



1
00:00:00,749 --> 00:00:03,200
Firing up a rocket booster for Artemis ...

2
00:00:03,200 --> 00:00:04,500
Looking for new flight directors ...

3
00:00:04,500 --> 00:00:09,030
And a launch date for an Earth-observing mission
... a few of the stories to tell you about

4
00:00:09,030 --> 00:00:12,290
– This Week at NASA!

5
00:00:12,290 --> 00:00:16,970
On Sept. 2, we conducted a full-scale test
of a solid rocket booster like the pair that

6
00:00:16,970 --> 00:00:22,820
will help power our Space Launch System or
SLS rocket and Orion spacecraft on Artemis

7
00:00:22,820 --> 00:00:24,410
missions to the Moon.

8
00:00:24,410 --> 00:00:29,430
The two boosters will provide more than 75%
of the thrust produced during the first two

9
00:00:29,430 --> 00:00:32,520
minutes of an Artemis launch.

10
00:00:32,520 --> 00:00:36,660
NASA is accepting applications for new flight
directors to lead highly trained teams during

11
00:00:36,660 --> 00:00:40,370
human missions to the International Space
Station and the Moon.

12

00:00:40,370 --> 00:00:44,310

Qualified U.S. citizens can apply through
Sept. 10.

13

00:00:44,310 --> 00:00:46,039

More details at nasa.gov/careers.

14

00:00:46,039 --> 00:00:52,739

The launch of the Sentinel-6 Michael Freilich
Earth-observing satellite is targeted for

15

00:00:52,739 --> 00:00:56,760

Nov. 10 from California's Vandenberg Air
Force Base.

16

00:00:56,760 --> 00:01:01,449

This partnership between NASA and the European
Space Agency will continue a decades-long

17

00:01:01,449 --> 00:01:06,150

global record of observing sea level rise
from space.

18

00:01:06,150 --> 00:01:10,990

The largest-ever study of glacial lakes used
30 years of NASA satellite data to find that

19

00:01:10,990 --> 00:01:17,580

the volume of these lakes worldwide has increased
by about 50% since 1990, as glaciers melt

20

00:01:17,580 --> 00:01:19,930

and retreat due to climate change.

21

00:01:19,930 --> 00:01:24,460

The findings could help us determine hazards
to communities downstream of these lakes,

22

00:01:24,460 --> 00:01:29,350

more accurately estimate sea level rise, and better understand how glacial meltwater is

23

00:01:29,350 --> 00:01:32,150

transported to oceans.

24

00:01:32,150 --> 00:01:37,229

After being suspended in mid-March due to COVID-19, the SOFIA flying observatory is

25

00:01:37,229 --> 00:01:39,360

back to science operations.

26

00:01:39,360 --> 00:01:43,760

With new procedures in place to ensure the safety and health of those onboard, the project

27

00:01:43,760 --> 00:01:48,820

plans to resume its regular schedule of about four observational flights each week to study

28

00:01:48,820 --> 00:01:51,759

the chemistry of galaxies.

29

00:01:51,759 --> 00:01:57,210

Results from a pair of NASA research projects being flown as part of Boeing's 2020 ecoDemonstrator

30

00:01:57,210 --> 00:02:02,610

program could help the ongoing effort to develop technology for quieter, more fuel efficient

31

00:02:02,610 --> 00:02:06,430

future aircraft, as well as fewer operational flight delays.

32

00:02:06,430 --> 00:02:08,789

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