

Kosmos 2522

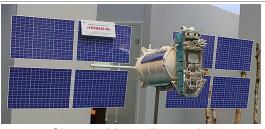
Kosmos 2522 (<u>Russian</u>: Kocmoc 2522 meaning *Space 2522*) is a Russian military <u>satellite</u> launched in 2017 as part of the GLONASS satellite navigation system.

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 $14.\frac{4}{2}$ As of March 2018 it remains in operation.

Kosmos 2522



Glonass-M satellite model

Mission type	Navigation
Operator	Russian Aerospace
	Defence Forces
COSPAR ID	2017-055A ^[1]
SATCAT no.	42939 ^[1]
Website	GLONASS status (h
	ttps://web.archive.or
	g/web/20130504220
	156/http://www.glon
	ass-ianc.rsa.ru/en/G
	LONASS/)

Spacecraft properties	
Spacecraft	GLONASS No. 752
Spacecraft type	Uragan-M
Manufacturer	Reshetnev ISS ^[2]
Launch mass	1,414 kilograms (3,117 lb) ^[2]
Dry mass	250 kg ^[2]
Dimensions	1.3 metres (4 ft 3 in) diameter $\frac{[2]}{}$
Start of mission	
Launch date	September 22,

Rocket

Launch site

2017, 00:02 UTC

2.1b/Fregat^{[2][3]}

Plesetsk 43/4

Soyuz-

_		
Contractor	Russian Aerospace Defence Forces	
	Defence i orces	
Orbital parameters		
Reference system	Geocentric	
Regime	Medium Earth orbit	
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

- 1. "LIVE REAL TIME SATELLITE TRACKING AND PREDICTIONS: COSMOS 2522 (GLONASS)" (ht tp://n2yo.com/satellite/?s=42939). n2yo.com. Retrieved March 31, 2018.
- 2. Anatoly Zak. "GLONASS network" (http://www.russianspaceweb.com/uragan.html). RussiaSpaceWeb.com. Retrieved March 31, 2018.
- 3. Stephen Clark (September 22, 2017). "Replenishment satellite launched into Russia's Glonass navigation fleet" (https://spaceflightnow.com/2017/09/22/replacement-satellite-launched-into-russi as-glonass-navigation-fleet/). Spaceflight Now. Retrieved March 31, 2018.
- "GLONASS constellation status, 31.03.2018" (https://web.archive.org/web/20170619193137/https://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.

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