

Spotlight on The Martian



1

00:00:00,820 --> 00:00:04,850

"Here's some of the stories trending This Week at NASA!"

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00:00:04,850 --> 00:00:10,360

On Aug. 19, the Japan Aerospace Exploration Agency launched its "Kounotori" H-II Transfer

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00:00:10,360 --> 00:00:16,330

Vehicle, or HTV-5 from the Tanegashima Space Center to the International Space Station.

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00:00:16,330 --> 00:00:21,670

The unpiloted cargo spacecraft is loaded with almost five tons of supplies and scientific

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00:00:21,670 --> 00:00:22,670

experiments.

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00:00:22,670 --> 00:00:25,740

It will spend about five weeks at the station.

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00:00:25,740 --> 00:00:30,560

In celebration of National Aviation Day, NASA encouraged people to spread their wings and

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00:00:30,560 --> 00:00:32,989

post their photos online.

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00:00:32,989 --> 00:00:38,570

Many did -- including travelers who stopped by NASA exhibits at two Washington, DC area

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00:00:38,570 --> 00:00:39,570

airports.

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00:00:39,570 --> 00:00:44,820

The exhibits highlighted NASA-developed technologies onboard every U.S. commercial aircraft.

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00:00:44,820 --> 00:00:49,510
The agency celebrates this annual event, which coincides with Orville Wright's birthday,

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00:00:49,510 --> 00:00:55,199
to promote the history of air travel, NASA's 100 years of excellence in aeronautics research

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00:00:55,199 --> 00:01:00,570
and the work we're doing to make flying even safer and more efficient.

15
00:01:00,570 --> 00:01:04,940
Hurricane Danny, the first Atlantic hurricane of the 2015 season was captured from space,

16
00:01:04,940 --> 00:01:09,030
on August 20 by cameras aboard the International Space Station.

17
00:01:09,030 --> 00:01:14,389
The storm was located about 1,090 miles east of the Windward Islands when it became a hurricane

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00:01:14,389 --> 00:01:19,240
– with maximum sustained winds of about 75 miles per hour.

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00:01:19,240 --> 00:01:24,590
Construction of NASA's next-generation hurricane-observing satellite mission is underway, as we mark

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00:01:24,590 --> 00:01:29,560
the ten-year anniversary of Hurricane Katrina and the catastrophic damage it caused.

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00:01:29,560 --> 00:01:34,970
The Cyclone Global Navigation Satellite System or (CYGNSS) mission is a constellation of

22
00:01:34,970 --> 00:01:40,350
eight microsattellites designed to accurately
measure ocean surface winds in and near the

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00:01:40,350 --> 00:01:46,310
eye wall of a storm, throughout the full life
of the storm, to improve hurricane forecasting.

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00:01:46,310 --> 00:01:49,610
The mission is set to launch in late 2016.

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00:01:49,610 --> 00:01:54,070
Hollywood visited NASA's Jet Propulsion
Laboratory in Pasadena, California for a media

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00:01:54,070 --> 00:01:58,400
tour as part of the rollout of the upcoming
feature film, "The Martian."

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00:01:58,400 --> 00:02:02,719
NASA collaborated on the technical aspects
of the film, which are based on real NASA

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00:02:02,719 --> 00:02:03,719
science.

29
00:02:03,719 --> 00:02:09,001
Directed by Ridley Scott, starring Matt Damon,
and based on Andy Weir's book, the story

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00:02:09,001 --> 00:02:14,020
is about an astronaut struggling to survive
alone on Mars in the 2030s.

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00:02:14,020 --> 00:02:19,550
NASA hopes the film will encourage young people
to pursue careers in science, technology,

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00:02:19,550 --> 00:02:21,850
engineering, arts and math.

33
00:02:21,850 --> 00:02:26,180
You can participate in NASA's Journey to Mars by adding your name to a microchip that

34
00:02:26,180 --> 00:02:31,760
will be on NASA's InSight Mars lander – scheduled for launch to the Red Planet next year.

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00:02:31,760 --> 00:02:36,270
The mission is the first dedicated to investigation of the planet's deep interior.

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00:02:36,270 --> 00:02:47,730
To send your name to Mars aboard InSight, go to: <http://go.usa.gov/3Aj3G>.

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00:02:47,730 --> 00:02:52,310
The deadline for submissions is Sept. 8.

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00:02:52,310 --> 00:02:57,920
August 20th was the 40-year anniversary of the launch of Viking 1, the first of two identical

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00:02:57,920 --> 00:03:00,650
spacecraft in NASA's Viking Project.

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00:03:00,650 --> 00:03:05,090
The program was the first U.S. mission to land a spacecraft safely on the surface of

41
00:03:05,090 --> 00:03:07,310
Mars and send back images.

42
00:03:07,310 --> 00:03:12,000
The Viking Landers analyzed samples of the Martian surface and atmosphere, while the

43
00:03:12,000 --> 00:03:17,350
Viking Orbiters high above the planet captured
high-resolution, detailed images of the entire

44
00:03:17,350 --> 00:03:18,870
surface.

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00:03:18,870 --> 00:03:23,500
New images were captured by NASA's Cassini
spacecraft of Saturn's moon Dione (DYE-uh-nee)

46
00:03:23,500 --> 00:03:28,790
– during the spacecraft's final close
flyby of the icy satellite on Aug. 17.

47
00:03:28,790 --> 00:03:32,700
Cassini was expected to get a rare up-close
peek at the moon's North Pole during the

48
00:03:32,700 --> 00:03:37,090
pass and conduct a gravity experiment that
could teach us more about the moon's internal

49
00:03:37,090 --> 00:03:40,180
structure and its outer shell.

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00:03:40,180 --> 00:03:41,950
And that's what's up this week @NASA ...