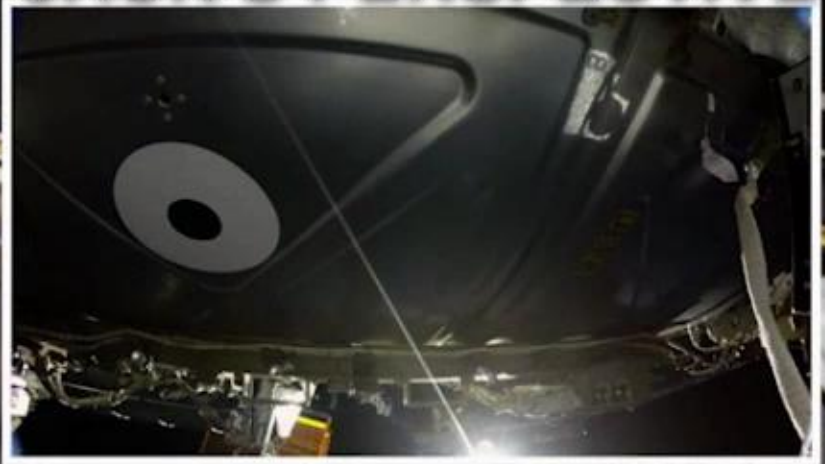


JACK'S PERSPECTIVE



1
00:00:00,810 --> 00:00:05,000

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

2
00:00:05,000 --> 00:00:06,990

\h
Acting Administrator Robert Lightfoot was

3
00:00:06,990 --> 00:00:12,030

in Kazakhstan on July 28 to observe the launch to the International Space Station of our

4
00:00:12,030 --> 00:00:18,009

astronaut Randy Bresnik with his crewmates – Sergey Ryazanskiy of Roscosmos, and Paolo

5
00:00:18,009 --> 00:00:22,710

Nespoli of the European Space Agency. The trio is scheduled to spend more than four

6
00:00:22,710 --> 00:00:28,630

months on the station working on hundreds of science and technology experiments.

7
00:00:28,630 --> 00:00:31,140

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We released new video of astronaut Jack Fischer

8
00:00:31,140 --> 00:00:36,980

that was captured during a spacewalk outside the space station in May 2017. The footage,

9
00:00:36,980 --> 00:00:42,580

which is available in Ultra High Definition, includes the view from a small camera attached

10
00:00:42,580 --> 00:00:46,460

to Fischer’s spacesuit – to give you an idea of what astronauts see when you’re

11
00:00:46,460 --> 00:00:52,470
looking at them – through the lens of a camera operated from inside the station.\h

12
00:00:52,470 --> 00:00:53,470
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13
00:00:53,470 --> 00:00:58,110
We participated in the Experimental Aircraft Association's 2017\hAirVenture\hevent during

14
00:00:58,110 --> 00:01:04,000
the week of July 24 in Oshkosh, Wisconsin. Those in attendance had an opportunity to

15
00:01:04,000 --> 00:01:09,829
learn about technologies from across the agency – including our progress developing experimental,

16
00:01:09,829 --> 00:01:15,070
or "X"-planes and other aircraft, work aboard the International Space Station, Earth

17
00:01:15,070 --> 00:01:20,490
science, the solar system, and our plan for sending astronauts to deep space destinations,

18
00:01:20,490 --> 00:01:23,490
including Mars.
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19
00:01:23,490 --> 00:01:29,630
During the total solar eclipse on Aug. 21, 2017, a team of NASA-funded scientists aboard

20
00:01:29,630 --> 00:01:36,609
two retrofitted WB-57F jets, will use telescopes mounted on the planes to capture the clearest

21
00:01:36,609 --> 00:01:42,170
images of the Sun's outer atmosphere, or corona, to date. They will also capture the

22
00:01:42,170 --> 00:01:47,810
first-ever thermal images of Mercury – to study how temperatures vary across that planet's

23
00:01:47,810 --> 00:01:52,659
surface. The eclipse is a rare opportunity to learn more about the Sun and its effects

24
00:01:52,659 --> 00:01:56,079
on Earth's upper atmosphere.
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25
00:01:56,079 --> 00:02:01,090
On July 25, engineers at our Stennis Space Center, in Mississippi conducted a successful

26
00:02:01,090 --> 00:02:07,069
test of the third RS-25 engine flight controller. The flight controller helps the engine communicate

27
00:02:07,069 --> 00:02:12,610
with our Space Launch System – the world's most powerful rocket. Four RS-25s will help

28
00:02:12,610 --> 00:02:17,819
power the SLS on its inaugural flight with the Orion spacecraft, known as Exploration

29
00:02:17,819 --> 00:02:20,290
Mission-1.
\h

30
00:02:20,290 --> 00:02:22,290
And that's what's up this week @NASA ...
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