



1

00:00:00,810 --> 00:00:05,140

“Here’s some of the stories trending This Week at NASA!”

2

00:00:05,140 --> 00:00:11,620

On July 10, our Juno spacecraft completed its 7th perijove – or close flyby of Jupiter.

3

00:00:11,620 --> 00:00:16,820

It flew directly over the planet’s iconic Great Red Spot – about 5,600 miles above

4

00:00:16,820 --> 00:00:17,820

it.

5

00:00:17,820 --> 00:00:22,499

All of the spacecraft’s science instruments, and its JunoCam imager were active – providing

6

00:00:22,499 --> 00:00:28,009

the first up-close look at the ten-thousand-mile-wide storm that has intrigued humans for hundreds

7

00:00:28,009 --> 00:00:29,009

of years.

8

00:00:29,009 --> 00:00:34,150

Juno’s next close flyby of Jupiter will occur on Sept. 1.

9

00:00:34,150 --> 00:00:39,930

A new flyover video was released to celebrate the two-year anniversary of our New Horizons

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00:00:39,930 --> 00:00:45,430

spacecraft’s flyby of Pluto, which happened July 14, 2015.

11

00:00:45,430 --> 00:00:52,440

Meanwhile, on July 10 our SOFIA aircraft used its 100-inch telescope to probe the space

12
00:00:52,440 --> 00:00:59,110
around 2014 MU69 as the small Kuiper Belt object occulted – or passed in front of

13
00:00:59,110 --> 00:01:00,360
a star.

14
00:01:00,360 --> 00:01:05,309
The event provided an opportunity to look for debris that might pose a risk when New

15
00:01:05,309 --> 00:01:10,750
Horizons flies by on Jan. 1, 2019.

16
00:01:10,750 --> 00:01:15,140
During the week of July 10, we teamed with military personnel in the waters off the coast

17
00:01:15,140 --> 00:01:21,689
of Galveston, Texas to evaluate various techniques astronauts will use to safely exit our Orion

18
00:01:21,689 --> 00:01:26,770
spacecraft after it returns from deep space missions and splashes down in the Pacific

19
00:01:26,770 --> 00:01:27,770
Ocean.

20
00:01:27,770 --> 00:01:33,509
Ideally, small boats of Navy personnel will be able to quickly assist the crew -- returning

21
00:01:33,509 --> 00:01:36,560
it and Orion to an awaiting naval ship.

22

00:01:36,560 --> 00:01:44,090

Orion is designed to sustain a crew that has splashed down in the ocean for up to 24 hours.

23

00:01:44,090 --> 00:01:49,689

Our Langley Research Center hosted a centennial symposium July 12-14 at the Hampton Roads

24

00:01:49,689 --> 00:01:51,780

Virginia Convention Center.

25

00:01:51,780 --> 00:01:57,249

The event marked the 100th anniversary of the center and featured NASA aerospace experts,

26

00:01:57,249 --> 00:02:02,409

those from industry, government, other space agencies, as well as officials from academia.

27

00:02:02,409 --> 00:02:06,119

And that's what's up this week @NASA ...