

Kosmos 2522

Kosmos 2522 (Russian: Космос 2522 meaning *Space 2522*) is a Russian military satellite launched in 2017 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. 752.^[3]

Kosmos 2522 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 00:02 UTC on 22 September 2017. The launch successfully placed the satellite into a Medium Earth orbit. It subsequently received its Kosmos designation, and the international designator 2017-055A. The United States Space Command assigned it the Satellite Catalog Number 42939.^[1]

The satellite is in orbital plane 2, in orbital slot 14.^[4] As of March 2018 it remains in operation.

Kosmos 2522



Glonass-M satellite model

Mission type	Navigation
Operator	<u>Russian Aerospace Defence Forces</u>
COSPAR ID	2017-055A ^[1]
SATCAT no.	42939 ^[1]
Website	<u>GLONASS status</u> (https://web.archive.org/web/20130504220156/http://www.glonass-ianc.rsa.ru/en/GLONASS/)

Spacecraft properties

Spacecraft	GLONASS No. 752
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	September 22, 2017, 00:02 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	25,508 km (15,850 mi) ^[1]
Eccentricity	0.0005100 ^[1]
Perigee altitude	19,150 km (11,900 mi) ^[1]
Apogee altitude	19,124 km (11,883 mi) ^[1]
Inclination	64.71 degrees ^[1]
Period	675.7 minutes ^[1]
Epoch	31 March 2018

See also

- 2017 in spaceflight
- List of Kosmos satellites (2501–2750)
- List of R-7 launches (2015–19)



References

- "LIVE REAL TIME SATELLITE TRACKING AND PREDICTIONS: COSMOS 2522 (GLONASS)" (<http://n2yo.com/satellite/?s=42939>). n2yo.com. Retrieved March 31, 2018.
- Anatoly Zak. "GLONASS network" (<http://www.russianspaceweb.com/uragan.html>). RussiaSpaceWeb.com. Retrieved March 31, 2018.
- Stephen Clark (September 22, 2017). "Replenishment satellite launched into Russia's Glonass navigation fleet" (<https://spaceflightnow.com/2017/09/22/replacement-satellite-launched-into-russia-as-glonass-navigation-fleet/>). Spaceflight Now. Retrieved March 31, 2018.
- "GLONASS constellation status, 31.03.2018" (<https://web.archive.org/web/20170619193137/http://glonass-iac.ru/en/GLONASS/>). Information-analytical centre, Korolyov, Russia. March 31, 2018. Archived from the original (<https://www.glonass-iac.ru/en/GLONASS/>) on June 19, 2017. Retrieved March 31, 2018.

Retrieved from "https://en.wikipedia.org/w/index.php?title=Kosmos_2522&oldid=1140177689"

■