

AND WORKING



The Space Shuttle
30 Years of Service

1

00:00:00,669 --> 00:00:05,120

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

2

00:00:05,120 --> 00:00:11,200

NASA astronaut Kjell Lindgren made several appearances in the DC area April 25-29, to

3

00:00:11,200 --> 00:00:16,109

share highlights of his recent five-month mission aboard the International Space Station.

4

00:00:16,109 --> 00:00:20,520

On Tuesday morning at the Smithsonian National Air and Space Museum, he showed imagery from

5

00:00:20,520 --> 00:00:23,660

his spaceflight and answered questions.

6

00:00:23,660 --> 00:00:27,539

That evening Lindgren threw out the first pitch at Nationals Park before the Major League

7

00:00:27,539 --> 00:00:30,270

Baseball game between Washington and Philadelphia.

8

00:00:30,270 --> 00:00:35,929

He also attended the Tech Day on Capitol Hill event on Thursday that highlighted technology

9

00:00:35,929 --> 00:00:41,229

development and research being conducted on the station to help NASA achieve its future

10

00:00:41,229 --> 00:00:43,319

missions.

11

00:00:43,319 --> 00:00:48,510

Deputy Administrator Dava Newman was one of

the NASA officials to participate in The Smithsonian

12

00:00:48,510 --> 00:00:54,149

Magazine's The Future is Here Festival,
on April 24 at the Shakespeare Theater Company's

13

00:00:54,149 --> 00:00:56,730

Sidney Harman Hall, in Washington.

14

00:00:56,730 --> 00:01:01,260

Jim Green, NASA's Director of Planetary
Science also participated.

15

00:01:01,260 --> 00:01:06,721

The annual festival began in 2013 to bring
together experts in science, technology, space

16

00:01:06,721 --> 00:01:12,640

exploration, and arts to explore new horizons
of human knowledge and eye-opening possibilities

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00:01:12,640 --> 00:01:15,260

for the future.

18

00:01:15,260 --> 00:01:20,750

NASA commercial crew astronauts Eric Boe and
Suni Williams tested new training simulators

19

00:01:20,750 --> 00:01:24,070

at Boeing's St. Louis headquarters on April
26.

20

00:01:24,070 --> 00:01:30,400

The new part-task trainers will help the astronauts
become familiar with normal operations of

21

00:01:30,400 --> 00:01:36,490

the company's CST-100 Starliner spacecraft
and safely train for unexpected issues crews

22
00:01:36,490 --> 00:01:40,439
might encounter on flights to the International
Space Station.

23
00:01:40,439 --> 00:01:46,700
Last year, NASA selected Boe, Williams, Bob
Behnken, and Doug Hurley to train for upcoming

24
00:01:46,700 --> 00:01:54,460
commercial crew test flights aboard the Starliner
and SpaceX's Crew Dragon spacecraft.

25
00:01:54,460 --> 00:01:58,869
Aircraft crews and mechanics at NASA's Armstrong
Flight Research Center have been busy preparing

26
00:01:58,869 --> 00:02:05,990
a DC-8 and King Air aircraft to conduct science
flights May 2 to June 14 in South Korea as

27
00:02:05,990 --> 00:02:10,459
part of the Korean U.S. Air Quality mission,
or KORUS-AQ.

28
00:02:10,459 --> 00:02:14,950
The joint campaign between NASA and South
Korea's National Institute of Environmental

29
00:02:14,950 --> 00:02:20,920
Research is one of eight Earth Expeditions
field studies NASA is conducting this year.

30
00:02:20,920 --> 00:02:26,340
The mission will combine observations from
aircraft, satellites, ships and ground stations

31
00:02:26,340 --> 00:02:31,150
to assess air quality across urban, rural
and coastal areas of South Korea.

32
00:02:31,150 --> 00:02:35,299
The data collected will be used to help find
new solutions to the air pollution health

33
00:02:35,299 --> 00:02:41,260
threat, not just on the Korean Peninsula,
but all around the world.

34
00:02:41,260 --> 00:02:45,930
Scientists at NASA's Marshall Space Flight
Center in Huntsville, Alabama, have partnered

35
00:02:45,930 --> 00:02:51,439
with the National Center for Atmospheric Research
in Boulder, Colorado, and other institutions

36
00:02:51,439 --> 00:02:56,569
to produce a map that can help forecast the
potential spread of Zika virus in the United

37
00:02:56,569 --> 00:02:57,870
States.

38
00:02:57,870 --> 00:03:03,849
The research team looked at several key factors
-- including temperature, rainfall and socioeconomic

39
00:03:03,849 --> 00:03:08,540
factors -- that contribute to the spread of
the virus, to understand where and when a

40
00:03:08,540 --> 00:03:10,980
potential outbreak may occur.

41
00:03:10,980 --> 00:03:17,500
The fifth annual International Space Apps
Challenge, April 22-24 featured astronaut

42
00:03:17,500 --> 00:03:22,510

Doug Wheelock at the “global mainstage”
event in Pasadena, California – which included

43
00:03:22,510 --> 00:03:26,390
a data bootcamp and a 48-hour hackathon.

44
00:03:26,390 --> 00:03:30,580
In all, activities for this year’s challenge,
sponsored by NASA’s Office of The Chief

45
00:03:30,580 --> 00:03:36,870
Information Officer, took place in more than
161 locations in 73 countries – with participants

46
00:03:36,870 --> 00:03:42,860
using NASA data to develop software, hardware,
mobile apps and other possible solutions for

47
00:03:42,860 --> 00:03:47,900
space exploration missions and issues on Earth.

48
00:03:47,900 --> 00:03:49,980
And that’s what’s up this week @NASA ...