

Mission report

Mission details:

Name of the mission: TEST

Type of the mission: EO

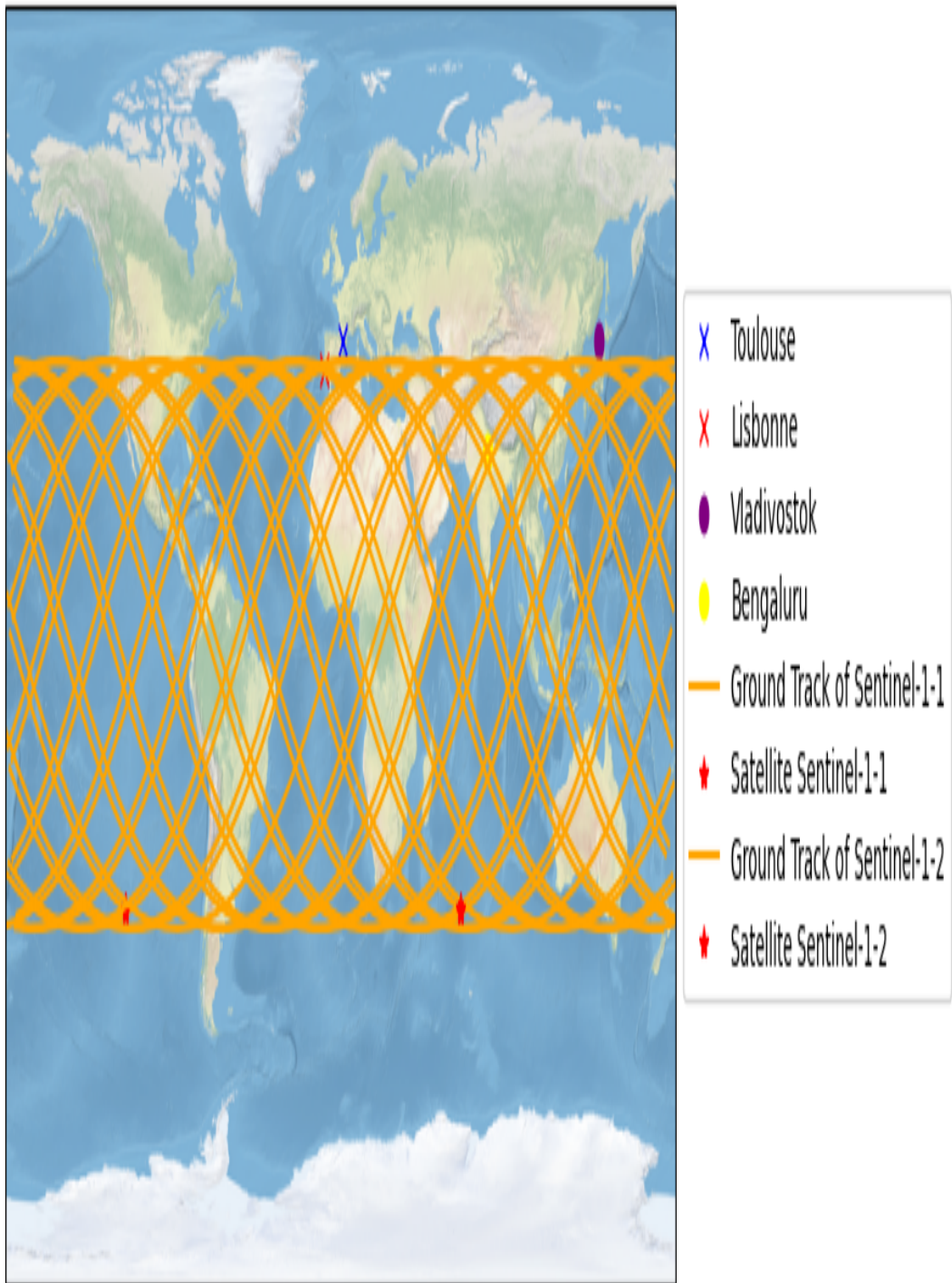
Duration of the mission: 1 days

Sun zenith angle of the mission: 20.0°

Ground station used during the mission: - Vladivostok
- Bengaluru

Point of interest of the mission: - Toulouse
- Lisbonne

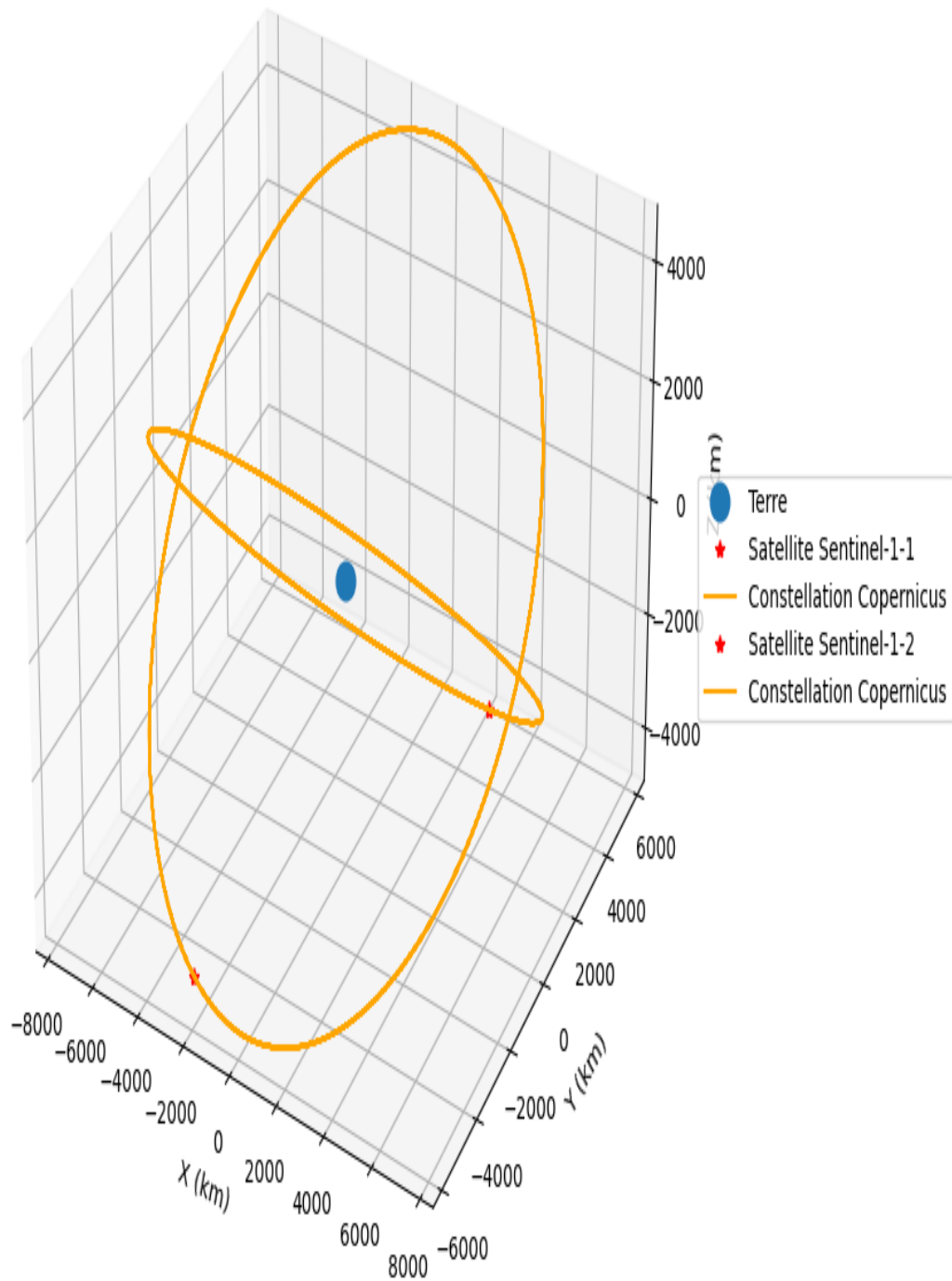
Satellite Ground Track



Mission's constellation name: Copernicus

Constellation details:

Satellite Orbit in 3D for 0 day



Name of the constellation: Copernicus

Number of satellites present in the constellation: 2

Number of orbital planes: 2

Phasing factor between each plane: 1

Name of the satellite model: Sentinel

Type of orbit: LEO

- Semi major axis: 7378.0 km

- Inclination: 40.0 °

- Eccentricity: 0.01

- Orbital period: 6307.032709557955 s

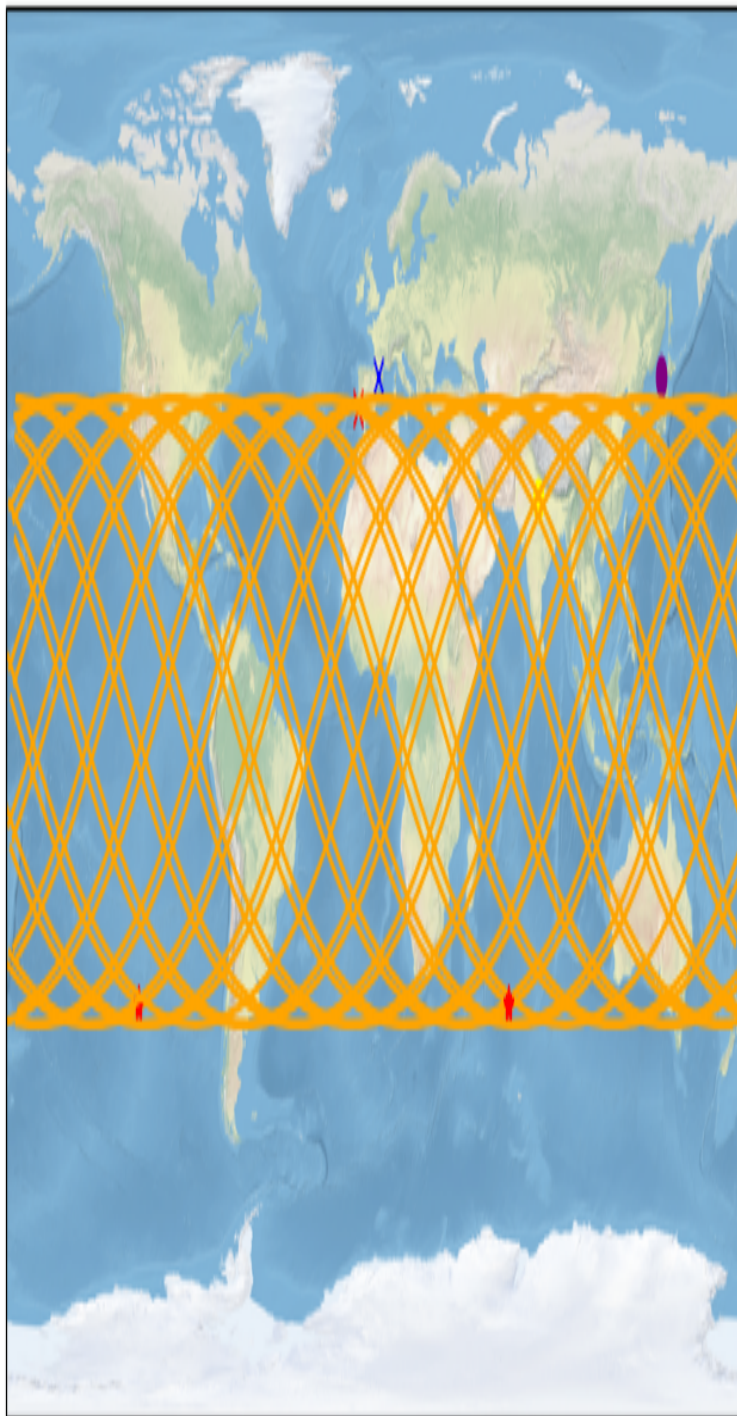
- Number of orbits per day: 13.698993485330373

- Revisit at 0°: PLACEHOLDER; at 45°: PLACEHOLDER; at 60°:PLACEHOLDER

- Swath: 25.0 km

- Depointing: 45.0 °

Satellite Ground Track



- X Toulouse
- X Lisbonne
- Vladivostok
- Bengaluru
- Ground Track of Sentinel-1-1
- ★ Satellite Sentinel-1-1
- Ground Track of Sentinel-1-2
- ★ Satellite Sentinel-1-2

Point of interest details:

Name of the point of interest: Toulouse

Coordinates : 43.0° 1.0°

Altitude : 120.0 m

Total number of times visible : PLACEHOLDER

Mean duration time : PLACEHOLDER s

Name of the point of interest : Lisbonne

Coordinates : 39.0965405° -8.8707199°

Altitude : 120.0 m

Total number of times visible : PLACEHOLDER

Mean duration time : PLACEHOLDER s

Ground Station details:

Name of the ground station: Vladivostok

Coordinates : 43.0° 139.0°

Altitude : 120.0 m

Antenna characteristics :

- Elevation : 8.0 °

- Band : Ku

- Debit : 10.0 Mbps

Total number of opportunities : PLACEHOLDER

Mean duration time : PLACEHOLDER s

Mean data size send/received : PLACEHOLDER Mb

Name of the ground station : Bengaluru

Coordinates : 27.574329814070964° 78.99782306243969°

Altitude : 200.0 m

Antenna characteristics :

- Elevation : 8.0 °

- Band : Ka

- Debit : 10.0 Mbps

Total number of opportunities : PLACEHOLDER

Mean duration time : PLACEHOLDER s

Mean data size send/received : PLACEHOLDER Mb