
TW@N
THIS WEEK @ NASA

1
00:00:00,967 --> 00:00:03,937
The historic launch of our Artemis
I flight test …

2
00:00:04,337 --> 00:00:06,806
A powerwalk outside the space station …

3
00:00:06,806 --> 00:00:09,109
And the beginnings of a new star …

4
00:00:09,109 --> 00:00:12,445
a few of the stories
to tell you about – This Week at NASA!

5
00:00:13,947 --> 00:00:14,981
And here we go ...

6
00:00:14,981 --> 00:00:19,119
On Nov. 16, NASA’s Space Launch System
rocket and Orion

7
00:00:19,119 --> 00:00:23,256
spacecraft lit up the night sky
at the Kennedy Space Center, to mark

8
00:00:23,256 --> 00:00:26,292
the start of our historic Artemis
I flight test.

9
00:00:26,292 --> 00:00:28,328
And liftoff of Artemis I!

10
00:00:28,762 --> 00:00:30,296
We rise together.

11
00:00:30,296 --> 00:00:32,499
Back to the Moon and beyond!

12

00:00:33,500 --> 00:00:37,670
The planned 25-and-a-half-day
mission calls for the uncrewed Orion

13
00:00:37,670 --> 00:00:42,409
to go about 40,000 miles
beyond the Moon before returning to Earth.

14
00:00:42,876 --> 00:00:45,612
The mission will also test all systems
before

15
00:00:45,612 --> 00:00:48,281
flying astronauts on future Artemis
missions.

16
00:00:48,948 --> 00:00:55,055
On Nov. 15, NASA astronauts Josh Cassada and Frank
Rubio conducted a spacewalk

17
00:00:55,288 --> 00:00:59,159
to prepare the International Space Station
for some new solar arrays

18
00:00:59,426 --> 00:01:03,063
that could help the station generate
about 30 percent more power.

19
00:01:03,763 --> 00:01:08,535
This new Webb Space Telescope image shows
once-hidden features of a protostar

20
00:01:08,668 --> 00:01:12,005
within an hourglass-shaped
cloud of gas and dust.

21
00:01:12,505 --> 00:01:16,342
The image is providing insight
into the beginnings of a new star.

22

00:01:17,143 --> 00:01:22,215
NASA’s quiet supersonic X-59
now has the engine that will power it

23
00:01:22,515 --> 00:01:25,685
after assembly of the experimental
aircraft is complete.

24
00:01:26,286 --> 00:01:30,723
The engine will propel the X-59
to speeds up to Mach 1.4

25
00:01:30,957 --> 00:01:33,560
and altitudes up to about 55,000 feet.

26
00:01:34,060 --> 00:01:36,229
That’s what’s up this week @NASA …