
WSTF
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1
00:00:00,770 --> 00:00:05,100
“Here’s some of the stories trending This
Week at NASA!”

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00:00:05,100 --> 00:00:09,949
On March 2, NASA’s acting Administrator,
Robert Lightfoot spoke at the U.S. Chamber

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00:00:09,949 --> 00:00:15,400
of Commerce’s Aviation Summit in Washington,
about how the agency’s technology advancements

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00:00:15,400 --> 00:00:18,700
have helped transform the aviation industry.

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00:00:18,700 --> 00:00:23,980
Lightfoot was then joined by Canadian Minister
of Transport Marc Garneau, who is a former

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00:00:23,980 --> 00:00:30,250
astronaut and Canadian Space Agency president,
and Carol Hallett, counselor to the chamber,

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00:00:30,250 --> 00:00:34,430
for a discussion with NASA’s Shane Kimbrough
and Peggy Whitson, via satellite from the

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00:00:34,430 --> 00:00:36,550
International Space Station.

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00:00:36,550 --> 00:00:41,220
The two talked about the vast array of research
and technology development conducted aboard

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00:00:41,220 --> 00:00:43,739
the station.

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00:00:43,739 --> 00:00:48,760
March 2 also marked a year since the station’s

one-year crew returned to Earth.

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00:00:48,760 --> 00:00:55,290
On that date, in 2016, Expedition 46 Commander
Scott Kelly of NASA and cosmonaut Mikhail

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00:00:55,290 --> 00:01:02,290
Kornienko of Roscosmos, wrapped up their 340-day
mission gathering valuable biomedical data

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00:01:02,290 --> 00:01:06,829
on how the human body is affected by long-duration
spaceflight.

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00:01:06,829 --> 00:01:14,009
That data is being used to help formulate
a human mission to Mars in the 2030s.

16
00:01:14,009 --> 00:01:18,889
IceCube is a NASA small satellite scheduled
to launch on Orbital ATK’s next resupply

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00:01:18,889 --> 00:01:23,640
mission to the International Space Station,
which is targeted for no earlier than March

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00:01:23,640 --> 00:01:24,840
19.

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00:01:24,840 --> 00:01:30,270
After being deployed from the station, IceCube
will use a specially-calibrated radiometer

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00:01:30,270 --> 00:01:36,389
to collect cloud ice measurements, which are
key variables in weather and climate models.

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00:01:36,389 --> 00:01:42,649
In addition to collecting the first global
map of cloud-induced radiances at 883-Gigahertz,

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00:01:42,649 --> 00:01:47,490
the mission seeks to raise the readiness level
of the radiometer technology to the highest

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00:01:47,490 --> 00:01:51,399
level currently possible for dependable cloud
ice measurements.

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00:01:51,399 --> 00:01:58,060
At NASA’s White Sands Test Facility, in
New Mexico, engineers recently installed the

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00:01:58,060 --> 00:02:03,499
Propulsion Qualification Module (PQM) of the
Orion spacecraft’s European service module.

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00:02:03,499 --> 00:02:09,170
The all-steel PQM – used to test the propulsion
systems on Orion – will be equipped with

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00:02:09,170 --> 00:02:14,930
a total of 21 engines, including a space shuttle
orbital maneuvering system (OMS) engine, eight

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00:02:14,930 --> 00:02:18,670
auxiliary thrusters and 12 smaller thrusters.

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00:02:18,670 --> 00:02:23,430
This and other testing of Orion’s systems
is supporting development of the spacecraft

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00:02:23,430 --> 00:02:28,230
that will carry humans farther into the solar
system than ever before.

31
00:02:28,230 --> 00:02:34,570
NASA’s Office of Small Business Programs
recognized its Fiscal Year 2016 Small Business

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00:02:34,570 --> 00:02:38,720
Industry Award winners, Feb. 28 at NASA headquarters.

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00:02:38,720 --> 00:02:46,210
Cepeda Systems and Software Analysis, Inc.,
Atec, Inc., Jacobs Technology, Inc., and Teledyne

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00:02:46,210 --> 00:02:52,530
Brown Engineering with the University of Nevada,
Las Vegas, won the Small Business Prime Contractor,

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00:02:52,530 --> 00:02:57,890
Small Business Subcontractor, Large Business
Prime Contractor, and Mentor-Protégé Agreement

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00:02:57,890 --> 00:03:00,140
of the Year awards, respectively.

37
00:03:00,140 --> 00:03:04,580
The annual awards are presented to companies
for their outstanding support of NASA and

38
00:03:04,580 --> 00:03:07,120
its mission.

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00:03:07,120 --> 00:03:13,250
NASA astronaut Stephanie Wilson gave a presentation
Feb. 25 at the Smithsonian National Air and

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00:03:13,250 --> 00:03:18,840
Space Museum's Steven F. Udvar-Hazy Center,
just outside Washington, as part of the museum's

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00:03:18,840 --> 00:03:25,190
Black History Month program, "African American
Pioneers in Aviation and Space."

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00:03:25,190 --> 00:03:30,250
Earlier in the month, NASA astronaut Victor

Glover also gave a presentation as part of

43
00:03:30,250 --> 00:03:32,980
this program at the museum’s location in
Washington.

44
00:03:32,980 --> 00:03:37,140
And that’s what’s up this week @NASA …
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