



1  
00:00:07,200 --> 00:00:10,549  
this week at nasa

2  
00:00:17,029 --> 00:00:13,830  
a rare view of the soyuz streaking

3  
00:00:19,510 --> 00:00:17,039  
towards a predawn landing expedition 29

4  
00:00:22,230 --> 00:00:19,520  
commander mike fossum of nasa russian

5  
00:00:24,230 --> 00:00:22,240  
soyuz commander sergey volkov and japan

6  
00:00:27,029 --> 00:00:24,240  
aerospace exploration agency flight

7  
00:00:29,669 --> 00:00:27,039  
engineer satoshi furukawa landed safely

8  
00:00:31,669 --> 00:00:29,679  
on the step of kazakhstan only hours

9  
00:00:34,069 --> 00:00:31,679  
after bidding farewell to the expedition

10  
00:00:35,910 --> 00:00:34,079  
30 crew and undocking their soyuz

11  
00:00:38,709 --> 00:00:35,920  
spacecraft from the international space

12  
00:00:40,709 --> 00:00:38,719  
station the trio completed almost six

13  
00:00:41,590 --> 00:00:40,719

months in space following its launch in

14

00:00:43,990 --> 00:00:41,600

june

15

00:00:45,910 --> 00:00:44,000

their landing took place just six days

16

00:00:48,150 --> 00:00:45,920

after the arrival of a new trio of

17

00:00:50,150 --> 00:00:48,160

residents on the station commander dan

18

00:00:53,029 --> 00:00:50,160

burbank of nasa and russian flight

19

00:00:55,590 --> 00:00:53,039

engineers anton shkaplerov and anatoly

20

00:00:56,869 --> 00:00:55,600

ivanishin

21

00:00:58,549 --> 00:00:56,879

gentlemen

22

00:01:01,349 --> 00:00:58,559

heroes or not

23

00:01:03,270 --> 00:01:01,359

your acts were heroic and today we add

24

00:01:05,750 --> 00:01:03,280

you to the many honors with two your

25

00:01:08,310 --> 00:01:05,760

many honors with respect and gratitude

26

00:01:10,710 --> 00:01:08,320

the congressional gold medal

27

00:01:12,789 --> 00:01:10,720

the gold medal congress's highest

28

00:01:14,310 --> 00:01:12,799

expression of national appreciation for

29

00:01:17,030 --> 00:01:14,320

distinguished achievements and

30

00:01:20,390 --> 00:01:17,040

contributions was presented to four

31

00:01:21,990 --> 00:01:20,400

storied nasa astronauts john glenn

32

00:01:24,950 --> 00:01:22,000

neil armstrong

33

00:01:26,870 --> 00:01:24,960

michael collins and buzz aldrin

34

00:01:28,870 --> 00:01:26,880

the capitol hill awards ceremony was

35

00:01:31,030 --> 00:01:28,880

hosted by house and senate leaders of

36

00:01:31,830 --> 00:01:31,040

both parties thank you all very very

37

00:01:33,590 --> 00:01:31,840

much

38

00:01:35,830 --> 00:01:33,600

we must consider ourselves among the

39

00:01:37,830 --> 00:01:35,840

most fortunate of all generations for we

40

00:01:40,789 --> 00:01:37,840

have lived at a time

41

00:01:42,310 --> 00:01:40,799

when the dream became a reality when we

42

00:01:44,710 --> 00:01:42,320

finally could travel above the

43

00:01:46,789 --> 00:01:44,720

atmosphere around the earth

44

00:01:48,149 --> 00:01:46,799

where we could establish laboratories in

45

00:01:50,389 --> 00:01:48,159

space

46

00:01:53,830 --> 00:01:50,399

and do research

47

00:01:57,190 --> 00:01:53,840

and for the very first time in history

48

00:01:59,350 --> 00:01:57,200

leave human footprints on some place

49

00:02:02,310 --> 00:01:59,360

other than earth

50

00:02:05,190 --> 00:02:02,320

as neil and buzz and mike made their

51  
00:02:08,389 --> 00:02:06,789  
the message they left on the lunar

52  
00:02:10,389 --> 00:02:08,399  
surface

53  
00:02:12,790 --> 00:02:10,399  
could be said of all our manned space

54  
00:02:16,630 --> 00:02:12,800  
travels

55  
00:02:18,550 --> 00:02:16,640  
we came in peace for all mankind

56  
00:02:20,869 --> 00:02:18,560  
glenn was the first american to orbit

57  
00:02:25,110 --> 00:02:20,879  
the earth achieving the feat on board

58  
00:02:28,070 --> 00:02:25,120  
friendship 7 on february 20th 1962.

59  
00:02:30,309 --> 00:02:28,080  
on july 20th 1969

60  
00:02:32,470 --> 00:02:30,319  
armstrong and aldrin became the first

61  
00:02:34,710 --> 00:02:32,480  
humans to set foot on the moon

62  
00:02:38,070 --> 00:02:34,720  
while collins piloted apollo 11's

63  
00:02:39,750 --> 00:02:38,080

command module congressional gold medals

64

00:02:41,509 --> 00:02:39,760

have been presented

65

00:02:46,070 --> 00:02:41,519

nine times

66

00:02:47,910 --> 00:02:46,080

for aviation and rocketry achievements

67

00:02:52,150 --> 00:02:47,920

today

68

00:02:54,390 --> 00:02:52,160

for the first time they have been given

69

00:02:57,350 --> 00:02:54,400

for achievements in space flight

70

00:02:58,630 --> 00:02:57,360

the apollo 11 crew is

71

00:03:01,350 --> 00:02:58,640

honored

72

00:03:02,790 --> 00:03:01,360

to receive the congressional gold medal

73

00:03:07,910 --> 00:03:02,800

and accept

74

00:03:10,229 --> 00:03:07,920

on behalf of our fellow apollo teammates

75

00:03:11,830 --> 00:03:10,239

all those who played a role in expanding

76

00:03:14,070 --> 00:03:11,840

the human presence

77

00:03:16,550 --> 00:03:14,080

outward from earth

78

00:03:18,390 --> 00:03:16,560

and all those who played a role

79

00:03:20,149 --> 00:03:18,400

in expanding human knowledge of the

80

00:03:21,750 --> 00:03:20,159

solar system

81

00:03:23,830 --> 00:03:21,760

and beyond

82

00:03:30,390 --> 00:03:23,840

we thank the congress

83

00:03:34,630 --> 00:03:32,390

these are exciting times here at nasa

84

00:03:36,630 --> 00:03:34,640

and this is an especially exciting day

85

00:03:38,949 --> 00:03:36,640

administrator and former astronaut

86

00:03:41,350 --> 00:03:38,959

charlie bolden helped roll out nasa's

87

00:03:44,070 --> 00:03:41,360

new online application process for its

88

00:03:46,229 --> 00:03:44,080

next class of astronauts the class of

89

00:03:48,470 --> 00:03:46,239

2013 will be chosen from among

90

00:03:50,470 --> 00:03:48,480

candidates who for the first time will

91

00:03:51,830 --> 00:03:50,480

apply for the exciting opportunity

92

00:03:53,429 --> 00:03:51,840

through the federal government's

93

00:03:55,910 --> 00:03:53,439

usajobs.gov

94

00:03:57,990 --> 00:03:55,920

website you will be able to read about

95

00:04:00,470 --> 00:03:58,000

the nasa mission learn a little bit

96

00:04:02,710 --> 00:04:00,480

about what it means to be an astronaut

97

00:04:04,630 --> 00:04:02,720

and what the qualifications for the

98

00:04:06,630 --> 00:04:04,640

position are

99

00:04:09,110 --> 00:04:06,640

flight crew operations director janet

100

00:04:11,910 --> 00:04:09,120

cavandi and five members of the recently

101  
00:04:13,830 --> 00:04:11,920  
graduated 2009 astronaut class

102  
00:04:15,910 --> 00:04:13,840  
participated in the announcement you

103  
00:04:17,990 --> 00:04:15,920  
know we're excited because the bringing

104  
00:04:19,430 --> 00:04:18,000  
on a new nasa class means a couple of

105  
00:04:20,789 --> 00:04:19,440  
things we've got more people to work

106  
00:04:22,629 --> 00:04:20,799  
with us to travel to and from the

107  
00:04:24,629 --> 00:04:22,639  
international space station we've got

108  
00:04:27,270 --> 00:04:24,639  
new commercial vehicles coming online

109  
00:04:29,590 --> 00:04:27,280  
the class of 2009 was the first to

110  
00:04:31,670 --> 00:04:29,600  
graduate astronauts who fly in nasa's

111  
00:04:33,270 --> 00:04:31,680  
new era of space flight aboard

112  
00:04:36,070 --> 00:04:33,280  
commercial craft to the international

113  
00:04:38,469 --> 00:04:36,080

space station and nasa spacecraft on

114

00:04:40,790 --> 00:04:38,479

missions of exploration beyond low earth

115

00:04:42,710 --> 00:04:40,800

orbit

116

00:04:45,430 --> 00:04:42,720

we're excited about europa because it

117

00:04:47,990 --> 00:04:45,440

represents a place that's somehow alien

118

00:04:49,189 --> 00:04:48,000

and yet strangely familiar and may be a

119

00:04:51,350 --> 00:04:49,199

place where

120

00:04:54,150 --> 00:04:51,360

there's existence of life in the solar

121

00:04:57,030 --> 00:04:54,160

system today data from a previous nasa

122

00:04:59,110 --> 00:04:57,040

planetary mission galileo have provided

123

00:05:01,830 --> 00:04:59,120

scientists evidence of what appears to

124

00:05:05,110 --> 00:05:01,840

be a body of liquid water just beneath

125

00:05:07,430 --> 00:05:05,120

the icy surface of jupiter's moon europa

126

00:05:10,310 --> 00:05:07,440

the data suggests that not only is the

127

00:05:12,150 --> 00:05:10,320

volume of this european subsurface ocean

128

00:05:14,629 --> 00:05:12,160

similar to that of the north american

129

00:05:16,950 --> 00:05:14,639

great lakes but also that there is

130

00:05:19,670 --> 00:05:16,960

significant exchange between the moon's

131

00:05:21,590 --> 00:05:19,680

icy shell and the ocean beneath you

132

00:05:24,870 --> 00:05:21,600

could view europa as something like a

133

00:05:26,390 --> 00:05:24,880

great big battery it's stored energy and

134

00:05:28,469 --> 00:05:26,400

the question has been whether or not

135

00:05:30,870 --> 00:05:28,479

that stored energy is actually available

136

00:05:33,590 --> 00:05:30,880

for life on europa launched by space

137

00:05:36,230 --> 00:05:33,600

shuttle atlantis in 1989 to the most

138

00:05:38,790 --> 00:05:36,240

massive planet in our solar system

139

00:05:41,110 --> 00:05:38,800

nasa's galileo spacecraft has produced

140

00:05:43,350 --> 00:05:41,120

numerous discoveries about jupiter and

141

00:05:46,790 --> 00:05:43,360

provided scientists decades worth of

142

00:05:52,310 --> 00:05:49,510

a space launch system industry day gave

143

00:05:54,950 --> 00:05:52,320

potential sls suppliers a look into the

144

00:05:57,350 --> 00:05:54,960

technological capabilities at host

145

00:05:58,950 --> 00:05:57,360

michoud assembly facility the event

146

00:06:01,029 --> 00:05:58,960

featured a tour of the main

147

00:06:03,350 --> 00:06:01,039

manufacturing building at maf that

148

00:06:05,430 --> 00:06:03,360

includes among other key capabilities

149

00:06:09,350 --> 00:06:05,440

friction stir welding high speed

150

00:06:12,070 --> 00:06:09,360

machining and composite fiber processes

151  
00:06:13,990 --> 00:06:12,080  
facility executives provided insight as

152  
00:06:16,710 --> 00:06:14,000  
to how mishu and its commercial

153  
00:06:19,590 --> 00:06:16,720  
suppliers can help in the coordination

154  
00:06:22,070 --> 00:06:19,600  
and building of the sls nasa's next

155  
00:06:24,950 --> 00:06:22,080  
rocket system to take astronauts beyond

156  
00:06:27,110 --> 00:06:24,960  
low earth orbit

157  
00:06:29,430 --> 00:06:27,120  
the directors of seven nasa centers

158  
00:06:31,670 --> 00:06:29,440  
visited several centers including here

159  
00:06:34,390 --> 00:06:31,680  
at marshall to talk about their shared

160  
00:06:36,309 --> 00:06:34,400  
vision for the agency's future and take

161  
00:06:38,390 --> 00:06:36,319  
questions from the workforce

162  
00:06:40,629 --> 00:06:38,400  
all stressed the importance of nasa's

163  
00:06:42,150 --> 00:06:40,639

partnerships and the need for further

164

00:06:44,790 --> 00:06:42,160

joint efforts to strengthen

165

00:06:46,070 --> 00:06:44,800

relationships inside and outside the

166

00:06:47,990 --> 00:06:46,080

agency

167

00:06:50,070 --> 00:06:48,000

among the other centers visited was the

168

00:06:52,150 --> 00:06:50,080

glenn research center where the group

169

00:06:54,150 --> 00:06:52,160

again touted the importance of working

170

00:06:57,110 --> 00:06:54,160

together to accomplish the nation's

171

00:06:59,909 --> 00:06:57,120

goals for science engineering and space

172

00:07:04,950 --> 00:07:01,830

the kennedy space center hosted the

173

00:07:07,830 --> 00:07:04,960

latest launch forum aimed at identifying

174

00:07:09,670 --> 00:07:07,840

showcasing and supporting new approaches

175

00:07:11,589 --> 00:07:09,680

to sustainability

176  
00:07:13,909 --> 00:07:11,599  
this three-day event provided 10

177  
00:07:15,749 --> 00:07:13,919  
international participants with a stage

178  
00:07:18,550 --> 00:07:15,759  
to highlight their innovations for

179  
00:07:20,230 --> 00:07:18,560  
addressing energy challenges on earth

180  
00:07:22,629 --> 00:07:20,240  
and in space

181  
00:07:26,150 --> 00:07:22,639  
launch is an ongoing initiative whose

182  
00:07:28,469 --> 00:07:26,160  
founding partners are nasa usaid nike

183  
00:07:29,430 --> 00:07:28,479  
incorporated and the u.s department of

184  
00:07:31,830 --> 00:07:29,440  
state

185  
00:07:35,430 --> 00:07:31,840  
launch energy was the third forum in the

186  
00:07:39,510 --> 00:07:37,430  
johnson space center's contractors

187  
00:07:41,510 --> 00:07:39,520  
environmental partnership hosted its

188  
00:07:43,589 --> 00:07:41,520

fifth electronic waste recycling and

189

00:07:46,869 --> 00:07:43,599

document shredding event to celebrate

190

00:07:49,430 --> 00:07:46,879

texas recycles day in 2011.

191

00:07:51,029 --> 00:07:49,440

jsc's electronic collection events are a

192

00:07:52,550 --> 00:07:51,039

community service and part of a

193

00:07:55,029 --> 00:07:52,560

comprehensive effort to increase

194

00:07:57,189 --> 00:07:55,039

sustainability in and around nasa there

195

00:07:58,550 --> 00:07:57,199

are no limits set on the number of items

196

00:08:00,950 --> 00:07:58,560

people can bring

197

00:08:03,270 --> 00:08:00,960

acceptable items include both working

198

00:08:06,150 --> 00:08:03,280

and non-working personal computers

199

00:08:08,790 --> 00:08:06,160

monitors printers scanners digital

200

00:08:11,110 --> 00:08:08,800

cameras portable music devices cords

201  
00:08:13,270 --> 00:08:11,120  
vcrs and cell phones we're actually

202  
00:08:15,270 --> 00:08:13,280  
offering an additional service this time

203  
00:08:19,029 --> 00:08:15,280  
you can bring your personal documents in

204  
00:08:23,350 --> 00:08:21,589  
nasa's wallops flight facility honored

205  
00:08:25,510 --> 00:08:23,360  
the national disability employment

206  
00:08:27,830 --> 00:08:25,520  
awareness month by inviting 15 high

207  
00:08:29,589 --> 00:08:27,840  
school students and educators to tour

208  
00:08:32,070 --> 00:08:29,599  
the facility and learn about potential

209  
00:08:34,790 --> 00:08:32,080  
career opportunities most of them are in

210  
00:08:36,870 --> 00:08:34,800  
a career technology program

211  
00:08:39,190 --> 00:08:36,880  
based out of wicomico county

212  
00:08:41,589 --> 00:08:39,200  
and we bring them to wallops to try to

213  
00:08:42,550 --> 00:08:41,599

do a little career awareness with them

214

00:08:44,790 --> 00:08:42,560

and

215

00:08:47,110 --> 00:08:44,800

give them that experience the students

216

00:08:49,269 --> 00:08:47,120

participated in tours of technical areas

217

00:08:51,430 --> 00:08:49,279

including the balloon lab range control

218

00:08:52,949 --> 00:08:51,440

center and mission planning lab in each

219

00:08:55,190 --> 00:08:52,959

case presenters talked about the

220

00:08:57,350 --> 00:08:55,200

potential careers in that area this is

221

00:08:59,509 --> 00:08:57,360

so and it's so cool and so interesting

222

00:09:01,190 --> 00:08:59,519

and i think it's so intriguing i think

223

00:09:05,110 --> 00:09:01,200

everybody should just come and check out

224

00:09:10,030 --> 00:09:07,190

main engine start six engines up and

225

00:09:13,430 --> 00:09:10,040

running 13 years ago on november 20th

226

00:09:15,590 --> 00:09:13,440

1998 the first component of the new

227

00:09:17,910 --> 00:09:15,600

international space station was launched

228

00:09:20,630 --> 00:09:17,920

atop a russian proton rocket from the

229

00:09:23,030 --> 00:09:20,640

baikonur cosmodrome in kazakhstan

230

00:09:25,269 --> 00:09:23,040

the zarya control module would provide

231

00:09:27,430 --> 00:09:25,279

the station with battery power fuel

232

00:09:30,710 --> 00:09:27,440

storage and rendezvous and docking

233

00:09:31,990 --> 00:09:30,720

capability for soyuz and progress space

234

00:09:35,030 --> 00:09:32,000

vehicles

235

00:09:37,269 --> 00:09:35,040

and that's this week at nasa for more on