



1  
00:00:00,890 --> 00:00:04,600

"Here's some of the stories trending This Week at NASA!"

2  
00:00:04,600 --> 00:00:08,460

NASA Administrator Charlie Bolden responded to questions at a Congressional hearing on

3  
00:00:08,460 --> 00:00:14,940

the agency's FY2015 budget proposal. Announced March 4, the 17-point-5-billion dollar budget

4  
00:00:14,940 --> 00:00:20,179

affirms the bi-partisan plan agreed to by Congress and the President -- enabling NASA

5  
00:00:20,179 --> 00:00:25,179

to carry out an ambitious deep space exploration program. One that includes sending humans

6  
00:00:25,179 --> 00:00:29,989

to an asteroid and Mars, extending use of the International Space Station to at least

7  
00:00:29,989 --> 00:00:35,600

2024, testing and developing the Orion spacecraft and Space Launch System rocket and fostering

8  
00:00:35,600 --> 00:00:40,579

Commercial partnerships. Bolden was joined by NASA astronaut Karen

9  
00:00:40,579 --> 00:00:45,899

Nyberg at the March 26 Asteroid Initiative Opportunities Forum at NASA headquarters,

10  
00:00:45,899 --> 00:00:50,750

which featured status updates on the latest plans, concepts and technologies being considered

11  
00:00:50,750 --> 00:00:56,109  
for the Asteroid Redirect Mission to capture  
a near-Earth asteroid and redirect it closer

12  
00:00:56,109 --> 00:01:00,980  
to the moon for study. Also discussed was  
a broad agency announcement soliciting ideas

13  
00:01:00,980 --> 00:01:06,390  
for the mission and new engagement opportunities  
in the agency's Grand Challenge to find asteroids

14  
00:01:06,390 --> 00:01:08,729  
that pose a potential threat to human life.

15  
00:01:08,729 --> 00:01:14,950  
Nyberg, who spent nearly six months aboard  
the International Space Station last year,

16  
00:01:14,950 --> 00:01:21,090  
was in town for a series of post-flight appearances  
with Expedition 36/37 crewmate Luca Parmitano

17  
00:01:21,090 --> 00:01:26,240  
of the European Space Agency. The pair visited  
Goddard Space Flight Center where they shared

18  
00:01:26,240 --> 00:01:31,450  
images from their mission with Goddard employees.  
Nyberg also participated in a "Kid-Friendly"

19  
00:01:31,450 --> 00:01:37,740  
NASA Social at headquarters -- with more than  
a hundred NASA followers attending.

20  
00:01:37,740 --> 00:01:42,680  
The space station has three new crew members  
-- the Expedition 39/40 crew launched from

21

00:01:42,680 --> 00:01:48,439

Kazakhstan on March 25, Eastern Daylight Time.  
But the planned same day arrival was prolonged

22

00:01:48,439 --> 00:01:53,759

after their Soyuz spacecraft was unable to  
complete a third thruster burn to fine-tune

23

00:01:53,759 --> 00:01:59,189

its approach to the station. NASA's Steve  
Swanson and Russian cosmonauts Alexander Skvortsov

24

00:01:59,189 --> 00:02:04,979

and Oleg Artemyev finally arrived at the orbital  
laboratory on March 27. They were welcomed

25

00:02:04,979 --> 00:02:10,190

aboard by Commander Koichi Wakata of the Japan  
Aerospace Exploration Agency, NASA Flight

26

00:02:10,190 --> 00:02:15,200

Engineer Rick Mastracchio and Flight Engineer  
Mikhail Tyurin of the Russian Federal Space

27

00:02:15,200 --> 00:02:16,970

Agency.

28

00:02:16,970 --> 00:02:21,819

NASA and the Japan Aerospace Exploration Agency  
have released the first images from the Global

29

00:02:21,819 --> 00:02:27,769

Precipitation Measurement Core Observatory,  
which launched into space Feb. 27. The images

30

00:02:27,769 --> 00:02:33,440

of the March 10 "extra-tropical cyclone" over  
the northwest Pacific Ocean, captured precipitation

31

00:02:33,440 --> 00:02:38,489

in the form of rain and snow. This type of cyclone, which occurs when warm and cold air

32  
00:02:38,489 --> 00:02:44,980  
masses collide north or south of the tropics, can produce rain, snow, ice, high winds, and

33  
00:02:44,980 --> 00:02:47,739  
other severe weather.

34  
00:02:47,739 --> 00:02:52,760  
The high school division of NASA's Exploration Design Challenge is down to five teams. The

35  
00:02:52,760 --> 00:02:58,790  
educational program, associated with the first flight test later this year of the Orion spacecraft,

36  
00:02:58,790 --> 00:03:03,810  
challenges K-thru-12 grade students to design radiation protection for astronauts on deep

37  
00:03:03,810 --> 00:03:09,739  
space missions. The final five were announced by astronaut Rex Walheim and Lockheed Martin's

38  
00:03:09,739 --> 00:03:15,060  
Heather McKay during a live broadcast from Johnson Space Center.

39  
00:03:15,060 --> 00:03:20,120  
NASA's Super Guppy aircraft arrived at Redstone Army Airfield Wednesday, carrying one of the

40  
00:03:20,120 --> 00:03:26,989  
largest composite fuel tanks ever built. Manufactured by NASA and Boeing, the 5-point-5 meter diameter

41  
00:03:26,989 --> 00:03:31,810  
composite cryotank was delivered to nearby

Marshall Space Flight Center where it will

42  
00:03:31,810 --> 00:03:37,349  
be filled with extremely cold, or cryogenic,  
hydrogen fuel and undergo a series of pressure

43  
00:03:37,349 --> 00:03:43,060  
and temperature tests to see how it performs  
compared to similar-sized, but heavier metal

44  
00:03:43,060 --> 00:03:46,379  
fuel tanks in use today.

45  
00:03:46,379 --> 00:03:51,879  
A NASA-sponsored robot, named "Angry Nerd",  
was entered into the 2014 Greater DC Regional

46  
00:03:51,879 --> 00:03:57,370  
FIRST Robotics Competition by a team of students  
from Northern Virginia's Herndon High School.

47  
00:03:57,370 --> 00:04:03,290  
The March 27-29 event at George Mason University  
is one of many regional competitions around

48  
00:04:03,290 --> 00:04:08,750  
the country in this year's FIRST Robotics  
season that involves a challenge called, "Aerial

49  
00:04:08,750 --> 00:04:14,650  
Assist", where teams control their robots  
to score as many balls in goals as possible.

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00:04:14,650 --> 00:04:19,590  
More than 350-thousand students from around  
the world are vying to compete in the FIRST

51  
00:04:19,590 --> 00:04:23,080  
Championship to be held in late April, in  
St. Louis.

52

00:04:23,080 --> 00:04:24,980

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