

Why do humans not bring waste to the Sun?

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So why don't we bring waste to the Sun - the sky-high natural incinerator?

Technology

Obviously, to get to the universe, we need **missiles** . But transporting garbage to the universe is not as simple as giving it to a rocket and then throwing it away.

Launching a spacecraft to the Sun is several times more difficult than setting foot on the Moon or bringing robots to explore Mars.

The first problem is that **rockets can explode** . We dump all **the waste, including radioactive waste** , and if it explodes, the consequences will be unthinkable.

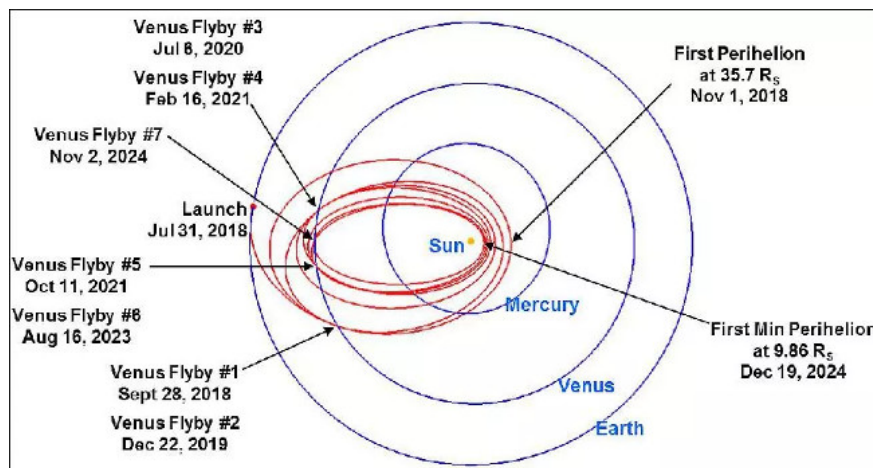
Ignoring the incident, if the rocket is safe and does not explode, the launch of the missile will also face numerous difficulties.



As we know, the **Earth rotates around the Sun at a speed of 30 km / s** . In order for a rocket to carry the "gift" that we intend to give to the Sun, it must fly against the direction of Earth's orbit. With current technology, the fastest ship ever launched only flies up to 16 km / s.

In fact, we will spend less energy to go to another star, rather than launch a spacecraft from Earth directly to our own Sun. Because then, we only need to launch a spacecraft at 11 km / s, in the same direction as the rotation of Earth's orbit, so that the ship can escape the Solar System. We can launch a spacecraft from Mars to the Sun even more easily than from the Earth, because the closer it is to the Sun, the faster the rotation speed will be, and the more energy it will take to overcome that speed. .

That is why researchers at NASA have drawn up a plan to bring the solar exploration satellite around Venus and then round to the task.



Flight schedule of the Sun exploration satellite.

Finance

According to calculations, we had to spend 200 million USD to bring 7 tons of goods to the space station. A few years ago, The Atlantic's calculations showed that we emitted 1 trillion tons of garbage each year. And with all that garbage, we need 168 million spacecraft launches to get the full amount of waste a year, at a huge **price of \$ 33,696,200,000,000** .

SpaceX has just announced that it will cut its cost to the universe by half compared with the current future, but we still cannot reach that huge number.

So, carrying waste into outer space is more expensive than you think. Do not again wonder why we do not bring waste to the universe / Sun / black hole.

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