



1
00:00:07,130 --> 00:00:09,950
This Week at NASA...

2
00:00:09,950 --> 00:00:18,310
"3-2-1 ... we have ignition, we have liftoff."

3
00:00:18,310 --> 00:00:22,640
Orbital Sciences Corporation's Cygnus cargo
craft launched aboard the company's Antares

4
00:00:22,640 --> 00:00:27,300
rocket from Wallops Flight Facility on a demonstration
mission to the International Space Station.

5
00:00:27,300 --> 00:00:31,730
"The International Space Station is our key
piece right now for human exploration.

6
00:00:31,730 --> 00:00:37,390
With this successful mission, super-excited
about what that opens up for us as an agency."

7
00:00:37,390 --> 00:00:41,300
The Cygnus demo mission is part of NASA's
Commercial Orbital Transportation Services

8
00:00:41,300 --> 00:00:46,550
program to develop viable partnerships to
resupply the space station.

9
00:00:46,550 --> 00:00:53,730
At the Baikonur Cosmodrome in Kazakhstan,
Expedition 37/38 Soyuz Commander Oleg Kotov

10
00:00:53,730 --> 00:00:58,420
and Flight Engineer Sergey Ryazanskiy of the
Russian Federal Space Agency and NASA Flight

11
00:00:58,420 --> 00:01:03,700

Engineer Michael Hopkins continued preparations for their September 26 launch to the International

12

00:01:03,700 --> 00:01:05,059

Space Station.

13

00:01:05,059 --> 00:01:10,829

They'll join Expedition 37 Commander Fyodor Yurchikin, NASA's Karen Nyberg and Luca Parmitano

14

00:01:10,829 --> 00:01:16,390

of the European Space Agency onboard the ISS.

15

00:01:16,390 --> 00:01:21,750

After its longest drive yet, the Mars Curiosity rover reached an area with exposed layers

16

00:01:21,750 --> 00:01:24,469

of bedrock, that's being called Darwin.

17

00:01:24,469 --> 00:01:28,939

Analysis of Darwin may provide evidence of whether and how water played a role in the

18

00:01:28,939 --> 00:01:33,369

layering of rocks in this region.

19

00:01:33,369 --> 00:01:38,039

NASA's Marshall Space Flight Center hosted its annual Innovation & Technology Day expo

20

00:01:38,039 --> 00:01:42,020

to showcase pioneering technology being developed at the Center.

21

00:01:42,020 --> 00:01:47,380

The expo provides an opportunity for the Marshall workforce to learn about the work of and collaborate

22

00:01:47,380 --> 00:01:52,250
with other organizations around the Center.

23
00:01:52,250 --> 00:01:56,430
This week, NASA joined others in celebration
of National Aerospace Week.

24
00:01:56,430 --> 00:02:02,179
The annual observance recognizes the contributions
of NASA and others in the aerospace industry

25
00:02:02,179 --> 00:02:06,409
to America's economy, global competitiveness
and national security.

26
00:02:06,409 --> 00:02:11,410
NASA continues to develop technologies in
anticipation of emerging global trends in

27
00:02:11,410 --> 00:02:15,190
the aviation industry.

28
00:02:15,190 --> 00:02:19,670
In conjunction with an event on Capitol Hill
honoring the Boys and Girls Club of America's

29
00:02:19,670 --> 00:02:25,110
"Youth of the Year", NASA Associate Administrator
for Education Leland Melvin signed a Space

30
00:02:25,110 --> 00:02:28,720
Act Agreement forming a partnership with the
organization.

31
00:02:28,720 --> 00:02:33,050
The event was attended by lawmakers and several
celebrities who grew up as members of the

32
00:02:33,050 --> 00:02:39,970
Boys and Girls Club and credit the organization

for helping them succeed in life.

33

00:02:39,970 --> 00:02:44,190

Marshall Space Flight Center hosted a "Business to Business Forum" in Mobile, Alabama to provide

34

00:02:44,190 --> 00:02:49,190

area small businesses with information about doing business with NASA and other federal

35

00:02:49,190 --> 00:02:50,810

organizations.

36

00:02:50,810 --> 00:02:55,420

Mobile native and Space Launch System program manager Todd May was on hand with Astronaut

37

00:02:55,420 --> 00:03:06,970

Tony Antonelli to discuss the enabling role of the SLS in of deep space exploration.

38

00:03:06,970 --> 00:03:11,290

Students at Hardy Middle School in Washington, D.C., were treated to a high-energy, hip-hop

39

00:03:11,290 --> 00:03:13,840

physics show -- when FMA Live!

40

00:03:13,840 --> 00:03:16,970

Forces in Motion kicked off its 2013 season.

41

00:03:16,970 --> 00:03:22,030

A collaboration between NASA and Honeywell, the live, interactive ensemble teaches Newton's

42

00:03:22,030 --> 00:03:28,111

Laws of Motion and Universal Laws of Gravity using actors, dance, music videos, science

43

00:03:28,111 --> 00:03:32,720

demonstrations and video interviews with scientists and engineers.

44

00:03:32,720 --> 00:03:34,400

"Ah, Roger.

45

00:03:34,400 --> 00:03:40,900

Liftoff and the clock has started ... reading you loud and clear."

46

00:03:40,900 --> 00:03:46,430

NASA has a collection of historic sounds available for download that you can use for ringtones,

47

00:03:46,430 --> 00:03:50,050

default computer sounds or anything else you can imagine.

48

00:03:50,050 --> 00:03:54,960

So, if you make a mistake on your computer -- instead of this.

49

00:03:54,960 --> 00:03:56,370

It could be this.

50

00:03:56,370 --> 00:03:59,490

"Houston, we've had a problem."

51

00:03:59,490 --> 00:04:01,460

And that's This Week @NASA.