1
00:00:07,390 --> 00:00:09,990
This Week at NASA...

2
00:00:09,990 --> 00:00:15,620
"One, zero and ignition and liftoff ..."

3
00:00:15,620 --> 00:00:20,730
LADEE, the Lunar Atmosphere and Dust Environment
Explorer robotic probe launched Friday night

4
00:00:20,730 --> 00:00:24,439
atop an Orbital Sciences Corporation Minotaur
V rocket.

5
00:00:24,439 --> 00:00:27,980
The first deep space mission from Wallops
Flight Facility, LADEE will orbit the moon

6
00:00:27,980 --> 00:00:32,579
to collect information about its atmosphere
and environmental influences on lunar dust.

7
00:00:32,579 --> 00:00:38,240
"Launching a rocket is hard and there's so
many things that we control -- tonight just

8
00:00:38,240 --> 00:00:40,899
went spectacularly well ... there's things
that we don't control."

9
00:00:40,899 --> 00:00:45,609
Data from LADEE will help scientists better
understand other planetary bodies in our solar

10
00:00:45,609 --> 00:00:48,260
system.

11
00:00:48,260 --> 00:00:52,399
A news briefing at Johnson Space Center focused

on the upcoming Antares rocket launch from

12
00:00:52,399 --> 00:00:57,219
Wallops -- and test flight to the International
Space Station of Orbital's Cygnus cargo craft.

13
00:00:57,219 --> 00:01:02,429
"They're going to be demonstrating the full
mission with a brand new state of the art

14
00:01:02,429 --> 00:01:06,470
cargo carrying autonomous spacecraft."

15
00:01:06,470 --> 00:01:09,010
Launch is scheduled for Tuesday, Sept. 17.

16
00:01:09,010 --> 00:01:13,210
The flight is part of NASA' Commercial Orbital
Transportation Services Program to develop

17
00:01:13,210 --> 00:01:19,810
private and public partnerships for resupply
of the ISS.

18
00:01:19,810 --> 00:01:24,530
NASA has chosen the 96 most promising ideas
out of 400 submitted in response to its June

19
00:01:24,530 --> 00:01:30,060
request for information or RFI about protecting
Earth from asteroids and finding asteroid

20
00:01:30,060 --> 00:01:31,970
humans can explore.

21
00:01:31,970 --> 00:01:36,750
Submitted by industry, universities, international
organizations and the public, the ideas include

22

00:01:36,750 --> 00:01:41,619
pointers on how to decrease an asteroid's
spin, nudge it away from Earth, take samples

23
00:01:41,619 --> 00:01:47,469
and increase public awareness about asteroid
threats and potential scientific benefits.

24
00:01:47,469 --> 00:01:53,530
NASA plans a public workshop Sept. 30 - Oct.
2 to examine and synthesize the 96 highly

25
00:01:53,530 --> 00:01:57,259
rated ideas.

26
00:01:57,259 --> 00:02:01,030
Engineers and technicians at Kennedy Space
Center are done testing the solar array wings

27
00:02:01,030 --> 00:02:05,320
for MAVEN, the Mars Atmosphere and Volatile
EvolutioN spacecraft.

28
00:02:05,320 --> 00:02:09,560
Scheduled for launch November 18, MAVEN is
the first mission dedicated to studying the

29
00:02:09,560 --> 00:02:16,879
upper atmosphere of Mars for traces of the
elements that existed there in the past.

30
00:02:16,879 --> 00:02:21,349
Expedition 37/38, the next crew in line for
a trip to the International Space Station

31
00:02:21,349 --> 00:02:27,220
took part in prelaunch activities at the Gagarin
Cosmonaut Training Center in Star City, Russia.

32
00:02:27,220 --> 00:02:31,580

NASA Flight Engineer Michael Hopkins, along
with Soyuz Commander Oleg Kotov and Flight

33
00:02:31,580 --> 00:02:35,690
Engineer Sergey Ryazanskiy (Ree-ZAN-skee)
of the Russian Federal Space Agency are scheduled

34
00:02:35,690 --> 00:02:39,220
to launch September 26 from Kazakhstan.

35
00:02:39,220 --> 00:02:45,760
A new compatibility testing system developed
at Glenn Research Center verifies that spacecraft

36
00:02:45,760 --> 00:02:51,310
radio signals properly operate through NASA
satellites before the spacecraft is launched.

37
00:02:51,310 --> 00:02:56,200
The Satellite Communication Compatibility
Test Sets system replaces larger, obsolete

38
00:02:56,200 --> 00:03:04,010
equipment and is important because satellites
rely on radio commands for operation.

39
00:03:04,010 --> 00:03:08,909
At NASA Headquarters, a special farewell and
thanks to Lori Garver for four years service

40
00:03:08,909 --> 00:03:13,730
as NASA's Deputy Administrator and best wishes
in her new role as General Manager of the

41
00:03:13,730 --> 00:03:15,560
Air Line Pilots Association.

42
00:03:15,560 --> 00:03:23,540
"My three priorities when I came in were to
align NASA with national objectives, to provide

43
00:03:23,540 --> 00:03:29,150
the best value for the taxpayers and to be
a clear and consistent leader."

44
00:03:29,150 --> 00:03:34,480
"She has been a face of the agency and has
been an incredibly effective leader."

45
00:03:34,480 --> 00:03:40,260
During her tenure Garver spearheaded many
of the Obama Administration's space priorities,

46
00:03:40,260 --> 00:03:44,410
including NASA's commercial crew and cargo
programs, the re-establishment of a space

47
00:03:44,410 --> 00:03:49,690
technology mission directorate, the agency's
use of challenges and prizes, and an unwavering

48
00:03:49,690 --> 00:03:54,830
commitment to diversity and inclusion.

49
00:03:54,830 --> 00:03:59,050
September is National Preparedness Month,
and the Emergency Management Team at NASA

50
00:03:59,050 --> 00:04:04,300
Headquarters is sponsoring events and activities
to educate employees on how to ready themselves

51
00:04:04,300 --> 00:04:06,970
for emergencies at work and at home.

52
00:04:06,970 --> 00:04:13,730
For more on how to prepare, visit www.ready.gov.

53
00:04:13,730 --> 00:04:17,769

Center Director Chris Scolese joined others
at Goddard Space Flight Center to support

54
00:04:17,769 --> 00:04:20,840
the Stuff-A-Truck Feds Feeds Families event.

55
00:04:20,840 --> 00:04:25,670
The campaign collects donated items for food
banks -- including portable meals, canned

56
00:04:25,670 --> 00:04:28,190
and dry goods, and toiletries.

57
00:04:28,190 --> 00:04:32,600
The Center was striving to collect 10-thousand
pounds of items.

58
00:04:32,600 --> 00:04:34,470
And that's This Week @NASA.