

# Kosmos 2529

**Kosmos 2529** (Russian: Космос 2529 meaning *Space 2529*) is a Russian military satellite launched in 2018 as part of the GLONASS satellite navigation system.

This satellite is a GLONASS-M satellite, also known as Uragan-M, and is numbered Uragan-M No. 757.<sup>[3]</sup>

Kosmos 2527 was launched from Site 43/4 at Plesetsk Cosmodrome in northern Russia. A Soyuz-2-1b carrier rocket with a Fregat upper stage was used to perform the launch which took place at 20:17 UTC on 3 November 2018. The launch successfully placed the satellite into a Medium Earth orbit. It subsequently received its Kosmos designation, and the international designator 2018-o86A. The United States Space Command assigned it the Satellite Catalog Number 43687.<sup>[1]</sup>

The satellite is in orbital plane 2, in orbital slot 7.<sup>[4]</sup> As of December 2018 it remains in operation.

## Kosmos 2529



Glonass-M satellite model

<b>Mission type</b>	Navigation
<b>Operator</b>	<u>Russian Aerospace Defence Forces</u>
<b>COSPAR ID</b>	2018-086A <sup>[1]</sup>
<b>SATCAT no.</b>	43687 <sup>[1]</sup>
<b>Website</b>	<u>GLONASS status</u> ( <a href="https://web.archive.org/web/20130504220156/http://www.glonass-ianc.rsa.ru/en/GLONASS/">https://web.archive.org/web/20130504220156/http://www.glonass-ianc.rsa.ru/en/GLONASS/</a> )

### Spacecraft properties

<b>Spacecraft</b>	GLONASS No. 757
<b>Spacecraft type</b>	Uragan-M
<b>Manufacturer</b>	<u>Reshetnev ISS</u> <sup>[2]</sup>
<b>Launch mass</b>	1,414 kilograms (3,117 lb) <sup>[2]</sup>
<b>Dry mass</b>	250 kg <sup>[2]</sup>
<b>Dimensions</b>	1.3 metres (4 ft 3 in) diameter <sup>[2]</sup>

### Start of mission

<b>Launch date</b>	November 3, 2018, 20:17 UTC
<b>Rocket</b>	<u>Soyuz-2.1b/Fregat</u> <sup>[2][3]</sup>
<b>Launch site</b>	<u>Plesetsk 43/4</u>

<b>Contractor</b>	Russian Aerospace Defence Forces
<b>Orbital parameters</b>	
<b>Reference system</b>	<u>Geocentric</u>
<b>Regime</b>	<u>Medium Earth orbit</u>
<b>Semi-major axis</b>	25,507 km (15,849 mi) <sup>[1]</sup>
<b>Eccentricity</b>	0.0006485 <sup>[1]</sup>
<b>Perigee altitude</b>	19,120 km (11,880 mi) <sup>[1]</sup>
<b>Apogee altitude</b>	19,153 km (11,901 mi) <sup>[1]</sup>
<b>Inclination</b>	64.71 degrees <sup>[1]</sup>
<b>Period</b>	675.7 minutes <sup>[1]</sup>
<b>Epoch</b>	8 December 2018

## See also

- 2018 in spaceflight
- List of Kosmos satellites (2501–2750)
- List of R-7 launches (2015–19)



## References

1. "LIVE REAL TIME SATELLITE TRACKING AND PREDICTIONS: COSMOS 2529 (GLONASS)" (<https://n2yo.com/satellite/?s=435687#results>). n2yo.com. Retrieved December 8, 2018.

2. Anatoly Zak. "GLONASS network" (<http://www.russianspaceweb.com/uragan.html>). RussiaSpaceWeb.com. Retrieved October 21, 2018.

3. Stephen Clark (November 5, 2018). "Glonass navigation satellite in orbit after Soyuz launch" (<https://spaceflightnow.com/2018/11/05/glonass-navigation-satellite-in-orbit-after-soyuz-launch/>). Spaceflight Now. Retrieved December 8, 2018.

4. "GLONASS constellation status, 21.10.2018" (<https://web.archive.org/web/20170619193137/http://glonass-iac.ru/en/GLONASS/>). Information-analytical centre, Korolyov, Russia. December 8, 2018. Archived from the original (<https://www.glonass-iac.ru/en/GLONASS/>) on June 19, 2017. Retrieved December 8, 2018.

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