
SPACE STATION
SPEED
LIMIT
i7500
28000

1
00:00:01,000 --> 00:00:04,950
"Here's some of the stories trending This
Week at NASA!"

2
00:00:04,950 --> 00:00:09,320
This week, the Orbiting Carbon Observatory-2
mission was discussed during a prelaunch briefing

3
00:00:09,320 --> 00:00:10,849
at NASA headquarters.

4
00:00:10,849 --> 00:00:16,900
OCO-2, the first NASA spacecraft dedicated
to studying carbon dioxide in Earth's atmosphere,

5
00:00:16,900 --> 00:00:21,689
will provide a more complete, global picture
of CO-2, the leading human-produced greenhouse

6
00:00:21,689 --> 00:00:23,279
gas affecting our climate.

7
00:00:23,279 --> 00:00:29,830
Launch is scheduled for July 1 from California's
Vandenberg Air Force Base.

8
00:00:29,830 --> 00:00:34,120
During a National Aeronautic Association luncheon
in Arlington, Virginia, NASA Administrator

9
00:00:34,120 --> 00:00:39,530
Charlie Bolden spoke about the wide array
of technologies NASA is working on ... including

10
00:00:39,530 --> 00:00:44,640
those that will enable future missions to
deep space, research to reduce aircraft noise

11
00:00:44,640 --> 00:00:49,620

and emissions in our skies and the capabilities needed to protect us from asteroids and other

12
00:00:49,620 --> 00:00:51,270
near Earth objects.

13
00:00:51,270 --> 00:00:55,760
The National Aeronautic Association holds annual events to recognize achievements in

14
00:00:55,760 --> 00:00:58,289
aeronautics.

15
00:00:58,289 --> 00:01:03,239
NASA astronaut Mike Hopkins visited the National Institutes of Health in Bethesda, Maryland

16
00:01:03,239 --> 00:01:08,310
to discuss his recent mission on the International Space Station and the research being conducted

17
00:01:08,310 --> 00:01:14,530
aboard the station in human biology, life sciences and other areas, including NIH-funded

18
00:01:14,530 --> 00:01:15,659
investigations.

19
00:01:15,659 --> 00:01:21,860
Hopkins spent 166 days in space as a flight engineer for ISS Expeditions 37 and 38.

20
00:01:21,860 --> 00:01:28,570
The Russian Progress cargo ship that previously undocked from the ISS in late April to test

21
00:01:28,570 --> 00:01:33,500
an upgraded rendezvous system, has finally departed the station for good -- separating

22
00:01:33,500 --> 00:01:36,650
from the station as the two spacecraft passed
over Mongolia.

23
00:01:36,650 --> 00:01:42,340
The Progress, filled with trash and other
unneeded items, later burned up while reentering

24
00:01:42,340 --> 00:01:45,200
Earth's atmosphere.

25
00:01:45,200 --> 00:01:50,130
NASA and Lockheed Martin engineers have installed
the largest heat shield ever constructed...

26
00:01:50,130 --> 00:01:55,520
on the Orion spacecraft crew module -- a major
milestone on the path toward Exploration Flight

27
00:01:55,520 --> 00:02:00,409
Test-1 -- Orion's first spaceflight targeted
for early December.

28
00:02:00,409 --> 00:02:04,500
The heat shield is made with a coating called
Avcoat, which protects the crew module from

29
00:02:04,500 --> 00:02:10,500
the extreme heat of reentry into the Earth's
atmosphere and the cold of space

30
00:02:10,500 --> 00:02:15,530
Eighteen robotics teams from across the nation
participated in NASA's 2014 Sample Return

31
00:02:15,530 --> 00:02:20,260
Robot Challenge at Worcester Polytechnic Institute
in Massachusetts.

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00:02:20,260 --> 00:02:24,870
Robots in the competition were designed to
locate and retrieve geologic samples from

33
00:02:24,870 --> 00:02:28,430
wide and varied terrains -- without human
controls.

34
00:02:28,430 --> 00:02:33,760
The challenge is meant to encourage innovations
in automatic navigation and robotic manipulator

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00:02:33,760 --> 00:02:35,430
technologies.

36
00:02:35,430 --> 00:02:39,480
Innovations from the challenge may improve
NASA's capability to explore a variety of

37
00:02:39,480 --> 00:02:42,280
space destinations.

38
00:02:42,280 --> 00:02:46,959
The Smithsonian's National Air and Space Museum
in Washington presented a program Thursday

39
00:02:46,959 --> 00:02:52,720
called Sally Ride: Life Stories, about the
life and historical impact of America's First

40
00:02:52,720 --> 00:02:57,640
Woman in Space and the history of women entering
the astronaut corps.

41
00:02:57,640 --> 00:03:03,620
On June 18, 1983, Ride became the first U.S.
female astronaut in space when she launched

42
00:03:03,620 --> 00:03:06,790
on space shuttle Challenger's STS-7 mission.

43
00:03:06,790 --> 00:03:09,800
Ride passed away in 2012.

44
00:03:09,800 --> 00:03:11,489
And that's what's up this week @NASA ...