



ANATOLY SOLOVYEV



MIKE LOPEZ-ALEGRIA



PEGGY WHITSON



JOHN GRUNSFELD



JERRY ROSS

Spacewalk

ALL-TIME LEADERS



1
00:00:00,859 --> 00:00:05,020

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

2
00:00:05,020 --> 00:00:10,200

Acting Administrator Robert Lightfoot discussed our Fiscal Year 2018 budget request on May

3
00:00:10,200 --> 00:00:12,789

23, during his State of NASA address.

4
00:00:12,789 --> 00:00:18,440

“We got 19.1 billion as an agency, and it really reflects the president’s and the

5
00:00:18,440 --> 00:00:20,360

administration’s confidence in us.”

6
00:00:20,360 --> 00:00:25,010

Lightfoot thanked employees and attributed that confidence reflected in the budget proposal

7
00:00:25,010 --> 00:00:26,770

to the work of thousands of people.

8
00:00:26,770 --> 00:00:31,120

“We have a historic and enduring purpose as an agency, and that historic and enduring

9
00:00:31,120 --> 00:00:36,060

purpose is really around three major strategic themes, in my mind, right?

10
00:00:36,060 --> 00:00:39,590

It’s discover, explore and develop.”

11
00:00:39,590 --> 00:00:44,120

Astronauts Peggy Whitson and Jack Fischer successfully completed an unscheduled spacewalk

- 12
00:00:44,120 --> 00:00:49,460
outside the International Space Station on
May 23, to replace a failed computer relay
- 13
00:00:49,460 --> 00:00:54,430
box that helps regulate the radiators, cooling
loops and other station hardware.
- 14
00:00:54,430 --> 00:00:59,420
They also installed a pair of antennas to
help improve wireless communications on future
- 15
00:00:59,420 --> 00:01:00,420
spacewalks.
- 16
00:01:00,420 --> 00:01:04,970
This was Whitson's 10th spacewalk – moving
her into third place on the all-time list
- 17
00:01:04,970 --> 00:01:07,750
for most cumulative spacewalking time.
- 18
00:01:07,750 --> 00:01:11,460
It was the 2nd spacewalk for Fischer.
- 19
00:01:11,460 --> 00:01:17,060
Another successful test of an RS-25 engine
flight controller on May 23 – the second
- 20
00:01:17,060 --> 00:01:18,420
in a series.
- 21
00:01:18,420 --> 00:01:22,540
The flight controller, or “brain” of the
engine – helps it communicate with our Space
- 22
00:01:22,540 --> 00:01:25,950
Launch System (SLS) – the world's most

powerful rocket.

23

00:01:25,950 --> 00:01:31,840

Four RS-25s will help power SLS on its inaugural flight with the Orion spacecraft, known as

24

00:01:31,840 --> 00:01:35,610

Exploration Mission-1 (EM-1).

25

00:01:35,610 --> 00:01:40,900

Data from our Kepler spacecraft have been used to confirm suspected details about the

26

00:01:40,900 --> 00:01:47,150

orbit of TRAPPIST-1h, the outermost and least understood of the seven Earth-size planets

27

00:01:47,150 --> 00:01:53,159

scientists recently announced are in the TRAPPIST-1 system – about 40 light-years away.

28

00:01:53,159 --> 00:01:59,130

The Kepler data helped astronomers determine that the planet orbits its star every 19 days.

29

00:01:59,130 --> 00:02:03,530

But at six million miles away – on the edge of the cool dwarf star's habitable zone

30

00:02:03,530 --> 00:02:09,599

– TRAPPIST-1h is likely too cold for life as we know it.

31

00:02:09,599 --> 00:02:11,590

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