



# Antares Anticipating Launch

1  
00:00:06,960 --> 00:00:11,110  
this week at nasa

2  
00:00:15,589 --> 00:00:12,789  
the antares rocket remains at the

3  
00:00:17,830 --> 00:00:15,599  
mid-atlantic regional spaceport's pad 0a

4  
00:00:19,510 --> 00:00:17,840  
at the wallops flight facility awaiting

5  
00:00:21,750 --> 00:00:19,520  
launch of its first test flight under

6  
00:00:24,470 --> 00:00:21,760  
nasa's commercial orbital transportation

7  
00:00:26,310 --> 00:00:24,480  
services or cots program

8  
00:00:28,230 --> 00:00:26,320  
orbital sciences corporation cancelled

9  
00:00:30,390 --> 00:00:28,240  
the countdown during wednesday's initial

10  
00:00:32,549 --> 00:00:30,400  
launch attempt when a data umbilical

11  
00:00:33,830 --> 00:00:32,559  
connection prematurely separated from

12  
00:00:35,910 --> 00:00:33,840  
the rocket

13  
00:00:37,750 --> 00:00:35,920

also on wednesday two events for media

14

00:00:39,910 --> 00:00:37,760

to learn more about the mission and

15

00:00:41,990 --> 00:00:39,920

activities at wallops deputy

16

00:00:43,990 --> 00:00:42,000

administrator lori garver spoke with

17

00:00:45,350 --> 00:00:44,000

traditional media during a media

18

00:00:47,350 --> 00:00:45,360

roundtable

19

00:00:49,190 --> 00:00:47,360

and at a nasa social administrator

20

00:00:51,270 --> 00:00:49,200

charlie bolden connected with nasa's

21

00:00:53,910 --> 00:00:51,280

social media followers on this

22

00:00:56,630 --> 00:00:53,920

demonstration flight antares will carry

23

00:00:58,950 --> 00:00:56,640

a simulated cygnus spacecraft to orbit

24

00:01:03,270 --> 00:00:58,960

the real cygnus will deliver cargo to

25

00:01:07,510 --> 00:01:05,030

progress on final assembly and

26

00:01:09,670 --> 00:01:07,520

integration of the orion spacecraft was

27

00:01:11,750 --> 00:01:09,680

showcased for news media at the kennedy

28

00:01:12,710 --> 00:01:11,760

space center's operations and checkout

29

00:01:15,190 --> 00:01:12,720

building

30

00:01:17,830 --> 00:01:15,200

ksc director bob cabana and others

31

00:01:18,789 --> 00:01:17,840

detailed the status of nasa's next space

32

00:01:21,429 --> 00:01:18,799

capsule

33

00:01:23,749 --> 00:01:21,439

and its uncrewed exploration flight test

34

00:01:26,950 --> 00:01:23,759

1 scheduled for next year

35

00:01:29,670 --> 00:01:26,960

eft 1 which will send orion some 3 600

36

00:01:31,590 --> 00:01:29,680

miles into space will test the capsule's

37

00:01:33,990 --> 00:01:31,600

heat shield as it re-enters earth's

38

00:01:36,149 --> 00:01:34,000

atmosphere at high speeds similar to

39

00:01:39,429 --> 00:01:36,159

those experienced by spacecraft

40

00:01:40,950 --> 00:01:39,439

returning from deep space

41

00:01:42,630 --> 00:01:40,960

the occasion also marked the

42

00:01:45,190 --> 00:01:42,640

announcement three years ago by

43

00:01:48,069 --> 00:01:45,200

president obama of his goals for nasa

44

00:01:50,469 --> 00:01:48,079

and space exploration including sending

45

00:01:55,190 --> 00:01:50,479

humans to an asteroid something orion

46

00:01:59,830 --> 00:01:57,270

deputy administrator lori garver

47

00:02:02,550 --> 00:01:59,840

addressed attendees of gathering for

48

00:02:04,550 --> 00:02:02,560

impact the third international academy

49

00:02:07,109 --> 00:02:04,560

of astronautics planetary defense

50

00:02:09,910 --> 00:02:07,119

conference in flagstaff arizona

51  
00:02:12,229 --> 00:02:09,920  
the five-day event addressed strategies

52  
00:02:15,110 --> 00:02:12,239  
for deflecting an asteroid and civil

53  
00:02:16,790 --> 00:02:15,120  
defense response should impact threaten

54  
00:02:18,150 --> 00:02:16,800  
well nasa's all about

55  
00:02:19,510 --> 00:02:18,160  
leaving the world a better place so

56  
00:02:21,589 --> 00:02:19,520  
leaving it

57  
00:02:23,589 --> 00:02:21,599  
intact is a is a good benefit that we

58  
00:02:26,309 --> 00:02:23,599  
can help with also included was an

59  
00:02:28,229 --> 00:02:26,319  
outing to nearby meteor crater one of

60  
00:02:32,150 --> 00:02:28,239  
the best preserved meteorite impact

61  
00:02:36,869 --> 00:02:34,470  
nasa's kepler space telescope has

62  
00:02:39,509 --> 00:02:36,879  
discovered three super-earth-sized

63  
00:02:41,910 --> 00:02:39,519

planets in their star's habitable zones

64

00:02:43,670 --> 00:02:41,920

a region where liquid water might exist

65

00:02:45,509 --> 00:02:43,680

on the planet's surface

66

00:02:47,589 --> 00:02:45,519

the smallest of the three is only forty

67

00:02:50,309 --> 00:02:47,599

percent larger than earth and most

68

00:02:53,270 --> 00:02:50,319

likely rocky in composition two of the

69

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

planets orbit a star known as kepler-62

70

00:02:58,949 --> 00:02:56,239

located 360 light years from earth

71

00:03:01,589 --> 00:02:58,959

the other revolves around kepler-69

72

00:03:04,470 --> 00:03:01,599

which is approximately 2 700 light years

73

00:03:06,550 --> 00:03:04,480

away

74

00:03:08,710 --> 00:03:06,560

aboard the international space station a

75

00:03:11,589 --> 00:03:08,720

spacewalk by russian flight engineers

76  
00:03:13,589 --> 00:03:11,599  
pavel vinogradov and roman romanenko to

77  
00:03:15,910 --> 00:03:13,599  
deploy and retrieve several science

78  
00:03:18,070 --> 00:03:15,920  
experiments and install a new

79  
00:03:19,030 --> 00:03:18,080  
navigational aid on the zvezda service

80  
00:03:21,190 --> 00:03:19,040  
module

81  
00:03:23,030 --> 00:03:21,200  
the retro reflector device will provide

82  
00:03:25,270 --> 00:03:23,040  
docking assistance for the arrival of

83  
00:03:27,830 --> 00:03:25,280  
the european space agency's albert

84  
00:03:30,869 --> 00:03:27,840  
einstein automated transfer vehicle for

85  
00:03:33,509 --> 00:03:30,879  
cargo ship in june the spacewalk the

86  
00:03:35,750 --> 00:03:33,519  
160c in support of space station

87  
00:03:37,589 --> 00:03:35,760  
assembly and maintenance is the seventh

88  
00:03:41,110 --> 00:03:37,599

for vinogradov and the first for

89

00:03:44,710 --> 00:03:42,789

teams of high school and college

90

00:03:47,430 --> 00:03:44,720

students are geared up for the 20th

91

00:03:50,470 --> 00:03:47,440

annual great moon buggy race april 25th

92

00:03:52,149 --> 00:03:50,480

through 27th at the u.s space and rocket

93

00:03:53,750 --> 00:03:52,159

center in huntsville

94

00:03:56,149 --> 00:03:53,760

hosted by the marshall space flight

95

00:03:58,550 --> 00:03:56,159

center the event encourages young people

96

00:04:01,509 --> 00:03:58,560

to develop and use skills in science

97

00:04:03,589 --> 00:04:01,519

technology engineering and math to build

98

00:04:04,789 --> 00:04:03,599

and race lightweight human-powered

99

00:04:06,789 --> 00:04:04,799

buggies

100

00:04:09,429 --> 00:04:06,799

nasa hopes these students will pursue

101  
00:04:14,390 --> 00:04:09,439  
careers in stem fields to benefit the

102  
00:04:19,430 --> 00:04:16,469  
nasa's hubble space telescope celebrated

103  
00:04:22,390 --> 00:04:19,440  
its 23rd anniversary by once again

104  
00:04:24,310 --> 00:04:22,400  
focusing on the iconic horsehead nebula

105  
00:04:26,790 --> 00:04:24,320  
but this time with the infrared eyes of

106  
00:04:29,430 --> 00:04:26,800  
its wide field camera 3.

107  
00:04:31,749 --> 00:04:29,440  
imaging the nebula in infrared revealed

108  
00:04:32,710 --> 00:04:31,759  
features previously hidden by gas and

109  
00:04:35,030 --> 00:04:32,720  
dust

110  
00:04:37,110 --> 00:04:35,040  
about 1500 light years away the

111  
00:04:39,030 --> 00:04:37,120  
horsehead lies in one of the closest and

112  
00:04:41,670 --> 00:04:39,040  
most commonly photographed regions of

113  
00:04:43,749 --> 00:04:41,680

space where stars are actively forming

114

00:04:46,230 --> 00:04:43,759

the image is a preview of the infrared

115

00:04:48,710 --> 00:04:46,240

output expected from hubble's successor

116

00:04:54,310 --> 00:04:48,720

the james webb space telescope set to

117

00:04:59,670 --> 00:04:57,830

12 years ago on april 19 2001 space

118

00:05:02,390 --> 00:04:59,680

shuttle endeavour launched from kennedy

119

00:05:04,469 --> 00:05:02,400

space center on sts-100

120

00:05:06,550 --> 00:05:04,479

to deliver canon arm 2 to the

121

00:05:08,870 --> 00:05:06,560

international space station

122

00:05:11,270 --> 00:05:08,880

used to lift and move hardware and space

123

00:05:14,230 --> 00:05:11,280

spacewalking astronauts the canadian

124

00:05:16,150 --> 00:05:14,240

built robotic arm a longer more capable

125

00:05:17,909 --> 00:05:16,160

version of the shuttle's robot

126

00:05:20,390 --> 00:05:17,919

played a critical role in completing

127

00:05:22,550 --> 00:05:20,400

assembly of the space station

128

00:05:27,510 --> 00:05:22,560

also delivered supplies to the station

129

00:05:31,590 --> 00:05:29,830

and that's this week at nasa for more on

130

00:05:34,629 --> 00:05:31,600

these and other stories or to follow us

131

00:05:37,110 --> 00:05:34,639

on flickr ustream and other social media