TW@N

THIS WEEK @ NASA

1
00:00:00,000 --> 00:00:04,137
A spacecraft changes parking
spots at the Space Station.

2
00:00:04,137 --> 00:00:07,807
A surprising look at a star
in another solar system.

3
00:00:07,807 --> 00:00:12,178
And small satellites that could be
a big help tracking tropical storms.

4
00:00:12,178 --> 00:00:15,982
A few of the stories to tell you
about This Week at NASA!

5
00:00:16,783 --> 00:00:21,788
On May 6, the International Space
Station’s Expedition 69 crew members

6
00:00:21,788 --> 00:00:26,226
who flew to the station as part of our
SpaceX Crew-6 mission,

7
00:00:26,226 --> 00:00:29,462
relocated their SpaceX Dragon spacecraft.

8
00:00:29,462 --> 00:00:34,067
The crew, including NASA’s Steve Bowen and
Woody Hoburg, moved the Dragon

9
00:00:34,067 --> 00:00:38,171
to another docking port on the station’s
Harmony module to make room

10
00:00:38,171 --> 00:00:42,542
for an uncrewed SpaceX Dragon cargo
spacecraft targeted to launch

11

00:00:42,542 --> 00:00:44,444
to the station in June.

12
00:00:45,245 --> 00:00:49,616
This image of the dusty debris disk around
the young star, Fomalhaut

13
00:00:49,616 --> 00:00:54,287
was captured by our James Webb
Space Telescope while studying the first

14
00:00:54,287 --> 00:00:59,225
asteroid belt ever seen outside of our
solar system in infrared light.

15
00:00:59,225 --> 00:01:02,829
To the surprise of astronomers, the
dusty structures, which contain

16
00:01:02,829 --> 00:01:06,566
three nested belts – including the
never-before-seen inner belts,

17
00:01:06,566 --> 00:01:10,203
are much more complex than the asteroid
and Kuiper dust belts

18
00:01:10,203 --> 00:01:12,238
of our own solar system.

19
00:01:13,073 --> 00:01:18,211
On May 8, the first pair of NASA's TROPICS
CubeSats launched aboard an Electron

20
00:01:18,211 --> 00:01:22,415
rocket from Rocket Lab's Launch
Complex 1 in New Zealand.

21
00:01:22,415 --> 00:01:26,486
The mission will use a constellation of

four of the identical small satellites

22
00:01:26,486 --> 00:01:30,490
to fly in a unique, inclined low Earth
orbit that will enable them

23
00:01:30,490 --> 00:01:33,893
to observe tropical cyclones more
frequently than current

24
00:01:33,893 --> 00:01:35,829
weather tracking satellites.

25
00:01:36,629 --> 00:01:40,667
Congratulations to former astronauts
Roy D. Bridges Jr.,

26
00:01:40,667 --> 00:01:42,902
and Senator Mark E. Kelly.

27
00:01:42,902 --> 00:01:47,140
They are the newest inductees to the
U.S. Astronaut Hall of Fame.

28
00:01:47,140 --> 00:01:52,745
They were inducted as the Hall of Fame's
class of 2023 during a May 6 ceremony

29
00:01:52,745 --> 00:01:55,815
at the Kennedy Space Center
Visitor Complex.