

1
00:00:00,000 --> 00:00:03,069
Another partner for space exploration.

2
00:00:03,069 --> 00:00:05,739
A Mars experience right here on Earth.

3
00:00:05,739 --> 00:00:09,142
And a promising find
outside our solar system.

4
00:00:09,142 --> 00:00:12,812
A few of the stories to tell you about
This Week at NASA!

5
00:00:13,580 --> 00:00:19,386
On May 3, the Czech Republic became the
24th country to sign the Artemis Accords.

6
00:00:19,386 --> 00:00:23,156
NASA Administrator Bill Nelson and the
Czech Republic's foreign minister,

7
00:00:23,156 --> 00:00:28,328
Jan Lipavský, participated in the signing
ceremony at NASA Headquarters.

8
00:00:28,328 --> 00:00:31,831
The Artemis Accords establish a
practical set of principles

9
00:00:31,831 --> 00:00:35,769
to guide space exploration cooperation
among nations,

10
00:00:35,769 --> 00:00:39,439
including those participating
in our Artemis program.

11
00:00:40,306 --> 00:00:45,812

NASA's Crew Health and Performance
Exploration Analog, or CHAPEA habitat

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00:00:45,812 --> 00:00:48,581

is complete and ready for crew members.

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00:00:48,581 --> 00:00:52,085

The 3D-printed habitat, at our
Johnson Space Center,

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00:00:52,085 --> 00:00:55,889

was built to provide a Mars-like
environment here on Earth.

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00:00:55,889 --> 00:01:00,260

This summer, several volunteers will start
a yearlong analog mission

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00:01:00,260 --> 00:01:04,197

to help us prepare for future
human exploration of Mars.

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00:01:04,197 --> 00:01:08,735

Learn more about analog missions
at nasa.gov/analogs.

18

00:01:09,502 --> 00:01:13,440

Our James Webb Space Telescope
detected hints of water vapor

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00:01:13,440 --> 00:01:16,476

while observing GJ 486 b,

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00:01:16,476 --> 00:01:21,047

an extremely hot rocky exoplanet that is
too close to its star

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00:01:21,047 --> 00:01:23,483

to potentially have liquid water.

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00:01:23,483 --> 00:01:28,888

But astronomers don't know yet if the water vapor is associated with the planet or its sun.

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00:01:28,888 --> 00:01:32,892

If it is the former, that would indicate the planet has an atmosphere.

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00:01:32,892 --> 00:01:36,362

To date, there has been no definite detection of an atmosphere

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00:01:36,362 --> 00:01:39,899

around a rocky planet outside our solar system.

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00:01:40,633 --> 00:01:45,105

We celebrated Black Hole Week with new animations, educational resources,

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00:01:45,105 --> 00:01:49,676

and other fun and informative material about black holes and their significance

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00:01:49,676 --> 00:01:51,744

in the field of astrophysics.

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00:01:51,744 --> 00:01:56,583

A black hole is an astronomical object with such a strong gravitational pull

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00:01:56,583 --> 00:01:58,918

that not even light can escape from it.

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00:01:58,918 --> 00:02:03,056

Learn more at nasa.gov/black-holes.