



NASA Science Mission Director  
Earth Science Division  
Applied Sciences

**DEVELOP National**  
Highlight Presentation

1  
00:00:00,700 --> 00:00:03,870

“Here’s some of the stories trending This Week at NASA!”

2  
00:00:03,870 --> 00:00:09,151

Two of the NASA astronauts training for the first flight tests for the agency’s Commercial

3  
00:00:09,151 --> 00:00:15,469

Crew Program visited with employees during an Aug. 11 event at Kennedy Space Center.

4  
00:00:15,469 --> 00:00:21,140

Astronauts Eric Boe and Suni Williams, alongside Commercial Crew Program Manager Kathy Lueders,

5  
00:00:21,140 --> 00:00:26,740

responded to questions during a panel discussion, moderated by Kennedy Director Robert Cabana.

6  
00:00:26,740 --> 00:00:31,970

NASA has contracted with Boeing and SpaceX to develop crew transportation systems and

7  
00:00:31,970 --> 00:00:36,900

provide crew transportation services to and from the International Space Station.

8  
00:00:36,900 --> 00:00:41,220

The agency will select the commercial crew astronauts from the group that includes Boe,

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00:00:41,220 --> 00:00:48,150

Williams, Bob Behnken and Doug Hurley The first flight tests are targeted for next year.

10  
00:00:48,150 --> 00:00:53,790

On August 9, pilots from NASA partner H211, LLC flew through plumes of smoke from the

11  
00:00:53,790 --> 00:00:59,110  
"Soberanes" wildfire, near Carmel, California,  
to measure and study the effects of ozone

12  
00:00:59,110 --> 00:01:03,250  
and greenhouse gases from the fires on air  
quality in that region.

13  
00:01:03,250 --> 00:01:08,969  
The flight was part of the Alpha Jet Atmospheric  
eXperiment or (AJAX) Project, based at NASA's

14  
00:01:08,969 --> 00:01:11,289  
Ames Research Center in Silicon Valley.

15  
00:01:11,289 --> 00:01:16,799  
This flight was the 197th AJAX mission in  
the past five years, using NASA-developed

16  
00:01:16,799 --> 00:01:22,889  
sensors and equipment to make measurements  
of the atmosphere.

17  
00:01:22,889 --> 00:01:27,860  
NASA invited the media to learn about the  
Cyclone Global Navigation Satellite System

18  
00:01:27,860 --> 00:01:32,119  
(CYGNSS) hurricane mission during an August  
11 event at the Southwest Research Institute

19  
00:01:32,119 --> 00:01:34,170  
(SwRI) in San Antonio, Texas.

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00:01:34,170 --> 00:01:39,180  
CYGNSS, which is scheduled to launch Nov.  
21 from Cape Canaveral Air Force Station in

21  
00:01:39,180 --> 00:01:45,079

Florida, is a constellation of eight microsatellites that will gather never-before-seen details

22  
00:01:45,079 --> 00:01:50,479  
on the formation and intensity of tropical cyclones and hurricanes – helping to improve

23  
00:01:50,479 --> 00:01:55,710  
hurricane track, intensity and storm surge forecasts.

24  
00:01:55,710 --> 00:02:00,679  
On August 10 at NASA Headquarters, young research professionals discussed projects that use

25  
00:02:00,679 --> 00:02:06,179  
NASA Earth observations and modelling to address a range of environmental issues around the

26  
00:02:06,179 --> 00:02:07,259  
globe.

27  
00:02:07,259 --> 00:02:12,130  
The talks, panel discussions, and poster session were featured as part of NASA's DEVELOP

28  
00:02:12,130 --> 00:02:17,691  
program, a nationwide training and development effort sponsored by the agency's Earth Science

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00:02:17,691 --> 00:02:20,200  
Applied Sciences Program.

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00:02:20,200 --> 00:02:25,250  
DEVELOP bridges the gap between NASA Earth Science and society by helping prepare program

31  
00:02:25,250 --> 00:02:30,459  
participants and partner organizations to address environmental challenges faced by

32

00:02:30,459 --> 00:02:34,930

current society and future generations.

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00:02:34,930 --> 00:02:40,439

NASA hosted a MissionSTEM Summit August 8 and 9 at the agency's headquarters in Washington.

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00:02:40,439 --> 00:02:44,989

The event brought together NASA and other government experts, students from grantee

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00:02:44,989 --> 00:02:51,090

institutions, federal and grantee civil rights compliance officials, academia, industry and

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00:02:51,090 --> 00:02:53,269

professional organizations.

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00:02:53,269 --> 00:02:58,579

The experts in civil rights compliance and education discussed best practices for ensuring

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00:02:58,579 --> 00:03:04,060

equal opportunity in science, technology, engineering and math (STEM), and they exchanged

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00:03:04,060 --> 00:03:10,000

ideas for tackling the challenges faced by grantee institutions and compliance officials.

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00:03:10,000 --> 00:03:14,549

The summit was designed to advance NASA's civil rights technical assistance efforts

41

00:03:14,549 --> 00:03:15,910

relating to STEM.

42

00:03:15,910 --> 00:03:19,489

And that's what's up this week @NASA ...