1
00:00:00,199 --> 00:00:04,240
Counting down to the return of human spaceflight
from Florida …

2
00:00:04,240 --> 00:00:07,769
A successful space station resupply mission
…

3
00:00:07,769 --> 00:00:12,940
And a virtual tool to help develop lunar landers
… a few of the stories to tell you about

4
00:00:12,940 --> 00:00:15,250
- This Week at NASA!

5
00:00:15,250 --> 00:00:20,610
We recently conducted a full launch to docking
simulation with SpaceX in preparation for

6
00:00:20,610 --> 00:00:25,700
the upcoming flight to the International Space
Station of our Doug Hurley and Bob Behnken

7
00:00:25,700 --> 00:00:28,590
aboard the company's Crew Dragon spacecraft.

8
00:00:28,590 --> 00:00:33,690
The mission, known as Demo-2, will mark the
first launch of NASA astronauts from America

9
00:00:33,690 --> 00:00:36,520
since we retired the space shuttle.

10
00:00:36,520 --> 00:00:41,470
NASA and SpaceX are targeting May 27 for the
launch of the mission, from historic Launch

11
00:00:41,470 --> 00:00:46,000
Complex 39A at our Kennedy Space Center in

Florida.

12
00:00:46,000 --> 00:00:51,280
On May 11 Northrop Grumman's unpiloted Cygnus
cargo spacecraft left the International Space

13
00:00:51,280 --> 00:00:57,110
Station - nearly three months after delivering
about 7,500 pounds of supplies and scientific

14
00:00:57,110 --> 00:01:03,420
experiments to support dozens of new and existing
investigations on the orbital outpost.

15
00:01:03,420 --> 00:01:07,200
This was Northrop Grumman's 13th cargo flight
to the space station.

16
00:01:07,200 --> 00:01:12,119
A new simulator called the Lunar Flight Deck
at our Langley Research Center in Hampton,

17
00:01:12,119 --> 00:01:17,569
Virginia is being used to help develop the
Human Landing System for our Artemis program

18
00:01:17,569 --> 00:01:21,679
that will land the first woman and the next
man on the Moon.

19
00:01:21,679 --> 00:01:27,179
Astronauts brought in to "fly" detailed simulations
with various lunar landers provide feedback

20
00:01:27,179 --> 00:01:31,810
that helps researchers advance the technologies
used in the cockpits.

21
00:01:31,810 --> 00:01:36,549
The Lunar Flight Deck can also be reconfigured

to help analyze landing human missions on

22
00:01:36,549 --> 00:01:37,759
Mars.

23
00:01:37,759 --> 00:01:43,959
Natural disasters, like wildfires and hurricanes,
can lead to many lives lost and billions of

24
00:01:43,959 --> 00:01:45,829
dollars in costs.

25
00:01:45,829 --> 00:01:51,249
But a new project called Scalable Traffic
Management for Emergency Response Operations,

26
00:01:51,249 --> 00:01:57,069
or STEReO is looking at how drones might be
used to help emergency responders more safely

27
00:01:57,069 --> 00:01:59,770
and efficiently carry out operations.

28
00:01:59,770 --> 00:02:05,669
While STEReO is led by our Ames Research Center
in California's Silicon Valley, other federal,

29
00:02:05,669 --> 00:02:10,580
state and local government agencies, first
responders, and private companies are also

30
00:02:10,580 --> 00:02:12,739
involved in the project.

31
00:02:12,739 --> 00:02:14,730
That's what's up this week @NASA …