



1

00:00:00,370 --> 00:00:04,060

A safe splashdown for an historic test flight

...

2

00:00:04,060 --> 00:00:07,499

A major milestone for a future mission ...

3

00:00:07,499 --> 00:00:12,450

And remembering a champion for Earth Science

... a few of the stories to tell you about

4

00:00:12,450 --> 00:00:14,559

– This Week at NASA!

5

00:00:14,559 --> 00:00:15,769

“Splashdown!

6

00:00:15,769 --> 00:00:24,090

As you can see on your screen, we have visual confirmation for splashdown!”

7

00:00:24,090 --> 00:00:30,840

On Aug. 2, the SpaceX Endeavour Crew Dragon spacecraft splashed down in the Gulf of Mexico,

8

00:00:30,840 --> 00:00:35,630

safely returning our Doug Hurley and Bob Behnken from an historic test mission to the International

9

00:00:35,630 --> 00:00:39,460

Space Station, and marking a new era in human spaceflight.

10

00:00:39,460 --> 00:00:45,070

“This is really an amazing day, but we also need to remember that this is just the beginning.

11

00:00:45,070 --> 00:00:49,489

The future is very bright, but it’s going

to require these public/private partnerships

12
00:00:49,489 --> 00:00:52,879
which we have now proven can be very, very successful.”

13
00:00:52,879 --> 00:00:59,819
“We are starting the journey of bringing people regularly to and from low-Earth orbit

14
00:00:59,819 --> 00:01:02,760
and on to the Moon and then ultimately on to Mars.”

15
00:01:02,760 --> 00:01:07,800
Behnken and Hurley’s 62-day stay onboard the space station was very busy.

16
00:01:07,800 --> 00:01:13,140
They spent more than 100 hours working with science investigations, and participated in

17
00:01:13,140 --> 00:01:18,980
four spacewalks, which saw Behnken and fellow NASA astronaut Chris Cassidy tie the record

18
00:01:18,980 --> 00:01:21,890
for most spacewalks by a U.S. astronaut.

19
00:01:21,890 --> 00:01:27,570
“To see those two work out on the International Space Station, you’re not going to see anything

20
00:01:27,570 --> 00:01:28,570
like that again.

21
00:01:28,570 --> 00:01:30,350
It was just amazing to be part of that.”

22

00:01:30,350 --> 00:01:35,920

The splashdown of NASA's SpaceX Demo-2 mission was the first with American astronauts since

23

00:01:35,920 --> 00:01:40,310

the Apollo-Soyuz Test Project 45 years ago.

24

00:01:40,310 --> 00:01:45,660

Review of the mission and spacecraft could pave the way for NASA to certify SpaceX's

25

00:01:45,660 --> 00:01:51,560

systems for regular crewed flights to the space station, including Crew-1, the first

26

00:01:51,560 --> 00:01:53,630

rotational mission later this year.

27

00:01:53,630 --> 00:01:56,230

"I think this kind of comes full circle.

28

00:01:56,230 --> 00:02:01,280

It took years to get here; we brought the capability back to America, and we came home

29

00:02:01,280 --> 00:02:03,110

safely to our families.

30

00:02:03,110 --> 00:02:07,650

And it took a lot of people a lot of time to make that happen."

31

00:02:07,650 --> 00:02:13,019

Our Lucy mission has been cleared to proceed with assembly and testing in preparation for

32

00:02:13,019 --> 00:02:16,150

its targeted launch in 2021.

33

00:02:16,150 --> 00:02:20,720

Lucy will be the first mission to study Jupiter's Trojan asteroids.

34

00:02:20,720 --> 00:02:26,830

For more, go to: nasa.gov/lucy.

35

00:02:26,830 --> 00:02:31,730

NASA joins the entire science community in mourning the loss of Mike Freilich, former

36

00:02:31,730 --> 00:02:35,549

director of the agency's Earth Science Division.

37

00:02:35,549 --> 00:02:41,379

In a statement, NASA Administrator Jim Bridenstine noted that Freilich's deep expertise and

38

00:02:41,379 --> 00:02:46,959

innate love of science helped us expand the ways we observe our home planet.

39

00:02:46,959 --> 00:02:53,319

Earlier this year NASA joined several agencies and international partners to rename a mission

40

00:02:53,319 --> 00:02:54,580

after him.

41

00:02:54,580 --> 00:03:00,389

The Sentinel-6 Michael Freilich mission will gather critical information about the oceans

42

00:03:00,389 --> 00:03:10,040

for which he had such an abiding passion.

43

00:03:10,040 --> 00:03:15,659

This image was taken by our Terra satellite on Aug. 3, about 9 hours and 40 minutes before

44
00:03:15,659 --> 00:03:21,250
the eye of Hurricane Isaias made landfall
in southern North Carolina, packing maximum

45
00:03:21,250 --> 00:03:24,769
sustained winds of 85 mph.

46
00:03:24,769 --> 00:03:29,540
NASA satellites provided forecasters with
rainfall rates, cloud top temperatures, and

47
00:03:29,540 --> 00:03:35,150
other data as the huge storm made its way
up the U.S. East Coast.

48
00:03:35,150 --> 00:03:39,739
An instrument aboard the International Space
Station that measures the temperature of plants

49
00:03:39,739 --> 00:03:45,579
as they run out of water, produced this temperature
map showing the Apple wildfire burning just

50
00:03:45,579 --> 00:03:47,409
east of Los Angeles.

51
00:03:47,409 --> 00:03:52,280
The fire had consumed about 4,000 acres at
the time the image was captured.

52
00:03:52,280 --> 00:03:56,689
In just two days, that number grew to more
than 26,000 acres.

53
00:03:56,689 --> 00:04:00,200
That's what's up this week @NASA ...