



November 2018

Update

**Oklahoma Space
Alliance**

A Chapter of The
National Space Society

A free email newsletter of the Oklahoma Space Alliance

Crew Safe After Soyuz Launch Abort



Nasa Article and video: Crew Safe After Soyuz Launch Abort
<https://www.nasa.gov/multimedia/videogallery/index.html>

November 2018 OSA Meeting

Saturday, November 10, 2018

2:00 PM

Earl's Rib Palace

920 SW 25th, Moore, OK

405-793-7427

Program — Space News
and Events,

Website: <http://osa.nss.org>

Quote of the Month

“The universe is a pretty big place. If it's just us, seems like an awful waste of space.” Carl Sagan

Oklahoma Space Alliance

Update

November 10 , 2018

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NASA's Parker Solar Probe just smashed two all-time records on its way to the sun



Illustration of NASA's Parker Solar Probe approaching the Sun JPL-
NASA

Around 11 p.m. on Monday, October 29, NASA's mission to "touch the sun" officially broke the record for fastest moving spacecraft—therefore becoming the fastest human-made object ever, relative to the sun. Registering just one historical moment wasn't enough for the plucky explorer though, because on the same day the Parker Solar Probe also got closer to the sun than any other probe before it.

video 2:33

<https://www.youtube.com/watch?v=eAcgOK5ngE>

Table of Contents

Contents

<u>Crew Safe After Soyuz Launch Abort</u>	<u>1</u>
<u>November 2018 OSA Meeting</u>	<u>1</u>
<u>Saturday, November 10, 2018</u>	<u>1</u>
<u>Quote of the Month</u>	<u>1</u>
<u>NASA's Parker Solar Probe just smashed two all-time records on its way to the sun</u>	<u>2</u>
<u>Table of Contents</u>	<u>3</u>
<u>MILITARY SPACE</u>	<u>3</u>
<u>Space Has Always Been Militarized, Just Not Weaponized — Not Yet, Anyway</u>	<u>3</u>
<u>SPACE Exploration</u>	<u>4</u>
<u>SpaceX's 'Starman' and Its Tesla Roadster Are Now Beyond Mars</u>	<u>4</u>
<u>Week at NASA!</u>	<u>8</u>
<u>October 19 NASA weekly video 4:14 "Administrator Bridenstine chats with astronaut Nick Hague"</u>	<u>8</u>
<u>October 26 NASA weekly video 3:49 "Talking Moon to Mars and more"</u>	<u>8</u>
<u>November 3 NASA weekly video 3:38 "The Closest Spacecraft to the Sun"</u>	<u>8</u>
<u>Launches in the past month</u>	<u>8</u>
<u>That's All Folks</u>	<u>9</u>

MILITARY SPACE

Space Has Always Been Militarized, Just Not Weaponized — Not Yet, Anyway



In the most recent meeting of the National Space Council on Oct. 23, officials discussed how to implement a proposed new branch of the military called the Space Force. And over and over, they've pointed to the long history of American military leadership in space as justification for the organizational need.

It's a history that some space fans don't even realize exists. But when, for example, U.S. Vice President Mike Pence argues for the Space Force by saying that space has always been a military realm, he's portraying history accurately and isn't confessing to a violation of international treaties.

The White House does not foresee the creation of an independent space force before 2020, said US Vice President Mike Pence, who heads the National Space Council, a government body that was revived last year after a decades-long hiatus.

Article <https://www.space.com/42298-space-weaponized-already-militaryhistory.html>

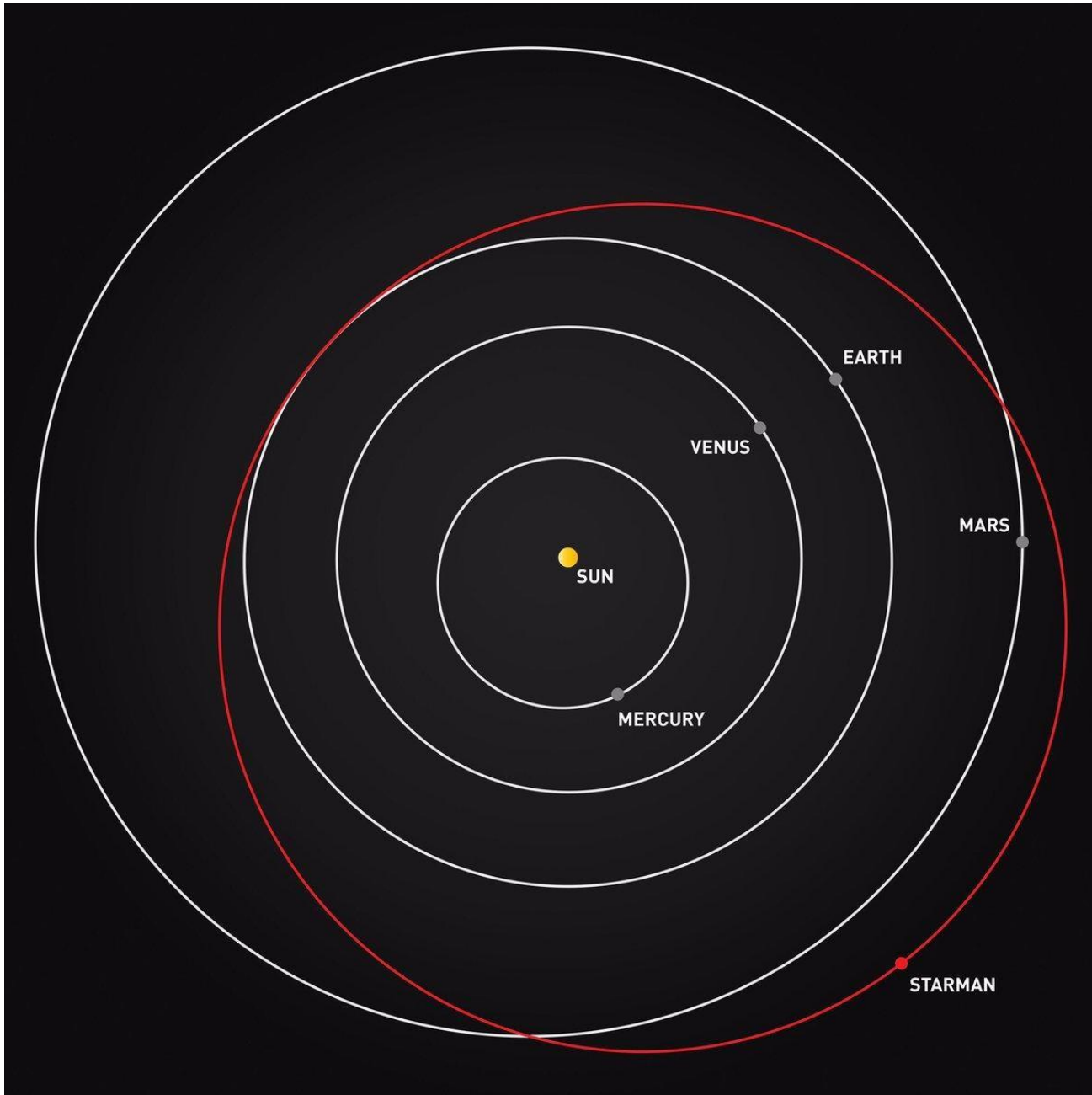
Video 1:53 <https://www.space.com/42298-space-weaponized-already-militaryhistory.html>

SPACE Exploration

SpaceX's 'Starman' and Its Tesla Roadster Are Now Beyond Mars

The red electric car and its spacesuit-clad mannequin driver, which launched on the maiden mission of SpaceX's huge Falcon Heavy rocket in February, have made it beyond the orbit of Mars, company representatives said Friday night (Nov. 2).

"Starman's current location. Next stop, the restaurant at the end of the universe," SpaceX posted on Twitter Friday, along with an orbit diagram.



Crewed Soyuz flights set to resume after Russia blames close call on final assembly error

MOSCOW — Accident investigators confirmed that the failed Soyuz launch to the International Space Station three weeks ago was caused by a damaged sensor in the booster package, a fault attributed to the final assembly stage of the rocket at the Baikonur Cosmodrome, Oleg Skorobogatov, deputy director of Russia's Central Research Institute of Machine Building (TsNIIMASH) told reporters here Nov. 1.



Liftoff of the Soyuz rocket carrying the Soyuz MS-10 spacecraft Oct. 11. Credit: NASA

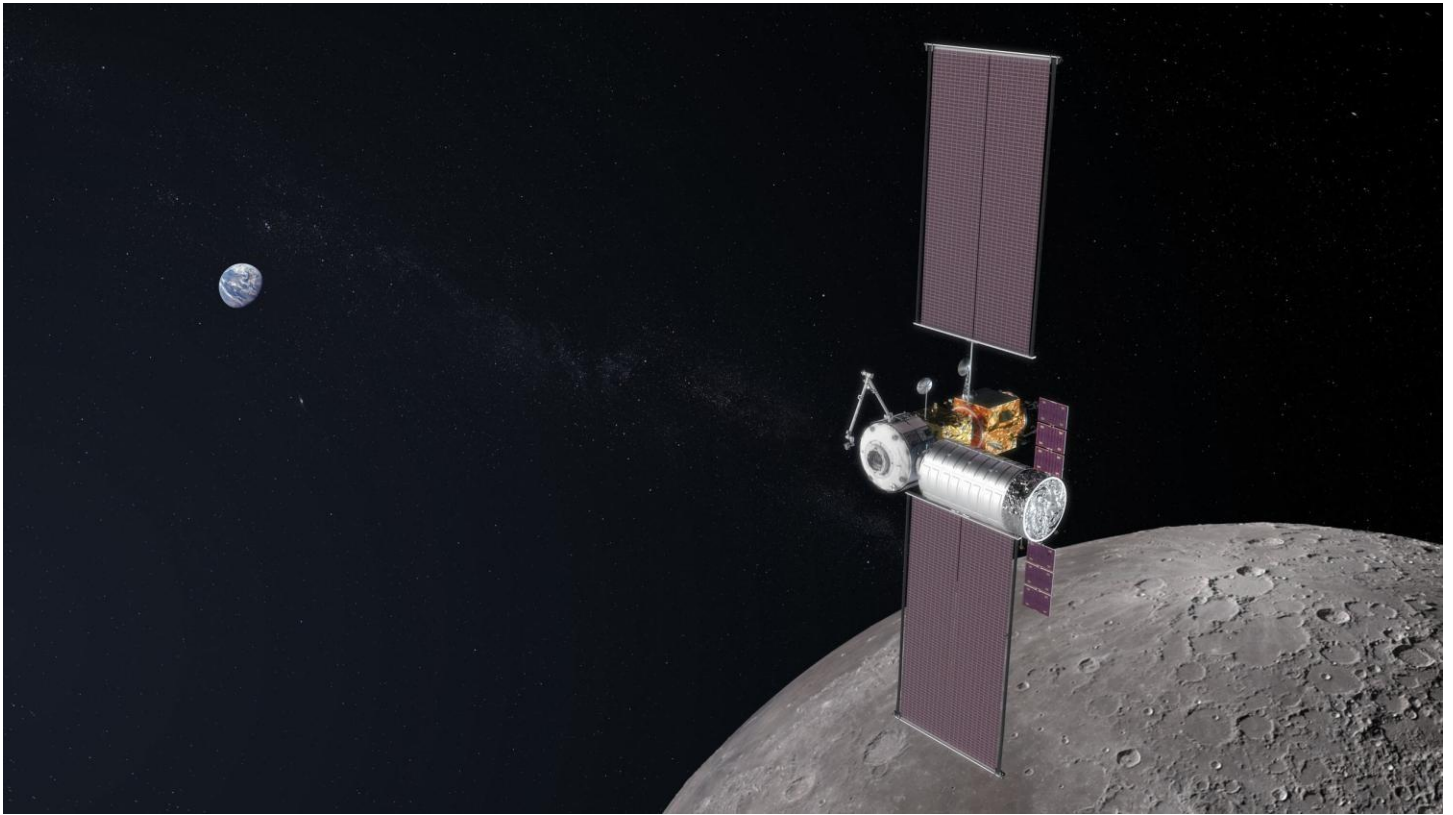
Full story in SpaceNews : <https://spacenews.com/crewed-soyuz-flights-set-to-resume-after-russia-blames-close-call-on-final-assembly-error/>

Soyuz Launch Abort

Astronaut Nick Hague describes His Shaking Experience During Soyuz Failure Video 6:41 <https://www.youtube.com/watch?v=vpCRWyWiYXc>

NASA Head Gets Emotional in Soyuz Launch Failure Interview video 10:37 <https://www.youtube.com/watch?v=95QsoL5tme4>

NASA Needs Help Shipping Cargo to Its Future Lunar Space Station



An artist's depiction of the Gateway, a proposed lunar space station, under construction.

Credit: NASA

NASA is asking for help making shipments to a future lunar space station 240,000 miles (almost 400,000 kilometers) away. The agency opened a solicitation this week asking companies to consider what they'd need to deliver cargo; United States firms have until Nov. 2 to provide their input.

The agency is designing its [Lunar Orbital Platform-Gateway](#), a space station that is expected to orbit the moon and host astronauts beginning sometime in the mid2020s. But the design work is starting now, to make sure the agency is ready and commercial partners are available.

Right now, NASA is looking for companies that would be interested in carrying both pressurized and unpressurized cargo, just like SpaceX's Dragon does for cargo missions to the International Space Station. NASA said it anticipates purchasing at least three cargo delivery missions; the first, tentatively scheduled for 2024, would

likely include "a robotic arm provided by an international partner," the agency said in a statement. \

NASA isn't ready to actually hire a contractor yet, as the agency is just looking for more information about who might be interested and what factors would influence its willingness and pricing, hence the short turnaround for this request

Full Article including video: Space.com <https://www.space.com/42269-nasa-lunargateway-cargo-shipments.html>

Week at NASA!

Review of the weekly videos release by NASA.

October 19 NASA weekly video 4:14 “Administrator Bridenstine chats with astronaut Nick Hague”

<https://www.youtube.com/watch?v=iauo11KsAPY&index=4&list=PL1D946ACB21752C0E&t=0s>

October 26 NASA weekly video 3:49 “Talking Moon to Mars and more”

<https://www.youtube.com/watch?v=mi2PCuGSll0&index=3&list=PL1D946ACB21752C0E&t=0s>

November 3 NASA weekly video 3:38 “The Closest Spacecraft to the Sun”

<https://www.youtube.com/watch?v=le6NhxabmHs&index=2&list=PL1D946ACB21752C0E&t=0s>

Launches in the past month

October 2018 Launch Report

Oct 8th - Falcon 9 | SAOCOM 1A

Oct 9th - Long March 2C | Yaogan 32-01 & Yaogan 32-02

Oct 11th - Soyuz FG | Soyuz MS-10

Oct 15th - Long March 3B/YZ-1 | Beidou-3 M15 and M16

Oct 17th - Atlas V | AEHF-4

Oct 20th - Ariane 5 | BepiColombo

Oct 24th - Long March 4B | Haiyang 2B

Oct 29th - H-2A | KhalifaSat & GOSAT-2

Oct 25th - Soyuz-2.1b | Lotos S-1 No. 3

Oct 27th - Zhuque-1 | Weilai-1 (Future-1)

Oct 29th - Long March 2C | CFOSAT

Video 14: 47 https://www.youtube.com/watch?v=S47_O_BEMiw

ONE OF THE MOST DETAILED ISS TOUR!!!

Video 50:31 <https://www.youtube.com/watch?v=QvTmdIhYnes>

That's All Folks



NASA photo of Space X launch on October 7, 2018