

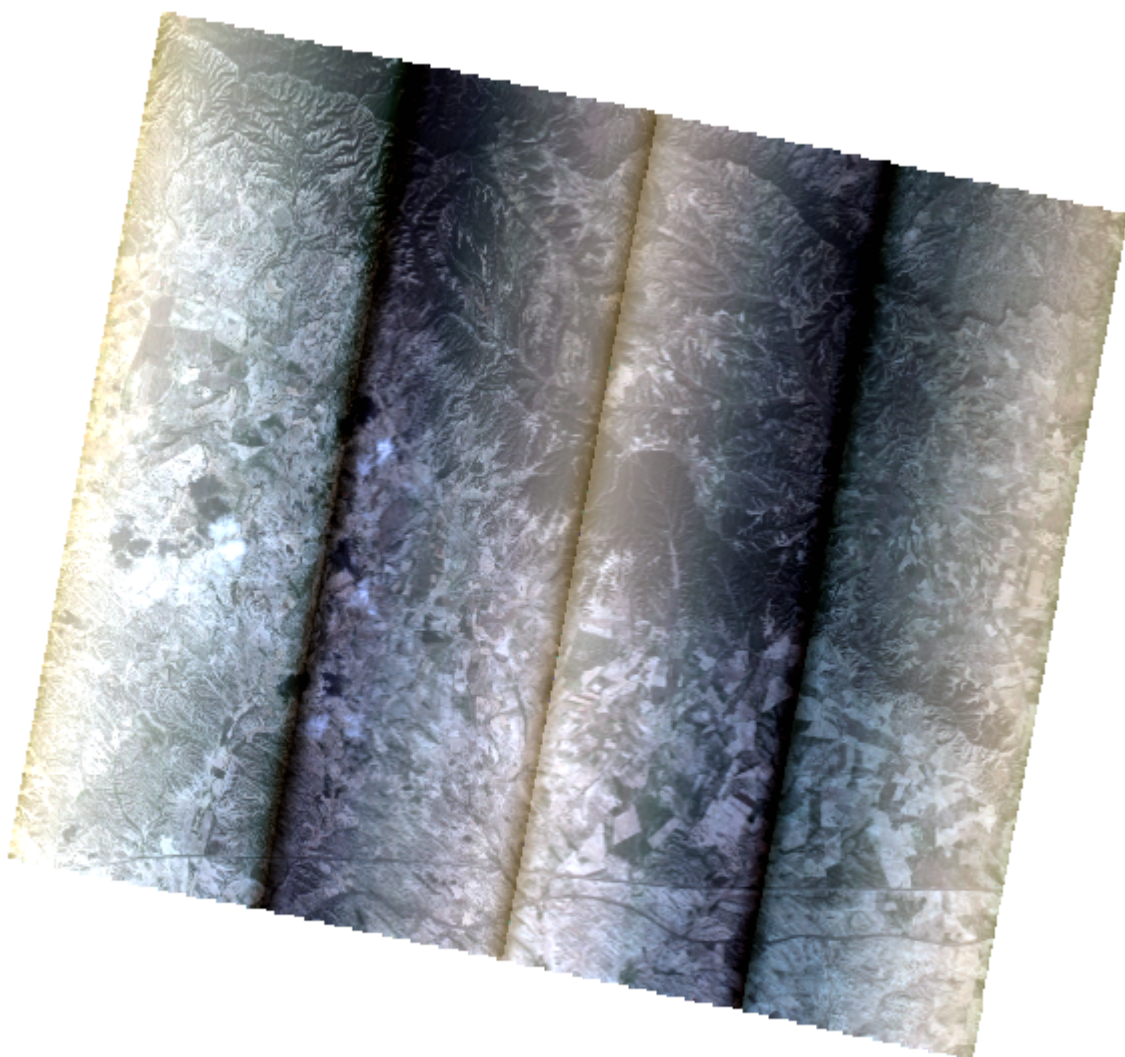


Level-0 Product quality report

TRUBIT-1_EO-100_20240928T094332_20240928T094336_L0_R3C1

Acquired: 28 Sep 2024 09:43:32 Z

Processed: 16 Apr 2025 14:55:48 Z



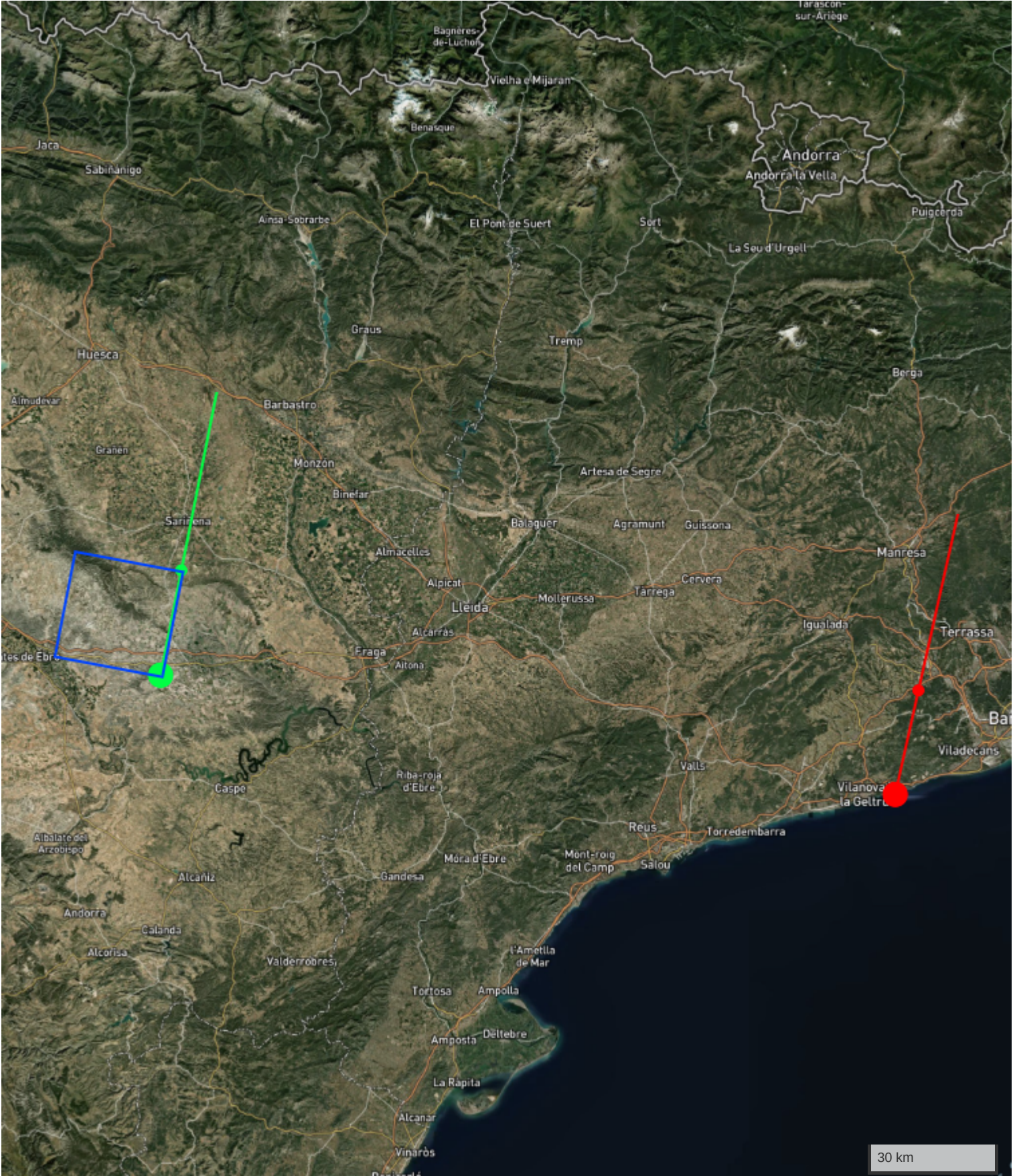
pink**matter**

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Map outline

The map below shows the inferred image outline in blue, while the red line represents the spacecraft's location projected down to earth. The green line serves as the location where the spacecraft is pointing. The circles colinear with the trajectories refers the when the imagery data started (small circle) and ended (large circle).



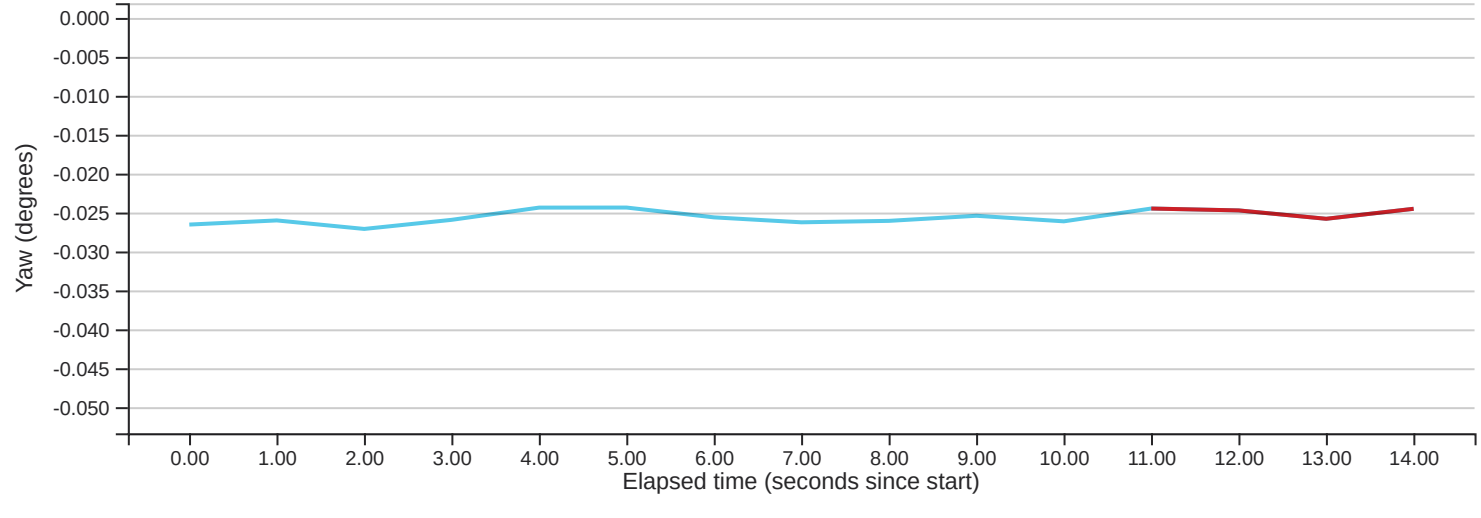
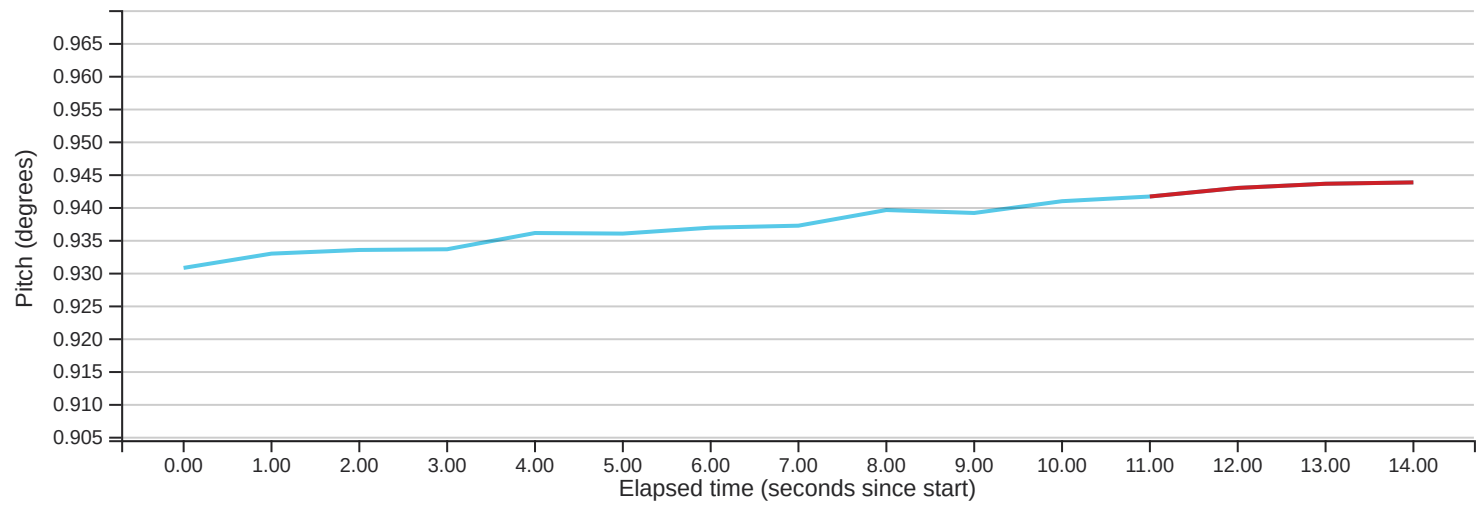
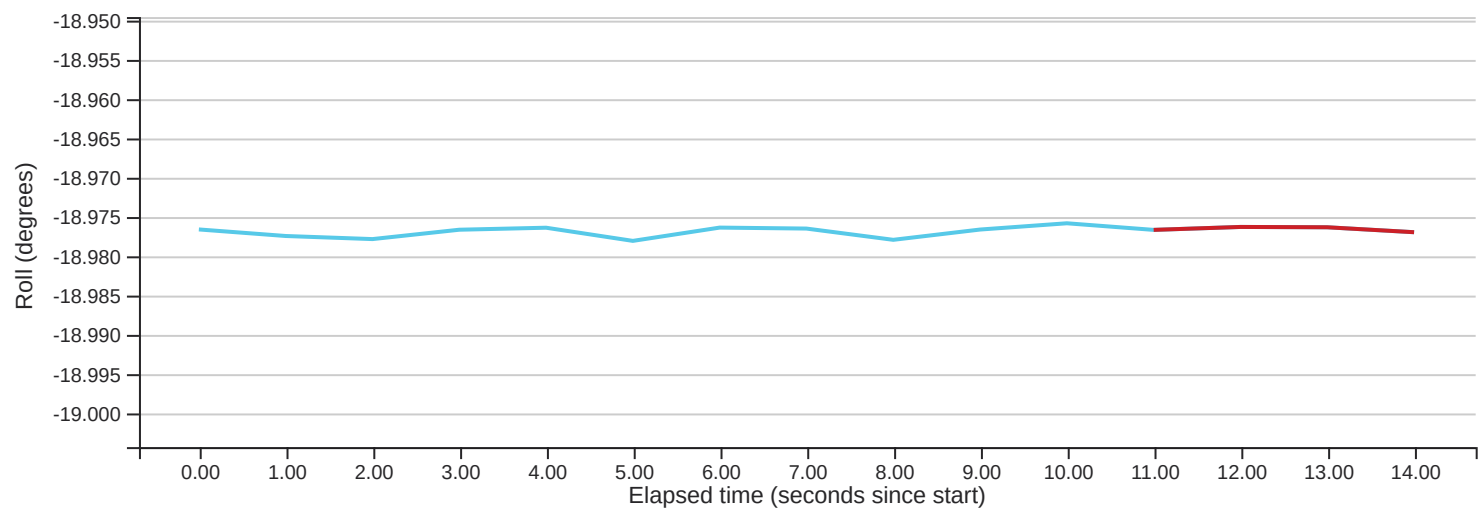
Attitude statistics

Number of samples	15
Imagery lead time	10,270 ms
Imagery lag time	3,730 ms
Mean sample period	1,000 ms (1 Hz)
Sample period standard-deviation	0 ms
Max sample period	1,001 ms
Min sample period	999 ms

Ephemeris statistics

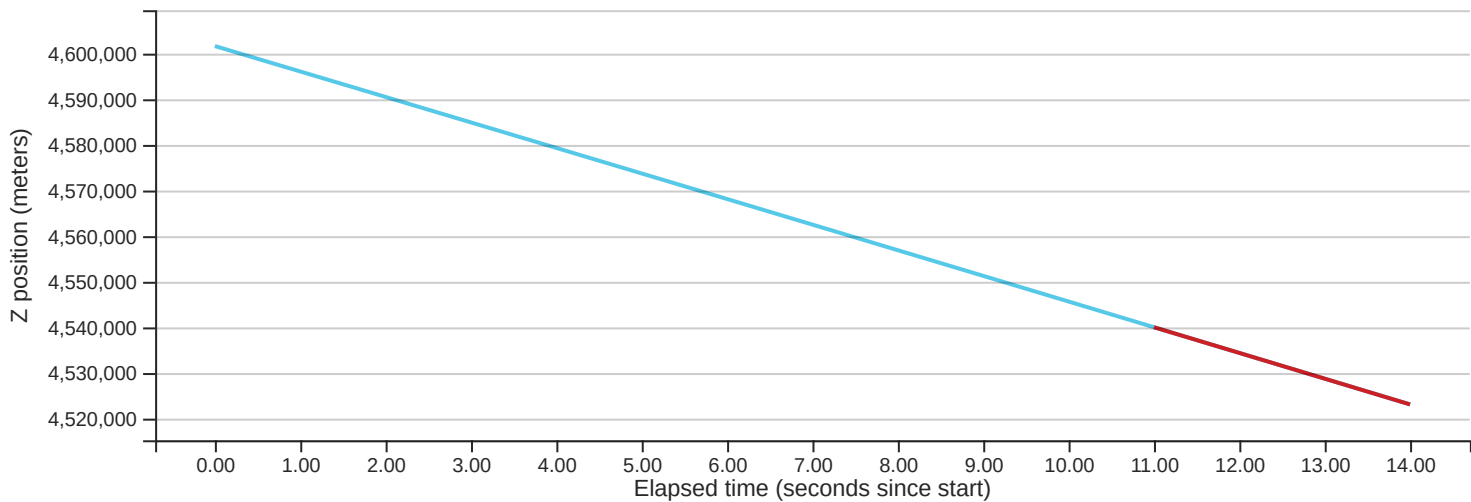
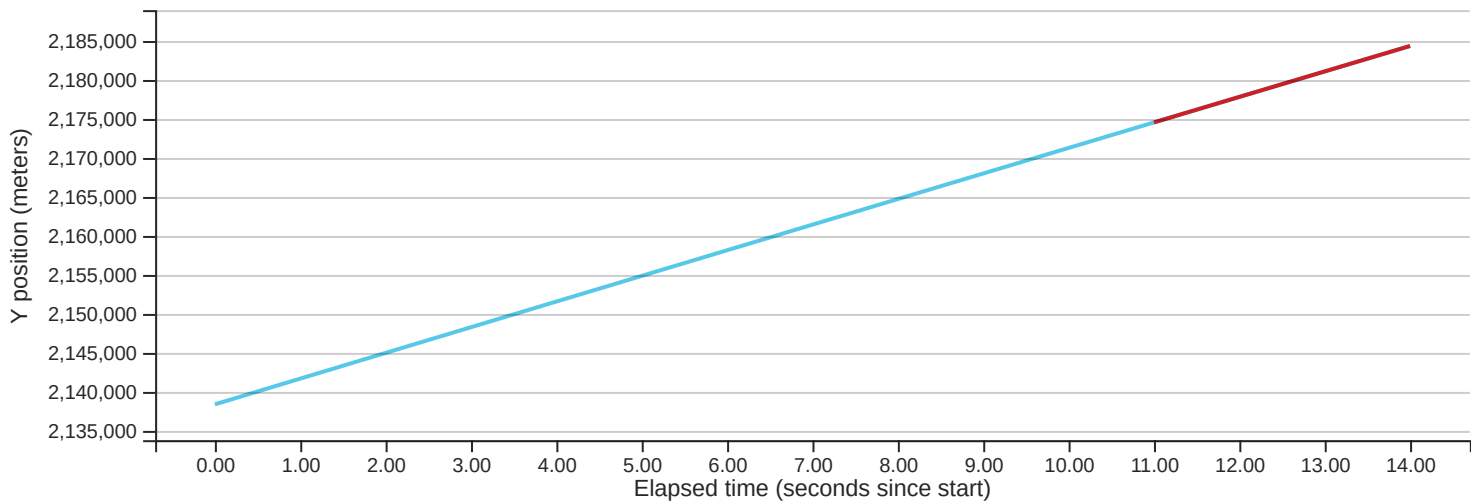
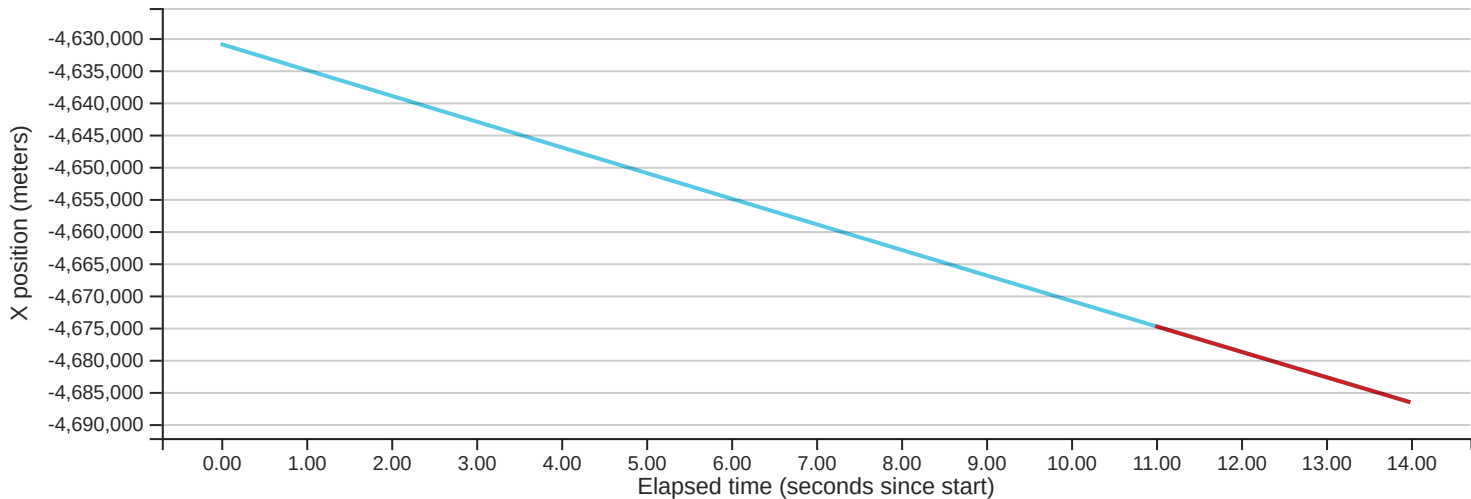
Number of samples	15
Imagery lead time	10,040 ms
Imagery lag time	3,960 ms
Mean sample period	1,000 ms (1 Hz)
Sample period standard-deviation	0 ms
Max sample period	1,000 ms
Min sample period	1,000 ms

The local-vertical, local-horizontal rotation sequence is ZYX. The Roll, pitch and yaw graphs are shown below (with a total of 15 points starting at 2024-09-28T09:43:21.730Z and ending on 2024-09-28T09:43:35.730Z). The red line indicates when the imaging data was observed.



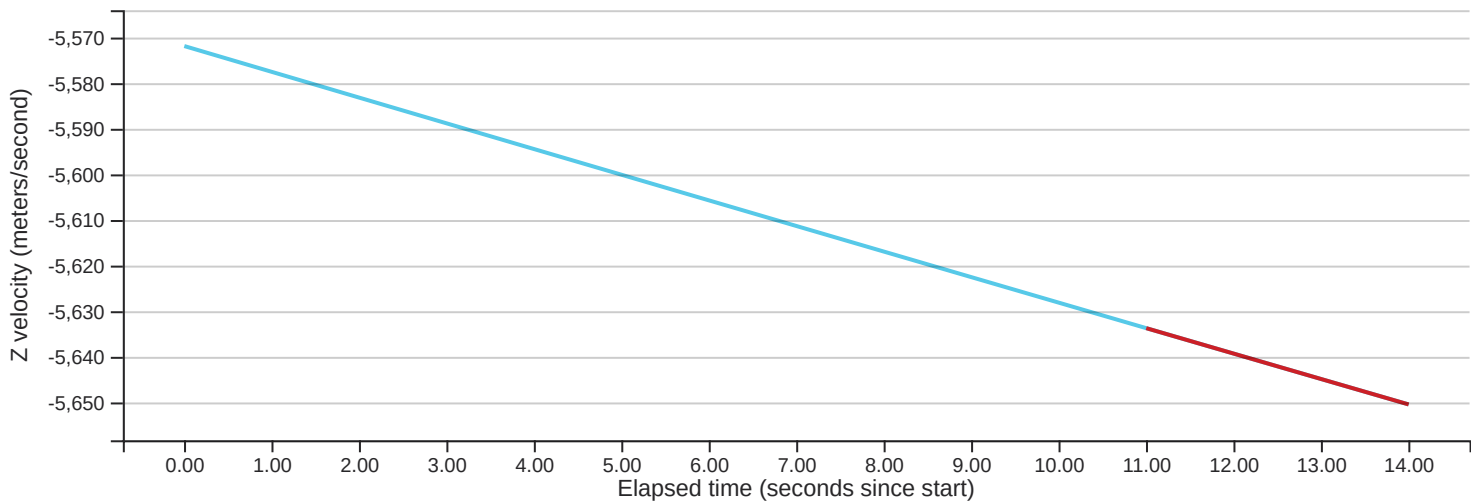
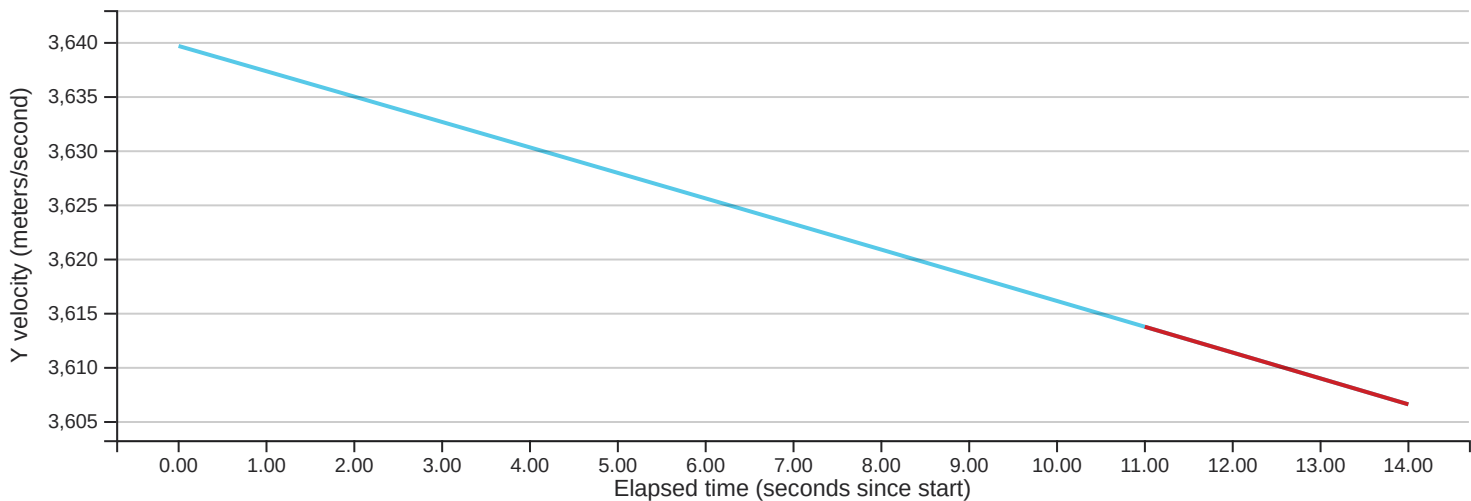
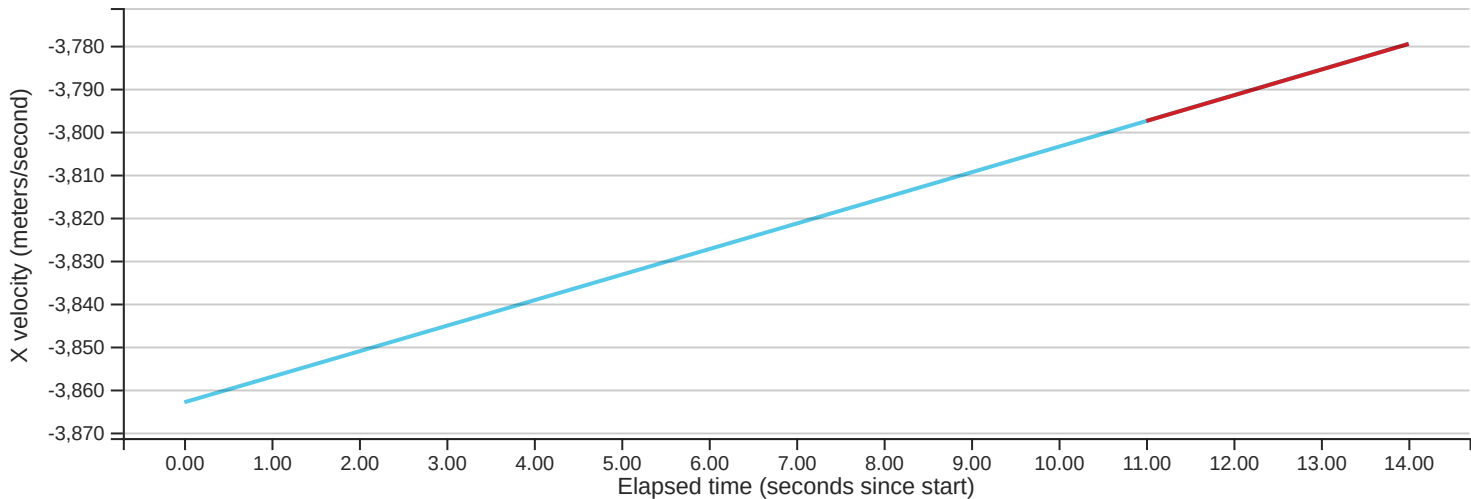
Ephemeris - ECI position

The Earth-centered-inertial (J2000) position is shown below. A total of 15 points are available, starting at 2024-09-28T09:43:21.960Z and ending on 2024-09-28T09:43:35.960Z. The red line indicates when the imaging data was observed.



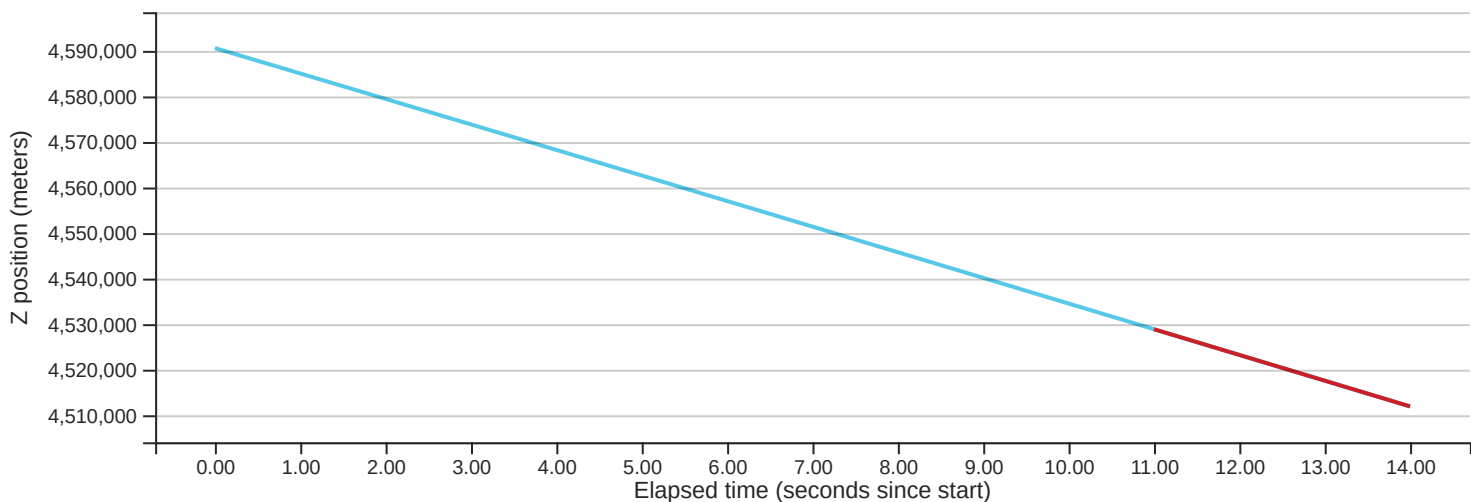
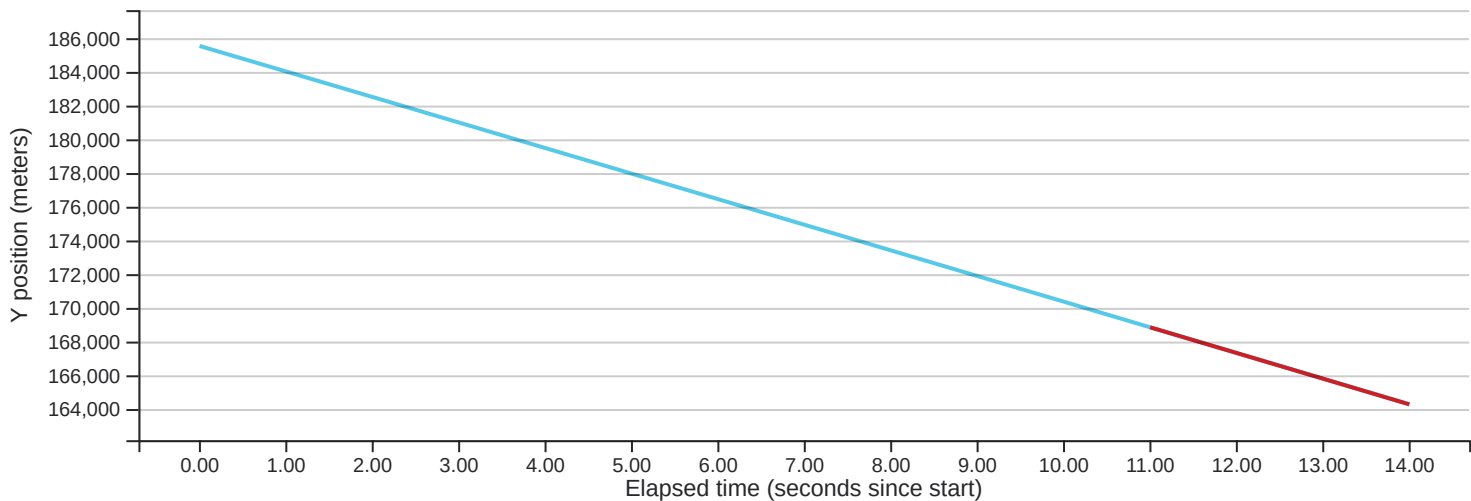
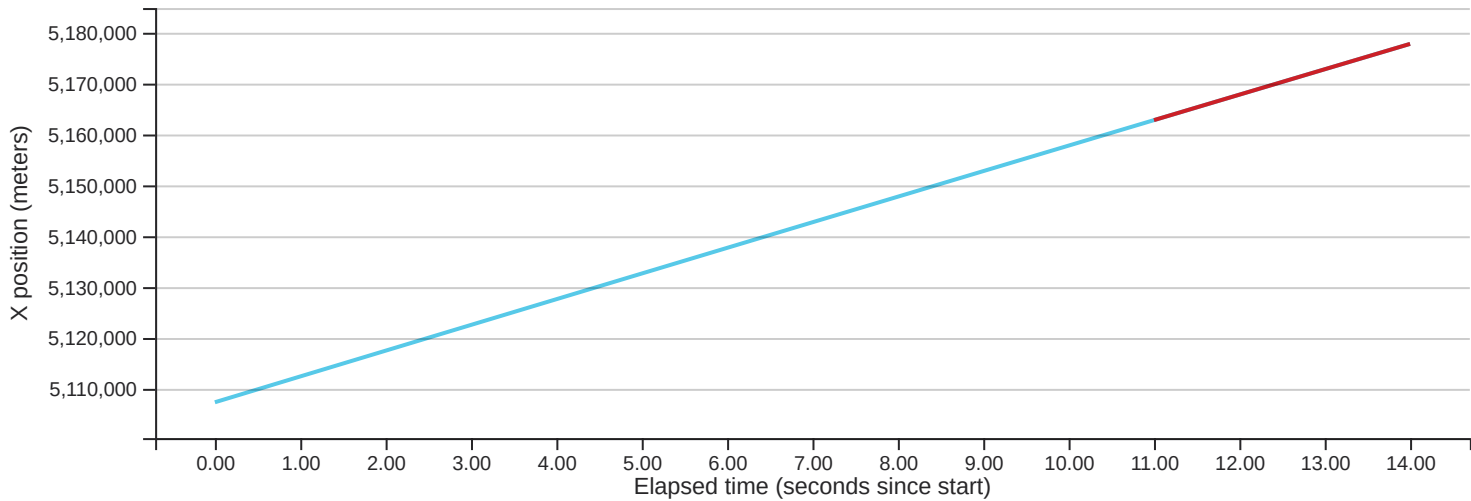
Ephemeris - ECI velocity

The Earth-centered-inertial (J2000) velocity is shown below. A total of 15 points are available, starting at 2024-09-28T09:43:21.960Z and ending on 2024-09-28T09:43:35.960Z. The red line indicates when the imaging data was observed.



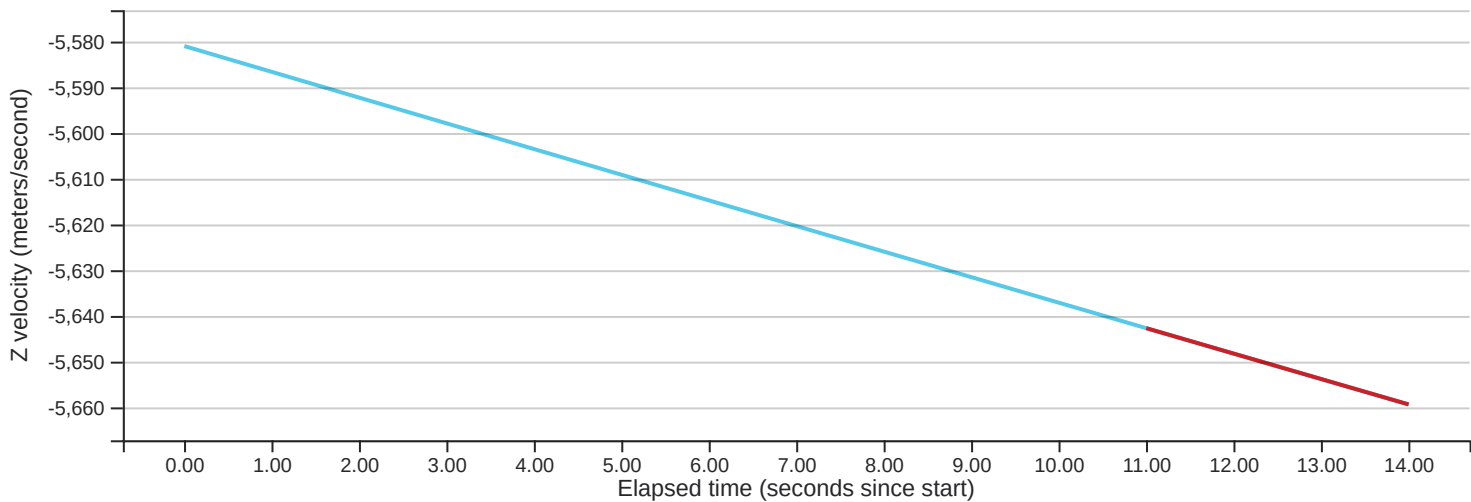
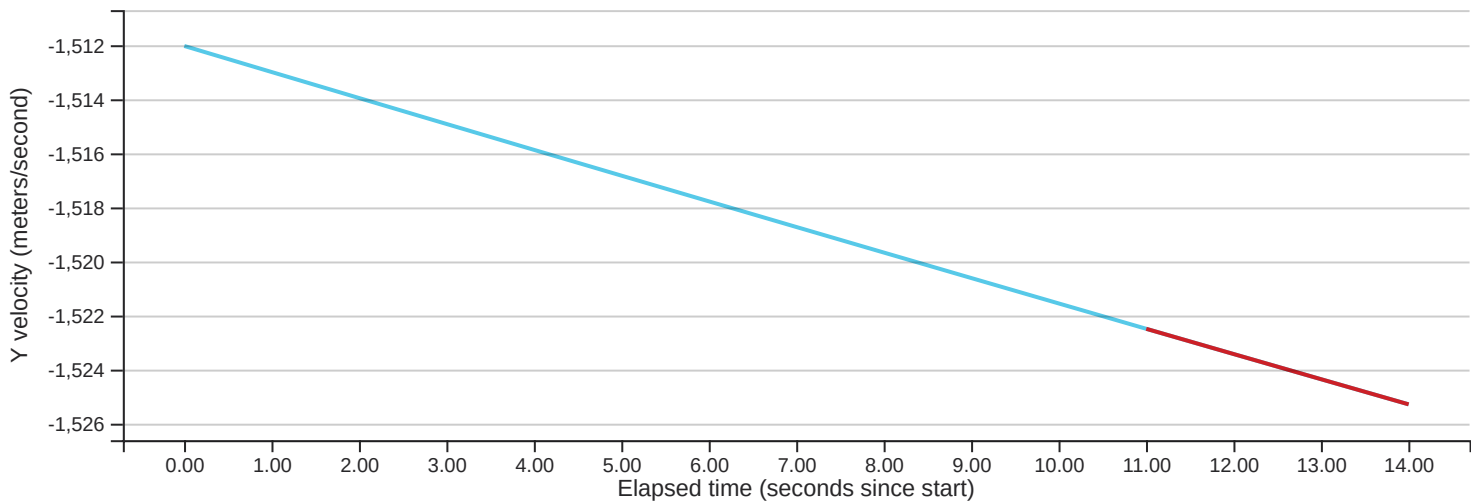
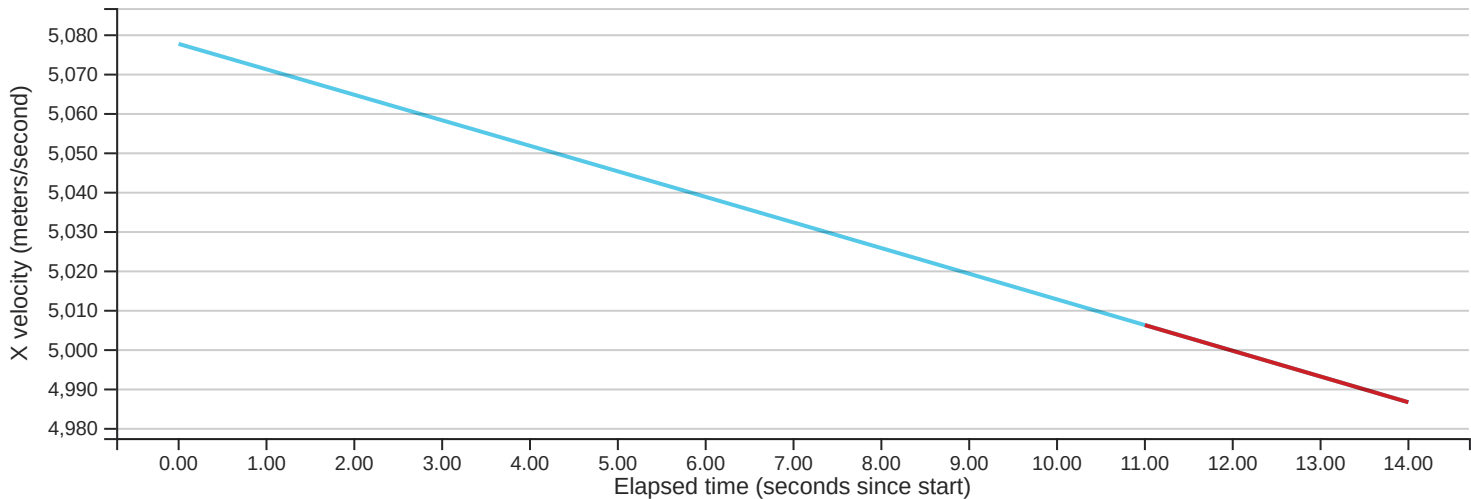
Ephemeris - ECR position

The Earth-centered-rotating (ITRF) position is shown below. A total of 15 points are available, starting at 2024-09-28T09:43:21.960Z and ending on 2024-09-28T09:43:35.960Z. The red line indicates when the imaging data was observed.



Ephemeris - ECR velocity

The Earth-centered-rotating (ITRF) velocity is shown below. A total of 15 points are available, starting at 2024-09-28T09:43:21.960Z and ending on 2024-09-28T09:43:35.960Z. The red line indicates when the imaging data was observed.



Product properties

Product ID	TRUBIT-1_EO-100_20240928T094332_20240928T094336_L0_R3C1
Correlation ID	TRUBIT-1_EO-100_20240928T094332_20240928T094336_L0_R3C1
Spacecraft	TRUBIT-1
Input image size	756.90 MB
Imagery start date	2024/09/28 09:43:32 Z
Imagery end date	2024/09/28 09:43:36 Z
Processing date	2025/04/16 14:55:48 Z
Location (lat, long)	41.6002°, -0.3497°
Pixels	551.1 MP
Area	627.7 km ²
Solar angle (degrees)	138.071° azimuth and 37.410° elevation
Moon angle (degrees)	207.277° azimuth and 65.289° elevation
Incidence angle (degrees)	278.715° azimuth and 21.905° zenith
Viewing angle (degrees)	20.221° off-nadir
LVLH (degrees)	-18.976° roll, 0.943° pitch, -0.026° yaw (ZYX sequence)
Scene index	Row 3, column 1
Instruments	EO-100
Order ID	AAAA-3027
Product version	0

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