1
00:00:00,770 --> 00:00:05,060
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:05,060 --> 00:00:10,190
NASA wrapped up its second Underway Recovery
Test Aug. 4 with the Orion spacecraft, off

3
00:00:10,190 --> 00:00:12,820
the coast of San Diego, California.

4
00:00:12,820 --> 00:00:17,520
The agency teamed with Lockheed Martin, the
U.S. Navy and the Department of Defense's

5
00:00:17,520 --> 00:00:23,210
Human Space Flight Support Detachment 3 to
evaluate primary and alternative methods to

6
00:00:23,210 --> 00:00:28,460
recover Orion after the spacecraft safely
splashes down in the ocean at the conclusion

7
00:00:28,460 --> 00:00:30,480
of future deep space missions.

8
00:00:30,480 --> 00:00:38,079
Orion’s first spaceflight test with a splashdown
in the Pacific Ocean is targeted for December.

9
00:00:38,079 --> 00:00:43,040
During an August 8 news briefing at the Jet
Propulsion Laboratory in Pasadena, California,

10
00:00:43,040 --> 00:00:47,989
NASA released new video from last month’s
Low-Density Supersonic Decelerator test in

11
00:00:47,989 --> 00:00:51,720

Hawaii and discussed early results of the
test.

12
00:00:51,720 --> 00:00:56,570
The successful cross-cutting demonstration
of the LDSD project's saucer-shaped test

13
00:00:56,570 --> 00:01:03,280
vehicle was designed to evaluate technologies
for safely landing larger and heavier payloads

14
00:01:03,280 --> 00:01:08,679
on the surface of Mars and other planets with
atmospheres.

15
00:01:08,679 --> 00:01:18,490
Aug. 5 Pacific Time… was the 2-year anniversary
of the Curiosity rover's landing on Mars

16
00:01:18,490 --> 00:01:23,969
– after surviving the dreaded "seven minutes
of terror" descent to the Martian surface.

17
00:01:23,969 --> 00:01:29,090
To help mark the occasion, a book release
of Mars Up Close at National Geographic in

18
00:01:29,090 --> 00:01:34,939
Washington, DC included a panel discussion
with author Marc Kaufman and several NASA

19
00:01:34,939 --> 00:01:36,170
representatives.

20
00:01:36,170 --> 00:01:41,719
Curiosity continues to explore Mars, but its
met its major objective of finding evidence

21
00:01:41,719 --> 00:01:47,169
of a past environment that could have supported

microbial life.

22
00:01:47,169 --> 00:01:53,099
On Aug. 4, NASA Administrator Charlie Bolden
visited the Naval Research Laboratory in Washington

23
00:01:53,099 --> 00:01:58,950
to view the Magnetospheric Multiscale spacecraft,
or MMS, following the observatory's final

24
00:01:58,950 --> 00:02:01,819
thermal vacuum test at the lab.

25
00:02:01,819 --> 00:02:07,579
Targeted to launch in 2015, MMS is a quartet
of spacecraft that will investigate a mysterious

26
00:02:07,579 --> 00:02:13,110
process known as magnetic reconnection, during
which magnetic fields around Earth connect

27
00:02:13,110 --> 00:02:16,660
and disconnect, explosively releasing energy.

28
00:02:16,660 --> 00:02:21,410
The mission also will provide the first three-dimensional
views of this fundamental process that occurs

29
00:02:21,410 --> 00:02:24,640
throughout our universe.

30
00:02:24,640 --> 00:02:29,310
During an Aug. 5 flight aboard an aircraft
equipped with NASA remote sensing technology

31
00:02:29,310 --> 00:02:34,530
previously developed for Mars exploration,
engineers from Glenn Research Center imaged

32

00:02:34,530 --> 00:02:39,970
western Lake Erie to learn more about the
algal bloom that contaminated water supplies

33
00:02:39,970 --> 00:02:43,090
in parts of Ohio and Michigan recently.

34
00:02:43,090 --> 00:02:48,690
NASA and NOAA satellite imagery currently
is used to identify, monitor and map potentially

35
00:02:48,690 --> 00:02:52,710
harmful algal blooms, but can be obscured
by weather.

36
00:02:52,710 --> 00:02:57,970
Airborne remote-sensing makes monitoring possible
during cloud cover and in parts of the world

37
00:02:57,970 --> 00:03:00,600
where satellite imagery is not available.

38
00:03:00,600 --> 00:03:06,310
The same day as the algal bloom flight, results
of more than thirty projects were presented

39
00:03:06,310 --> 00:03:10,810
by young Earth science professionals at the
annual DEVELOP Earth Science Applications

40
00:03:10,810 --> 00:03:13,850
Summer Showcase at NASA headquarters.

41
00:03:13,850 --> 00:03:18,240
The projects were designed to demonstrate
innovative and practical applications of NASA

42
00:03:18,240 --> 00:03:24,090
Earth observations to community concerns around
the globe -- addressing a wide range of environmental

43
00:03:24,090 --> 00:03:26,280
and public policy issues.

44
00:03:26,280 --> 00:03:32,390
The DEVELOP Program bridges the gap between
NASA Earth science and society, enabling participants

45
00:03:32,390 --> 00:03:37,872
and partner organizations to better handle
the challenges facing society today and in

46
00:03:37,872 --> 00:03:40,290
the future.

47
00:03:40,290 --> 00:03:44,410
Administrator Bolden was at Goddard Space
Flight Center recently, to announce, with

48
00:03:44,410 --> 00:03:50,520
Small Business Administrator Maria Contreras-Sweet
and U.S. Senator Ben Cardin, a member of the

49
00:03:50,520 --> 00:03:52,881
Senate Small Business and Entrepreneurship
Committee…

50
00:03:52,881 --> 00:03:57,680
the 2013 Small Business Federal Procurement
Scorecard.

51
00:03:57,680 --> 00:04:01,260
NASA received an “A” – up from a “C”
three years earlier.

52
00:04:01,260 --> 00:04:06,350
NASA’s Office of Small Business Programs
helps develop small businesses in high tech

53

00:04:06,350 --> 00:04:11,660
areas, including technology transfer and commercialization
of technology.

54
00:04:11,660 --> 00:04:13,600
And that’s what’s up this week @NASA …