
TW@N
THIS WEEK @ NASA

1
00:00:04,550 --> 00:00:02,070
launching a new earth observing

2
00:00:06,869 --> 00:00:04,560
satellite things continue to line up for

3
00:00:09,589 --> 00:00:06,879
the james webb space telescope and

4
00:00:11,270 --> 00:00:09,599
imagining the future of aviation a few

5
00:00:13,190 --> 00:00:11,280
of the stories to tell you about this

6
00:00:16,230 --> 00:00:13,200
week at nasa

7
00:00:18,630 --> 00:00:16,240
liftoff of noaa's goes team our newest

8
00:00:21,029 --> 00:00:18,640
weather center in the sky to help keep

9
00:00:23,109 --> 00:00:21,039
us safe here on the ground on march

10
00:00:25,509 --> 00:00:23,119
first we supported the launch of noaa's

11
00:00:27,830 --> 00:00:25,519
goes-t satellite from cape canaveral

12
00:00:30,109 --> 00:00:27,840
space force station in florida

13
00:00:32,709 --> 00:00:30,119

goes-t is the third satellite in the

14
00:00:35,510 --> 00:00:32,719
geostationary operational environmental

15
00:00:37,910 --> 00:00:35,520
satellites or goes-r series

16
00:00:40,709 --> 00:00:37,920
it will eventually be renamed and placed

17
00:00:42,549 --> 00:00:40,719
into operation as goes west to provide

18
00:00:44,549 --> 00:00:42,559
continuous coverage of weather and

19
00:00:47,430 --> 00:00:44,559
severe environmental conditions in the

20
00:00:49,590 --> 00:00:47,440
western hemisphere the goes program also

21
00:00:51,910 --> 00:00:49,600
predicts space weather near earth that

22
00:00:54,869 --> 00:00:51,920
can interfere with satellite electronics

23
00:00:56,869 --> 00:00:54,879
gps and radio communications

24
00:00:58,630 --> 00:00:56,879
the james webb space telescope team

25
00:01:00,869 --> 00:00:58,640
continues to work through the various

26
00:01:03,349 --> 00:01:00,879
phases of mirror alignment needed to

27
00:01:05,670 --> 00:01:03,359
perfect the observatory's focus

28
00:01:08,469 --> 00:01:05,680
the team recently completed the segment

29
00:01:10,630 --> 00:01:08,479
alignment and image stacking phases

30
00:01:13,190 --> 00:01:10,640
during these phases they first moved

31
00:01:15,270 --> 00:01:13,200
webs mirror segments so that 18

32
00:01:17,910 --> 00:01:15,280
scattered dots of starlight reflected

33
00:01:20,550 --> 00:01:17,920
from the same star were rearranged into

34
00:01:22,870 --> 00:01:20,560
webb's signature hexagonal shape the

35
00:01:25,030 --> 00:01:22,880
focused dots were then stacked on top of

36
00:01:26,789 --> 00:01:25,040
each other delivering the photons of

37
00:01:29,350 --> 00:01:26,799
light from each mirror segment to the

38
00:01:31,030 --> 00:01:29,360

same location on the sensor of wamp's

39
00:01:32,950 --> 00:01:31,040
near cam instrument

40
00:01:34,710 --> 00:01:32,960
in the coming weeks the team will work

41
00:01:37,749 --> 00:01:34,720
to make the single dot of starlight

42
00:01:39,990 --> 00:01:37,759
progressively sharper and more focused

43
00:01:42,469 --> 00:01:40,000
on march 1st through the third we hosted

44
00:01:44,630 --> 00:01:42,479
imagine aviation a virtual event that

45
00:01:47,190 --> 00:01:44,640
showcased the future transformation of

46
00:01:49,670 --> 00:01:47,200
aviation the three-day event featured

47
00:01:51,990 --> 00:01:49,680
our deputy administrator pam melroy and

48
00:01:54,710 --> 00:01:52,000
others discussing nasa's efforts to

49
00:01:56,630 --> 00:01:54,720
improve the sustainability of aviation

50
00:01:58,550 --> 00:01:56,640
while contributing to the biden-harris

51
00:02:00,630 --> 00:01:58,560
administration's efforts to tackle

52
00:02:02,630 --> 00:02:00,640
climate change it was also an

53
00:02:04,550 --> 00:02:02,640
opportunity for participants to learn

54
00:02:07,350 --> 00:02:04,560
how nasa aeronautics projects and

55
00:02:09,350 --> 00:02:07,360
technologies are building a safer flying

56
00:02:11,270 --> 00:02:09,360
experience for all

57
00:02:13,110 --> 00:02:11,280
inside the vehicle assembly building and

58
00:02:15,190 --> 00:02:13,120
our kennedy space center teams have

59
00:02:17,510 --> 00:02:15,200
retracted the first of the 20 work

60
00:02:18,710 --> 00:02:17,520
platforms surrounding our artemis one

61
00:02:21,110 --> 00:02:18,720
moon rocket

62
00:02:23,110 --> 00:02:21,120
the platforms which enable crews to work

63
00:02:25,589 --> 00:02:23,120

on the space launch system rocket and

64
00:02:27,430 --> 00:02:25,599
orion spacecraft have been moved in

65
00:02:29,910 --> 00:02:27,440
anticipation of rolling out the

66
00:02:31,750 --> 00:02:29,920
integrated spacecraft to the launch pad

67
00:02:33,430 --> 00:02:31,760
ahead of the uncrewed artemis one

68
00:02:35,509 --> 00:02:33,440
mission around the moon

69
00:02:37,910 --> 00:02:35,519
the four mile trek to the launch pad is

70
00:02:40,949 --> 00:02:37,920
currently targeted to begin on march

71
00:02:42,710 --> 00:02:40,959
17th that's what's up this week at nasa

72
00:02:49,290 --> 00:02:42,720
for more on these and other stories