1
00:00:00,789 --> 00:00:04,940
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:04,940 --> 00:00:09,160
NASA Administrator Charlie Bolden delivered
opening remarks at the Humans to Mars Summit

3
00:00:09,160 --> 00:00:13,730
2015, on May 5 at The George Washington University,
in Washington.

4
00:00:13,730 --> 00:00:19,040
Bolden outlined NASA’s Journey to Mars and
the agency’s clear, affordable, and sustainable

5
00:00:19,040 --> 00:00:21,670
plan to explore the Red Planet.

6
00:00:21,670 --> 00:00:26,360
Others attending included NASA’s associate
administrator for Science John Grunsfeld,

7
00:00:26,360 --> 00:00:31,130
associate administrator for Human Exploration
and Operations Bill Gerstenmaier, and Steve

8
00:00:31,130 --> 00:00:36,370
Jurczyk, the associate administrator for the
agency’s Space Technology Mission Directorate.

9
00:00:36,370 --> 00:00:41,140
They participated in a panel discussion about
the development of capabilities NASA needs

10
00:00:41,140 --> 00:00:47,420
to send humans first to an asteroid and then
to Mars in the 2030s.

11

00:00:47,420 --> 00:00:51,829
Additional steps on the human Journey to Mars
are underway aboard the International Space

12
00:00:51,829 --> 00:00:52,960
Station.

13
00:00:52,960 --> 00:00:58,650
NASA astronaut Scott Kelly and Russian Federal
Space Agency cosmonaut Mikhail Kornienko are

14
00:00:58,650 --> 00:01:04,140
just over a month into their one-year mission,
conducting a host of research to gain beneficial

15
00:01:04,140 --> 00:01:09,180
knowledge on the medical, psychological and
biomedical challenges faced by astronauts

16
00:01:09,180 --> 00:01:11,330
during long-duration spaceflight.

17
00:01:11,330 --> 00:01:20,280
For more details on the one-year crew and
the research on the station, go to www.nasa.gov/oneyear.

18
00:01:20,280 --> 00:01:25,330
The May 6 pad abort test of the SpaceX Crew
Dragon spacecraft at Cape Canaveral Air Force

19
00:01:25,330 --> 00:01:31,409
Station simulated an emergency abort situation
and evaluated the ability of the spacecraft's

20
00:01:31,409 --> 00:01:37,619
system to carry crew members to safety, following
a launch abort or a launch pad emergency.

21
00:01:37,619 --> 00:01:41,960
This capability is a critical element for

the next generation of crew spacecraft being

22
00:01:41,960 --> 00:01:47,130
developed by NASA’s commercial partners
to fly astronauts to and from the International

23
00:01:47,130 --> 00:01:48,439
Space Station.

24
00:01:48,439 --> 00:01:53,090
The test is a major step in regaining our
ability to launch astronauts into space from

25
00:01:53,090 --> 00:01:55,799
American soil.

26
00:01:55,799 --> 00:02:00,670
NASA and the Department of Homeland Security
held a May 7 demonstration at the Virginia

27
00:02:00,670 --> 00:02:06,630
Task Force ONE Training Facility outside Washington
to showcase the final prototype of the Finding

28
00:02:06,630 --> 00:02:13,029
Individuals for Disaster and Emergency Response
or FINDER—a radar technology designed to

29
00:02:13,029 --> 00:02:16,180
detect heartbeats of victims trapped in wreckage.

30
00:02:16,180 --> 00:02:21,409
FINDER, which previously showed the capability
to find people buried under up to 30 feet

31
00:02:21,409 --> 00:02:26,920
of rubble, hidden behind 20 feet of solid
concrete and from a distance of 100 feet in

32

00:02:26,920 --> 00:02:32,989
open spaces, can now also determine the approximate
location of trapped individuals.

33
00:02:32,989 --> 00:02:38,340
And in a real-world demonstration of the technology's
life-saving potential, FINDER was deployed

34
00:02:38,340 --> 00:02:42,120
to assist in the recent earthquake rescue
effort in Nepal.

35
00:02:42,120 --> 00:02:47,310
It located four individuals trapped under
as much as 10 feet of bricks, mud and other

36
00:02:47,310 --> 00:02:49,579
debris.

37
00:02:49,579 --> 00:02:54,799
In a video message to celebrate Small Business
Week, NASA Administrator Bolden recognized

38
00:02:54,799 --> 00:03:00,419
small businesses that help the agency achieve
its goals while boosting the U.S. economy.

39
00:03:00,419 --> 00:03:05,489
Meanwhile, associate administrator for Small
Business Programs, Glenn Delgado, toured the

40
00:03:05,489 --> 00:03:11,139
California facilities of Made In Space, a
small 3-D technology company near Ames Research

41
00:03:11,139 --> 00:03:16,430
Center, which provided the 3-D printer that
recently produced a wrench onboard the International

42
00:03:16,430 --> 00:03:19,129

Space Station.

43
00:03:19,129 --> 00:03:23,900
During a May 8 ceremony at NASA’s Langley Research Center, the American Helicopter Society

44
00:03:23,900 --> 00:03:28,569
International formally named the Hampton, Virginia facility a Vertical Flight Heritage

45
00:03:28,569 --> 00:03:34,609
Site, recognizing Langley’s decades of contributions to improving helicopters and other vertical

46
00:03:34,609 --> 00:03:36,680
flight aircraft.

47
00:03:36,680 --> 00:03:41,480
Administrator Bolden and Jaiwon Shin, the agency’s associate administrator for Aeronautics,

48
00:03:41,480 --> 00:03:44,690
accepted the designation on behalf of the agency.

49
00:03:44,690 --> 00:03:50,709
Langley’s groundbreaking vertical flight research dates back to 1917.

50
00:03:50,709 --> 00:03:52,739
And that’s what’s up this week @NASA …