



1
00:00:06,799 --> 00:00:10,390
this week at nasa

2
00:00:15,350 --> 00:00:12,549
the space coast is open for business

3
00:00:17,990 --> 00:00:15,360
administrator charlie bolden led members

4
00:00:20,070 --> 00:00:18,000
of the media on a tour of nasa's new

5
00:00:22,870 --> 00:00:20,080
mobile launcher at the kennedy space

6
00:00:25,109 --> 00:00:22,880
center center director bob cabana and

7
00:00:27,830 --> 00:00:25,119
other kennedy management joined bolden

8
00:00:30,630 --> 00:00:27,840
to discuss nasa's space launch system

9
00:00:33,030 --> 00:00:30,640
the sls is the agency's heavy lift

10
00:00:36,069 --> 00:00:33,040
rocket that will take astronauts farther

11
00:00:38,549 --> 00:00:36,079
into space than ever before create high

12
00:00:40,470 --> 00:00:38,559
quality jobs here at home and provide

13
00:00:42,869 --> 00:00:40,480

the cornerstone for america's future

14

00:00:44,389 --> 00:00:42,879

human space exploration efforts

15

00:00:46,790 --> 00:00:44,399

everything you see

16

00:00:49,990 --> 00:00:46,800

around this complex involves local

17

00:00:51,830 --> 00:00:50,000

talent local uh skill and energy and bob

18

00:00:54,869 --> 00:00:51,840

and i are committed to making ksc to

19

00:00:56,869 --> 00:00:54,879

keeping ksc and the entire space coast

20

00:00:59,830 --> 00:00:56,879

the leader in the world in terms of

21

00:01:02,630 --> 00:00:59,840

exploration sls will carry nasa's orion

22

00:01:05,270 --> 00:01:02,640

spacecraft cargo equipment and science

23

00:01:07,350 --> 00:01:05,280

experiments to space providing a safe

24

00:01:09,750 --> 00:01:07,360

affordable and sustainable means of

25

00:01:12,550 --> 00:01:09,760

reaching the moon asteroids and other

26

00:01:15,030 --> 00:01:12,560

destinations in the solar system

27

00:01:17,270 --> 00:01:15,040

bolden's media tour was preceded by a

28

00:01:19,670 --> 00:01:17,280

breakfast speech at the kennedy visitors

29

00:01:21,990 --> 00:01:19,680

complex where he assured space coast

30

00:01:24,149 --> 00:01:22,000

community leaders that the new mobile

31

00:01:28,710 --> 00:01:24,159

launch tower was a symbol of the

32

00:01:33,190 --> 00:01:31,030

the launch of nasa's national polar

33

00:01:36,149 --> 00:01:33,200

orbiting operational environmental

34

00:01:38,630 --> 00:01:36,159

satellite system preparatory project is

35

00:01:40,630 --> 00:01:38,640

fast approaching as the prototype for

36

00:01:44,149 --> 00:01:40,640

the next generation of earth observing

37

00:01:46,149 --> 00:01:44,159

satellites npp and its five onboard

38

00:01:49,030 --> 00:01:46,159

instruments will observe the entire

39

00:01:51,590 --> 00:01:49,040

globe once a day providing continuous

40

00:01:53,990 --> 00:01:51,600

data about the earth's land oceans and

41

00:01:56,069 --> 00:01:54,000

atmosphere the observations will be used

42

00:01:58,550 --> 00:01:56,079

for long-term monitoring of how our

43

00:02:01,190 --> 00:01:58,560

earth and climate are changing npp's

44

00:02:03,270 --> 00:02:01,200

observations will help nasa make better

45

00:02:06,069 --> 00:02:03,280

long-term data sets which help

46

00:02:07,990 --> 00:02:06,079

scientists make better models which then

47

00:02:09,830 --> 00:02:08,000

lead to better predictions which

48

00:02:11,990 --> 00:02:09,840

hopefully can be used to make better

49

00:02:14,470 --> 00:02:12,000

decisions and these decisions can be as

50

00:02:17,030 --> 00:02:14,480

simple as do i bring an umbrella

51
00:02:19,589 --> 00:02:17,040
or as complex as how do we respond to a

52
00:02:22,390 --> 00:02:19,599
changing climate npp is scheduled to

53
00:02:28,710 --> 00:02:22,400
launch october 27th from vandenberg air

54
00:02:32,949 --> 00:02:31,030
the 15th annual nasa's extreme

55
00:02:35,750 --> 00:02:32,959
environment mission operations

56
00:02:38,229 --> 00:02:35,760
experiments are underway off key lago

57
00:02:41,270 --> 00:02:38,239
florida

58
00:02:43,830 --> 00:02:41,280
each autumn astronauts become equinox

59
00:02:45,589 --> 00:02:43,840
and live underwater for nine days to

60
00:02:47,830 --> 00:02:45,599
come up with solutions that may help

61
00:02:49,030 --> 00:02:47,840
nasa better prepare for future space

62
00:02:51,110 --> 00:02:49,040
missions

63
00:02:53,270 --> 00:02:51,120

this year's nemo experiments are

64

00:02:56,229 --> 00:02:53,280

exploring the challenges of a mission to

65

00:02:58,710 --> 00:02:56,239

a near-earth asteroid the ocean's beds

66

00:03:01,589 --> 00:02:58,720

buoyancy and topography are a good

67

00:03:08,790 --> 00:03:01,599

stand-in as asteroids have little or no

68

00:03:13,910 --> 00:03:11,270

four nasa scientists named by president

69

00:03:16,070 --> 00:03:13,920

obama as recipients of the 2010

70

00:03:18,790 --> 00:03:16,080

presidential early career award for

71

00:03:20,550 --> 00:03:18,800

scientists and engineers were presented

72

00:03:21,830 --> 00:03:20,560

with their medals at a headquarters

73

00:03:23,830 --> 00:03:21,840

ceremony

74

00:03:26,390 --> 00:03:23,840

nominated by nasa's science mission

75

00:03:28,869 --> 00:03:26,400

directorates for a p case award were

76
00:03:30,070 --> 00:03:28,879
jonathan w certain of the marshall space

77
00:03:32,390 --> 00:03:30,080
flight center

78
00:03:35,670 --> 00:03:32,400
ian m howitt of the ohio state

79
00:03:39,190 --> 00:03:35,680
university gregory g house university of

80
00:03:41,910 --> 00:03:39,200
iowa and benjamin a mazin university of

81
00:03:43,910 --> 00:03:41,920
california santa barbara the p case

82
00:03:46,229 --> 00:03:43,920
awards represent the highest honor

83
00:03:48,789 --> 00:03:46,239
bestowed by the u.s government on

84
00:03:51,509 --> 00:03:48,799
scientists and engineers beginning their

85
00:03:53,750 --> 00:03:51,519
independent careers they recognize

86
00:03:56,149 --> 00:03:53,760
recipients exceptional potential for

87
00:03:59,589 --> 00:03:56,159
leadership at the frontiers of

88
00:04:02,869 --> 00:04:01,830

okay to get it in you'll feel the snap

89

00:04:05,110 --> 00:04:02,879

back

90

00:04:07,030 --> 00:04:05,120

of the of the collar aboard the

91

00:04:08,949 --> 00:04:07,040

international space station where

92

00:04:12,630 --> 00:04:08,959

one-of-a-kind science research and

93

00:04:14,630 --> 00:04:12,640

microgravity is conducted every day nasa

94

00:04:17,110 --> 00:04:14,640

astronauts will soon be performing

95

00:04:20,150 --> 00:04:17,120

innovative experiments pitched by

96

00:04:23,030 --> 00:04:20,160

students to scientists and the public on

97

00:04:25,430 --> 00:04:23,040

youtube with nasa's support space

98

00:04:27,590 --> 00:04:25,440

adventures limited of vienna virginia

99

00:04:30,790 --> 00:04:27,600

will conduct a global competition for

100

00:04:33,110 --> 00:04:30,800

students ages 14 to 18 to design

101
00:04:35,350 --> 00:04:33,120
space-based experiments in either life

102
00:04:37,510 --> 00:04:35,360
sciences or physics

103
00:04:40,550 --> 00:04:37,520
each student will apply by submitting a

104
00:04:42,150 --> 00:04:40,560
two-minute video to youtube.com

105
00:04:44,469 --> 00:04:42,160
not only will the public help an

106
00:04:46,550 --> 00:04:44,479
esteemed panel judge the entries but

107
00:04:49,030 --> 00:04:46,560
will also be able to watch the winning

108
00:04:51,590 --> 00:04:49,040
experiments via video streaming on

109
00:04:54,390 --> 00:04:51,600
youtube's website as they're performed

110
00:04:59,510 --> 00:04:54,400
250 miles above earth in the u.s

111
00:04:59,520 --> 00:05:03,350
mr keegan does that come with a warranty

112
00:05:08,390 --> 00:05:06,150
this ceremony in los angeles marked

113
00:05:10,870 --> 00:05:08,400

nasa's official title transfer and

114

00:05:13,189 --> 00:05:10,880

ownership of space shuttle endeavour to

115

00:05:15,270 --> 00:05:13,199

the california science center

116

00:05:17,830 --> 00:05:15,280

the transfer is the first step towards

117

00:05:20,629 --> 00:05:17,840

csc receiving endeavor in the latter

118

00:05:23,270 --> 00:05:20,639

half of next year after its post-mission

119

00:05:25,830 --> 00:05:23,280

work and display preparation is complete

120

00:05:28,310 --> 00:05:25,840

endeavor will be delivered on the 747

121

00:05:30,870 --> 00:05:28,320

shuttle carrier aircraft to los angeles

122

00:05:32,550 --> 00:05:30,880

international airport from lax the

123

00:05:35,350 --> 00:05:32,560

shuttle will travel through the streets

124

00:05:39,510 --> 00:05:35,360

of los angeles to its final destination

125

00:05:41,189 --> 00:05:39,520

at the science center in exposition park

126

00:05:43,990 --> 00:05:41,199

our love as we were youngsters as some

127

00:05:47,510 --> 00:05:44,000

of you are right now for things like

128

00:05:49,749 --> 00:05:47,520

science space aviation rocketry was all

129

00:05:52,790 --> 00:05:49,759

cultivated in wonderful facilities like

130

00:05:54,950 --> 00:05:52,800

this the four members of the sts-135

131

00:05:57,110 --> 00:05:54,960

crew paid an extended visit to the

132

00:05:59,350 --> 00:05:57,120

nation's capital commander chris

133

00:06:02,469 --> 00:05:59,360

ferguson pilot doug hurley and mission

134

00:06:04,070 --> 00:06:02,479

specialists sandy magnus and rex walheim

135

00:06:06,309 --> 00:06:04,080

presented highlights of their flight

136

00:06:08,550 --> 00:06:06,319

aboard atlantis the final mission of the

137

00:06:10,550 --> 00:06:08,560

space shuttle program to members of the

138

00:06:12,629 --> 00:06:10,560

general public in the moving beyond

139

00:06:14,870 --> 00:06:12,639

earth gallery at the smithsonian

140

00:06:16,230 --> 00:06:14,880

national air and space museum chris

141

00:06:17,990 --> 00:06:16,240

ferguson

142

00:06:21,270 --> 00:06:18,000

doug hurley

143

00:06:23,670 --> 00:06:21,280

sandy magnus and rex waldheim chris as

144

00:06:25,990 --> 00:06:23,680

well as to headquarters employees family

145

00:06:27,430 --> 00:06:26,000

and friends in the james webb auditorium

146

00:06:29,029 --> 00:06:27,440

i guess we can take a few questions here

147

00:06:30,790 --> 00:06:29,039

soon but let me just share who went to

148

00:06:33,510 --> 00:06:30,800

the launch and show of hands

149

00:06:35,749 --> 00:06:33,520

wow very good oh wow boy you are clearly

150

00:06:38,150 --> 00:06:35,759

fans this is great ferguson and magnus

151

00:06:40,950 --> 00:06:38,160

also participated in a nasa tweet up

152

00:06:42,950 --> 00:06:40,960

with users of the social medium twitter

153

00:06:46,629 --> 00:06:42,960

many of whom had traveled quite a long

154

00:06:51,029 --> 00:06:48,870

this is part of a video pieced together

155

00:06:53,350 --> 00:06:51,039

by the opportunity team at the jet

156

00:06:55,830 --> 00:06:53,360

propulsion lab to show the mars

157

00:06:58,629 --> 00:06:55,840

exploration rover's three-year trek from

158

00:07:01,830 --> 00:06:58,639

victoria crater to endeavor crater

159

00:07:04,309 --> 00:07:01,840

the video compiles 309 images taken by

160

00:07:08,150 --> 00:07:04,319

opportunity's navigation camera between

161

00:07:10,150 --> 00:07:08,160

september 2008 and august 2011 as an

162

00:07:13,510 --> 00:07:10,160

historic record of the spacecraft's

163

00:07:15,589 --> 00:07:13,520

13-mile journey across a martian plane

164

00:07:17,990 --> 00:07:15,599

parked with smaller craters

165

00:07:22,230 --> 00:07:18,000

to watch the complete three-minute video

166

00:07:27,749 --> 00:07:24,629

rovers

167

00:07:30,550 --> 00:07:27,759

and that's this week at nasa for more on