GLONASS status update

Abuja, Nigeria, 5 October 2018

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Basic characteristics

**Constellation:** 24 satellites (3 planes, 8 satellites per a plane)

**Orbit type:** circular, altitude $H = 19\,100$ km

**Inclination of orbit:** $i = 64.8^\circ$

**Orbital period:** 11 h 15 min 44 sec

**Orbital planes:** spaced by 120° along equator

**Operational frequency bands:** L1, L2, L3
GLONASS Constellation status

Total number of satellites in GLONASS orbital constellation on 27.09.2018

- **Used for missions**: 24 sat.
- **To be brought into use**: -
- **Temporarily removed for maintenance**: 1 sat.
- **Studied by the Chief designer**: -
- **Orbital reserve**: -
- **Flight tests**: 1 sat.

Source - http://www.glonass-ianc.rsa.ru
### GLONASS-M FDMA Signal

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<th>ID</th>
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### GLONASS-M CDMA Signal

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Application of the GLONASS system

- Aviation
- Maritime/river transport
- Search and rescue systems
- Navigation in vehicles
- Agriculture
- Building and construction monitoring
- Mapping and geodesy
- Geological exploration and mining operations
- Scientific researches, astronauts
- Logistics and commerce
- Forestry
- Timing system
Thank you for your attention!