



TW@N

THIS WEEK @ NASA

1

00:00:00,700 --> 00:00:03,370

The first mission to the Trojan asteroids ...

2

00:00:03,370 --> 00:00:06,573

A prelaunch milestone for our Artemis I mission ...

3

00:00:06,573 --> 00:00:09,309

And highlighting a few of our NASA centers ...

4

00:00:09,309 --> 00:00:12,479

a few of the stories to tell you about – This Week at NASA!

5

00:00:14,144 --> 00:00:15,415

We have engine ignition

6

00:00:15,415 --> 00:00:16,501

Release.

7

00:00:16,966 --> 00:00:18,733

Engine at full thrust.

8

00:00:19,085 --> 00:00:23,056

On October 16th, we launched our Lucy spacecraft from Cape Canaveral Space Force

9

00:00:23,056 --> 00:00:24,691

Station, in Florida.

10

00:00:24,691 --> 00:00:27,894

Lucy is the first space mission
to the Trojan asteroids,

11

00:00:28,061 --> 00:00:32,432

a diverse population of small bodies
believed to be remnants of our early

12

00:00:32,432 --> 00:00:36,102

solar system, that are trapped
in a stable orbit with Jupiter.

13

00:00:36,569 --> 00:00:39,806

The mission could help revolutionize
what we know about the origins

14

00:00:39,806 --> 00:00:42,876

and formation of our solar system
and its planets.

15

00:00:43,209 --> 00:00:46,646

Learn more about the mission
at: nasa.gov/lucy.

16

00:00:46,646 --> 00:00:51,351

Teams working inside the Vehicle Assembly
Building at our Kennedy Space Center

17

00:00:51,351 --> 00:00:55,255

added the Orion spacecraft's stage
adapter to the top of the Space

18

00:00:55,255 --> 00:00:59,793

Launch System or SLS rocket
for our upcoming Artemis I mission.

19

00:01:00,226 --> 00:01:02,829

They will add Orion
and its launch abort system

20

00:01:02,829 --> 00:01:06,299

on top of the stage
adapter to complete the Artemis I stack.

21

00:01:06,733 --> 00:01:10,203

Artemis I will be the first flight test
around the Moon of the SLS

22

00:01:10,203 --> 00:01:13,339

rocket And Orion spacecraft
as an integrated system.

23

00:01:14,274 --> 00:01:17,544

Our Administrator Bill Nelson
and Deputy Administrator

24

00:01:17,544 --> 00:01:21,081

Pam Melroy recently
visited NASA centers in California.

25

00:01:21,481 --> 00:01:24,117

They toured our Ames
Research Center on Oct. 12

26

00:01:24,117 --> 00:01:29,122

to hear about climate-related research
– including wildfire prevention

27

00:01:29,122 --> 00:01:33,059

and reduction of emissions with the use of
air traffic management tools.

28

00:01:33,560 --> 00:01:37,464

The next day at our Armstrong Flight
Research Center they participated

29

00:01:37,464 --> 00:01:41,034

in activities to celebrate the center's
75th anniversary –

30

00:01:41,201 --> 00:01:44,571

including the opening
of a 25-year-old time capsule.

31

00:01:44,971 --> 00:01:46,639

Finally, on Oct. 14,

32

00:01:46,639 --> 00:01:50,543

they stopped by our Jet Propulsion
Laboratory for a climate summit

33

00:01:50,543 --> 00:01:52,011

with elected officials.

34

00:01:52,011 --> 00:01:55,782

While there, they also were updated
on plans for our Perseverance

35

00:01:55,782 --> 00:01:58,952

rover and Ingenuity helicopter on Mars.

36

00:01:58,952 --> 00:02:02,722

NASA's James Webb Space Telescope
successfully arrived

37

00:02:02,722 --> 00:02:06,793

in French Guiana on October 12th
after a 16 day journey at sea.

38

00:02:07,360 --> 00:02:10,363

After Webb is driven
to its launch site in Koru,

39

00:02:10,530 --> 00:02:13,666

it will be prepped for its targeted
December 18th launch.

40

00:02:14,100 --> 00:02:17,470

From its vantage point in space,
about one million miles from Earth,

41

00:02:17,737 --> 00:02:21,407

the world's largest and most complex
space science observatory

42

00:02:21,608 --> 00:02:24,677

is expected to capture
images of the early universe

43

00:02:24,911 --> 00:02:28,581

that will transform our understanding
of our place in the cosmos.

44

00:02:29,015 --> 00:02:33,199

Learn more about the mission
at nasa.gov/webb.

45

00:02:33,376 --> 00:02:39,334

Officials from NASA and other industry leaders gathered in Huntsville, Alabama Oct. 12-14

46

00:02:39,334 --> 00:02:42,962

for the 14th annual
Wernher von Braun Memorial Symposium.

47

00:02:43,530 --> 00:02:46,733

This year's theme was, "United:
A Foundation Delivered,

48

00:02:46,733 --> 00:02:49,669

The Future Enabled."
The event featured discussion

49

00:02:49,669 --> 00:02:53,339

about the space science and exploration
progress made to date,

50

00:02:53,606 --> 00:02:57,143

as well as the plans and goals
for future space endeavors.

51

00:02:57,911 --> 00:02:59,779

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