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THIS WEEK @ NASA

1

00:00:00,467 --> 00:00:02,736

The next crew heads to the space station...

2

00:00:03,203 --> 00:00:05,872

navigating the lunar landscape...

3

00:00:05,872 --> 00:00:08,008

and a view to look forward to.

4

00:00:08,008 --> 00:00:13,046

A few of the stories
to tell you about this week at NASA.

5

00:00:13,413 --> 00:00:16,816

A SpaceX Dragon spacecraft
launched to the International Space Station

6

00:00:16,816 --> 00:00:19,919

on March 2nd on our SpaceX Crew-6 mission.

7

00:00:20,387 --> 00:00:24,357

The crew, including NASA astronauts
Stephen Bowen and Woody Hoburg,

8

00:00:24,657 --> 00:00:26,493

will conduct research and technology

9

00:00:26,493 --> 00:00:30,697

demonstrations on the space station
to benefit life on Earth and future

10

00:00:30,697 --> 00:00:34,801

Artemis human exploration missions to the Moon and eventually to Mars.

11

00:00:36,336 --> 00:00:45,412

In 2024, a Firefly Aerospace lunar lander will deliver a payload to the Moon called the Lunar GNSS Receiver E

12

00:00:45,412 --> 00:00:48,882

The payload is expected to receive signals from two satellite

13

00:00:48,882 --> 00:00:52,185

constellations orbiting Earth and obtain the first ever

14

00:00:52,218 --> 00:00:56,022

global navigation satellite systems fixed on the lunar surface.

15

00:00:56,456 --> 00:00:58,058

This technology could help provide

16

00:00:58,058 --> 00:01:01,861

precise navigation for future exploration missions on the Moon.

17

00:01:02,929 --> 00:01:06,699

A new simulation shows how our Nancy Grace Roman Space Telescope's

18

00:01:06,699 --> 00:01:10,670

wide field of view will help unveil the universe.

19

00:01:11,137 --> 00:01:14,207

The simulation compares several regions of the image,

20

00:01:14,307 --> 00:01:18,812

depicting the Hubble Space Telescope's field of view, with the full zoomed-out

21

00:01:18,812 --> 00:01:22,782

image – which represents how much more Roman is capable of surveying.

22

00:01:23,216 --> 00:01:28,321

The Roman Space Telescope is targeted for launch by May 2027.

23

00:01:29,022 --> 00:01:31,691

The NASA's Aeronautics "Dream with Us
Design Challenge"

24

00:01:31,691 --> 00:01:34,928

is an opportunity
for middle and high school students

25

00:01:34,928 --> 00:01:37,831

to share their visions
for the future of aviation.

26

00:01:38,198 --> 00:01:41,568

Student teams are being asked to develop
and present plans

27

00:01:41,701 --> 00:01:44,304

for a more sustainable
commercial aircraft.

28

00:01:44,671 --> 00:01:47,107

The deadline for submissions is May 15th.

29

00:01:47,407 --> 00:01:53,847

For more details, visit
go.nasa.gov/aero-dream.

30

00:01:55,248 --> 00:01:57,450

That's what's up this week at NASA.