
TW@N
THIS WEEK @ NASA

1
00:00:00,000 --> 00:00:03,737
The Artemis II Moon mission
crew visits D.C.

2
00:00:03,737 --> 00:00:06,873
Another partner to land
humans on the Moon.

3
00:00:06,873 --> 00:00:10,176
And preparing to get to
the heart of “cosmic matter.”

4
00:00:10,176 --> 00:00:13,747
A few of the stories to tell you about.
This Week at NASA!

5
00:00:14,447 --> 00:00:18,918
The Artemis II astronauts were in the
Washington, D.C. area May 17

6
00:00:18,918 --> 00:00:22,555
through May 19 to discuss their
upcoming Moon mission.

7
00:00:22,555 --> 00:00:29,863
NASA’s Reid Wiseman, Victor Glover, and
Christina Hammock Koch, and the
Canadian Space Agency’s Jeremy Hansen

8
00:00:29,863 --> 00:00:36,669
met with members of Congress, officials
at the Canadian Embassy, and
participated in other activities.

9
00:00:36,669 --> 00:00:42,842
Artemis II will be the first mission to
fly astronauts to the Moon
in more than 50 years.

10
00:00:43,676 --> 00:00:49,249

On May 19, we selected Blue Origin to
develop a sustainable human landing system

11
00:00:49,249 --> 00:00:51,418
for the Artemis V Moon mission.

12
00:00:51,418 --> 00:00:55,989
The human landing system will transport
astronauts to and from the lunar surface

13
00:00:55,989 --> 00:01:00,260
and Gateway in lunar orbit as part of
NASA’s return to the Moon

14
00:01:00,260 --> 00:01:03,263
for science, exploration, and inspiration.

15
00:01:03,263 --> 00:01:09,736
The agency already is working with SpaceX
to develop landers for the Artemis III
and Artemis IV missions.

16
00:01:10,537 --> 00:01:16,476
The Focal Plane System, or FPS, the heart
of our Nancy Grace Roman Space Telescope,

17
00:01:16,476 --> 00:01:20,847
was recently delivered to Ball Aerospace
in Colorado to be integrated into

18
00:01:20,847 --> 00:01:26,553
the telescope’s primary instrument –
a giant camera called
the Wide Field Instrument.

19
00:01:26,553 --> 00:01:31,858
Roman, which is targeted for launch by
May 2027, will help unravel the secrets

20
00:01:31,858 --> 00:01:35,462

of dark energy and dark matter,
look for exoplanets,

21
00:01:35,462 --> 00:01:39,165
and carry out other infrared
investigations of the cosmos.

22
00:01:39,966 --> 00:01:43,269
Researchers have used our
James Webb Space Telescope

23
00:01:43,269 --> 00:01:51,478
to confirm water vapor around a comet in
the main asteroid belt – a rare so-called
main belt comet – for the first time.

24
00:01:51,478 --> 00:01:57,050
This finding indicates water ice from the
ancient solar system can be preserved in
that region of space,

25
00:01:57,050 --> 00:02:01,454
which is closer to the Sun than where most
comets are typically located.

26
00:02:01,454 --> 00:02:05,358
Now, researchers will try to figure out
why, unlike other comets,

27
00:02:05,358 --> 00:02:09,229
this one had no detectable carbon dioxide.

28
00:02:09,229 --> 00:02:11,231
That’s what’s up this week @NASA.