



1  
00:00:09,110 --> 00:00:04,870  
ladies and gentlemen please welcome to

2  
00:00:15,110 --> 00:00:09,120  
the stage cnn space correspondent john

3  
00:00:19,189 --> 00:00:16,790  
good morning everyone and welcome to

4  
00:00:20,310 --> 00:00:19,199  
this a very very special occasion for

5  
00:00:21,990 --> 00:00:20,320  
those of you

6  
00:00:25,109 --> 00:00:22,000  
who are out there and you have not had

7  
00:00:27,349 --> 00:00:25,119  
the opportunity yet to get inside and uh

8  
00:00:29,589 --> 00:00:27,359  
and see atlantis it is it literally

9  
00:00:32,069 --> 00:00:29,599  
there's only one word to describe what

10  
00:00:35,510 --> 00:00:32,079  
they have done here uh with uh with this

11  
00:00:37,590 --> 00:00:35,520  
uh this museum is wow it is absolutely

12  
00:00:39,750 --> 00:00:37,600  
spectacular in fact you know a lot of

13  
00:00:41,670 --> 00:00:39,760

the the astronauts that i've talked to

14

00:00:44,790 --> 00:00:41,680

uh have said that

15

00:00:47,430 --> 00:00:44,800

the way atlantis is displayed it is in

16

00:00:50,069 --> 00:00:47,440

such a way that even they unless they

17

00:00:52,549 --> 00:00:50,079

were out on a spacewalk never really saw

18

00:00:55,670 --> 00:00:52,559

it like like it is displayed so it's

19

00:00:57,430 --> 00:00:55,680

going to be a a real real treat for you

20

00:01:00,389 --> 00:00:57,440

you know derived from the greek words

21

00:01:03,029 --> 00:01:00,399

meaning space sailor the term astronaut

22

00:01:05,270 --> 00:01:03,039

refers to that elite group who launched

23

00:01:08,710 --> 00:01:05,280

aboard nasa spacecraft bound for orbit

24

00:01:11,429 --> 00:01:08,720

and beyond it also refers to those

25

00:01:14,710 --> 00:01:11,439

selected to join the astronaut core

26  
00:01:16,789 --> 00:01:14,720  
who makes space sailing their profession

27  
00:01:20,510 --> 00:01:16,799  
to be an astronaut is something many of

28  
00:01:24,310 --> 00:01:20,520  
us only dream about in fact only

29  
00:01:27,990 --> 00:01:24,320  
540 astronauts visited space during

30  
00:01:30,469 --> 00:01:28,000  
nasa's 30-year space shuttle program

31  
00:01:32,550 --> 00:01:30,479  
we are honored to celebrate in person

32  
00:01:36,710 --> 00:01:32,560  
the male and female astronauts who

33  
00:01:39,270 --> 00:01:36,720  
represent all 33 missions of the space

34  
00:01:41,030 --> 00:01:39,280  
shuttle atlantis collectively all the

35  
00:01:44,550 --> 00:01:41,040  
astronauts with us today represent a

36  
00:01:46,789 --> 00:01:44,560  
total of 43 space flight missions

37  
00:01:48,550 --> 00:01:46,799  
spanning from germany 11 on september

38  
00:01:49,710 --> 00:01:48,560

1966

39

00:01:51,429 --> 00:01:49,720

to

40

00:01:54,389 --> 00:01:51,439

sts-135

41

00:01:56,310 --> 00:01:54,399

in july of 2011.

42

00:01:59,670 --> 00:01:56,320

let me take a few moments now to

43

00:02:15,510 --> 00:01:59,680

introduce you to the space sailors

44

00:02:18,949 --> 00:02:17,430

what an honor to have dick gordon with

45

00:02:22,470 --> 00:02:18,959

us dick served as pilot for the

46

00:02:25,070 --> 00:02:22,480

three-day gemini 11 mission in 1966

47

00:02:27,510 --> 00:02:25,080

during which he walked in space and in

48

00:02:30,150 --> 00:02:27,520

1969 he orbited the moon as command

49

00:02:32,869 --> 00:02:30,160

module pilot of apollo 12. inducted into

50

00:02:44,070 --> 00:02:32,879

the u.s astronaut hall of fame in 1993

51  
00:02:49,110 --> 00:02:46,630  
we are also honored to have bob crippen

52  
00:02:51,110 --> 00:02:49,120  
here bob piloted the first orbital

53  
00:02:54,670 --> 00:02:51,120  
flight of the space shuttle program

54  
00:02:58,470 --> 00:02:54,680  
sts-1 which was launched on april 12

55  
00:03:02,070 --> 00:02:58,480  
1981 aboard the shuttle columbia

56  
00:03:06,790 --> 00:03:02,080  
sts-1 was a 54 and a half hour mission

57  
00:03:11,190 --> 00:03:09,110  
u.s astronaut hall of famer dan

58  
00:03:13,830 --> 00:03:11,200  
brandenstein flew his first flight on

59  
00:03:16,309 --> 00:03:13,840  
august 30th 1983.

60  
00:03:18,949 --> 00:03:16,319  
sts-8 was not only dan's first flight

61  
00:03:25,270 --> 00:03:18,959  
but with space shuttle challengers first

62  
00:03:30,550 --> 00:03:27,910  
the 13th space shuttle flight

63  
00:03:32,789 --> 00:03:30,560

and the first to include two women is

64

00:03:34,470 --> 00:03:32,799

sts-41g

65

00:03:35,750 --> 00:03:34,480

joining commander bob crippen who's

66

00:03:37,910 --> 00:03:35,760

already on the stage and mission

67

00:03:43,830 --> 00:03:37,920

specialist dave listema who will join us

68

00:03:49,670 --> 00:03:46,070

representing the fifth and last shuttle

69

00:03:52,229 --> 00:03:49,680

mission of 1984 sts-51a

70

00:03:53,710 --> 00:03:52,239

please welcome mission specialist anna

71

00:03:56,070 --> 00:03:53,720

lee fisher

72

00:03:59,429 --> 00:03:56,080

sts-51a was a space shuttle discovery

73

00:04:01,429 --> 00:03:59,439

mission launched in november 8 1984 and

74

00:04:03,350 --> 00:04:01,439

mark the first time a shuttle deployed

75

00:04:05,429 --> 00:04:03,360

two communication satellites and

76

00:04:07,830 --> 00:04:05,439

retrieved from orbit to other

77

00:04:12,949 --> 00:04:07,840

communication satellites

78

00:04:15,270 --> 00:04:12,959

launched on october 3rd 1985 sts-51j

79

00:04:17,749 --> 00:04:15,280

was the first flight of the space

80

00:04:20,310 --> 00:04:17,759

shuttle atlantis

81

00:04:21,990 --> 00:04:20,320

representing sts 51j today is the

82

00:04:24,150 --> 00:04:22,000

commander of the mission veteran of

83

00:04:25,990 --> 00:04:24,160

three space shuttle flights u.s

84

00:04:33,110 --> 00:04:26,000

astronaut hall of famer

85

00:04:38,070 --> 00:04:36,790

please give a warm welcome to sts 61b

86

00:04:40,390 --> 00:04:38,080

commander

87

00:04:43,430 --> 00:04:40,400

veteran of three space shuttle missions

88

00:04:48,670 --> 00:04:43,440

and u.s astronaut hall of famer brewster

89

00:04:54,390 --> 00:04:52,550

sts-61b was launched november 26 1985

90

00:04:59,110 --> 00:04:54,400

and marks the quickest turnaround of a

91

00:05:01,909 --> 00:04:59,120

shuttle orbiter from launch to launch

92

00:05:03,670 --> 00:05:01,919

sts-27

93

00:05:05,230 --> 00:05:03,680

was a four-day mission launched on

94

00:05:08,550 --> 00:05:05,240

december 2

95

00:05:10,469 --> 00:05:08,560

1988 as a five-person crew

96

00:05:13,430 --> 00:05:10,479

three of whom are here today from

97

00:05:15,990 --> 00:05:13,440

atlantis mission sts 27 please put your

98

00:05:17,189 --> 00:05:16,000

hands together for pilot guy gardner and

99

00:05:19,430 --> 00:05:17,199

astronaut hall of fame mission

100

00:05:21,189 --> 00:05:19,440

specialist bill shepard mission

101

00:05:25,749 --> 00:05:21,199

specialist mike mullane will join us in

102

00:05:31,189 --> 00:05:29,189

launching on may 4th 1989 was atlantis

103

00:05:33,830 --> 00:05:31,199

mission sts-30

104

00:05:36,790 --> 00:05:33,840

which deployed the venus-bound magellan

105

00:05:41,830 --> 00:05:36,800

probe into orbit representing sts-30 as

106

00:05:45,670 --> 00:05:43,510

norm served as a mission specialist

107

00:05:48,310 --> 00:05:45,680

aboard four space shuttle missions and

108

00:05:51,029 --> 00:05:48,320

was the first american to occupy

109

00:05:54,310 --> 00:05:51,039

russia's mere space station

110

00:05:58,870 --> 00:05:54,320

from atlantis's fifth flight sts-34

111

00:06:04,150 --> 00:06:00,790

mission specialist ellen baker will join

112

00:06:07,909 --> 00:06:04,160

us shortly sts-34 launched on october 18

113

00:06:09,350 --> 00:06:07,919

1989 deploying the jupiter-bound galileo

114

00:06:11,350 --> 00:06:09,360

pro

115

00:06:14,150 --> 00:06:11,360

sts-36

116

00:06:16,230 --> 00:06:14,160

aboard atlantis was the fourth night

117

00:06:19,430 --> 00:06:16,240

launch of the shuttle program

118

00:06:21,990 --> 00:06:19,440

and occurred on february 28 1990

119

00:06:24,550 --> 00:06:22,000

carrying a classified payload for the

120

00:06:27,830 --> 00:06:24,560

united states department of defense from

121

00:06:32,790 --> 00:06:27,840

sts 36 please welcome mission specialist

122

00:06:37,590 --> 00:06:34,629

we have a few astronauts joining us

123

00:06:40,150 --> 00:06:37,600

today from the sts-41 mission which had

124

00:06:42,550 --> 00:06:40,160

the primary objective of launching the

125

00:06:45,670 --> 00:06:42,560

ulysses probe into space part of the

126  
00:06:47,670 --> 00:06:45,680  
international solar polar mission please

127  
00:06:49,589 --> 00:06:47,680  
welcome to the stage another u.s

128  
00:06:51,909 --> 00:06:49,599  
astronaut hall of famer and current

129  
00:06:54,309 --> 00:06:51,919  
director of the kennedy space center bob

130  
00:06:57,749 --> 00:06:54,319  
cabana joining bob mission specialist

131  
00:07:00,870 --> 00:06:57,759  
bill shepard and stage and bruce melnick

132  
00:07:07,670 --> 00:07:02,550  
he can run a space center but he doesn't

133  
00:07:13,510 --> 00:07:10,870  
representing sts 38 please give a warm

134  
00:07:15,589 --> 00:07:13,520  
welcome to astronaut hall of famer

135  
00:07:17,749 --> 00:07:15,599  
and commander dick covey astronaut hall

136  
00:07:20,790 --> 00:07:17,759  
of fame pilot frank culbertson and

137  
00:07:22,710 --> 00:07:20,800  
michelle mission specialist sam gamar

138  
00:07:25,510 --> 00:07:22,720

dick is a veteran of four space flights

139

00:07:28,629 --> 00:07:25,520

while frank and sam each flew on three

140

00:07:30,150 --> 00:07:28,639

space flights on sts 38 dick frank sam

141

00:07:33,350 --> 00:07:30,160

and their fellow crew members logged

142

00:07:35,430 --> 00:07:33,360

more than 2 million miles and 79

143

00:07:37,189 --> 00:07:35,440

revolutions in a four-day mission which

144

00:07:38,629 --> 00:07:37,199

carried a classified payload for the

145

00:07:41,670 --> 00:07:38,639

department of defense

146

00:07:47,710 --> 00:07:41,680

representing sts 35 please welcome

147

00:07:52,830 --> 00:07:50,150

sts-35 was a space shuttle challenger

148

00:07:55,990 --> 00:07:52,840

mission that launched on december 2nd

149

00:07:59,510 --> 00:07:56,000

1990 and was devoted to astronomical

150

00:08:02,150 --> 00:07:59,520

observations with astro one a space lab

151

00:08:05,749 --> 00:08:02,160

observatory consisting of four

152

00:08:11,550 --> 00:08:09,110

next please welcome sts-37 pilot ken

153

00:08:15,670 --> 00:08:13,909

sts-37 was a six-day mission with the

154

00:08:19,270 --> 00:08:15,680

primary objective of launching the

155

00:08:21,830 --> 00:08:19,280

compton gamma-ray observatory the second

156

00:08:23,510 --> 00:08:21,840

of the great observatories which include

157

00:08:26,629 --> 00:08:23,520

the visible spectrum hubble space

158

00:08:29,350 --> 00:08:26,639

telescope the chandra x-ray observatory

159

00:08:30,790 --> 00:08:29,360

and the infrared spitzer space telescope

160

00:08:34,190 --> 00:08:30,800

this mission also featured two

161

00:08:36,949 --> 00:08:34,200

spacewalks the first since 1985.

162

00:08:39,110 --> 00:08:36,959

sts-43 was the ninth mission of the

163

00:08:40,790 --> 00:08:39,120

space shuttle atlantis with the primary

164

00:08:42,630 --> 00:08:40,800

goal of launching the fourth tracking

165

00:08:45,350 --> 00:08:42,640

and data relay satellite here to

166

00:08:51,150 --> 00:08:45,360

represent sts-43 pilot of the mission

167

00:08:57,350 --> 00:08:55,350

sts-44 launched on november 24 1991 was

168

00:08:59,590 --> 00:08:57,360

a mission dedicated to the u.s

169

00:09:01,509 --> 00:08:59,600

department of defense here to represent

170

00:09:04,230 --> 00:09:01,519

this flight please give a warm welcome

171

00:09:10,550 --> 00:09:04,240

to mission specialist mario rounco

172

00:09:15,350 --> 00:09:13,110

from sts 45 please put your hands

173

00:09:17,509 --> 00:09:15,360

together for the current nasa

174

00:09:20,550 --> 00:09:17,519

administrator and astronaut hall of

175

00:09:23,030 --> 00:09:20,560

famer the honorable charlie bolden pilot

176  
00:09:25,590 --> 00:09:23,040  
brian duffy and mission specialist dave

177  
00:09:28,230 --> 00:09:25,600  
liesma brian is a veteran of four space

178  
00:09:30,230 --> 00:09:28,240  
flights david a veteran of three and

179  
00:09:43,590 --> 00:09:30,240  
you'll hear a lot more about charlie's

180  
00:09:49,269 --> 00:09:46,470  
from sts-46 the mission to deploy the

181  
00:09:51,509 --> 00:09:49,279  
european space agency's eureka the

182  
00:09:54,310 --> 00:09:51,519  
european retrievable carrier please

183  
00:09:56,550 --> 00:09:54,320  
welcome pilot andy allen

184  
00:09:58,949 --> 00:09:56,560  
veteran of three space flights

185  
00:10:00,630 --> 00:09:58,959  
mission specialist of sts 43 marsha

186  
00:10:02,150 --> 00:10:00,640  
ivins will join us

187  
00:10:03,630 --> 00:10:02,160  
shortly

188  
00:10:06,150 --> 00:10:03,640

representing

189

00:10:08,069 --> 00:10:06,160

sts-66 which was a 10-day mission

190

00:10:09,990 --> 00:10:08,079

continuing the series of space lab

191

00:10:11,910 --> 00:10:10,000

flights to study the energy of the sun

192

00:10:13,990 --> 00:10:11,920

and how it affects earth's climate and

193

00:10:15,990 --> 00:10:14,000

environment please welcome a veteran of

194

00:10:18,470 --> 00:10:16,000

six space flights u.s astronaut hall of

195

00:10:21,190 --> 00:10:18,480

famer kurt brown also joining kurt is

196

00:10:23,910 --> 00:10:21,200

elena choa veteran of four space flights

197

00:10:28,190 --> 00:10:23,920

and current director of the lyndon b

198

00:10:32,949 --> 00:10:30,710

sts-71 was the first mission to carry

199

00:10:35,350 --> 00:10:32,959

out a space shuttle docking with the mir

200

00:10:37,110 --> 00:10:35,360

space station joining mission specialist

201  
00:10:39,110 --> 00:10:37,120  
norm thaggart and charlie precor who

202  
00:10:44,829 --> 00:10:39,120  
will join the group shortly represent

203  
00:10:49,829 --> 00:10:47,829  
sts-74 was the second docking mission of

204  
00:10:51,190 --> 00:10:49,839  
a u.s space shuttle to the russian mir

205  
00:10:53,269 --> 00:10:51,200  
space station

206  
00:10:55,670 --> 00:10:53,279  
joining commander ken cameron already on

207  
00:10:58,470 --> 00:10:55,680  
stage put your hands together for jim

208  
00:11:01,870 --> 00:10:58,480  
halsell a veteran of five space flights

209  
00:11:07,430 --> 00:11:04,550  
sts-76 was a mission that traveled

210  
00:11:09,110 --> 00:11:07,440  
almost 4 million miles and the third

211  
00:11:11,750 --> 00:11:09,120  
successful mission to dock with the

212  
00:11:14,550 --> 00:11:11,760  
russian space station mir please welcome

213  
00:11:19,430 --> 00:11:14,560

mission specialist ron sega to the stage

214

00:11:21,590 --> 00:11:19,440

veteran of two space flights ron sega

215

00:11:29,910 --> 00:11:21,600

please welcome sts

216

00:11:34,230 --> 00:11:32,310

bill led his team on a successful

217

00:11:37,030 --> 00:11:34,240

mission docking with mir and delivering

218

00:11:38,389 --> 00:11:37,040

equipment supplies and relief personnel

219

00:11:42,949 --> 00:11:38,399

bill reading

220

00:11:44,870 --> 00:11:42,959

sts-81 launched on september 19 1996 was

221

00:11:47,350 --> 00:11:44,880

the second mission demir that involved

222

00:11:49,750 --> 00:11:47,360

an exchange of u.s astronauts joining

223

00:11:52,150 --> 00:11:49,760

commander mike baker already on stage

224

00:11:53,509 --> 00:11:52,160

please welcome mission specialist marcia

225

00:11:58,750 --> 00:11:53,519

ivins

226

00:12:03,350 --> 00:12:01,110

sts-84 was the sixth shuttle mirror

227

00:12:05,350 --> 00:12:03,360

docking mission part of the nasamir

228

00:12:08,389 --> 00:12:05,360

program the mission was highlighted with

229

00:12:10,389 --> 00:12:08,399

the transfer of four successful u.s crew

230

00:12:12,069 --> 00:12:10,399

members the russian space station

231

00:12:14,829 --> 00:12:12,079

with us tonight is astronaut hall of

232

00:12:18,509 --> 00:12:14,839

famer charlie precourt commander of

233

00:12:22,870 --> 00:12:21,350

sts-86 was the seventh near docking

234

00:12:24,710 --> 00:12:22,880

mission by the space shuttle the mission

235

00:12:27,990 --> 00:12:24,720

was highlighted with the exchange of

236

00:12:30,150 --> 00:12:28,000

crew members to continue phase 1b of the

237

00:12:31,590 --> 00:12:30,160

nasa mir program

238

00:12:33,030 --> 00:12:31,600

cooperative effort with permanent

239

00:12:35,910 --> 00:12:33,040

presence of a u.s astronaut in the

240

00:12:37,670 --> 00:12:35,920

russian space station from sts-86 please

241

00:12:42,829 --> 00:12:37,680

welcome mission specialist wendy

242

00:12:49,110 --> 00:12:46,870

sts-101 launched on may 9 2000 was a

243

00:12:51,430 --> 00:12:49,120

resupply mission to the international

244

00:12:55,269 --> 00:12:51,440

space station and was the first to fly

245

00:12:58,389 --> 00:12:55,279

with the glass cockpit pilot jim hausell

246

00:13:00,470 --> 00:12:58,399

already on stage represents sts-101

247

00:13:03,910 --> 00:13:00,480

his second mission on atlantis

248

00:13:05,269 --> 00:13:03,920

representing sts 106 is pilot scott

249

00:13:07,750 --> 00:13:05,279

altman

250

00:13:09,430 --> 00:13:07,760

four-time space flight veteran

251  
00:13:10,790 --> 00:13:09,440  
sts-106

252  
00:13:12,870 --> 00:13:10,800  
was an atlantis mission to the

253  
00:13:14,870 --> 00:13:12,880  
international space station with the

254  
00:13:17,350 --> 00:13:14,880  
goal of preparing the

255  
00:13:19,350 --> 00:13:17,360  
vesda service module the early living

256  
00:13:21,670 --> 00:13:19,360  
quarters for the station for the arrival

257  
00:13:23,990 --> 00:13:21,680  
of the first residence of expedition

258  
00:13:27,509 --> 00:13:24,000  
crew at the start of a permanent human

259  
00:13:30,470 --> 00:13:27,519  
presence on the new outpost sts 98

260  
00:13:32,949 --> 00:13:30,480  
launched february 7 2001

261  
00:13:34,470 --> 00:13:32,959  
and delivered the destiny laboratory

262  
00:13:37,269 --> 00:13:34,480  
module for the international space

263  
00:13:40,230 --> 00:13:37,279

station mission specialist marsha ivins

264

00:13:42,550 --> 00:13:40,240

already on stage also representing sts

265

00:13:45,430 --> 00:13:42,560

98

266

00:13:48,550 --> 00:13:45,440

three-time mission specialist j.r riley

267

00:13:53,030 --> 00:13:48,560

is here representing sts-104

268

00:13:54,710 --> 00:13:53,040

which launched july 12 2001. sts-104 was

269

00:13:57,269 --> 00:13:54,720

a mission to the international space

270

00:14:00,230 --> 00:13:57,279

station for the primary objective to

271

00:14:03,870 --> 00:14:00,240

install the quest joint airlock and

272

00:14:10,310 --> 00:14:07,509

sts-110 launched on april 8 2002 with

273

00:14:12,389 --> 00:14:10,320

the purpose to install the s0 truss

274

00:14:15,110 --> 00:14:12,399

segment which forms the backbone of the

275

00:14:17,110 --> 00:14:15,120

truss structure on the iss already on

276

00:14:19,590 --> 00:14:17,120

stage mission specialist flight and

277

00:14:21,110 --> 00:14:19,600

current lyndon johnson director ellen

278

00:14:22,150 --> 00:14:21,120

ochoa joining her to represent the

279

00:14:25,030 --> 00:14:22,160

mission

280

00:14:30,069 --> 00:14:27,350

representing sts-112

281

00:14:32,150 --> 00:14:30,079

a four and a half million mile mission

282

00:14:35,509 --> 00:14:32,160

that delivered the 28 000 pound

283

00:14:37,189 --> 00:14:35,519

starboard one truss segment to the iss

284

00:14:39,430 --> 00:14:37,199

our mission specialist dave wolf was

285

00:14:44,150 --> 00:14:39,440

already on stage and three-time atlantis

286

00:14:48,629 --> 00:14:46,069

another three-time atlantis veteran is

287

00:14:50,670 --> 00:14:48,639

sts-115 pilot chris ferguson who's going

288

00:14:53,670 --> 00:14:50,680

to join us shortly

289

00:14:56,470 --> 00:14:53,680  
sts-115 successfully delivered

290

00:15:00,230 --> 00:14:56,480  
the second portside truss segment a pair

291

00:15:04,310 --> 00:15:00,240  
of solar arrays and batteries to the iss

292

00:15:06,150 --> 00:15:04,320  
launching on july 8 2007 sts-117

293

00:15:07,990 --> 00:15:06,160  
delivered to the iss the second

294

00:15:10,150 --> 00:15:08,000  
starboard truss segment and its

295

00:15:12,230 --> 00:15:10,160  
associated energy systems joining

296

00:15:14,150 --> 00:15:12,240  
mission specialist j.r riley already on

297

00:15:18,870 --> 00:15:14,160  
stage please give a warm welcome flight

298

00:15:24,389 --> 00:15:22,069  
launching on february 7 2008 the primary

299

00:15:26,870 --> 00:15:24,399  
objective of sts-122

300

00:15:29,269 --> 00:15:26,880  
was to deliver the european columbus

301  
00:15:31,749 --> 00:15:29,279  
science laboratory built by the european

302  
00:15:35,670 --> 00:15:31,759  
space agency to the international space

303  
00:15:38,949 --> 00:15:35,680  
station slow down don't walk any faster

304  
00:15:40,870 --> 00:15:38,959  
here to represent sts 122 enjoy your

305  
00:15:42,710 --> 00:15:40,880  
bows

306  
00:15:49,189 --> 00:15:42,720  
he's the associate administrator for

307  
00:15:55,269 --> 00:15:52,230  
joining sts 125 commander scott altman

308  
00:15:57,829 --> 00:15:55,279  
who's already on stage our pilots ray j

309  
00:16:02,470 --> 00:15:57,839  
johnson and mission specialist mike good

310  
00:16:04,550 --> 00:16:02,480  
sts 125 launched on may 11 2009 was the

311  
00:16:10,829 --> 00:16:04,560  
fifth and final space shuttle servicing

312  
00:16:17,430 --> 00:16:14,470  
sts-129 was launched on november 16

313  
00:16:19,430 --> 00:16:17,440

2009 and focused on staging space

314

00:16:22,150 --> 00:16:19,440

components outside the international

315

00:16:24,949 --> 00:16:22,160

space station already on stage and here

316

00:16:26,710 --> 00:16:24,959

to represent sts-129 mission specialist

317

00:16:31,310 --> 00:16:26,720

and nasa associate administrator for

318

00:16:37,509 --> 00:16:35,430

sts-132 launched on may 14 2010 with a

319

00:16:39,829 --> 00:16:37,519

payload that included the russian

320

00:16:42,389 --> 00:16:39,839

rosvette mini research module along with

321

00:16:45,269 --> 00:16:42,399

an integrated cargo carrier vertical

322

00:16:46,069 --> 00:16:45,279

light deployment to the iss joining mike

323

00:16:47,749 --> 00:16:46,079

good

324

00:16:52,550 --> 00:16:47,759

represent the mission please put your

325

00:16:58,870 --> 00:16:56,389

on july 8 2011 sts-135

326

00:17:00,949 --> 00:16:58,880

aboard atlantis multi-purpose logistics

327

00:17:03,670 --> 00:17:00,959

model rafaello and the lightweight

328

00:17:05,590 --> 00:17:03,680

multi-purpose carrier to the iss with a

329

00:17:09,429 --> 00:17:05,600

successful landing at the kennedy space

330

00:17:11,429 --> 00:17:09,439

center on july 21st 2011 atlantis marked

331

00:17:13,829 --> 00:17:11,439

the final mission of america's space

332

00:17:22,150 --> 00:17:13,839

shuttle program already on

333

00:17:25,750 --> 00:17:24,069

we are here to celebrate not only the

334

00:17:28,230 --> 00:17:25,760

incredible new home for the space

335

00:17:30,390 --> 00:17:28,240

shuttle atlantis but to also recognize

336

00:17:32,630 --> 00:17:30,400

the thousands of men and women who have

337

00:17:35,510 --> 00:17:32,640

made nasa space shuttle program possible

338

00:17:37,590 --> 00:17:35,520

throughout the years a special thanks to

339

00:17:38,789 --> 00:17:37,600

all of you goes out to the workers of

340

00:17:40,630 --> 00:17:38,799

the entire

341

00:17:48,630 --> 00:17:40,640

space shuttle program throughout the

342

00:17:51,909 --> 00:17:50,230

so also give a round of applause to the

343

00:17:54,150 --> 00:17:51,919

support our space shuttle program has

344

00:17:56,470 --> 00:17:54,160

received from space florida and its

345

00:17:58,150 --> 00:17:56,480

president and ceo frank de bello and all

346

00:18:02,390 --> 00:17:58,160

the elected officials joining us today

347

00:18:06,630 --> 00:18:04,150

certainly without the support of all of

348

00:18:08,630 --> 00:18:06,640

you the space shuttle atlantis would not

349

00:18:10,390 --> 00:18:08,640

be here today

350

00:18:12,070 --> 00:18:10,400

ladies and gentlemen please put your

351  
00:18:23,190 --> 00:18:12,080  
hands together one more time for this

352  
00:18:27,190 --> 00:18:24,950  
to begin our program here to sing our

353  
00:19:07,750 --> 00:18:27,200  
national anthem please rise

354  
00:19:07,760 --> 00:19:22,549  
by the dancers

355  
00:19:22,559 --> 00:19:49,270  
who's

356  
00:19:49,280 --> 00:20:01,430  
in

357  
00:20:01,440 --> 00:20:13,029  
oh

358  
00:20:13,039 --> 00:20:23,029  
for the land

359  
00:20:23,039 --> 00:20:37,750  
right

360  
00:20:37,760 --> 00:23:31,110  
so

361  
00:23:36,950 --> 00:23:32,789  
i still remember the first space shuttle

362  
00:23:40,870 --> 00:23:36,960  
launch on april 12 1981 135 missions and

363  
00:23:42,310 --> 00:23:40,880

32 years later it is uh remarkable to

364

00:23:43,909 --> 00:23:42,320

think of all the times that i watched

365

00:23:46,230 --> 00:23:43,919

the launches and the landings here and

366

00:23:47,590 --> 00:23:46,240

to think of what a remarkable spacecraft

367

00:23:49,750 --> 00:23:47,600

it was but

368

00:23:51,909 --> 00:23:49,760

it's the people who of course made it

369

00:23:53,669 --> 00:23:51,919

made these vehicles remarkable people

370

00:23:56,390 --> 00:23:53,679

like terry white if you know terry of

371

00:23:58,870 --> 00:23:56,400

the famous white handlebar mustache

372

00:24:01,430 --> 00:23:58,880

i saw terry last night and he worked in

373

00:24:03,430 --> 00:24:01,440

the on the flow of the vehicles and you

374

00:24:05,110 --> 00:24:03,440

know reminded me of all the friendships

375

00:24:07,590 --> 00:24:05,120

i've established and the great stories

376

00:24:09,510 --> 00:24:07,600

over the years and i was talking briefly

377

00:24:11,750 --> 00:24:09,520

this morning with dick covey and

378

00:24:14,470 --> 00:24:11,760

reminded me of a story from

379

00:24:15,909 --> 00:24:14,480

back in the mid 80s or so

380

00:24:18,549 --> 00:24:15,919

right around the time of return to

381

00:24:20,070 --> 00:24:18,559

flight late 80s after after uh

382

00:24:23,190 --> 00:24:20,080

challenger and

383

00:24:25,510 --> 00:24:23,200

uh dick had autographed a uh uh signed a

384

00:24:26,230 --> 00:24:25,520

picture to my my young sons at the time

385

00:24:28,310 --> 00:24:26,240

and

386

00:24:30,230 --> 00:24:28,320

on the picture he wrote

387

00:24:31,909 --> 00:24:30,240

when you guys get older

388

00:24:34,390 --> 00:24:31,919

that's what he wrote in the picture your

389

00:24:39,590 --> 00:24:34,400

dad's going to say that he knew me

390

00:24:43,190 --> 00:24:41,430

true but you know that's the kind of

391

00:24:44,870 --> 00:24:43,200

wonderful people they were

392

00:24:46,950 --> 00:24:44,880

and are

393

00:24:49,909 --> 00:24:46,960

beginning with colombia continuing with

394

00:24:52,630 --> 00:24:49,919

challenger discovery atlantis endeavor

395

00:24:55,350 --> 00:24:52,640

the space shuttle was humanity's first

396

00:24:58,830 --> 00:24:55,360

reusable spacecraft

397

00:25:01,909 --> 00:24:58,840

never take for granted this overriding

398

00:25:05,350 --> 00:25:01,919

significance humanity's first

399

00:25:07,350 --> 00:25:05,360

reusable spacecraft

400

00:25:09,029 --> 00:25:07,360

each year over one and a half million

401  
00:25:11,669 --> 00:25:09,039  
people from all over the world visit the

402  
00:25:13,830 --> 00:25:11,679  
kennedy space center visitor complex to

403  
00:25:15,750 --> 00:25:13,840  
enjoy its many attractions and

404  
00:25:17,510 --> 00:25:15,760  
educational programs

405  
00:25:20,390 --> 00:25:17,520  
with the exciting new edition of space

406  
00:25:22,549 --> 00:25:20,400  
shuttle atlantis that number is sure to

407  
00:25:25,029 --> 00:25:22,559  
exponentially grow

408  
00:25:26,470 --> 00:25:25,039  
to help ensure nasa's success nasa is

409  
00:25:28,950 --> 00:25:26,480  
pleased to work with delaware north

410  
00:25:31,350 --> 00:25:28,960  
companies a global leader in hospitality

411  
00:25:34,070 --> 00:25:31,360  
and food services leading its team for

412  
00:25:36,149 --> 00:25:34,080  
this visitor complex is bill moore

413  
00:25:38,950 --> 00:25:36,159

in addition to his work here bill serves

414

00:25:41,110 --> 00:25:38,960

on several boards for various community

415

00:25:43,430 --> 00:25:41,120

organizations ladies and gentlemen

416

00:25:52,310 --> 00:25:43,440

please give a warm welcome to my friend

417

00:25:55,350 --> 00:25:53,830

morning everybody

418

00:25:57,590 --> 00:25:55,360

anybody have trouble finding us this

419

00:25:59,110 --> 00:25:57,600

morning he put this little icon in back

420

00:26:00,630 --> 00:25:59,120

of us so you could find your way from

421

00:26:03,029 --> 00:26:00,640

the front gate to here looks like it

422

00:26:04,070 --> 00:26:03,039

worked pretty good

423

00:26:05,269 --> 00:26:04,080

morning to all of you and thanks for

424

00:26:08,470 --> 00:26:05,279

coming out

425

00:26:10,230 --> 00:26:08,480

and to atlantis welcome home

426  
00:26:11,110 --> 00:26:10,240  
after serving the world for over 30

427  
00:26:12,789 --> 00:26:11,120  
years

428  
00:26:16,230 --> 00:26:12,799  
space shuttle has earned its place in

429  
00:26:18,310 --> 00:26:16,240  
history and has come to a final stop

430  
00:26:20,390 --> 00:26:18,320  
just a little less than two years ago

431  
00:26:22,710 --> 00:26:20,400  
commander chris ferguson sitting behind

432  
00:26:24,789 --> 00:26:22,720  
me today said these words

433  
00:26:26,190 --> 00:26:24,799  
after a successful touchdown of the last

434  
00:26:27,750 --> 00:26:26,200  
space shuttle flight

435  
00:26:29,430 --> 00:26:27,760  
sts-135

436  
00:26:31,909 --> 00:26:29,440  
and space shuttle atlantis

437  
00:26:34,950 --> 00:26:31,919  
today they're just as appropriate

438  
00:26:36,789 --> 00:26:34,960

as we celebrate atlantis final stop but

439

00:26:38,470 --> 00:26:36,799

not her final mission here at the

440

00:26:40,710 --> 00:26:38,480

kennedy space center

441

00:26:42,630 --> 00:26:40,720

we could not be more proud of having

442

00:26:44,390 --> 00:26:42,640

atlantis with us today

443

00:26:46,310 --> 00:26:44,400

and and really looking forward to

444

00:26:47,190 --> 00:26:46,320

unveiling it for all of you to come see

445

00:26:48,870 --> 00:26:47,200

her

446

00:26:51,669 --> 00:26:48,880

as you heard john say we had a little

447

00:26:53,110 --> 00:26:51,679

soiree last night and the restaurant

448

00:26:54,630 --> 00:26:53,120

families and those that worked on the

449

00:26:57,269 --> 00:26:54,640

shuttle and the astronauts and to see

450

00:26:59,110 --> 00:26:57,279

their faces when we showed them atlantis

451  
00:27:01,430 --> 00:26:59,120  
was a memory that will last with all of

452  
00:27:03,909 --> 00:27:01,440  
us for a lifetime

453  
00:27:07,669 --> 00:27:03,919  
we're going to show atlantis to you

454  
00:27:09,750 --> 00:27:07,679  
as way the astronauts saw her in space

455  
00:27:11,029 --> 00:27:09,760  
in her finest hours as she just left the

456  
00:27:13,669 --> 00:27:11,039  
space station

457  
00:27:15,830 --> 00:27:13,679  
just pulling back and ready to begin her

458  
00:27:17,909 --> 00:27:15,840  
journey home

459  
00:27:19,510 --> 00:27:17,919  
kennedy space center is the only place

460  
00:27:22,549 --> 00:27:19,520  
in the world you'll actually see a space

461  
00:27:24,789 --> 00:27:22,559  
shuttle tilted to one side it's payload

462  
00:27:26,149 --> 00:27:24,799  
bay doors open

463  
00:27:28,549 --> 00:27:26,159

by the way that sounds like a really

464

00:27:32,549 --> 00:27:28,559

simple thing to do works great in zero g

465

00:27:34,870 --> 00:27:32,559

gravity not quite the same here on earth

466

00:27:37,110 --> 00:27:34,880

today joining us in our celebration were

467

00:27:40,149 --> 00:27:37,120

our partners at nasa with which we could

468

00:27:42,149 --> 00:27:40,159

not have been where we're standing today

469

00:27:44,230 --> 00:27:42,159

many other contractors and companies and

470

00:27:45,510 --> 00:27:44,240

organizations really too numerous to

471

00:27:47,430 --> 00:27:45,520

mention

472

00:27:48,950 --> 00:27:47,440

we share in a proud moment with many of

473

00:27:51,830 --> 00:27:48,960

us here on the space coast who worked

474

00:27:55,830 --> 00:27:51,840

very hard to keep an orbiter here

475

00:27:58,389 --> 00:27:55,840

where orbiters have a home where all 135

476  
00:28:00,389 --> 00:27:58,399  
missions launch from right here at the

477  
00:28:02,549 --> 00:28:00,399  
kennedy space center

478  
00:28:04,470 --> 00:28:02,559  
and of course we share it with those

479  
00:28:06,230 --> 00:28:04,480  
men and women around the world but

480  
00:28:08,149 --> 00:28:06,240  
particularly here in this country who

481  
00:28:10,549 --> 00:28:08,159  
built the shuttles

482  
00:28:11,750 --> 00:28:10,559  
who processed them who flew them who

483  
00:28:13,990 --> 00:28:11,760  
brought them home

484  
00:28:16,310 --> 00:28:14,000  
and got them ready to fly again

485  
00:28:21,110 --> 00:28:16,320  
we ride on the shoulders of many today

486  
00:28:25,909 --> 00:28:23,350  
celebrating the efforts of exactly is

487  
00:28:28,389 --> 00:28:25,919  
what we want to do today celebrate the

488  
00:28:30,630 --> 00:28:28,399

vehicles celebrate the people

489

00:28:32,549 --> 00:28:30,640

pay tribute to those

490

00:28:35,029 --> 00:28:32,559

and to understand the space shuttle

491

00:28:36,549 --> 00:28:35,039

program the pride

492

00:28:38,950 --> 00:28:36,559

and you'll see when you get inside the

493

00:28:41,990 --> 00:28:38,960

patriotism for this country that

494

00:28:44,070 --> 00:28:42,000

atlantis represents

495

00:28:46,549 --> 00:28:44,080

just as the future of our space program

496

00:28:48,070 --> 00:28:46,559

rise on the shoulders of the shuttle and

497

00:28:48,870 --> 00:28:48,080

those who flew her and those who worked

498

00:28:51,750 --> 00:28:48,880

on her

499

00:28:53,510 --> 00:28:51,760

it's made possible by everyone here

500

00:28:54,870 --> 00:28:53,520

who shared a dream of manned space

501  
00:28:56,389 --> 00:28:54,880  
flight

502  
00:28:59,750 --> 00:28:56,399  
they worked tirelessly to make it a

503  
00:29:11,590 --> 00:28:59,760  
reality and we will fly men from the

504  
00:29:15,029 --> 00:29:13,990  
you know atlantis is an historic icon an

505  
00:29:17,430 --> 00:29:15,039  
artifact

506  
00:29:19,350 --> 00:29:17,440  
only three in the world are space flown

507  
00:29:20,230 --> 00:29:19,360  
and we have one here but we're going to

508  
00:29:22,149 --> 00:29:20,240  
put you in a little bit different

509  
00:29:23,669 --> 00:29:22,159  
position today when you go in you're

510  
00:29:25,029 --> 00:29:23,679  
going to see what it's like to be an

511  
00:29:26,950 --> 00:29:25,039  
astronaut

512  
00:29:28,710 --> 00:29:26,960  
you can land the shuttle i did it

513  
00:29:30,630 --> 00:29:28,720

yesterday i did the easy version not the

514

00:29:31,669 --> 00:29:30,640

hard one you can dock to the space

515

00:29:33,510 --> 00:29:31,679

station

516

00:29:34,470 --> 00:29:33,520

you can manipulate the shuttle's robotic

517

00:29:35,990 --> 00:29:34,480

arm

518

00:29:37,269 --> 00:29:36,000

and if you're really good you can take a

519

00:29:39,269 --> 00:29:37,279

space walk

520

00:29:40,950 --> 00:29:39,279

these are just a few of the many

521

00:29:43,350 --> 00:29:40,960

interactive activities we have for our

522

00:29:46,149 --> 00:29:43,360

guests to enjoy making this the world's

523

00:29:48,789 --> 00:29:46,159

most comprehensive most immersive most

524

00:29:50,870 --> 00:29:48,799

exciting attraction devoted to a space

525

00:29:52,389 --> 00:29:50,880

shuttle and keep in mind as you're

526  
00:29:54,310 --> 00:29:52,399  
walking through today

527  
00:29:55,909 --> 00:29:54,320  
it's not funded with a single dollar of

528  
00:29:58,870 --> 00:29:55,919  
taxpayer money

529  
00:30:00,789 --> 00:29:58,880  
well except for the orbiter of course

530  
00:30:03,590 --> 00:30:00,799  
when atlantis landed for the final time

531  
00:30:05,269 --> 00:30:03,600  
on july 21st 2011

532  
00:30:06,630 --> 00:30:05,279  
it was said that its voyage had come to

533  
00:30:07,590 --> 00:30:06,640  
an end

534  
00:30:09,269 --> 00:30:07,600  
but we like to think a little

535  
00:30:10,950 --> 00:30:09,279  
differently here

536  
00:30:11,750 --> 00:30:10,960  
the atlantis voyage has not come to an

537  
00:30:13,669 --> 00:30:11,760  
end

538  
00:30:14,710 --> 00:30:13,679

atlantis its new mission is just

539

00:30:16,549 --> 00:30:14,720

beginning

540

00:30:18,070 --> 00:30:16,559

and that is to educate

541

00:30:19,750 --> 00:30:18,080

to inspire

542

00:30:21,909 --> 00:30:19,760

a whole new generation of the space

543

00:30:24,070 --> 00:30:21,919

explorers but someone in the audience

544

00:30:26,070 --> 00:30:24,080

today maybe eight or nine years old

545

00:30:28,389 --> 00:30:26,080

would be that individual that goes

546

00:30:30,710 --> 00:30:28,399

beyond low earth orbit goes way out into

547

00:30:31,830 --> 00:30:30,720

space maybe to a planet maybe to an

548

00:30:33,830 --> 00:30:31,840

asteroid

549

00:30:36,950 --> 00:30:33,840

we want them to think about that today

550

00:30:38,789 --> 00:30:36,960

as they see this magnificent vehicle

551  
00:30:40,070 --> 00:30:38,799  
so forgive me commander ferguson but i'm

552  
00:30:41,430 --> 00:30:40,080  
going to steal another line from you if

553  
00:30:43,430 --> 00:30:41,440  
i can

554  
00:30:45,669 --> 00:30:43,440  
last july when chris brought atlanta's

555  
00:30:47,190 --> 00:30:45,679  
home for the last time he said the space

556  
00:30:48,230 --> 00:30:47,200  
shuttle has changed the way we view the

557  
00:30:49,990 --> 00:30:48,240  
world

558  
00:30:51,510 --> 00:30:50,000  
and it's changed the way we view the

559  
00:30:52,950 --> 00:30:51,520  
universe

560  
00:30:54,710 --> 00:30:52,960  
we here at the kennedy space center and

561  
00:30:56,870 --> 00:30:54,720  
the visitor complex know that our

562  
00:30:59,350 --> 00:30:56,880  
universe will be changed forever

563  
00:31:00,630 --> 00:30:59,360

because of colombia

564

00:31:01,909 --> 00:31:00,640

challenger

565

00:31:03,590 --> 00:31:01,919

discovery

566

00:31:13,350 --> 00:31:03,600

endeavor

567

00:31:18,389 --> 00:31:15,669

thank you bill also joining us today is

568

00:31:21,110 --> 00:31:18,399

rick abramson who for eight years served

569

00:31:22,710 --> 00:31:21,120

as president and chief operating officer

570

00:31:26,230 --> 00:31:22,720

of the kennedy space center visitor

571

00:31:28,870 --> 00:31:26,240

complex in 2002 rick joined the ranks of

572

00:31:31,350 --> 00:31:28,880

some of the most respected members of

573

00:31:34,149 --> 00:31:31,360

the space program when he earned the dr

574

00:31:36,389 --> 00:31:34,159

kurt h dibus award from the national

575

00:31:38,950 --> 00:31:36,399

space club florida

576

00:31:41,990 --> 00:31:38,960

for his role in educating and inspiring

577

00:31:43,909 --> 00:31:42,000

the visitor complex's millions of guests

578

00:31:46,149 --> 00:31:43,919

rick also received nasa's highest

579

00:31:49,590 --> 00:31:46,159

achievement award for non-government

580

00:31:51,669 --> 00:31:49,600

employees the nasa public service medal

581

00:31:54,070 --> 00:31:51,679

please give a warm welcome to president

582

00:31:55,830 --> 00:31:54,080

of delaware north parks and resorts and

583

00:32:06,230 --> 00:31:55,840

executive chairman of delaware north

584

00:32:10,710 --> 00:32:09,190

well good morning and uh welcome

585

00:32:12,789 --> 00:32:10,720

there's a lot of firsts today you'll be

586

00:32:14,950 --> 00:32:12,799

the first to be in a crowd of these

587

00:32:17,029 --> 00:32:14,960

historic heroes behind me and you're

588

00:32:18,149 --> 00:32:17,039

first of the public to come inside to

589

00:32:20,630 --> 00:32:18,159

see this

590

00:32:22,310 --> 00:32:20,640

i only make one

591

00:32:24,870 --> 00:32:22,320

ask of you

592

00:32:28,230 --> 00:32:24,880

if you like it tell someone to tell

593

00:32:31,509 --> 00:32:28,240

someone to tell someone how great nasa

594

00:32:36,630 --> 00:32:31,519

atlantis and the space program is

595

00:32:41,750 --> 00:32:39,269

we have this distinct privilege of of

596

00:32:43,990 --> 00:32:41,760

having this gathering of astronauts here

597

00:32:45,830 --> 00:32:44,000

today which is all well and good

598

00:32:49,190 --> 00:32:45,840

but to be able to tell their story and

599

00:32:51,909 --> 00:32:49,200

take it the next step is up to you

600

00:32:54,470 --> 00:32:51,919

when we began this mission of with nasa

601  
00:32:58,149 --> 00:32:54,480  
of creating this moving tribute to tell

602  
00:33:00,950 --> 00:32:58,159  
the story of the space shuttle program

603  
00:33:02,549 --> 00:33:00,960  
we knew it had to be special

604  
00:33:05,990 --> 00:33:02,559  
we knew we had to tell the story of

605  
00:33:08,789 --> 00:33:06,000  
atlantis and the story of the astronauts

606  
00:33:11,110 --> 00:33:08,799  
the astronauts who flew her in a way in

607  
00:33:12,470 --> 00:33:11,120  
a special way that we could pay tribute

608  
00:33:16,310 --> 00:33:12,480  
to every

609  
00:33:20,149 --> 00:33:18,389  
spatial atlantis those men and women who

610  
00:33:23,269 --> 00:33:20,159  
flew hurt and the thousands of people

611  
00:33:32,389 --> 00:33:23,279  
who work to make the missions possible

612  
00:33:37,509 --> 00:33:34,389  
and i can tell you after experience the

613  
00:33:39,909 --> 00:33:37,519

attraction myself i know the visitors

614

00:33:42,870 --> 00:33:39,919

after they see it will be left and awed

615

00:33:45,269 --> 00:33:42,880

and moved beyond anything

616

00:33:46,789 --> 00:33:45,279

they might ever expect

617

00:33:48,070 --> 00:33:46,799

let me take a minute to thank a few

618

00:33:50,070 --> 00:33:48,080

people that helped bring the space

619

00:33:52,630 --> 00:33:50,080

shuttle atlantis and all you see at the

620

00:33:54,789 --> 00:33:52,640

visitor complex to life

621

00:33:55,990 --> 00:33:54,799

of course one of the commanders of

622

00:34:01,350 --> 00:33:56,000

atlantis

623

00:34:05,509 --> 00:34:03,750

our boss and the director of

624

00:34:10,790 --> 00:34:05,519

the kennedy space center

625

00:34:10,800 --> 00:34:17,030

and cheryl hurst with nasa

626

00:34:21,109 --> 00:34:18,629

thank each and every one of you and

627

00:34:22,869 --> 00:34:21,119

everybody who stood behind you and with

628

00:34:24,710 --> 00:34:22,879

you and helped you

629

00:34:26,069 --> 00:34:24,720

and everybody at nasa for your vision

630

00:34:29,270 --> 00:34:26,079

your partnership

631

00:34:31,750 --> 00:34:29,280

to bring this whole project to reality

632

00:34:37,829 --> 00:34:31,760

i really hope we made you proud

633

00:34:42,069 --> 00:34:39,829

i will tell you

634

00:34:43,349 --> 00:34:42,079

i got a great job i got a great boss i

635

00:34:44,790 --> 00:34:43,359

got a great job and i have a great

636

00:34:46,710 --> 00:34:44,800

fortune of working for one of the most

637

00:34:48,389 --> 00:34:46,720

admired companies one of the coolest

638

00:34:50,550 --> 00:34:48,399

companies in the world

639

00:34:53,270 --> 00:34:50,560

delaware north delaware north is nearly

640

00:34:55,909 --> 00:34:53,280

100 years old still owned by the we're

641

00:34:59,270 --> 00:34:55,919

only a second generation ceo still owned

642

00:35:01,430 --> 00:34:59,280

by the jacobs family since the beginning

643

00:35:02,470 --> 00:35:01,440

the jacobs family and the family morals

644

00:35:13,190 --> 00:35:02,480

and

645

00:35:15,349 --> 00:35:13,200

belief in everything we do here

646

00:35:16,550 --> 00:35:15,359

i'd really like to thank my boss

647

00:35:18,550 --> 00:35:16,560

chuck moran

648

00:35:21,670 --> 00:35:18,560

delaware north's president for it's his

649

00:35:23,270 --> 00:35:21,680

leadership and forward thinking attitude

650

00:35:24,470 --> 00:35:23,280

that has brought us to where we are

651  
00:35:25,990 --> 00:35:24,480  
today

652  
00:35:28,550 --> 00:35:26,000  
i also want to thank the entire

653  
00:35:30,630 --> 00:35:28,560  
executive team at buffalo for continuing

654  
00:35:33,109 --> 00:35:30,640  
supporting the mission and the vision of

655  
00:35:39,030 --> 00:35:33,119  
the visitor complex

656  
00:35:42,310 --> 00:35:41,510  
i'd be remiss without thanking probably

657  
00:35:44,310 --> 00:35:42,320  
the

658  
00:35:46,710 --> 00:35:44,320  
key person for me here and a big thank

659  
00:35:48,550 --> 00:35:46,720  
you to bill moore and his team and

660  
00:35:51,190 --> 00:35:48,560  
hundreds of associates out there you'll

661  
00:35:57,349 --> 00:35:51,200  
see today you'll see in here for what

662  
00:36:02,790 --> 00:35:58,950  
our people are very dedicated to tell

663  
00:36:04,230 --> 00:36:02,800

the nasa's story past present and future

664

00:36:05,829 --> 00:36:04,240

but there are hundreds of individuals

665

00:36:07,510 --> 00:36:05,839

and companies who played a role for this

666

00:36:10,550 --> 00:36:07,520

new hundred million dollar space shuttle

667

00:36:12,630 --> 00:36:10,560

atlantis and you will see

668

00:36:14,630 --> 00:36:12,640

by on anyone's belief

669

00:36:15,910 --> 00:36:14,640

this is once

670

00:36:17,589 --> 00:36:15,920

in a lifetime you'll be able to have

671

00:36:21,910 --> 00:36:17,599

this experience and see this not unless

672

00:36:26,069 --> 00:36:23,829

atlantis is greatly going to enhance the

673

00:36:27,990 --> 00:36:26,079

kennedy space center visitor complex

674

00:36:29,910 --> 00:36:28,000

it's going to enhance the landscape of

675

00:36:31,990 --> 00:36:29,920

florida for tourism it's going to

676

00:36:34,790 --> 00:36:32,000

enhance the united states i uh i was at

677

00:36:37,349 --> 00:36:34,800

a tourism conference uh about two weeks

678

00:36:39,190 --> 00:36:37,359

ago and talking with people from brazil

679

00:36:41,349 --> 00:36:39,200

talking with people from china talking

680

00:36:43,349 --> 00:36:41,359

with people from japan talking about the

681

00:36:44,630 --> 00:36:43,359

shuttle program the international space

682

00:36:46,470 --> 00:36:44,640

station and what we're going to have on

683

00:36:48,150 --> 00:36:46,480

display people are going to be coming to

684

00:36:50,390 --> 00:36:48,160

the united states

685

00:36:52,230 --> 00:36:50,400

spending money here good for our economy

686

00:36:55,270 --> 00:36:52,240

good for florida good for the space

687

00:36:57,430 --> 00:36:55,280

coast and be able to see this must-see

688

00:36:59,109 --> 00:36:57,440

destination

689

00:37:01,349 --> 00:36:59,119

i hope you'll see it today i hope you

690

00:37:03,190 --> 00:37:01,359

enjoy it and love it as much as i do and

691

00:37:04,069 --> 00:37:03,200

i just want to ask you one thing if you

692

00:37:06,470 --> 00:37:04,079

do

693

00:37:08,550 --> 00:37:06,480

tell someone to tell someone to tell

694

00:37:10,550 --> 00:37:08,560

someone to tell someone to come to the

695

00:37:19,750 --> 00:37:10,560

space coast and the kennedy base kennedy

696

00:37:22,870 --> 00:37:21,349

thanks rick i just want to pick up on

697

00:37:23,910 --> 00:37:22,880

something that he had said and i think

698

00:37:27,750 --> 00:37:23,920

that uh

699

00:37:29,750 --> 00:37:27,760

there are a lot of young people here and

700

00:37:33,270 --> 00:37:29,760

in the future who will come through

701

00:37:36,310 --> 00:37:33,280

these doors and under this giant uh

702

00:37:39,430 --> 00:37:36,320

external tank and solid rocket boosters

703

00:37:40,870 --> 00:37:39,440

and it is inspirational and it may be

704

00:37:42,550 --> 00:37:40,880

that little girl right over there who's

705

00:37:43,430 --> 00:37:42,560

yawning on her dad's shoulders in the

706

00:37:46,710 --> 00:37:43,440

pink

707

00:37:48,390 --> 00:37:46,720

uh it may be someone else in this crowd

708

00:37:49,910 --> 00:37:48,400

and these young people will sit there

709

00:37:51,589 --> 00:37:49,920

and they'll look at this and they're

710

00:37:53,190 --> 00:37:51,599

going to say you know what

711

00:37:55,750 --> 00:37:53,200

i can do better

712

00:37:57,430 --> 00:37:55,760

and that's what everybody here wants

713

00:38:03,750 --> 00:37:57,440

that next generation is going to be

714

00:38:07,190 --> 00:38:05,750

without atlantis and her fellow space

715

00:38:09,510 --> 00:38:07,200

shuttles we would not have an

716

00:38:12,230 --> 00:38:09,520

international space station the most

717

00:38:14,550 --> 00:38:12,240

complex structure ever built in space in

718

00:38:15,990 --> 00:38:14,560

the centerpiece of today's human space

719

00:38:20,230 --> 00:38:16,000

flight activities

720

00:38:23,589 --> 00:38:20,240

in low earth orbit since expedition 1 in

721

00:38:26,430 --> 00:38:23,599

2000 the space station has continuous

722

00:38:28,069 --> 00:38:26,440

human occupation and has been visited by

723

00:38:32,790 --> 00:38:28,079

204

724

00:38:36,630 --> 00:38:34,230

among those currently living on the

725

00:38:40,150 --> 00:38:36,640

international space station are dr karen

726

00:38:43,750 --> 00:38:40,160

nyberg the 50th woman in space and

727

00:38:45,670 --> 00:38:43,760

christopher cassidy the 500th person to

728

00:38:47,829 --> 00:38:45,680

fly in space

729

00:38:53,349 --> 00:38:47,839

just downloaded from the space station

730

00:38:57,349 --> 00:38:54,950

hello friends at the kennedy space

731

00:38:59,030 --> 00:38:57,359

center visitor complex i'm karen nyberg

732

00:39:01,670 --> 00:38:59,040

and this is chris cassidy of expedition

733

00:39:03,670 --> 00:39:01,680

36 we are thrilled to be a part of this

734

00:39:05,510 --> 00:39:03,680

momentous celebration

735

00:39:07,750 --> 00:39:05,520

atlantis holds a place near and dear to

736

00:39:11,990 --> 00:39:07,760

my heart and this exhibit embodies her

737

00:39:15,670 --> 00:39:13,829

without the space shuttle program and

738

00:39:17,910 --> 00:39:15,680

the dedicated professionals who made it

739

00:39:18,950 --> 00:39:17,920

possible we literally would not be here

740

00:39:20,870 --> 00:39:18,960

today

741

00:39:23,190 --> 00:39:20,880

in fact atlantis delivered this very

742

00:39:25,349 --> 00:39:23,200

module we're speaking to you from

743

00:39:27,990 --> 00:39:25,359

piece by piece this space station was

744

00:39:30,870 --> 00:39:28,000

assembled 220 miles above the earth at

745

00:39:33,109 --> 00:39:30,880

over 17 500 miles an hour

746

00:39:35,190 --> 00:39:33,119

atlantis was critical in both assembly

747

00:39:37,430 --> 00:39:35,200

and resupply during her 12 missions to

748

00:39:39,910 --> 00:39:37,440

our orbiting outposts station is now a

749

00:39:41,589 --> 00:39:39,920

convergence of science technology and

750

00:39:43,910 --> 00:39:41,599

human innovation that is helping us

751  
00:39:46,470 --> 00:39:43,920  
learn what it means to be a space-faring

752  
00:39:48,630 --> 00:39:46,480  
people by demonstrating new technologies

753  
00:39:51,670 --> 00:39:48,640  
and making research breakthroughs not

754  
00:39:55,990 --> 00:39:53,589  
thank you for allowing us to be a small

755  
00:40:04,790 --> 00:39:56,000  
part of today's celebration welcome home

756  
00:40:08,870 --> 00:40:06,230  
you didn't catch that right she said

757  
00:40:11,109 --> 00:40:08,880  
expedition 36

758  
00:40:12,710 --> 00:40:11,119  
it's kind of hard to believe expedition

759  
00:40:13,670 --> 00:40:12,720  
36.

760  
00:40:17,190 --> 00:40:13,680  
so

761  
00:40:20,390 --> 00:40:17,200  
that let that sink in for a minute

762  
00:40:22,470 --> 00:40:20,400  
since its creation in october first 1958

763  
00:40:25,190 --> 00:40:22,480

nasa has enjoyed a rich history of

764

00:40:27,430 --> 00:40:25,200

unique scientific and technological

765

00:40:29,750 --> 00:40:27,440

achievements in human space flight

766

00:40:32,230 --> 00:40:29,760

aeronautics space science and space

767

00:40:35,109 --> 00:40:32,240

applications contributing to that

768

00:40:37,990 --> 00:40:35,119

history in front of and behind the

769

00:40:39,990 --> 00:40:38,000

scenes is a long list of men and women

770

00:40:41,910 --> 00:40:40,000

among them the elite group of astronauts

771

00:40:44,550 --> 00:40:41,920

with us today

772

00:40:46,150 --> 00:40:44,560

one of whom bob cabana who was on that

773

00:40:48,470 --> 00:40:46,160

first assembly mission to the

774

00:40:51,109 --> 00:40:48,480

international space station a veteran of

775

00:40:54,630 --> 00:40:51,119

four space flights bob logged 38 days in

776

00:40:58,870 --> 00:40:54,640

space serving as the pilot of sts 41 sts

777

00:41:00,950 --> 00:40:58,880

53 and mission commander on sts 65 and

778

00:41:03,190 --> 00:41:00,960

sts-88

779

00:41:05,030 --> 00:41:03,200

he's received numerous personal awards

780

00:41:07,270 --> 00:41:05,040

and decorations distinguished flying

781

00:41:09,829 --> 00:41:07,280

cross presidential distinguished rank

782

00:41:11,829 --> 00:41:09,839

award national space club florida and he

783

00:41:14,470 --> 00:41:11,839

told me to abbreviate so et cetera et

784

00:41:16,630 --> 00:41:14,480

cetera et cetera et cetera

785

00:41:19,109 --> 00:41:16,640

currently serving as the 10th director

786

00:41:21,430 --> 00:41:19,119

of nasa's john f kennedy space center

787

00:41:27,270 --> 00:41:21,440

please give a very warm welcome to bob

788

00:41:32,069 --> 00:41:29,670

thanks john

789

00:41:34,470 --> 00:41:32,079

hey if you think that's impressive just

790

00:41:37,109 --> 00:41:34,480

wait till you get inside it is really

791

00:41:37,910 --> 00:41:37,119

special what a special weekend this has

792

00:41:40,069 --> 00:41:37,920

been

793

00:41:41,270 --> 00:41:40,079

i i am so proud and

794

00:41:42,950 --> 00:41:41,280

privileged

795

00:41:44,790 --> 00:41:42,960

to be part of this amazing team it's

796

00:41:47,109 --> 00:41:44,800

been so good to see so many friends and

797

00:41:49,109 --> 00:41:47,119

share so many stories

798

00:41:51,430 --> 00:41:49,119

this is truly an amazing team it was an

799

00:41:55,109 --> 00:41:51,440

amazing contractor civil service nasa

800

00:41:57,109 --> 00:41:55,119

team that did so many momentous things

801  
00:41:58,550 --> 00:41:57,119  
with the space shuttle over its 30-year

802  
00:42:01,030 --> 00:41:58,560  
history

803  
00:42:05,030 --> 00:42:01,040  
it was a great partnership between nasa

804  
00:42:06,870 --> 00:42:05,040  
delaware north pgav uh pinwall to put

805  
00:42:09,910 --> 00:42:06,880  
this exhibit together and i couldn't be

806  
00:42:12,790 --> 00:42:09,920  
more proud of the display of atlantis it

807  
00:42:14,309 --> 00:42:12,800  
truly is special and uh believe me from

808  
00:42:16,630 --> 00:42:14,319  
all of us that had the privilege to fly

809  
00:42:18,630 --> 00:42:16,640  
in space we think they did it right and

810  
00:42:20,390 --> 00:42:18,640  
i know that you will too

811  
00:42:22,630 --> 00:42:20,400  
when i was a small boy we took a trip to

812  
00:42:24,630 --> 00:42:22,640  
washington dc and i remember going to

813  
00:42:26,550 --> 00:42:24,640

the smithsonian and seeing the the right

814

00:42:28,870 --> 00:42:26,560

flyer in the spirit of st louis hanging

815

00:42:32,230 --> 00:42:28,880

from the ceiling and that instilled in

816

00:42:35,030 --> 00:42:32,240

me a a goal a desire a dream a passion

817

00:42:36,710 --> 00:42:35,040

to fly and uh i was fortunate enough to

818

00:42:38,550 --> 00:42:36,720

fulfill that dream

819

00:42:40,069 --> 00:42:38,560

and one thing led to another i never

820

00:42:41,349 --> 00:42:40,079

dreamed i'd be an astronaut let alone

821

00:42:44,870 --> 00:42:41,359

back here as the director of the kennedy

822

00:42:47,990 --> 00:42:44,880

space center but it it it initiated that

823

00:42:50,550 --> 00:42:48,000

spark it got me going and it's my hope

824

00:42:52,950 --> 00:42:50,560

that some young boy or girl uh is going

825

00:42:54,710 --> 00:42:52,960

to see atlantis in there

826

00:42:56,550 --> 00:42:54,720

during one of their visits and it's

827

00:42:59,430 --> 00:42:56,560

going to put that spark in them that

828

00:43:02,069 --> 00:42:59,440

spark to say i want to fly i want to be

829

00:43:03,670 --> 00:43:02,079

an astronaut i want to explore and

830

00:43:05,270 --> 00:43:03,680

that's what nasa is going to do we're

831

00:43:07,270 --> 00:43:05,280

going to move on we're going to go

832

00:43:08,870 --> 00:43:07,280

exploring we are going to leave planet

833

00:43:10,950 --> 00:43:08,880

earth we're going to go to asteroids the

834

00:43:13,589 --> 00:43:10,960

moon mars and beyond because that's what

835

00:43:15,349 --> 00:43:13,599

we do and right now over in the o and c

836

00:43:18,470 --> 00:43:15,359

building in the high bay over there

837

00:43:20,550 --> 00:43:18,480

we'll building america's next spacecraft

838

00:43:22,230 --> 00:43:20,560

to take astronauts beyond planet earth

839

00:43:24,710 --> 00:43:22,240

and it's flying on a test flight next

840

00:43:27,349 --> 00:43:24,720

year and in 2017 it's going to fly on a

841

00:43:29,190 --> 00:43:27,359

really big rocket and in 2021 we're

842

00:43:31,109 --> 00:43:29,200

going to have crews on board we're

843

00:43:32,870 --> 00:43:31,119

enabling a commercial crew program

844

00:43:35,109 --> 00:43:32,880

that's going to take our astronauts to

845

00:43:36,790 --> 00:43:35,119

our international space station

846

00:43:38,550 --> 00:43:36,800

we are doing great things and we're

847

00:43:40,470 --> 00:43:38,560

going to continue to do great things

848

00:43:42,710 --> 00:43:40,480

because of this amazing team so thank

849

00:43:45,190 --> 00:43:42,720

you for your support please enjoy this

850

00:43:54,470 --> 00:43:45,200

exhibit today it truly is special thank

851

00:44:00,309 --> 00:43:56,710

last night was great the same thing

852

00:44:04,309 --> 00:44:02,470

a man who needs no introduction so he

853

00:44:05,430 --> 00:44:04,319

won't give him one

854

00:44:06,870 --> 00:44:05,440

so

855

00:44:11,670 --> 00:44:06,880

charlie bolden

856

00:44:15,910 --> 00:44:14,309

john thanks very much bob just asked how

857

00:44:17,270 --> 00:44:15,920

come you do what he says and you didn't

858

00:44:19,589 --> 00:44:17,280

do what i said

859

00:44:21,750 --> 00:44:19,599

um i said to bob it's because i'm the

860

00:44:23,829 --> 00:44:21,760

administrator and in nasa nobody ever

861

00:44:25,190 --> 00:44:23,839

listens to me at least john zarrella

862

00:44:27,270 --> 00:44:25,200

does so

863

00:44:28,069 --> 00:44:27,280

thank you john thank you

864

00:44:30,309 --> 00:44:28,079

um

865

00:44:32,069 --> 00:44:30,319

i want to thank the kennedy space center

866

00:44:40,150 --> 00:44:32,079

workforce first of all

867

00:44:45,750 --> 00:44:42,950

i don't um we we're bringing atlanta's

868

00:44:48,309 --> 00:44:45,760

home today publicly uh and i don't know

869

00:44:52,230 --> 00:44:48,319

how many people were around as we got to

870

00:44:54,470 --> 00:44:52,240

this day but you know you have special

871

00:44:56,309 --> 00:44:54,480

people many of whom are standing out

872

00:44:58,710 --> 00:44:56,319

here in this audience you know you have

873

00:45:00,790 --> 00:44:58,720

special people when they know that every

874

00:45:03,829 --> 00:45:00,800

every evolution they do

875

00:45:05,829 --> 00:45:03,839

puts them one day closer to not working

876

00:45:08,950 --> 00:45:05,839

anymore

877

00:45:10,550 --> 00:45:08,960

and yet they work every single day

878

00:45:12,309 --> 00:45:10,560

tirelessly

879

00:45:14,230 --> 00:45:12,319

because they believe in the future and

880

00:45:17,030 --> 00:45:14,240

so when i say i want to thank the

881

00:45:19,589 --> 00:45:17,040

kennedy space center workforce

882

00:45:22,150 --> 00:45:19,599

people of the space coast

883

00:45:24,870 --> 00:45:22,160

today and into the future i really mean

884

00:45:27,109 --> 00:45:24,880

that you all are incredibly special

885

00:45:36,150 --> 00:45:27,119

people in this nation owes you a super

886

00:45:40,390 --> 00:45:38,630

you know it's um it may seem strange to

887

00:45:42,630 --> 00:45:40,400

you that i'm talking to a vehicle when i

888

00:45:44,550 --> 00:45:42,640

say welcome home atlantis but for

889

00:45:46,550 --> 00:45:44,560

everybody sitting on the stage or most

890

00:45:48,630 --> 00:45:46,560

of us sitting on the stage

891

00:45:50,230 --> 00:45:48,640

you know that it's not like a vehicle

892

00:45:52,470 --> 00:45:50,240

it's like a person

893

00:45:54,950 --> 00:45:52,480

uh i think everybody can think back to

894

00:45:56,710 --> 00:45:54,960

when you came down here for tc dt

895

00:45:58,630 --> 00:45:56,720

the terminal countdown demonstration

896

00:46:00,870 --> 00:45:58,640

test and you know you go out to the pad

897

00:46:03,349 --> 00:46:00,880

and it's a vehicle it's not doing

898

00:46:04,790 --> 00:46:03,359

anything it's just there and you get in

899

00:46:06,230 --> 00:46:04,800

it you go through a mock launch and

900

00:46:08,950 --> 00:46:06,240

everything seems okay and then you come

901  
00:46:10,870 --> 00:46:08,960  
back two weeks later and it is really

902  
00:46:20,150 --> 00:46:10,880  
really different

903  
00:46:24,950 --> 00:46:22,470  
and you thought you were okay

904  
00:46:27,670 --> 00:46:24,960  
until this thing starts talking to you

905  
00:46:30,230 --> 00:46:27,680  
so when i say welcome home atlantis i

906  
00:46:32,230 --> 00:46:30,240  
mean welcome home atlantis because for

907  
00:46:34,550 --> 00:46:32,240  
most of us on this stage it has been a

908  
00:46:36,550 --> 00:46:34,560  
dear friend it has taken us to places

909  
00:46:38,870 --> 00:46:36,560  
that we never dreamed and brought us

910  
00:46:40,710 --> 00:46:38,880  
safely home and so it's very special

911  
00:46:42,950 --> 00:46:40,720  
it's not far from here atlantis where

912  
00:46:45,829 --> 00:46:42,960  
you launched so many times

913  
00:46:47,910 --> 00:46:45,839

there's no better way to launch nasa

914

00:46:49,990 --> 00:46:47,920

into our new era of human space flight

915

00:46:51,589 --> 00:46:50,000

than to take a moment to salute the men

916

00:46:53,750 --> 00:46:51,599

and women and the flying machines that

917

00:46:55,750 --> 00:46:53,760

have helped our nation lead the world in

918

00:46:57,589 --> 00:46:55,760

space exploration

919

00:47:00,230 --> 00:46:57,599

it's great to see so many former

920

00:47:02,550 --> 00:47:00,240

astronauts here and i know people say

921

00:47:04,150 --> 00:47:02,560

but there's no such thing as a former

922

00:47:05,109 --> 00:47:04,160

yeah we're former

923

00:47:06,790 --> 00:47:05,119

um

924

00:47:09,190 --> 00:47:06,800

and we understand that

925

00:47:11,750 --> 00:47:09,200

uh especially good to see my friend from

926  
00:47:13,910 --> 00:47:11,760  
from jiminy and apollo

927  
00:47:15,349 --> 00:47:13,920  
who shall remain nameless and who

928  
00:47:16,870 --> 00:47:15,359  
promised that if i didn't call his name

929  
00:47:22,710 --> 00:47:16,880  
he wouldn't say anything bad about me

930  
00:47:22,720 --> 00:47:26,150  
you come on

931  
00:47:31,270 --> 00:47:28,150  
you and the men and women here at the

932  
00:47:33,670 --> 00:47:31,280  
kennedy space center and throughout nasa

933  
00:47:35,270 --> 00:47:33,680  
who supported you who are true american

934  
00:47:38,309 --> 00:47:35,280  
heroes

935  
00:47:40,710 --> 00:47:38,319  
i was proud to serve with all of you i

936  
00:47:41,670 --> 00:47:40,720  
was proud to fly some of with some of

937  
00:47:43,670 --> 00:47:41,680  
you

938  
00:47:46,710 --> 00:47:43,680

and i stand here today as a lifetime

939

00:47:48,309 --> 00:47:46,720

member of nasa's astronaut core family

940

00:47:50,150 --> 00:47:48,319

i want you to know that everything we're

941

00:47:52,870 --> 00:47:50,160

planning for the future from sending

942

00:47:54,390 --> 00:47:52,880

humans to an asteroid to sending humans

943

00:47:55,829 --> 00:47:54,400

to mars

944

00:47:58,069 --> 00:47:55,839

is only possible because of the

945

00:48:01,030 --> 00:47:58,079

breakthroughs in the groundwork that all

946

00:48:03,030 --> 00:48:01,040

of you laid over the 30-year absolutely

947

00:48:04,470 --> 00:48:03,040

incredible history of the shuttle

948

00:48:06,470 --> 00:48:04,480

program

949

00:48:08,470 --> 00:48:06,480

and the more than 50 years

950

00:48:10,950 --> 00:48:08,480

of human space flight

951  
00:48:13,109 --> 00:48:10,960  
your accomplishments are amazing

952  
00:48:14,230 --> 00:48:13,119  
their history upon which great nations

953  
00:48:15,670 --> 00:48:14,240  
are built

954  
00:48:17,270 --> 00:48:15,680  
and believe me

955  
00:48:18,309 --> 00:48:17,280  
we're going to continue in your

956  
00:48:20,069 --> 00:48:18,319  
tradition

957  
00:48:21,750 --> 00:48:20,079  
to break new barriers and reach new

958  
00:48:23,349 --> 00:48:21,760  
frontiers

959  
00:48:25,670 --> 00:48:23,359  
our newest group of eight astronaut

960  
00:48:27,910 --> 00:48:25,680  
candidates four men and four women who

961  
00:48:30,390 --> 00:48:27,920  
were introduced to the world last week

962  
00:48:32,950 --> 00:48:30,400  
stand on all of your shoulders

963  
00:48:35,030 --> 00:48:32,960

just as when i got the call in 1980 that

964

00:48:36,630 --> 00:48:35,040

i was going to join the nasa

965

00:48:38,950 --> 00:48:36,640

astronaut corps

966

00:48:41,990 --> 00:48:38,960

they're full of hope possibility and

967

00:48:44,230 --> 00:48:42,000

pride for the chance to be a part of our

968

00:48:45,829 --> 00:48:44,240

nation's great legacy to space

969

00:48:47,589 --> 00:48:45,839

exploration

970

00:48:51,190 --> 00:48:47,599

space shuttle atlantis

971

00:48:53,510 --> 00:48:51,200

is a critical part of that nasa history

972

00:48:55,270 --> 00:48:53,520

the fourth of our space shuttle

973

00:48:57,190 --> 00:48:55,280

rated space shuttles

974

00:48:58,870 --> 00:48:57,200

atlantis was delivered to kennedy in

975

00:49:00,870 --> 00:48:58,880

1985

976  
00:49:03,990 --> 00:49:00,880  
and immediately became a workhorse of

977  
00:49:04,950 --> 00:49:04,000  
the fleet she has 33 missions under her

978  
00:49:07,349 --> 00:49:04,960  
belt

979  
00:49:09,270 --> 00:49:07,359  
including nasa's final shuttle mission

980  
00:49:12,390 --> 00:49:09,280  
that rolled to its final stop here at

981  
00:49:14,870 --> 00:49:12,400  
the kennedy space center on july 21st

982  
00:49:16,710 --> 00:49:14,880  
2011.

983  
00:49:19,349 --> 00:49:16,720  
i will never forget the thrill of

984  
00:49:21,910 --> 00:49:19,359  
commanding sts 45 and flying with my

985  
00:49:25,030 --> 00:49:21,920  
shuttle atlantis crewmates brian duffy

986  
00:49:27,510 --> 00:49:25,040  
kathy sullivan dave liesma c michael

987  
00:49:29,109 --> 00:49:27,520  
foale baron lichtenberg and kirk from

988  
00:49:30,950 --> 00:49:29,119

out

989

00:49:32,950 --> 00:49:30,960

like all shuttle crews

990

00:49:34,630 --> 00:49:32,960

we work together as a team

991

00:49:35,829 --> 00:49:34,640

on some of the cutting edge science of

992

00:49:37,670 --> 00:49:35,839

our day

993

00:49:39,990 --> 00:49:37,680

we help scientists on the ground

994

00:49:41,670 --> 00:49:40,000

understand what we were undergoing in

995

00:49:43,349 --> 00:49:41,680

space

996

00:49:45,190 --> 00:49:43,359

and we

997

00:49:47,589 --> 00:49:45,200

were confident that our work would

998

00:49:48,710 --> 00:49:47,599

advance our nation and improve life on

999

00:49:50,549 --> 00:49:48,720

earth

1000

00:49:52,230 --> 00:49:50,559

while atlantis has flown her last

1001  
00:49:53,750 --> 00:49:52,240  
mission to space

1002  
00:49:55,829 --> 00:49:53,760  
she lives on

1003  
00:49:57,589 --> 00:49:55,839  
to fulfill a new and important mission

1004  
00:49:59,430 --> 00:49:57,599  
right here on earth

1005  
00:50:02,630 --> 00:49:59,440  
she'll inspire a new generation of

1006  
00:50:05,430 --> 00:50:02,640  
explorers who one day may join us on

1007  
00:50:08,470 --> 00:50:05,440  
missions to mars and other destinations

1008  
00:50:10,630 --> 00:50:08,480  
not far from here the orion crew capsule

1009  
00:50:12,870 --> 00:50:10,640  
that will carry them on these missions

1010  
00:50:15,190 --> 00:50:12,880  
is in preparation for its next its first

1011  
00:50:18,549 --> 00:50:15,200  
test flight next year

1012  
00:50:20,870 --> 00:50:18,559  
on a launch pad also not far from here

1013  
00:50:23,030 --> 00:50:20,880

industry partners are launching cargo to

1014

00:50:25,430 --> 00:50:23,040

the international space station and will

1015

00:50:27,190 --> 00:50:25,440

once again soon launch astronauts from

1016

00:50:29,109 --> 00:50:27,200

american soil

1017

00:50:31,349 --> 00:50:29,119

i want to congratulate the team here at

1018

00:50:33,430 --> 00:50:31,359

the kennedy visitors complex

1019

00:50:36,630 --> 00:50:33,440

for creating the most comprehensive

1020

00:50:39,430 --> 00:50:36,640

interactive and exciting tribute to the

1021

00:50:42,069 --> 00:50:39,440

30-year phenomenal shuttle program

1022

00:50:44,630 --> 00:50:42,079

this exhibit is powerful reminder of

1023

00:50:47,990 --> 00:50:44,640

nasa's unmatched accomplishments

1024

00:50:51,349 --> 00:50:48,000

during more than 50 years of exploration

1025

00:50:53,990 --> 00:50:51,359

and the great future that lies ahead

1026  
00:50:56,710 --> 00:50:54,000  
with her payload bay doors wide open

1027  
00:50:59,750 --> 00:50:56,720  
atlantis is literally reaching out with

1028  
00:51:01,750 --> 00:50:59,760  
open arms to welcome all visitors

1029  
00:51:02,710 --> 00:51:01,760  
create our unprecedented achievements in

1030  
00:51:05,670 --> 00:51:02,720  
space

1031  
00:51:08,790 --> 00:51:05,680  
and inspire a new generation

1032  
00:51:20,069 --> 00:51:08,800  
and now bill rick bob come on up and

1033  
00:51:20,079 --> 00:51:24,230  
this is really scary

1034  
00:51:30,150 --> 00:51:25,990  
you skipped the part but that's okay

1035  
00:51:33,829 --> 00:51:32,150  
that's why he has a pilot he said you

1036  
00:51:38,630 --> 00:51:33,839  
didn't skip any parts up there did you

1037  
00:51:42,150 --> 00:51:39,990  
we're going to do the countdown now

1038  
00:51:46,790 --> 00:51:42,160

gentlemen i think you are ready and the

1039

00:51:48,069 --> 00:51:46,800

final go at t minus 10 and counting ten

1040

00:51:49,030 --> 00:51:48,079

nine

1041

00:51:50,950 --> 00:51:49,040

eight

1042

00:51:51,990 --> 00:51:50,960

seven six

1043

00:51:52,950 --> 00:51:52,000

five

1044

00:51:53,990 --> 00:51:52,960

four

1045

00:51:54,950 --> 00:51:54,000

three

1046

00:52:39,190 --> 00:51:54,960

two

1047

00:52:41,910 --> 00:52:40,630

charlie can you come up here and do that

1048

00:52:44,230 --> 00:52:41,920

breathing thing again and how the

1049

00:52:45,829 --> 00:52:44,240

vehicle breathes you know if it talks to

1050

00:52:49,430 --> 00:52:45,839

you there is therapy for that i

1051  
00:52:53,190 --> 00:52:51,190  
the time has almost come now to

1052  
00:52:55,510 --> 00:52:53,200  
experience a space shuttle atlantis in a

1053  
00:52:59,270 --> 00:52:55,520  
few moments ladies and gentlemen the

1054  
00:53:01,109 --> 00:52:59,280  
doors will officially open uh before we

1055  
00:53:02,549 --> 00:53:01,119  
let you all go i just want to say thank

1056  
00:53:05,270 --> 00:53:02,559  
you to a couple of friends of mine tim

1057  
00:53:08,950 --> 00:53:05,280  
macy and andrea farmer who for years

1058  
00:53:10,950 --> 00:53:08,960  
have made my job very very easy

1059  
00:53:12,710 --> 00:53:10,960  
thank you all for joining us it was my

1060  
00:53:16,230 --> 00:53:12,720  
pleasure to be here and i hope to see

1061  
00:53:18,630 --> 00:53:16,240  
you here again and again and again

1062  
00:53:19,750 --> 00:53:18,640  
because one time will not be enough