



1
00:00:11,910 --> 00:00:10,310
this week at nasa

2
00:00:14,310 --> 00:00:11,920
today i'm happy to announce that the

3
00:00:17,189 --> 00:00:14,320
boeing company has selected florida for

4
00:00:19,349 --> 00:00:17,199
its commercial crew program office

5
00:00:23,029 --> 00:00:19,359
a new partnership has been formed

6
00:00:25,109 --> 00:00:23,039
between nasa and space florida to occupy

7
00:00:28,390 --> 00:00:25,119
use and modify the kennedy space

8
00:00:30,630 --> 00:00:28,400
center's orbiter processing facility opf

9
00:00:33,110 --> 00:00:30,640
3 the space shuttle main engine

10
00:00:36,310 --> 00:00:33,120
processing facility and processing

11
00:00:38,549 --> 00:00:36,320
control center the 15-year use permit

12
00:00:40,470 --> 00:00:38,559
deal is the latest step kennedy is

13
00:00:42,389 --> 00:00:40,480

making in its transition from a

14

00:00:45,110 --> 00:00:42,399

historically government-only launch

15

00:00:47,110 --> 00:00:45,120

complex to a multi-user spaceport

16

00:00:49,510 --> 00:00:47,120

kennedy and the entire space coast have

17

00:00:51,590 --> 00:00:49,520

been synonymous with nasa's historic

18

00:00:54,069 --> 00:00:51,600

30-year shuttle program as well as

19

00:00:55,670 --> 00:00:54,079

america's first 50 years in human space

20

00:00:58,549 --> 00:00:55,680

flight and the agreement that we've

21

00:01:00,790 --> 00:00:58,559

reached today with for florida will help

22

00:01:03,430 --> 00:01:00,800

set up an even brighter future space

23

00:01:06,710 --> 00:01:03,440

florida the state's aerospace economic

24

00:01:09,190 --> 00:01:06,720

development agency is leasing opf 3 to

25

00:01:11,030 --> 00:01:09,200

the boeing company to manufacture and

26

00:01:13,750 --> 00:01:11,040

test the company's crew space

27

00:01:17,190 --> 00:01:13,760

transportation spacecraft development of

28

00:01:19,190 --> 00:01:17,200

the cst-100 a reusable capsule-shaped

29

00:01:21,510 --> 00:01:19,200

spacecraft to transport up to seven

30

00:01:24,789 --> 00:01:21,520

people or a combination of people and

31

00:01:30,230 --> 00:01:24,799

cargo to space is expected to create as

32

00:01:34,710 --> 00:01:32,469

40 meters away from docking the progress

33

00:01:37,109 --> 00:01:34,720

is core's automated rendezvous antenna

34

00:01:39,190 --> 00:01:37,119

has been retracted the russian progress

35

00:01:41,670 --> 00:01:39,200

45 cargo ship docked to the

36

00:01:44,550 --> 00:01:41,680

international space station delivering

37

00:01:47,270 --> 00:01:44,560

almost three tons of food fuel and

38

00:01:49,590 --> 00:01:47,280

supplies to the residents of the complex

39

00:01:52,149 --> 00:01:49,600

capture we have indicator mode docking

40

00:01:54,149 --> 00:01:52,159

confirmed the unmanned resupply ship

41

00:01:55,830 --> 00:01:54,159

automatically linked up to the piers

42

00:01:58,389 --> 00:01:55,840

docking compartment on the russian

43

00:02:00,709 --> 00:01:58,399

segment of the station and liftoff of

44

00:02:02,310 --> 00:02:00,719

the soyuz booster and the progress 45

45

00:02:04,630 --> 00:02:02,320

resupply ship bound for the

46

00:02:07,030 --> 00:02:04,640

international space station the arrival

47

00:02:08,949 --> 00:02:07,040

of the spacecraft came three days after

48

00:02:11,990 --> 00:02:08,959

its launch from the baikonur cosmodrome

49

00:02:13,910 --> 00:02:12,000

in kazakhstan in a successful comeback

50

00:02:17,110 --> 00:02:13,920

from the failure of a similar soyuz

51
00:02:19,510 --> 00:02:17,120
booster on august 24th that resulted in

52
00:02:22,229 --> 00:02:19,520
the loss of progress 44.

53
00:02:25,110 --> 00:02:22,239
it also happened 11 years to the day

54
00:02:27,670 --> 00:02:25,120
after the docking of expedition 1 when

55
00:02:29,990 --> 00:02:27,680
nasa astronaut bill shepard and russian

56
00:02:32,150 --> 00:02:30,000
cosmonauts yuri gadzenko and sergey

57
00:02:35,030 --> 00:02:32,160
krieklev arrived at the orbiting

58
00:02:37,509 --> 00:02:35,040
outpost aboard a russian soyuz capsule

59
00:02:38,869 --> 00:02:37,519
becoming the first inhabitants of the

60
00:02:41,190 --> 00:02:38,879
iss

61
00:02:45,110 --> 00:02:41,200
there has been an uninterrupted human

62
00:02:49,750 --> 00:02:47,030
the space shuttle atlantis crew from

63
00:02:52,070 --> 00:02:49,760

left doug hurley sandy magnus commander

64

00:02:54,150 --> 00:02:52,080

chris ferguson and rex walha was

65

00:02:56,470 --> 00:02:54,160

welcomed to the white house by president

66

00:02:58,869 --> 00:02:56,480

obama the president was presented with

67

00:03:00,470 --> 00:02:58,879

the coat from sts-135

68

00:03:02,790 --> 00:03:00,480

the final mission of the space shuttle

69

00:03:05,430 --> 00:03:02,800

program by former astronaut janet

70

00:03:09,509 --> 00:03:05,440

commanding now director of flight crew

71

00:03:13,509 --> 00:03:11,190

one of the latest recipients of the

72

00:03:15,830 --> 00:03:13,519

nobel prize for physics is now the

73

00:03:19,270 --> 00:03:15,840

latest to receive one of nasa's most

74

00:03:21,509 --> 00:03:19,280

prestigious awards

75

00:03:23,910 --> 00:03:21,519

deputy administrator lori garver joined

76
00:03:26,390 --> 00:03:23,920
with maryland senator barbara mikulski

77
00:03:28,869 --> 00:03:26,400
in presenting the agency's exceptional

78
00:03:30,949 --> 00:03:28,879
scientific achievement medal to adam

79
00:03:33,270 --> 00:03:30,959
reis of the space telescope science

80
00:03:35,830 --> 00:03:33,280
institute the award is given for

81
00:03:38,789 --> 00:03:35,840
contributions to nasa's aeronautical or

82
00:03:41,270 --> 00:03:38,799
space exploration goals reese was among

83
00:03:43,750 --> 00:03:41,280
three scientists who provided evidence

84
00:03:46,710 --> 00:03:43,760
that the expansion of the universe is

85
00:03:49,430 --> 00:03:46,720
accelerating

86
00:03:51,830 --> 00:03:49,440
the shaw prize won by rhys five years

87
00:03:53,990 --> 00:03:51,840
ago goes this year to nasa

88
00:03:55,910 --> 00:03:54,000

astrophysicist gerald fishman of the

89

00:03:58,070 --> 00:03:55,920

marshall space flight center

90

00:04:00,630 --> 00:03:58,080

fishman and another scientist share the

91

00:04:03,190 --> 00:04:00,640

award and million dollar cash prize for

92

00:04:05,589 --> 00:04:03,200

research on gamma-ray bursts the

93

00:04:07,429 --> 00:04:05,599

brightest most explosive events known to

94

00:04:11,350 --> 00:04:07,439

occur in the universe

95

00:04:13,589 --> 00:04:11,360

fishman a nasa astrophysicist since 1974

96

00:04:16,390 --> 00:04:13,599

is a co-investigator on the gamma-ray

97

00:04:20,949 --> 00:04:16,400

burst monitor a key instrument aboard

98

00:04:25,830 --> 00:04:23,430

as for fermi it has discovered the

99

00:04:28,310 --> 00:04:25,840

youngest known millisecond gamma-ray

100

00:04:32,629 --> 00:04:28,320

pulsar in an old globular cluster of

101
00:04:34,629 --> 00:04:32,639
stars named ngc 6624

102
00:04:37,590 --> 00:04:34,639
millisecond pulsars are highly

103
00:04:41,350 --> 00:04:37,600
magnetized neutron stars that rotate

104
00:04:42,550 --> 00:04:41,360
every 1 to 10 milliseconds or 1 1000 of

105
00:04:45,030 --> 00:04:42,560
a second

106
00:04:47,590 --> 00:04:45,040
animation shows a neutron star to scale

107
00:04:50,310 --> 00:04:47,600
with the island of manhattan and all

108
00:04:54,310 --> 00:04:50,320
pulsars detected by fermi blinking at

109
00:04:58,070 --> 00:04:56,150
the economic impact of the wallops

110
00:05:00,150 --> 00:04:58,080
flight facility was the topic of the day

111
00:05:02,469 --> 00:05:00,160
as members of the federal reserve bank

112
00:05:05,189 --> 00:05:02,479
in richmond toured the facility the day

113
00:05:07,350 --> 00:05:05,199

included a roundtable discussion on the

114

00:05:09,909 --> 00:05:07,360

importance of wallops economically to

115

00:05:12,310 --> 00:05:09,919

the area with 20 regional economic

116

00:05:14,310 --> 00:05:12,320

development leaders and also a tour of

117

00:05:16,390 --> 00:05:14,320

several of the facilities at wallops

118

00:05:18,629 --> 00:05:16,400

including nasa's sounding rocket

119

00:05:21,029 --> 00:05:18,639

facility and range control center they

120

00:05:23,670 --> 00:05:21,039

also received an overview on orbital

121

00:05:25,350 --> 00:05:23,680

sciences corporation taurus ii launch

122

00:05:27,029 --> 00:05:25,360

vehicle that will begin carrying

123

00:05:29,430 --> 00:05:27,039

supplies to the international space

124

00:05:32,070 --> 00:05:29,440

station in 2012 and also the

125

00:05:34,550 --> 00:05:32,080

mid-atlantic regional spaceport's new

126
00:05:36,150 --> 00:05:34,560
pad from which the taurus ii will launch

127
00:05:38,150 --> 00:05:36,160
we were interested just because of its

128
00:05:40,070 --> 00:05:38,160
implications for the economy you guys

129
00:05:42,550 --> 00:05:40,080
are great doing great things

130
00:05:44,230 --> 00:05:42,560
innovation is the key to growth

131
00:05:45,270 --> 00:05:44,240
in our standard of living over time but

132
00:05:46,870 --> 00:05:45,280
you're doing great things for the

133
00:05:50,629 --> 00:05:46,880
country as well

134
00:05:55,350 --> 00:05:52,790
nasa couldn't achieve the big things

135
00:05:57,189 --> 00:05:55,360
that we do we're not for small business

136
00:05:59,830 --> 00:05:57,199
administrator charlie bolden led the

137
00:06:01,670 --> 00:05:59,840
list of speakers at nasa's fourth annual

138
00:06:04,309 --> 00:06:01,680

small business symposium and award

139

00:06:07,110 --> 00:06:04,319

ceremony small business subcontractor of

140

00:06:08,870 --> 00:06:07,120

the year

141

00:06:11,189 --> 00:06:08,880

the two-day event once again helped

142

00:06:13,670 --> 00:06:11,199

inform company executives and employment

143

00:06:16,150 --> 00:06:13,680

specialists about opportunities the

144

00:06:18,469 --> 00:06:16,160

agency provides for small businesses and

145

00:06:20,710 --> 00:06:18,479

exploration and science missions as well

146

00:06:21,909 --> 00:06:20,720

as other programs it's really a new

147

00:06:23,350 --> 00:06:21,919

chapter

148

00:06:25,270 --> 00:06:23,360

and one of the things that's going to

149

00:06:26,550 --> 00:06:25,280

fuel that chapter as you know is

150

00:06:29,749 --> 00:06:26,560

innovation

151

00:06:34,550 --> 00:06:31,990

the fourth annual verna von braun

152

00:06:36,390 --> 00:06:34,560

memorial symposium featured several nasa

153

00:06:38,629 --> 00:06:36,400

speakers providing updates on the

154

00:06:40,950 --> 00:06:38,639

marshall space flight center and various

155

00:06:43,029 --> 00:06:40,960

agency missions and programs the

156

00:06:45,909 --> 00:06:43,039

three-day event held at the university

157

00:06:48,390 --> 00:06:45,919

of alabama huntsville also hosted panel

158

00:06:51,270 --> 00:06:48,400

discussions on a wide range of topics

159

00:06:53,830 --> 00:06:51,280

including nasa's exploration roadmap

160

00:06:55,990 --> 00:06:53,840

energizing commercial space integrating

161

00:06:57,909 --> 00:06:56,000

robotic and human exploration and

162

00:07:00,150 --> 00:06:57,919

national space policy

163

00:07:02,469 --> 00:07:00,160

the von braun symposium is organized by

164

00:07:04,550 --> 00:07:02,479

the american astronautical society in

165

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

conjunction with uaa huntsville the

166

00:07:09,830 --> 00:07:06,560

huntsville national space club and the

167

00:07:11,589 --> 00:07:09,840

marshall space flight center

168

00:07:13,589 --> 00:07:11,599

today we're going to recognize some of

169

00:07:15,430 --> 00:07:13,599

our extraordinary colleagues i want to

170

00:07:17,270 --> 00:07:15,440

thank all of you for your outstanding

171

00:07:19,589 --> 00:07:17,280

efforts over the past year the

172

00:07:21,670 --> 00:07:19,599

headquarters honor awards ceremony

173

00:07:23,430 --> 00:07:21,680

recognized employees who have made

174

00:07:25,189 --> 00:07:23,440

significant contributions to the

175

00:07:27,990 --> 00:07:25,199

headquarters community

176

00:07:29,830 --> 00:07:28,000

18 teams and individuals were so honored

177

00:07:32,390 --> 00:07:29,840

for their exemplary efforts over the

178

00:07:34,629 --> 00:07:32,400

past year

179

00:07:36,150 --> 00:07:34,639

station houston on two for mike your

180

00:07:37,589 --> 00:07:36,160

guest is entering the room and we'll be

181

00:07:40,309 --> 00:07:37,599

calling up shortly

182

00:07:41,909 --> 00:07:40,319

singer and musician dusty hill of zz top

183

00:07:44,390 --> 00:07:41,919

toured the johnson space center at the

184

00:07:47,510 --> 00:07:44,400

invitation of expedition 29 commander

185

00:07:49,350 --> 00:07:47,520

mike fossum well uh i'm at the end of my

186

00:07:51,990 --> 00:07:49,360

tour i guess you're near the end of your

187

00:07:52,710 --> 00:07:52,000

tour but uh i'm closer to home than you

188

00:07:54,629 --> 00:07:52,720

are

189

00:07:56,469 --> 00:07:54,639

hill visited the mission control center

190

00:07:58,710 --> 00:07:56,479

where he spoke with fossum and flight

191

00:08:00,869 --> 00:07:58,720

engineers sergey volkov and satoshi

192

00:08:02,070 --> 00:08:00,879

furukawa aboard the international space

193

00:08:04,550 --> 00:08:02,080

station

194

00:08:06,950 --> 00:08:04,560

astronauts katie coleman dottie metcalf

195

00:08:08,790 --> 00:08:06,960

lindenberg and steve robinson who

196

00:08:10,230 --> 00:08:08,800

moonlight as amateur musicians for the

197

00:08:12,390 --> 00:08:10,240

band max q

198

00:08:14,390 --> 00:08:12,400

showed hill where astronauts train and

199

00:08:20,869 --> 00:08:14,400

engineers are developing the next

200

00:08:25,189 --> 00:08:22,869

in the early days of soaring gliders

201
00:08:26,869 --> 00:08:25,199
used to look like this a reproduction of

202
00:08:28,869 --> 00:08:26,879
a right glider once tested in the

203
00:08:30,309 --> 00:08:28,879
full-scale tunnel at nasa's langley

204
00:08:32,149 --> 00:08:30,319
research center

205
00:08:34,230 --> 00:08:32,159
then along came a langley researcher in

206
00:08:37,750 --> 00:08:34,240
the 1940s and 50s

207
00:08:39,269 --> 00:08:37,760
francis rogallo and the regalo wing the

208
00:08:41,829 --> 00:08:39,279
so-called father of hang gliding's

209
00:08:44,070 --> 00:08:41,839
design can be seen in the skies today

210
00:08:47,110 --> 00:08:44,080
piloted by soaring enthusiasts and

211
00:08:49,030 --> 00:08:47,120
wowing spectators

212
00:08:50,949 --> 00:08:49,040
many of the faithful commemorated a

213
00:08:53,670 --> 00:08:50,959

century of soaring on north carolina's

214

00:08:56,870 --> 00:08:53,680

outer banks where on october 24th in

215

00:08:59,990 --> 00:08:56,880

1911 orville wright made an historic 9

216

00:09:02,710 --> 00:09:00,000

minute and 45 second glider flight

217

00:09:05,670 --> 00:09:02,720

the goal of soaring 100 was to celebrate

218

00:09:07,590 --> 00:09:05,680

that birth of modern soaring

219

00:09:09,350 --> 00:09:07,600

at the wright brothers memorial nasa

220

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

langley technicians demonstrated how the

221

00:09:14,470 --> 00:09:12,080

science of flight has changed one of the

222

00:09:16,550 --> 00:09:14,480

things on the on the harrier is that the

223

00:09:18,550 --> 00:09:16,560

vectored engines they would turn them

224

00:09:21,030 --> 00:09:18,560

the same thing as the osprey is they

225

00:09:22,870 --> 00:09:21,040

would turn the engines and vector the

226

00:09:24,949 --> 00:09:22,880

thrusting to give it this takeoff and

227

00:09:27,590 --> 00:09:24,959

landing and it's doing the same thing

228

00:09:29,829 --> 00:09:27,600

with this you know it turns yeah and

229

00:09:31,030 --> 00:09:29,839

various thrusts as it does on the osprey

230

00:09:33,269 --> 00:09:31,040

also

231

00:09:35,670 --> 00:09:33,279

nearby at jockeys ridge state park an

232

00:09:37,269 --> 00:09:35,680

exhibit from nasa's johnson space center

233

00:09:39,670 --> 00:09:37,279

helped visitors soar far above the

234

00:09:42,230 --> 00:09:39,680

clouds and into space

235

00:09:43,430 --> 00:09:42,240

they even had a chance to feel a piece

236

00:09:44,870 --> 00:09:43,440

of the moon

237

00:09:46,070 --> 00:09:44,880

you know you touch the earth rocks all

238

00:09:47,430 --> 00:09:46,080

the time and you don't think much about

239

00:09:49,269 --> 00:09:47,440

it when you touch something that comes

240

00:09:50,949 --> 00:09:49,279

from outer space that's pretty neat

241

00:09:53,030 --> 00:09:50,959

another soaring 100 attraction the

242

00:09:54,790 --> 00:09:53,040

participants found pretty neat

243

00:09:58,949 --> 00:09:54,800

a man dressed up as one of the tuscan

244

00:10:03,350 --> 00:10:01,269

and that's this week at nasa