



# Aero Students Report

1  
00:00:07,120 --> 00:00:10,470  
this week at nasa

2  
00:00:16,950 --> 00:00:14,470  
juno is on schedule and on budget nasa's

3  
00:00:19,429 --> 00:00:16,960  
upcoming juno mission to jupiter was

4  
00:00:21,510 --> 00:00:19,439  
previewed by scientists and engineers at

5  
00:00:23,830 --> 00:00:21,520  
the kennedy space center news briefing

6  
00:00:26,470 --> 00:00:23,840  
the size of juno is about 11 and a half

7  
00:00:28,950 --> 00:00:26,480  
feet tall about 11 and a half feet wide

8  
00:00:31,269 --> 00:00:28,960  
the diameter of the circle is about 80

9  
00:00:34,310 --> 00:00:31,279  
feet in diameter we're the first ones to

10  
00:00:37,430 --> 00:00:34,320  
go out that far to to jupiter's distance

11  
00:00:39,590 --> 00:00:37,440  
solar powered juno's goal is to improve

12  
00:00:42,389 --> 00:00:39,600  
our understanding of our solar system's

13  
00:00:45,110 --> 00:00:42,399

beginnings by revealing data about the

14

00:00:47,190 --> 00:00:45,120

gas giant's evolution juno will get

15

00:00:50,229 --> 00:00:47,200

closer to jupiter than any other

16

00:00:52,709 --> 00:00:50,239

spacecraft to provide detailed images

17

00:00:54,229 --> 00:00:52,719

and the first glimpse of its poles what

18

00:00:56,549 --> 00:00:54,239

we're really after is discovering the

19

00:00:58,709 --> 00:00:56,559

recipe for making planets and we're back

20

00:01:01,110 --> 00:00:58,719

at the first step of making sure we have

21

00:01:03,430 --> 00:01:01,120

all the ingredients in that recipe

22

00:01:04,869 --> 00:01:03,440

juno is scheduled to launch august 5th

23

00:01:06,789 --> 00:01:04,879

from the cape canaveral air force

24

00:01:08,870 --> 00:01:06,799

station in florida

25

00:01:11,109 --> 00:01:08,880

juno is really the first in a whole

26

00:01:12,710 --> 00:01:11,119

series of planetary science missions

27

00:01:15,429 --> 00:01:12,720

that are beginning

28

00:01:17,749 --> 00:01:15,439

juneau will launch in early august we'll

29

00:01:19,749 --> 00:01:17,759

have grail going to the moon in

30

00:01:24,950 --> 00:01:19,759

september and then we'll launch the mars

31

00:01:29,190 --> 00:01:26,870

with the recent selection of the gale

32

00:01:31,670 --> 00:01:29,200

crater as its landing site on the red

33

00:01:33,990 --> 00:01:31,680

planet the mars science laboratory

34

00:01:36,390 --> 00:01:34,000

mission is now one step closer to its

35

00:01:39,190 --> 00:01:36,400

scheduled launch this november

36

00:01:41,830 --> 00:01:39,200

nasa's next mars rover car sized

37

00:01:43,990 --> 00:01:41,840

curiosity would land in august of next

38

00:01:46,310 --> 00:01:44,000

year at the foot of a giant layered

39

00:01:48,550 --> 00:01:46,320

mountain inside gale there is this

40

00:01:50,550 --> 00:01:48,560

enormous stack five kilometers thick of

41

00:01:52,550 --> 00:01:50,560

layered material which represents the

42

00:01:53,910 --> 00:01:52,560

opportunity to literally read chapters

43

00:01:56,069 --> 00:01:53,920

in a book of the history of past

44

00:01:58,630 --> 00:01:56,079

deposition on mars during a prime

45

00:02:00,069 --> 00:01:58,640

mission lasting one martian year nearly

46

00:02:02,709 --> 00:02:00,079

two earth years

47

00:02:05,109 --> 00:02:02,719

researchers will use the rover's tools

48

00:02:07,590 --> 00:02:05,119

to study whether the landing region had

49

00:02:10,150 --> 00:02:07,600

favorable environmental conditions for

50

00:02:12,790 --> 00:02:10,160

supporting microbial life and for

51  
00:02:22,630 --> 00:02:12,800  
preserving clues about whether life ever

52  
00:02:27,070 --> 00:02:24,550  
with this plaque hanging ceremony at

53  
00:02:29,830 --> 00:02:27,080  
mission control in houston the

54  
00:02:32,070 --> 00:02:29,840  
sts-135 crew that completed the final

55  
00:02:34,229 --> 00:02:32,080  
space shuttle mission aboard atlantis

56  
00:02:36,949 --> 00:02:34,239  
paid tribute to flight controllers at

57  
00:02:39,190 --> 00:02:36,959  
the johnson space center who supervised

58  
00:02:41,190 --> 00:02:39,200  
its 13-day mission a chance to allow

59  
00:02:43,990 --> 00:02:41,200  
everyone to take it all in commander

60  
00:02:46,550 --> 00:02:44,000  
chris ferguson pilot doug hurley and

61  
00:02:48,790 --> 00:02:46,560  
mission specialists sandy magnus and rex

62  
00:02:50,710 --> 00:02:48,800  
walnut took part in the traditional

63  
00:02:53,030 --> 00:02:50,720

ceremony that span both the

64

00:02:55,030 --> 00:02:53,040

international space station and space

65

00:02:56,470 --> 00:02:55,040

shuttle flight control room that's right

66

00:02:58,309 --> 00:02:56,480

you know every time we go flying we take

67

00:03:01,350 --> 00:02:58,319

a little piece of you with us and we

68

00:03:02,550 --> 00:03:01,360

hopefully maybe just brought you along a

69

00:03:04,309 --> 00:03:02,560

little bit more on this flight if you

70

00:03:07,350 --> 00:03:04,319

think about a year ago this flight

71

00:03:09,430 --> 00:03:07,360

didn't even exist it was the sts 335

72

00:03:11,910 --> 00:03:09,440

rescue mission and uh really it was just

73

00:03:14,229 --> 00:03:11,920

a gleam in mike safradini's eyes back

74

00:03:16,550 --> 00:03:14,239

then and uh and then here we are fast

75

00:03:18,550 --> 00:03:16,560

forward through 12 incredibly busy

76  
00:03:21,350 --> 00:03:18,560  
months of preparation and look at what

77  
00:03:23,830 --> 00:03:21,360  
we accomplished we never lost focus you

78  
00:03:25,830 --> 00:03:23,840  
never lost heart you never lost your

79  
00:03:27,990 --> 00:03:25,840  
morale you never lost the discipline

80  
00:03:29,430 --> 00:03:28,000  
with which we have been taught to come

81  
00:03:31,350 --> 00:03:29,440  
into this room and all of the

82  
00:03:33,589 --> 00:03:31,360  
surrounding rooms

83  
00:03:34,710 --> 00:03:33,599  
to do what we do

84  
00:03:36,789 --> 00:03:34,720  
and for that

85  
00:03:38,070 --> 00:03:36,799  
i think you all deserve to be commended

86  
00:03:42,390 --> 00:03:38,080  
so let's give yourselves a round of

87  
00:03:46,070 --> 00:03:44,470  
what we are trying to do in this

88  
00:03:48,550 --> 00:03:46,080



administration

89

00:03:49,589 --> 00:03:48,560

is return nasa to that more classical

90

00:03:53,589 --> 00:03:49,599

role

91

00:03:56,229 --> 00:03:53,599

of our 1958 space act of investing in

92

00:03:58,470 --> 00:03:56,239

technologies deputy administrator lori

93

00:04:01,030 --> 00:03:58,480

garver was keynote speaker at the space

94

00:04:03,190 --> 00:04:01,040

frontier foundation's annual new space

95

00:04:04,309 --> 00:04:03,200

conference held at the ames research

96

00:04:07,030 --> 00:04:04,319

center

97

00:04:09,350 --> 00:04:07,040

new space allows entrepreneurs investors

98

00:04:12,070 --> 00:04:09,360

scientists engineers regulators and

99

00:04:15,030 --> 00:04:12,080

space policy leaders to discuss the

100

00:04:17,270 --> 00:04:15,040

opening of space to human settlement

101

00:04:19,830 --> 00:04:17,280

the theme of this year's three-day forum

102

00:04:22,550 --> 00:04:19,840

the next big thing focused on the

103

00:04:24,950 --> 00:04:22,560

emerging commercial space industry these

104

00:04:27,430 --> 00:04:24,960

are people who believe in what we do who

105

00:04:30,390 --> 00:04:27,440

believe that nasa is the government's

106

00:04:33,909 --> 00:04:30,400

part of the advancement of humanity into

107

00:04:35,670 --> 00:04:33,919

space and of course we want to

108

00:04:38,469 --> 00:04:35,680

help communicate with them about the

109

00:04:41,430 --> 00:04:38,479

things we're doing so that they can

110

00:04:44,310 --> 00:04:41,440

take that further it's great to be here

111

00:04:46,710 --> 00:04:44,320

while it ends garver also sat down for

112

00:04:48,629 --> 00:04:46,720

an up close and personal chat with

113

00:04:51,510 --> 00:04:48,639

members and guests of the center's

114

00:04:52,629 --> 00:04:51,520

chapter of win the women's influence

115

00:04:54,150 --> 00:04:52,639

network

116

00:04:56,469 --> 00:04:54,160

garver spoke about her personal

117

00:04:59,830 --> 00:04:56,479

experiences and role in the evolving

118

00:05:02,150 --> 00:04:59,840

workplace barriers she's had to overcome

119

00:05:08,790 --> 00:05:02,160

and advice for those working to achieve

120

00:05:08,800 --> 00:05:16,550

they

121

00:05:20,950 --> 00:05:18,390

the kennedy space center teamed up with

122

00:05:24,390 --> 00:05:20,960

the u.s office of personnel management

123

00:05:28,870 --> 00:05:24,400

and brevard workforce to host a job fair

124

00:05:33,909 --> 00:05:31,350

this space coast job fair and hands-on

125

00:05:36,629 --> 00:05:33,919

training event attracted hundreds of job

126

00:05:38,710 --> 00:05:36,639

seekers and more than 60 federal and

127

00:05:41,749 --> 00:05:38,720

private sector employers from across the

128

00:05:43,990 --> 00:05:41,759

country to the program that would be an

129

00:05:46,150 --> 00:05:44,000

awesome program for her nasa has been

130

00:05:48,310 --> 00:05:46,160

working with local state and federal

131

00:05:50,629 --> 00:05:48,320

officials to provide future planning and

132

00:05:52,870 --> 00:05:50,639

placement assistance for non-civil

133

00:05:55,189 --> 00:05:52,880

servant contractors who work to support

134

00:05:56,390 --> 00:05:55,199

the space shuttle program which will end

135

00:05:58,790 --> 00:05:56,400

next month

136

00:06:01,510 --> 00:05:58,800

nasa's human resources office has also

137

00:06:03,749 --> 00:06:01,520

hosted workshops seminars and other

138

00:06:07,430 --> 00:06:03,759

events to help prepare employees for

139

00:06:12,309 --> 00:06:09,830

and so my job is to look at the airing

140

00:06:14,150 --> 00:06:12,319

424 database closely students from

141

00:06:16,469 --> 00:06:14,160

several nasa aeronautics sponsored

142

00:06:18,469 --> 00:06:16,479

programs spent two days at headquarters

143

00:06:21,189 --> 00:06:18,479

reporting on their accomplishments and

144

00:06:23,270 --> 00:06:21,199

experiences working at the agency

145

00:06:24,629 --> 00:06:23,280

recipients of aeronautics scholarships

146

00:06:27,350 --> 00:06:24,639

were joined by students from the

147

00:06:29,909 --> 00:06:27,360

agency's aeronautics academy in making

148

00:06:31,990 --> 00:06:29,919

10-minute presentations to armd

149

00:06:34,469 --> 00:06:32,000

officials including associate

150

00:06:36,870 --> 00:06:34,479

administrator jaywan in the stem

151  
00:06:39,270 --> 00:06:36,880  
education this is the fourth consecutive

152  
00:06:41,270 --> 00:06:39,280  
year that students scholars and fellows

153  
00:06:43,590 --> 00:06:41,280  
have studied aeronautics and related

154  
00:06:45,189 --> 00:06:43,600  
fields in summer internships guided by

155  
00:06:47,270 --> 00:06:45,199  
nasa professionals

156  
00:06:49,430 --> 00:06:47,280  
both programs attempt to foster new

157  
00:06:51,990 --> 00:06:49,440  
generations of highly skilled scientists

158  
00:06:54,070 --> 00:06:52,000  
and engineers critical to the future of

159  
00:06:55,029 --> 00:06:54,080  
the nation's aeronautics industry it's

160  
00:06:56,550 --> 00:06:55,039  
awesome

161  
00:06:58,790 --> 00:06:56,560  
this summer has definitely given me the

162  
00:07:01,589 --> 00:06:58,800  
opportunity to see a lot of different

163  
00:07:03,110 --> 00:07:01,599

aspects of aeronautics research and be a

164

00:07:05,350 --> 00:07:03,120

part of something i never thought that i

165

00:07:08,629 --> 00:07:05,360

would

166

00:07:11,510 --> 00:07:08,639

our pilot gregory box johnson

167

00:07:13,830 --> 00:07:11,520

members of the sts-134 crew stopped by

168

00:07:15,830 --> 00:07:13,840

the stennis space center to share video

169

00:07:17,990 --> 00:07:15,840

highlights from their 16-day mission to

170

00:07:19,670 --> 00:07:18,000

the international space station aboard

171

00:07:21,990 --> 00:07:19,680

space shuttle endeavour

172

00:07:24,309 --> 00:07:22,000

mission specialists greg shamatok and

173

00:07:26,230 --> 00:07:24,319

mike fink mingled and took questions

174

00:07:27,430 --> 00:07:26,240

from the stennis staff i couldn't help

175

00:07:29,029 --> 00:07:27,440

notice that y'all like to kind of

176

00:07:31,430 --> 00:07:29,039

superman through the hallways over there

177

00:07:33,670 --> 00:07:31,440

also engaged in some q a with youngsters

178

00:07:36,309 --> 00:07:33,680

participating in the center's summer

179

00:07:38,230 --> 00:07:36,319

astro camp sessions do you see black or

180

00:07:40,309 --> 00:07:38,240

does the ultraviolet and infrared light

181

00:07:43,430 --> 00:07:40,319

affect what you see behind your eyelids

182

00:07:45,909 --> 00:07:43,440

during sts-134 space shuttle endeavour

183

00:07:48,950 --> 00:07:45,919

delivered spare parts to the complex and

184

00:07:51,189 --> 00:07:48,960

transported and installed ams ii a

185

00:07:53,029 --> 00:07:51,199

particle physics detector that'll

186

00:07:56,629 --> 00:07:53,039

increase our understanding of the

187

00:08:01,430 --> 00:07:58,869

welcome to the third installment of the

188

00:08:04,070 --> 00:08:01,440



legends series stennis space center's

189

00:08:06,710 --> 00:08:04,080

year-long 50th anniversary celebration

190

00:08:08,710 --> 00:08:06,720

continued with the third round of its

191

00:08:11,029 --> 00:08:08,720

legends lecture series

192

00:08:13,430 --> 00:08:11,039

the series features influential current

193

00:08:15,670 --> 00:08:13,440

and former civil service and contractor

194

00:08:17,510 --> 00:08:15,680

employees who've contributed to the

195

00:08:19,909 --> 00:08:17,520

growth and development of stennis

196

00:08:21,510 --> 00:08:19,919

throughout the years they had me typing

197

00:08:24,790 --> 00:08:21,520

software

198

00:08:27,589 --> 00:08:24,800

on a typewriter with a little round ball

199

00:08:29,749 --> 00:08:27,599

that had letters and numbers on it

200

00:08:34,070 --> 00:08:29,759

i had never seen a typewriter like that

201  
00:08:35,829 --> 00:08:34,080  
before and what the heck was software

202  
00:08:37,750 --> 00:08:35,839  
this particular presentation brought

203  
00:08:39,589 --> 00:08:37,760  
together administrative assistants

204  
00:08:42,070 --> 00:08:39,599  
who've served in the center director's

205  
00:08:44,470 --> 00:08:42,080  
office over the center's half century

206  
00:08:46,949 --> 00:08:44,480  
the center legends gave a unique

207  
00:08:50,230 --> 00:08:46,959  
behind-the-scenes glimpse into life in

208  
00:08:51,590 --> 00:08:50,240  
the front office i worked for engineers

209  
00:08:56,070 --> 00:08:51,600  
i worked for

210  
00:08:59,110 --> 00:08:56,080  
astronaut and i don't know any other

211  
00:09:00,949 --> 00:08:59,120  
organization i could work for

212  
00:09:03,350 --> 00:09:00,959  
and work for those type of people they

213  
00:09:05,670 --> 00:09:03,360

were all great to work for

214

00:09:07,910 --> 00:09:05,680

and that's this week at nasa