

NASA Astronaut Class Introduction



NASA
Astronaut
Class
Introduction



1
00:00:07,200 --> 00:00:10,950
this week at nasa

2
00:00:10,960 --> 00:00:17,189
i'm standing by for the contact poppy

3
00:00:22,070 --> 00:00:19,750
and docking confirmed nasa astronaut dan

4
00:00:24,790 --> 00:00:22,080
burbank and russian cosmonauts anton

5
00:00:26,710 --> 00:00:24,800
shkaplerov and anatoly ivanishin are

6
00:00:29,109 --> 00:00:26,720
settling into their new accommodations

7
00:00:31,109 --> 00:00:29,119
aboard the international space station

8
00:00:33,990 --> 00:00:31,119
their soyuz spacecraft docked with the

9
00:00:35,830 --> 00:00:34,000
orbiting laboratory about 48 hours after

10
00:00:37,990 --> 00:00:35,840
its launch from the baikonur cosmodrome

11
00:00:40,709 --> 00:00:38,000
in kazakhstan joining them with their

12
00:00:43,190 --> 00:00:40,719
fellow expedition 29 members commander

13
00:00:45,750 --> 00:00:43,200

mike fossum and flight engineers satoshi

14

00:00:47,910 --> 00:00:45,760

furukawa and sergey valka

15

00:00:51,029 --> 00:00:47,920

those three iss residents are scheduled

16

00:00:52,709 --> 00:00:51,039

to return to earth on november 21st

17

00:00:55,750 --> 00:00:52,719

scheduled to launch to the station

18

00:00:59,270 --> 00:00:55,760

december 21st as expedition 30 flight

19

00:01:01,750 --> 00:00:59,280

engineers are nasa astronaut don pettit

20

00:01:04,310 --> 00:01:01,760

russian cosmonaut oleg kononenko and

21

00:01:07,109 --> 00:01:04,320

european space agency astronaut andre

22

00:01:10,070 --> 00:01:08,390

gentlemen

23

00:01:12,870 --> 00:01:10,080

heroes or not

24

00:01:14,789 --> 00:01:12,880

your acts were heroic and today we add

25

00:01:17,270 --> 00:01:14,799

you to the many honors with two-year

26
00:01:19,830 --> 00:01:17,280
many honors with respect and gratitude

27
00:01:22,230 --> 00:01:19,840
the congressional gold medal

28
00:01:24,310 --> 00:01:22,240
the gold medal congress's highest

29
00:01:25,830 --> 00:01:24,320
expression of national appreciation for

30
00:01:28,550 --> 00:01:25,840
distinguished achievements and

31
00:01:30,710 --> 00:01:28,560
contributions was presented to four

32
00:01:31,910 --> 00:01:30,720
storied nasa astronauts

33
00:01:33,510 --> 00:01:31,920
john glenn

34
00:01:36,469 --> 00:01:33,520
neil armstrong

35
00:01:38,390 --> 00:01:36,479
michael collins and buzz aldrin

36
00:01:40,469 --> 00:01:38,400
the capitol hill awards ceremony was

37
00:01:42,550 --> 00:01:40,479
hosted by house and senate leaders of

38
00:01:43,350 --> 00:01:42,560

both parties thank you all very very

39

00:01:45,109 --> 00:01:43,360

much

40

00:01:47,350 --> 00:01:45,119

we must consider ourselves among the

41

00:01:49,350 --> 00:01:47,360

most fortunate of all generations for we

42

00:01:51,910 --> 00:01:49,360

have lived at a time

43

00:01:53,830 --> 00:01:51,920

when the dream became a reality

44

00:01:56,230 --> 00:01:53,840

when we finally could travel above the

45

00:01:58,310 --> 00:01:56,240

atmosphere around the earth

46

00:01:59,670 --> 00:01:58,320

where we could establish laboratories in

47

00:02:01,990 --> 00:01:59,680

space

48

00:02:05,350 --> 00:02:02,000

and do research

49

00:02:08,710 --> 00:02:05,360

and for the very first time in history

50

00:02:10,869 --> 00:02:08,720

leave human footprints on some place

51
00:02:13,830 --> 00:02:10,879
other than earth

52
00:02:16,710 --> 00:02:13,840
as neil and buzz and mike made their

53
00:02:19,910 --> 00:02:18,309
the message they left on the lunar

54
00:02:21,990 --> 00:02:19,920
surface

55
00:02:24,309 --> 00:02:22,000
could be said of all our manned space

56
00:02:28,470 --> 00:02:24,319
travels

57
00:02:30,309 --> 00:02:28,480
we came in peace for all mankind glenn

58
00:02:32,390 --> 00:02:30,319
was the first american to orbit the

59
00:02:36,630 --> 00:02:32,400
earth achieving the feat on board

60
00:02:39,589 --> 00:02:36,640
friendship seven on february 20th 1962.

61
00:02:41,830 --> 00:02:39,599
on july 20th 1969

62
00:02:43,990 --> 00:02:41,840
armstrong and aldrin became the first

63
00:02:46,309 --> 00:02:44,000

humans to set foot on the moon

64

00:02:49,589 --> 00:02:46,319

while collins piloted apollo 11's

65

00:02:51,270 --> 00:02:49,599

command module congressional gold medals

66

00:02:53,030 --> 00:02:51,280

have been presented

67

00:02:57,589 --> 00:02:53,040

nine times

68

00:02:59,430 --> 00:02:57,599

for aviation and rocketry achievements

69

00:03:01,430 --> 00:02:59,440

today

70

00:03:03,670 --> 00:03:01,440

for the first time

71

00:03:05,990 --> 00:03:03,680

they have been given

72

00:03:08,869 --> 00:03:06,000

for achievements in space flight

73

00:03:10,149 --> 00:03:08,879

the apollo 11 crew is

74

00:03:12,869 --> 00:03:10,159

honored

75

00:03:14,309 --> 00:03:12,879

to receive the congressional gold medal

76

00:03:15,670 --> 00:03:14,319

and accept

77

00:03:19,430 --> 00:03:15,680

on behalf

78

00:03:21,750 --> 00:03:19,440

of our fellow apollo teammates

79

00:03:23,350 --> 00:03:21,760

all those who played a role in expanding

80

00:03:25,589 --> 00:03:23,360

the human presence

81

00:03:28,070 --> 00:03:25,599

outward from earth

82

00:03:29,910 --> 00:03:28,080

and all those who played a role

83

00:03:31,670 --> 00:03:29,920

in expanding human knowledge of the

84

00:03:33,270 --> 00:03:31,680

solar system

85

00:03:35,350 --> 00:03:33,280

and beyond

86

00:03:41,910 --> 00:03:35,360

we thank the congress

87

00:03:46,149 --> 00:03:43,910

these are exciting times here at nasa

88

00:03:48,149 --> 00:03:46,159

and this is an especially exciting day

89

00:03:50,470 --> 00:03:48,159

administrator and former astronaut

90

00:03:52,869 --> 00:03:50,480

charlie bolden helped roll out nasa's

91

00:03:55,670 --> 00:03:52,879

new online application process for its

92

00:03:57,750 --> 00:03:55,680

next class of astronauts the class of

93

00:03:59,990 --> 00:03:57,760

2013 will be chosen from among

94

00:04:01,990 --> 00:04:00,000

candidates who for the first time will

95

00:04:03,350 --> 00:04:02,000

apply for the exciting opportunity

96

00:04:04,949 --> 00:04:03,360

through the federal government's

97

00:04:07,429 --> 00:04:04,959

usajobs.gov

98

00:04:09,509 --> 00:04:07,439

website you will be able to read about

99

00:04:11,990 --> 00:04:09,519

the nasa mission learn a little bit

100

00:04:14,229 --> 00:04:12,000

about what it means to be an astronaut

101
00:04:16,150 --> 00:04:14,239
and what the qualifications for the

102
00:04:18,150 --> 00:04:16,160
position are

103
00:04:20,629 --> 00:04:18,160
flight crew operations director janet

104
00:04:23,430 --> 00:04:20,639
cavandi and five members of the recently

105
00:04:25,350 --> 00:04:23,440
graduated 2009 astronaut class

106
00:04:27,510 --> 00:04:25,360
participated in the announcement you

107
00:04:29,510 --> 00:04:27,520
know we're excited because the bringing

108
00:04:30,950 --> 00:04:29,520
on a new nasa class means a couple of

109
00:04:32,310 --> 00:04:30,960
things we've got more people to work

110
00:04:34,150 --> 00:04:32,320
with us to travel to and from the

111
00:04:36,150 --> 00:04:34,160
international space station we've got

112
00:04:38,790 --> 00:04:36,160
new commercial vehicles coming online

113
00:04:41,110 --> 00:04:38,800

the class of 2009 was the first to

114

00:04:43,189 --> 00:04:41,120

graduate astronauts who fly in nasa's

115

00:04:44,870 --> 00:04:43,199

new era of space flight aboard

116

00:04:47,590 --> 00:04:44,880

commercial craft to the international

117

00:04:49,990 --> 00:04:47,600

space station and nasa spacecraft on

118

00:04:52,310 --> 00:04:50,000

missions of exploration beyond low earth

119

00:04:54,230 --> 00:04:52,320

orbit

120

00:04:56,950 --> 00:04:54,240

we're excited about europa because it

121

00:04:59,510 --> 00:04:56,960

represents a place that's somehow alien

122

00:05:00,710 --> 00:04:59,520

and yet strangely familiar and may be a

123

00:05:02,870 --> 00:05:00,720

place where

124

00:05:05,670 --> 00:05:02,880

there's existence of life in the solar

125

00:05:08,550 --> 00:05:05,680

system today data from a previous nasa

126
00:05:10,629 --> 00:05:08,560
planetary mission galileo have provided

127
00:05:13,350 --> 00:05:10,639
scientists evidence of what appears to

128
00:05:16,629 --> 00:05:13,360
be a body of liquid water just beneath

129
00:05:18,950 --> 00:05:16,639
the icy surface of jupiter's moon europa

130
00:05:21,830 --> 00:05:18,960
the data suggests that not only is the

131
00:05:23,670 --> 00:05:21,840
volume of this european subsurface ocean

132
00:05:26,150 --> 00:05:23,680
similar to that of the north american

133
00:05:28,469 --> 00:05:26,160
great lakes but also that there is

134
00:05:31,189 --> 00:05:28,479
significant exchange between the moon's

135
00:05:33,110 --> 00:05:31,199
icy shell and the ocean beneath you

136
00:05:36,469 --> 00:05:33,120
could view europa as something like a

137
00:05:37,909 --> 00:05:36,479
great big battery it's stored energy and

138
00:05:39,990 --> 00:05:37,919

the question has been whether or not

139

00:05:42,390 --> 00:05:40,000

that stored energy is actually available

140

00:05:45,110 --> 00:05:42,400

for life on europa launched by space

141

00:05:47,749 --> 00:05:45,120

shuttle atlantis in 1989 to the most

142

00:05:50,310 --> 00:05:47,759

massive planet in our solar system

143

00:05:52,390 --> 00:05:50,320

nasa's galileo spacecraft has produced

144

00:05:54,870 --> 00:05:52,400

numerous discoveries about jupiter

145

00:05:58,309 --> 00:05:54,880

and provided scientists decades worth of

146

00:06:03,830 --> 00:06:01,029

a space launch system industry day gave

147

00:06:06,469 --> 00:06:03,840

potential sls suppliers a look into the

148

00:06:08,950 --> 00:06:06,479

technological capabilities at host

149

00:06:10,469 --> 00:06:08,960

michoud assembly facility the event

150

00:06:12,550 --> 00:06:10,479

featured a tour of the main

151
00:06:14,870 --> 00:06:12,560
manufacturing building at maf that

152
00:06:17,029 --> 00:06:14,880
includes among other key capabilities

153
00:06:20,870 --> 00:06:17,039
friction stir welding high-speed

154
00:06:23,590 --> 00:06:20,880
machining and composite fiber processes

155
00:06:25,510 --> 00:06:23,600
facility executives provided insight as

156
00:06:28,230 --> 00:06:25,520
to how michoud and its commercial

157
00:06:30,230 --> 00:06:28,240
suppliers can help in the coordination

158
00:06:32,469 --> 00:06:30,240
and building of the sls

159
00:06:36,469 --> 00:06:32,479
nasa's next rocket system to take

160
00:06:38,710 --> 00:06:36,479
astronauts beyond low earth orbit

161
00:06:40,950 --> 00:06:38,720
the directors of seven nasa centers

162
00:06:43,189 --> 00:06:40,960
visited several centers including here

163
00:06:45,909 --> 00:06:43,199

at marshall to talk about their shared

164

00:06:47,830 --> 00:06:45,919

vision for the agency's future and take

165

00:06:49,909 --> 00:06:47,840

questions from the workforce

166

00:06:52,150 --> 00:06:49,919

all stressed the importance of nasa's

167

00:06:53,670 --> 00:06:52,160

partnerships and the need for further

168

00:06:56,309 --> 00:06:53,680

joint efforts to strengthen

169

00:06:57,589 --> 00:06:56,319

relationships inside and outside the

170

00:06:59,589 --> 00:06:57,599

agency

171

00:07:01,589 --> 00:06:59,599

among the other centers visited was the

172

00:07:03,670 --> 00:07:01,599

glenn research center where the group

173

00:07:05,670 --> 00:07:03,680

again touted the importance of working

174

00:07:08,629 --> 00:07:05,680

together to accomplish the nation's

175

00:07:11,430 --> 00:07:08,639

goals for science engineering and space

176

00:07:16,469 --> 00:07:13,350

the kennedy space center hosted the

177

00:07:19,350 --> 00:07:16,479

latest launch forum aimed at identifying

178

00:07:21,189 --> 00:07:19,360

showcasing and supporting new approaches

179

00:07:23,110 --> 00:07:21,199

to sustainability

180

00:07:25,430 --> 00:07:23,120

this three-day event provided 10

181

00:07:27,350 --> 00:07:25,440

international participants with a stage

182

00:07:30,150 --> 00:07:27,360

to highlight their innovations for

183

00:07:31,749 --> 00:07:30,160

addressing energy challenges on earth

184

00:07:34,150 --> 00:07:31,759

and in space

185

00:07:37,670 --> 00:07:34,160

launch is an ongoing initiative whose

186

00:07:39,990 --> 00:07:37,680

founding partners are nasa usaid nike

187

00:07:40,950 --> 00:07:40,000

incorporated and the u.s department of

188

00:07:43,350 --> 00:07:40,960

state

189

00:07:46,950 --> 00:07:43,360

launch energy was the third forum in the

190

00:07:51,029 --> 00:07:48,950

johnson space center's contractors

191

00:07:53,029 --> 00:07:51,039

environmental partnership hosted its

192

00:07:55,189 --> 00:07:53,039

fifth electronic waste recycling and

193

00:07:58,390 --> 00:07:55,199

document shredding event to celebrate

194

00:08:00,950 --> 00:07:58,400

texas recycles day in 2011.

195

00:08:02,550 --> 00:08:00,960

jsc's electronic collection events are a

196

00:08:04,150 --> 00:08:02,560

community service and part of a

197

00:08:06,550 --> 00:08:04,160

comprehensive effort to increase

198

00:08:08,790 --> 00:08:06,560

sustainability in and around nasa there

199

00:08:10,070 --> 00:08:08,800

are no limits set on the number of items

200

00:08:12,469 --> 00:08:10,080

people can bring

201
00:08:14,790 --> 00:08:12,479
acceptable items include both working

202
00:08:17,670 --> 00:08:14,800
and non-working personal computers

203
00:08:21,110 --> 00:08:17,680
monitors printers scanners digital

204
00:08:22,950 --> 00:08:21,120
cameras portable music devices core vcrcs

205
00:08:25,110 --> 00:08:22,960
and cell phones we're actually offering

206
00:08:27,110 --> 00:08:25,120
an additional service this time you can

207
00:08:30,550 --> 00:08:27,120
bring your personal documents in to be

208
00:08:33,110 --> 00:08:30,560
recycled and shredded as well

209
00:08:34,870 --> 00:08:33,120
nasa's wallops flight facility honored

210
00:08:37,110 --> 00:08:34,880
the national disability employment

211
00:08:39,350 --> 00:08:37,120
awareness month by inviting 15 high

212
00:08:41,110 --> 00:08:39,360
school students and educators to tour

213
00:08:43,589 --> 00:08:41,120

the facility and learn about potential

214

00:08:46,310 --> 00:08:43,599

career opportunities most of them are in

215

00:08:48,389 --> 00:08:46,320

a career technology program uh

216

00:08:50,710 --> 00:08:48,399

based out of wicomico county

217

00:08:53,110 --> 00:08:50,720

and we bring them to wallops to try to

218

00:08:55,910 --> 00:08:53,120

do a little career awareness with them

219

00:08:57,750 --> 00:08:55,920

and give them that experience the

220

00:08:59,590 --> 00:08:57,760

students participated in tours of

221

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

technical areas including the balloon

222

00:09:03,829 --> 00:09:01,519

lab range control center and mission

223

00:09:05,590 --> 00:09:03,839

planning lab in each case presenters

224

00:09:07,670 --> 00:09:05,600

talked about the potential careers in

225

00:09:10,070 --> 00:09:07,680

that area this is so and it's so cool

226

00:09:11,990 --> 00:09:10,080

and so interesting and i think it's so

227

00:09:13,829 --> 00:09:12,000

intriguing i think everybody should just

228

00:09:16,630 --> 00:09:13,839

come and check out and see really what

229

00:09:21,630 --> 00:09:18,710

main engine start six engines up and

230

00:09:24,949 --> 00:09:21,640

running 13 years ago on november 20th

231

00:09:27,110 --> 00:09:24,959

1998 the first component of the new

232

00:09:29,430 --> 00:09:27,120

international space station was launched

233

00:09:32,150 --> 00:09:29,440

atop a russian proton rocket from the

234

00:09:34,550 --> 00:09:32,160

baikonur cosmodrome in kazakhstan

235

00:09:36,790 --> 00:09:34,560

the zarya control module would provide

236

00:09:38,949 --> 00:09:36,800

the station with battery power fuel

237

00:09:42,230 --> 00:09:38,959

storage and rendezvous and docking

238

00:09:43,509 --> 00:09:42,240

capability for soyz and progress space

239

00:09:46,550 --> 00:09:43,519

vehicles