



Hispanic Heritage Honored

1
00:00:07,180 --> 00:00:11,010
This Week at NASA...

2
00:00:11,010 --> 00:00:16,380
Two historic milestones have been marked at the Kennedy Space Center -- the arrival of

3
00:00:16,380 --> 00:00:22,070
the Space Shuttle Program's final external fuel tank, and the departure of the program's

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00:00:22,070 --> 00:00:26,869
final solid rocket boosters from the Assembly and Refurbishment Facility.

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00:00:26,869 --> 00:00:32,840
The external fuel tank for STS-134, the final planned shuttle flight, was removed from the

6
00:00:32,840 --> 00:00:39,059
barge that carried it 900 miles over six days at sea from the Michoud Assembly Facility.\hSTS-134

7
00:00:39,059 --> 00:00:42,480
is scheduled for launch next February.

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00:00:42,480 --> 00:00:50,470
The SRBs arrived by train at Kennedy in late May following tests at the ATK solid rocket

9
00:00:50,470 --> 00:00:55,829
booster plant in Promontory Utah. They're being readied for use by shuttle Atlantis

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00:00:55,829 --> 00:01:03,290
on STS-335, a mission to be launched in the unlikely event an on-orbit rescue of the STS-134

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00:01:03,290 --> 00:01:04,290

crew is needed.

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00:01:04,290 --> 00:01:11,690

So, turn straight west and we'll head back around to the east, with a turn to the north.

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00:01:11,690 --> 00:01:18,100

Three U.S. Air Force F-15D Eagle aircraft have been transferred to NASA's Dryden Flight

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00:01:18,100 --> 00:01:24,430

Research Center for use in flight research and mission support. The demilitarized high-performance

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00:01:24,430 --> 00:01:31,280

tactical fighters were ferried from Tyndall Air Force Base, Fla., to Dryden on Sept. 21.

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00:01:31,280 --> 00:01:38,101

One will be dedicated to aeronautical research missions, replacing Dryden's aging F-15B research

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00:01:38,101 --> 00:01:45,030

test bed aircraft. A second F-15D will be used for operational support, while the third

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00:01:45,030 --> 00:01:53,240

will be a source of spare parts for the other two.

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00:01:53,240 --> 00:01:57,329

Travelers racing for planes at Washington's Dulles International Airport

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00:01:57,329 --> 00:01:59,490

Thank you for your cooperation.

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00:01:59,490 --> 00:02:06,170

...should allow extra time to ponder the beauty and majesty of our solar system. A new photographic

22
00:02:06,170 --> 00:02:12,030
exhibition, called "BEYOND: Visions of Our
Solar System," is now on display in the

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00:02:12,030 --> 00:02:17,109
airport's Gateway Gallery. The photos are
the work of artist Michael Benson, who has

24
00:02:17,109 --> 00:02:22,930
adapted 46 images highlighting recent discoveries
by the Hubble Space Telescope, the Cassini

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00:02:22,930 --> 00:02:26,109
spacecraft, and other NASA science missions.

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00:02:26,109 --> 00:02:30,069
For my whole life, I have been fascinated
by the story of space exploration and this

27
00:02:30,069 --> 00:02:37,689
evolving set of discoveries, series of discoveries.
So, to be able to meet people actually involved

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00:02:37,689 --> 00:02:40,579
in planning the missions is very gratifying
for me.

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00:02:40,579 --> 00:02:45,779
Sponsored by NASA, the Smithsonian National
Air and Space Museum, and the Metropolitan

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00:02:45,779 --> 00:02:51,680
Washington Airports Authority, Benson's
work will remain on display at Dulles' Gateway

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00:02:51,680 --> 00:02:55,620
Gallery through next March.

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00:02:55,620 --> 00:02:59,870

Please help me welcome Jose Hernandez.

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00:02:59,870 --> 00:03:04,019

Headquarters celebrated Hispanic American Heritage Month with a special presentation

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00:03:04,019 --> 00:03:10,389

in its James Webb Auditorium. Sponsored by NASA and HOLA, the Hispanic Organization for

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00:03:10,389 --> 00:03:15,939

Leadership and Advancement, the event included remarks by Deputy Administrator Lori Garver

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00:03:15,939 --> 00:03:19,529

and featured keynote speaker, Astronaut Jose Hernandez.

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00:03:19,529 --> 00:03:24,849

It took me fourteen years to get selected as an astronaut, I applied twelve straight

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00:03:24,849 --> 00:03:30,529

times before I finally got selected, so it was as story of perseverance. As Lori mentioned

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00:03:30,529 --> 00:03:37,030

in 2004, that's when I got selected, trained for two years --- 2006, and then got assigned

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00:03:37,030 --> 00:03:41,370

in 2008 and last year I realized my first space mission.

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00:03:41,370 --> 00:03:48,389

Hernandez joined NASA in 2001. Eight years later, this son of Mexican migrant farm workers,

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00:03:48,389 --> 00:03:54,689

flew aboard space shuttle Discovery on STS-128,
the 30th mission to the International Space

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00:03:54,689 --> 00:04:00,079

Station.

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00:04:00,079 --> 00:04:06,779

NASA hosted its first bilingual online chat
on nasa.gov. Participants in the live event

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00:04:06,779 --> 00:04:11,299

interacted with NASA pilot Herman Posada in
English and Spanish.

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00:04:11,299 --> 00:04:13,379

So, submit. Yep.

47

00:04:13,379 --> 00:04:20,549

Posada pilots the Ikhana and Global Hawk unmanned
aircraft using a joystick and video monitors.

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00:04:20,549 --> 00:04:26,780

NASA uses the aircraft to monitor dangerous
conditions, including wildfires and hurricanes.

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00:04:26,780 --> 00:04:33,220

Ikhana, a Predator B plane modified for non-military
missions, carries instruments for environmental

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00:04:33,220 --> 00:04:38,090

Earth science studies as well as aircraft
research and development.

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00:04:38,090 --> 00:04:43,150

The Global Hawk has been busy this hurricane
season collecting valuable data for scientists

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00:04:43,150 --> 00:04:47,360

from a number of tropical storms.

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00:04:47,360 --> 00:04:53,439

When she was just six years old, Carolina Gallardo fell in love with the night sky.

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00:04:53,439 --> 00:04:58,780

As a teenager, the young woman from a poor family near Mexico City watched a television

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00:04:58,780 --> 00:05:04,580

show about astronomy and the Hubble Space Telescope that would make the stars her life's

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00:05:04,580 --> 00:05:10,930

work. Carolina, then thirteen, was so inspired by Ed Weiler, the NASA scientist featured

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00:05:10,930 --> 00:05:16,139

on the program that she initiated a correspondence with him that would encourage her studies

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00:05:16,139 --> 00:05:17,680

for years to come.

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00:05:17,680 --> 00:05:23,990

Now, at age 30, Carolina Gallardo has finished a summer internship at the Goddard Space Flight

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00:05:23,990 --> 00:05:30,340

Center to complete masters' programs in aeronautics/astronautics and space technology.

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00:05:30,340 --> 00:05:35,599

A special guest at the Science Mission Directorate's monthly meeting at Headquarters, Caroline

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00:05:35,599 --> 00:05:42,060

told senior managers how Weiler, now the directorate's Associate Administrator and others at NASA

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00:05:42,060 --> 00:05:43,599
have impacted her life.

64
00:05:43,599 --> 00:05:51,819
Now I graduate with two Masters in aerospace
and I can say that thanks to you, thanks to

65
00:05:51,819 --> 00:06:00,439
your challenge, to your motivation, I can
tell everyone that if it wasn't for you,

66
00:06:00,439 --> 00:06:08,729
I wouldn't have gone this far. Thank you
very much.

67
00:06:08,729 --> 00:06:11,120
And that's This Week at NASA!