

Kosmos 2527

Kosmos 2527 (Russian: Космос 2527 meaning *Space 2527*) 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. 756.^[3]

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 21:46 UTC on 17 June 2018. The launch successfully placed the satellite into a Medium Earth orbit. It subsequently received its Kosmos designation, and the international designator 2018-053A. The United States Space Command assigned it the Satellite Catalog Number 43508.^[1]

The satellite is in orbital plane 1, in orbital slot 5.^[4] As of October 2018 it remains in operation.

Kosmos 2527



Glonass-M satellite model

Mission type	Navigation
Operator	<u>Russian Aerospace Defence Forces</u>
COSPAR ID	2018-053A ^[1]
SATCAT no.	43508 ^[1]
Website	<u>GLONASS status</u> (<u>https://web.archive.org/web/20130504220156/http://www.glonass-ianc.rsa.ru/en/GLONASS/</u>)

Spacecraft properties

Spacecraft	GLONASS No. 756
Spacecraft type	Uragan-M
Manufacturer	<u>Reshetnev ISS</u> ^[2]
Launch mass	1,414 kilograms (3,117 lb) ^[2]
Dry mass	250 kg ^[2]
Dimensions	1.3 metres (4 ft 3 in) diameter ^[2]

Start of mission

Launch date	June 17, 2018, 21:46 UTC
Rocket	<u>Soyuz-2.1b/Fregat</u> ^{[2][3]}
Launch site	<u>Plesetsk 43/4</u>

Contractor	Russian Aerospace Defence Forces
Orbital parameters	
Reference system	<u>Geocentric</u>
Regime	<u>Medium Earth orbit</u>
Semi-major axis	25,507 km (15,849 mi) ^[1]
Eccentricity	0.0006485 ^[1]
Perigee altitude	19,120 km (11,880 mi) ^[1]
Apogee altitude	19,153 km (11,901 mi) ^[1]
Inclination	64.71 degrees ^[1]
Period	675.7 minutes ^[1]
Epoch	21 October 2018

See also

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



References

- "LIVE REAL TIME SATELLITE TRACKING AND PREDICTIONS: COSMOS 2527 (GLONASS)" (<https://n2yo.com/satellite/?s=43508#results>). n2yo.com. Retrieved October 21, 2018.
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