

SENTINEL3A Orbit Monitoring Report

Orbit Scenario File vs Predicted Orbit Files

Report Generation Date: 2024-01-03T10:00:00

Mission and System Analysis Section (ESTEC/EOP-PES)

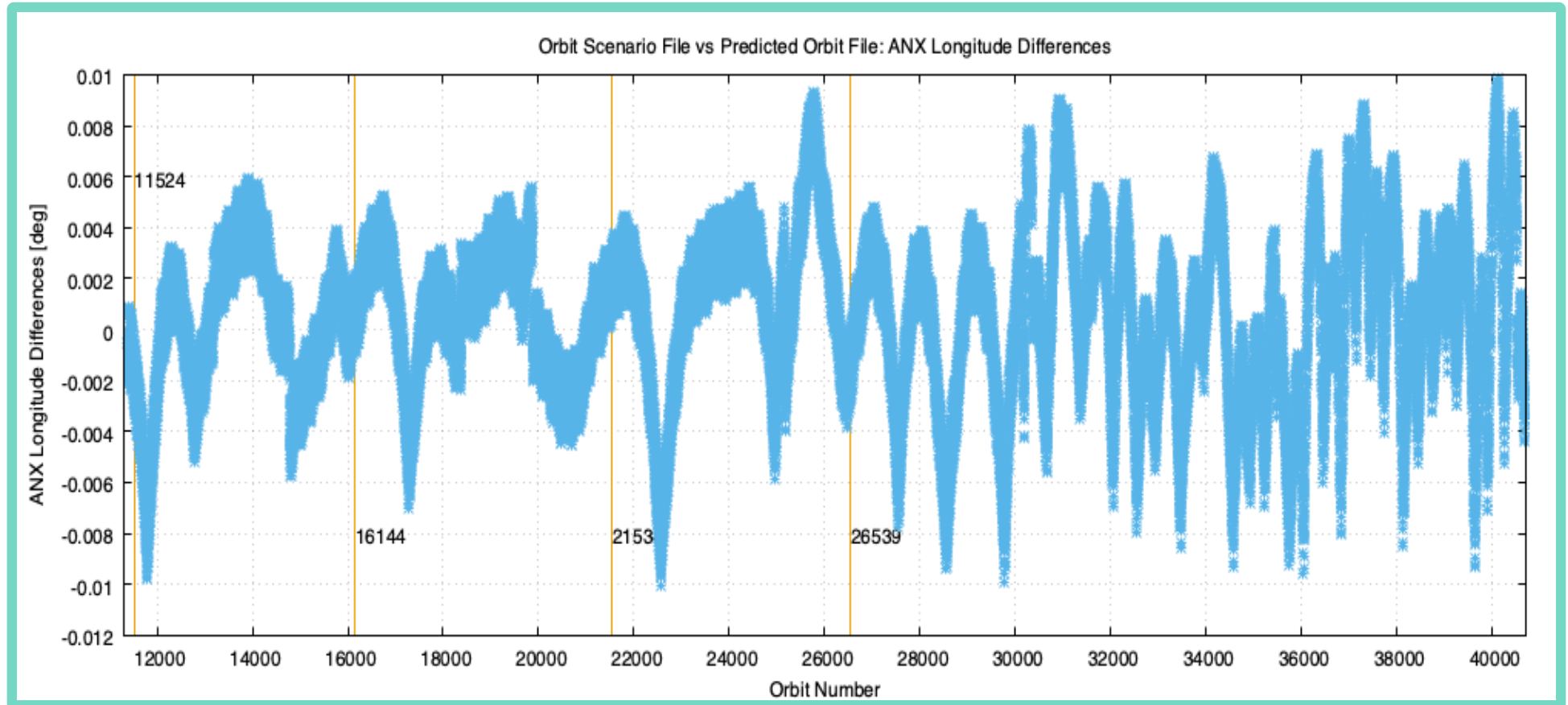
Orbit Scenario File

Filename	S3A_OPER_MPL_ORBSCT_20160216T191845_99999999T999999_0008.EOF
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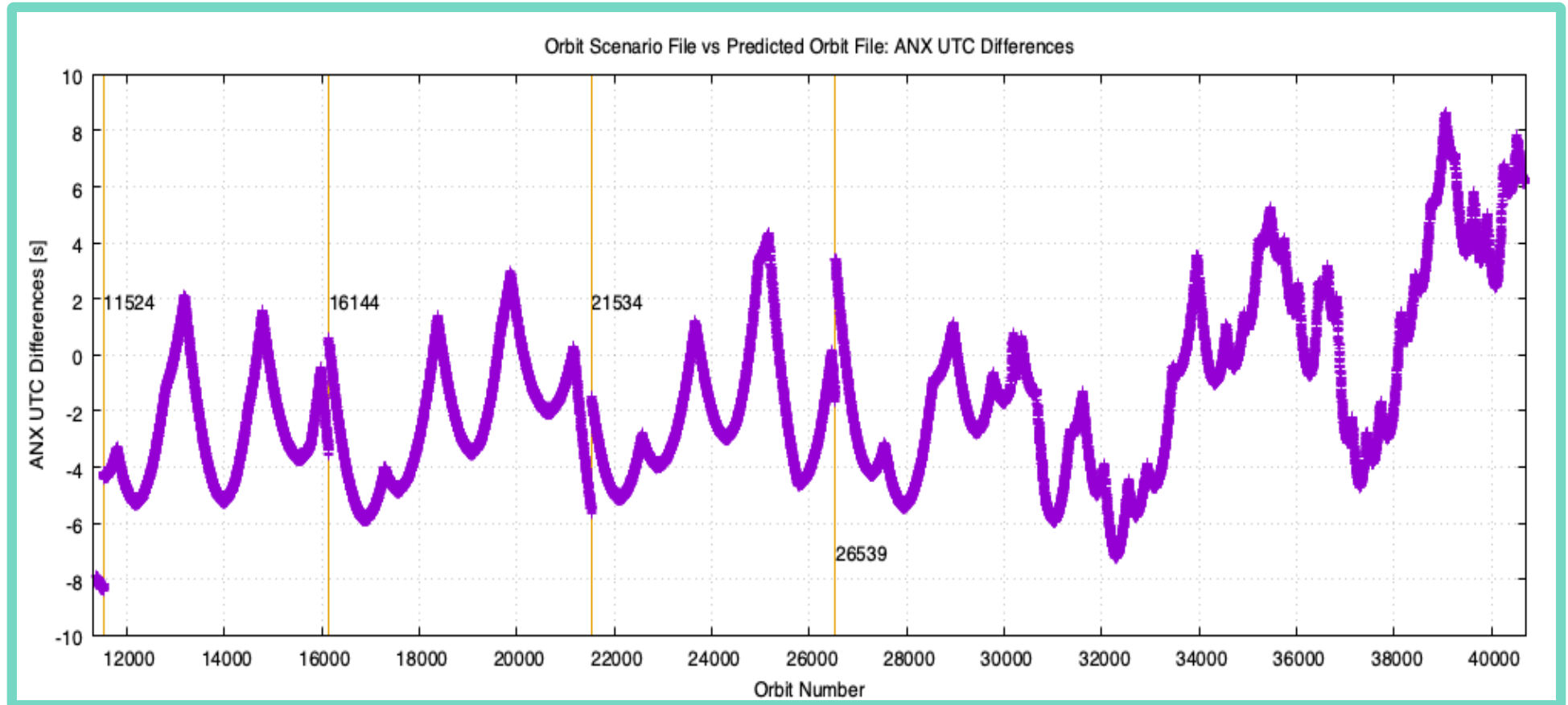
Reported Time Interval

Begin UTC Time	2018-04-25T00:38:25.048151
Begin Absolute Orbit	11383
End UTC Time	2023-12-09T23:19:55.152932
End Absolute Orbit	40685

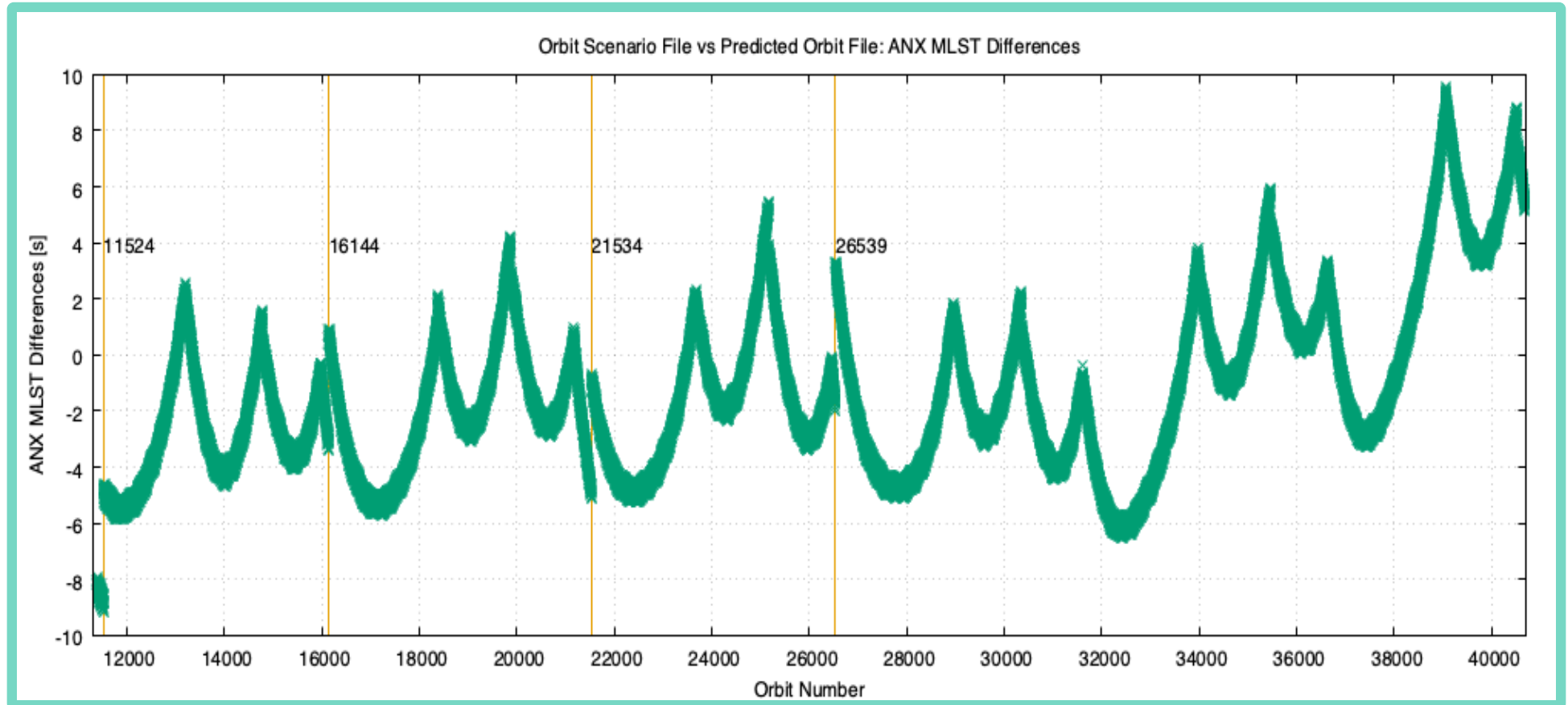
Differences in ANX Longitude



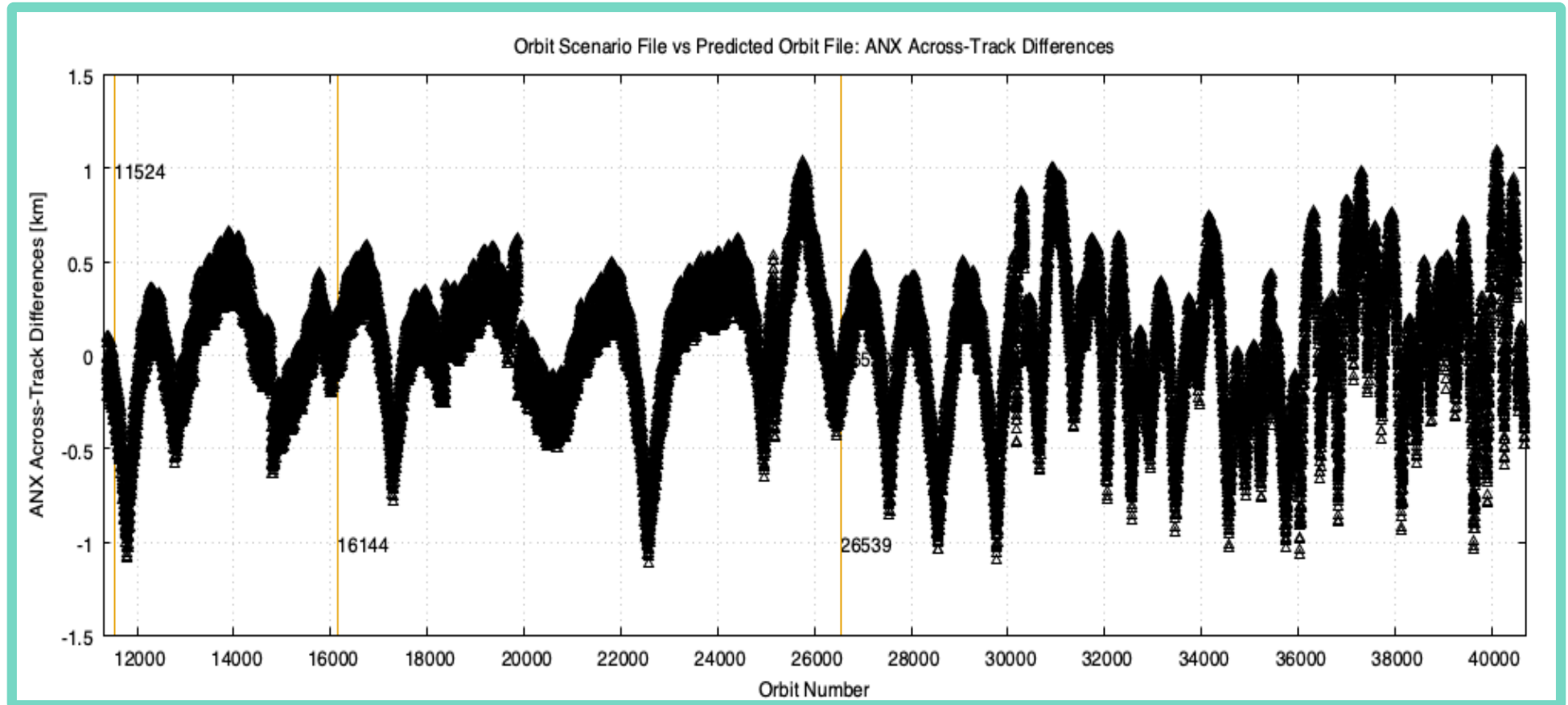
Differences in ANX UTC Time



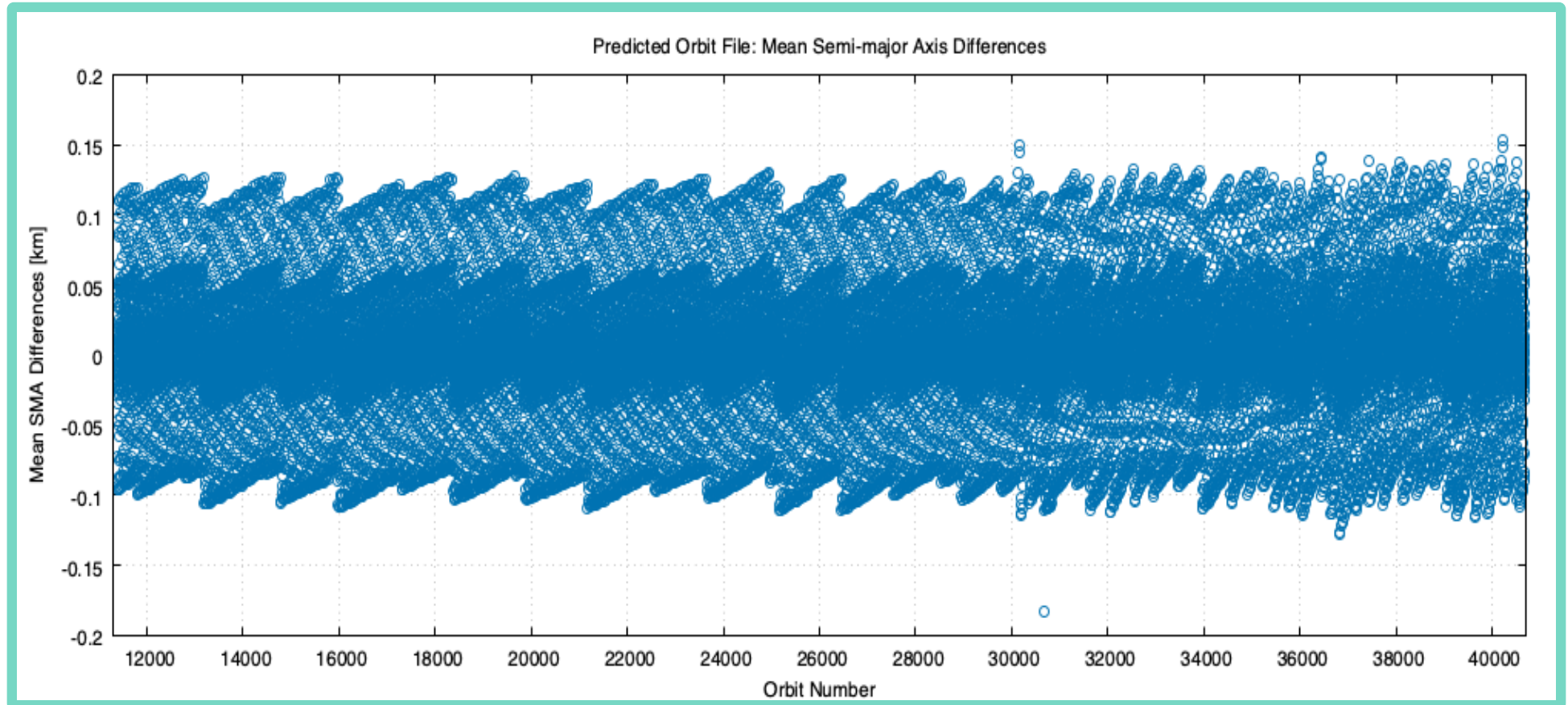
Differences in ANX Mean Local Solar Time



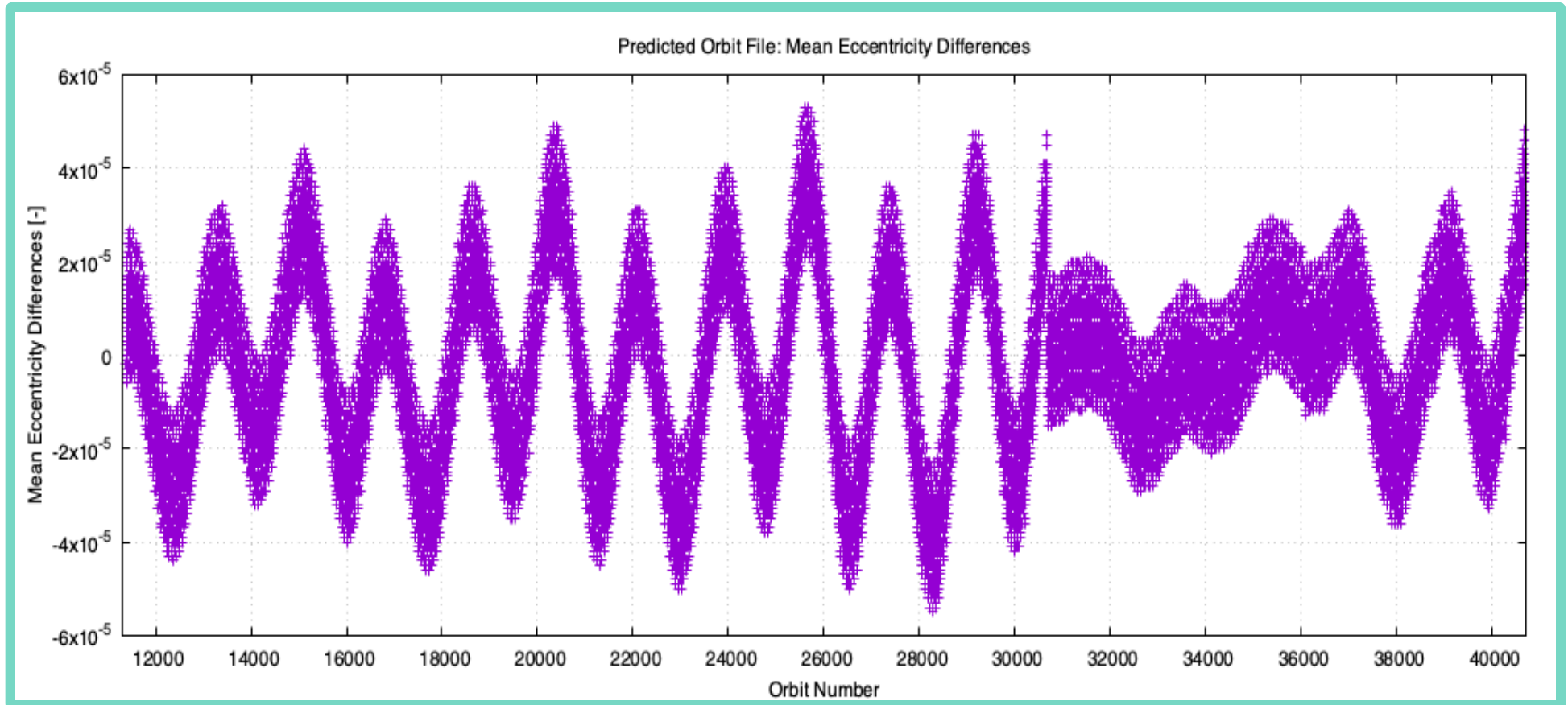
Differences in ANX Across-track



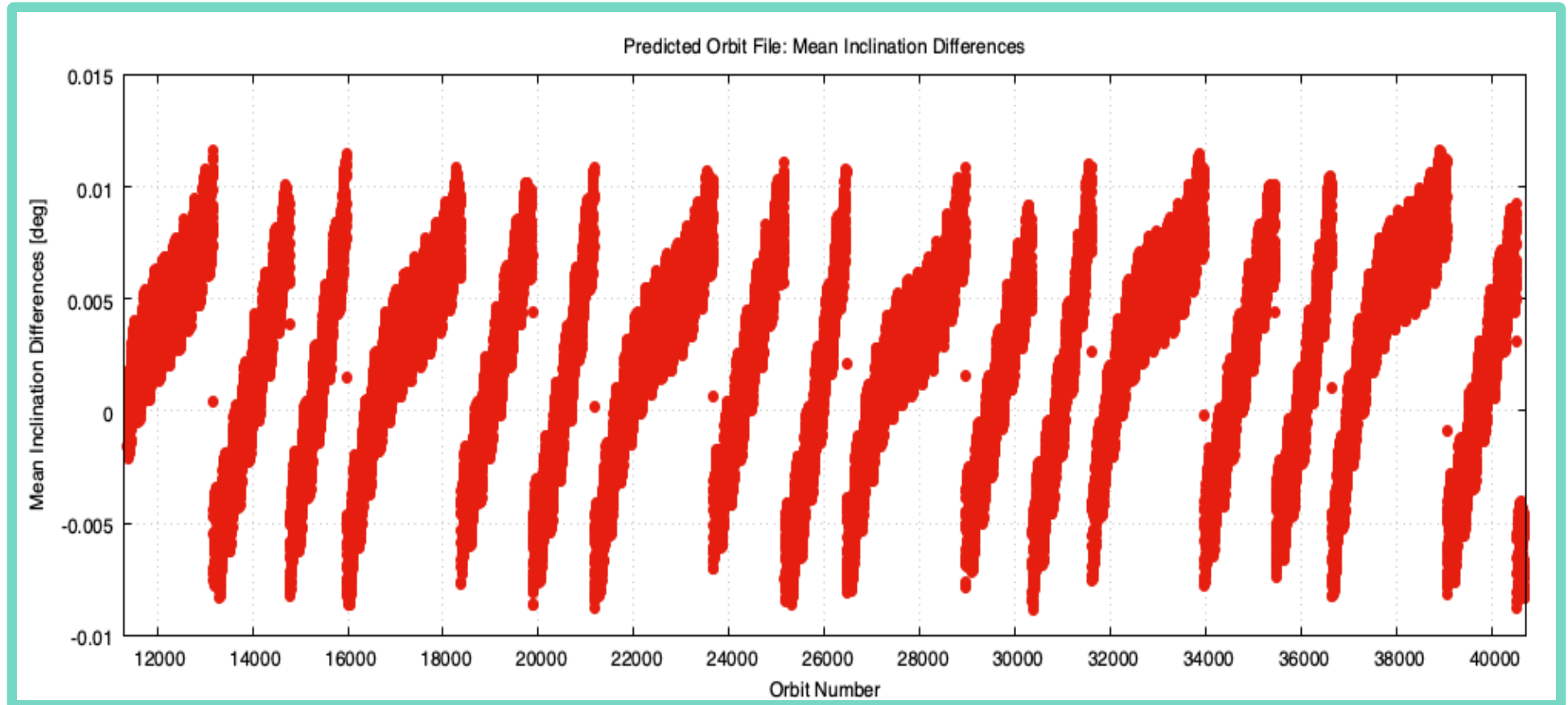
Differences in Mean Semi-major Axis



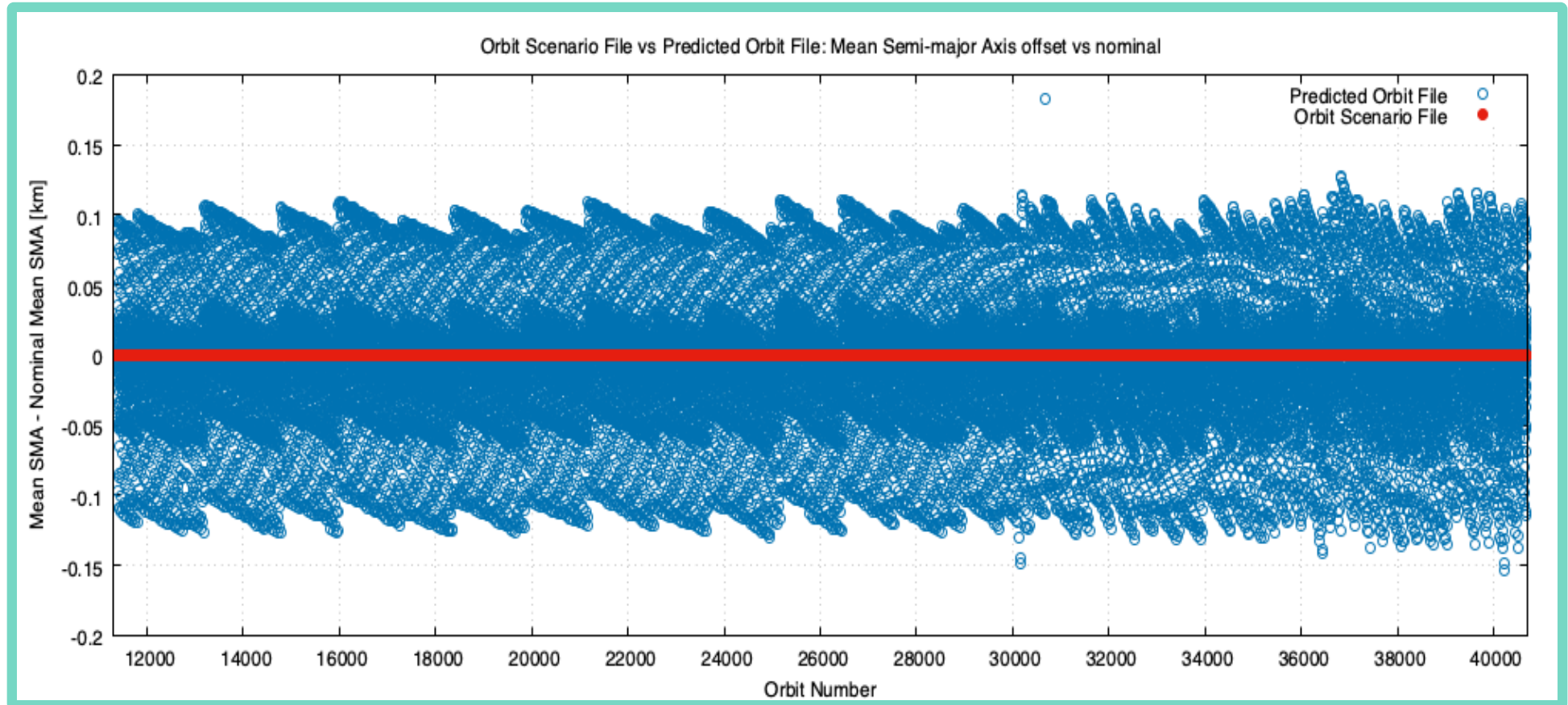
Differences in Eccentricity



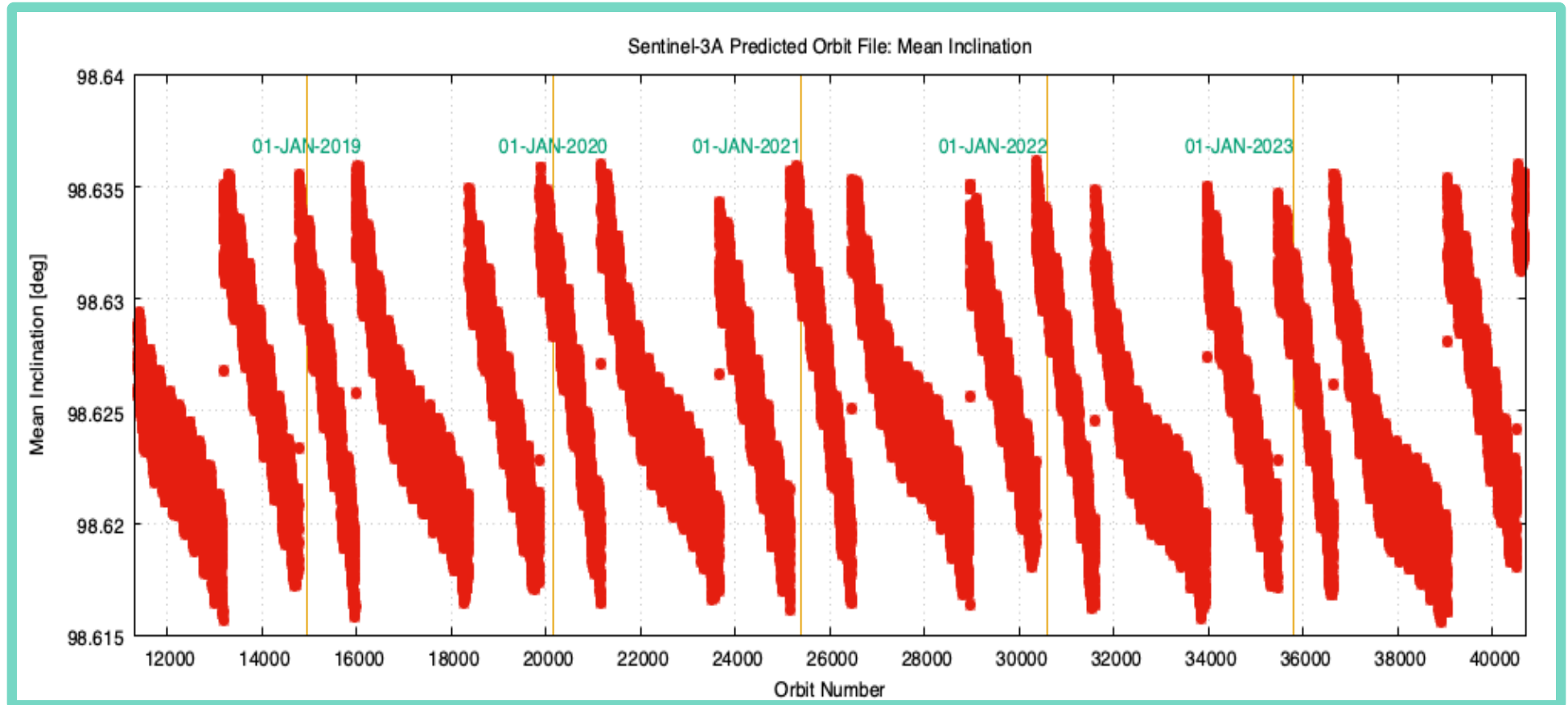
Differences in Mean Inclination



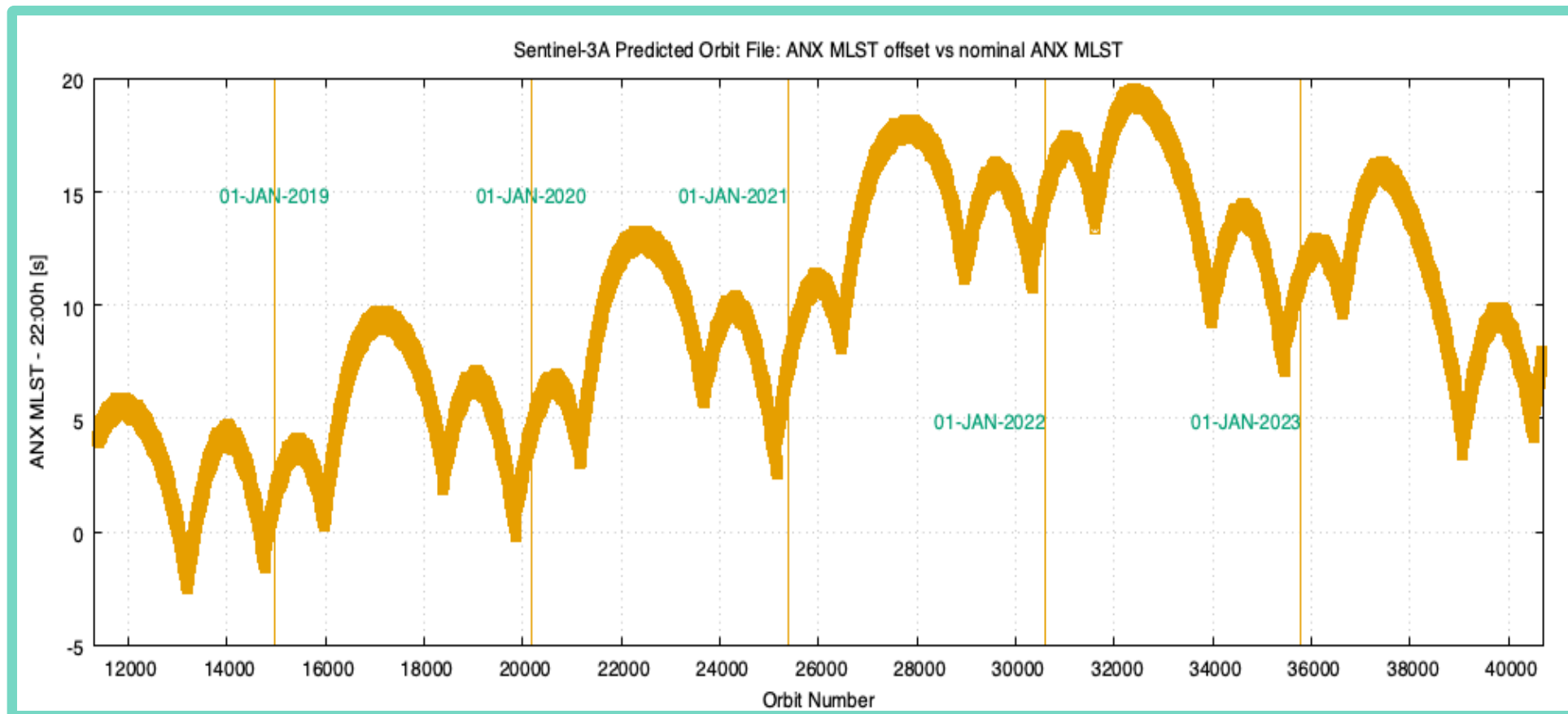
Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



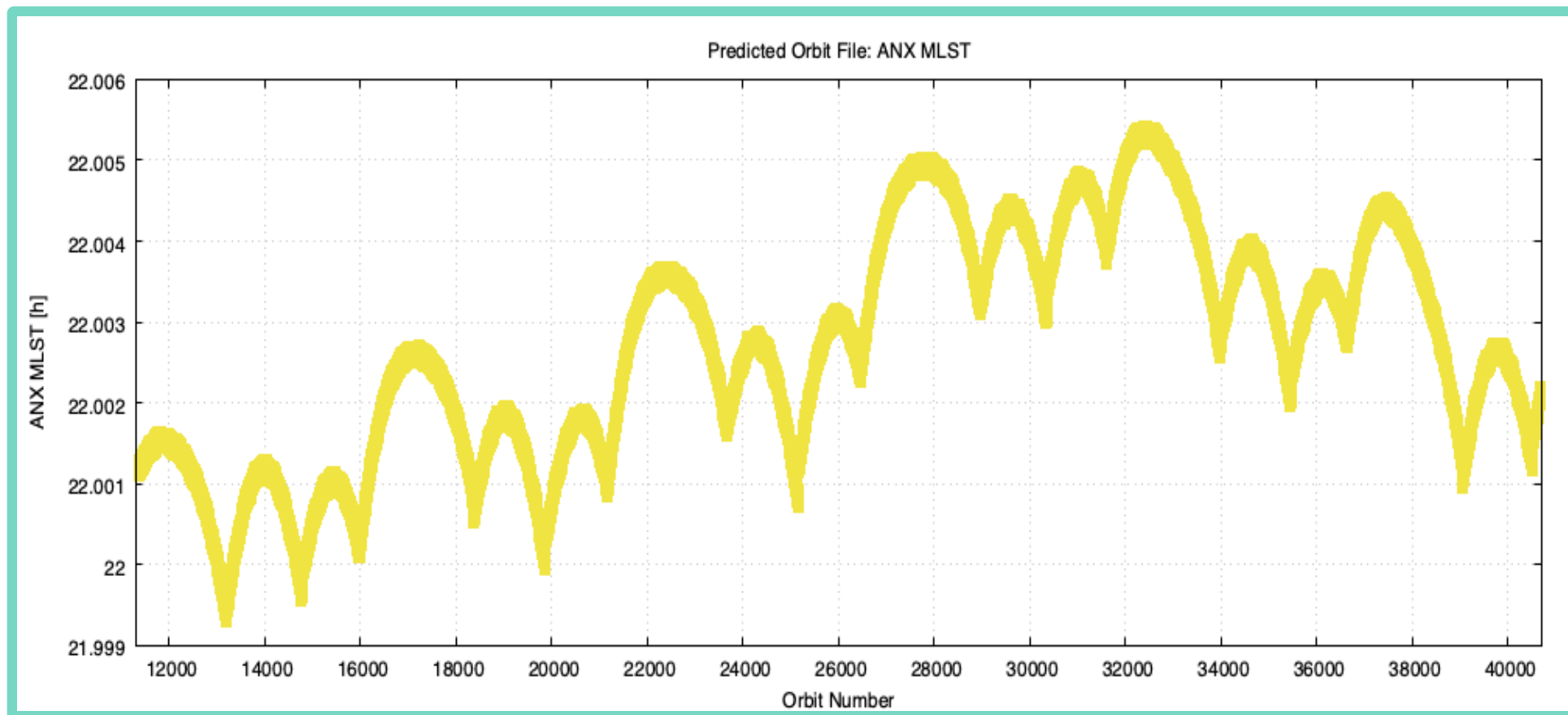
Evolution of Mean Inclination (Predicted Orbit Files)



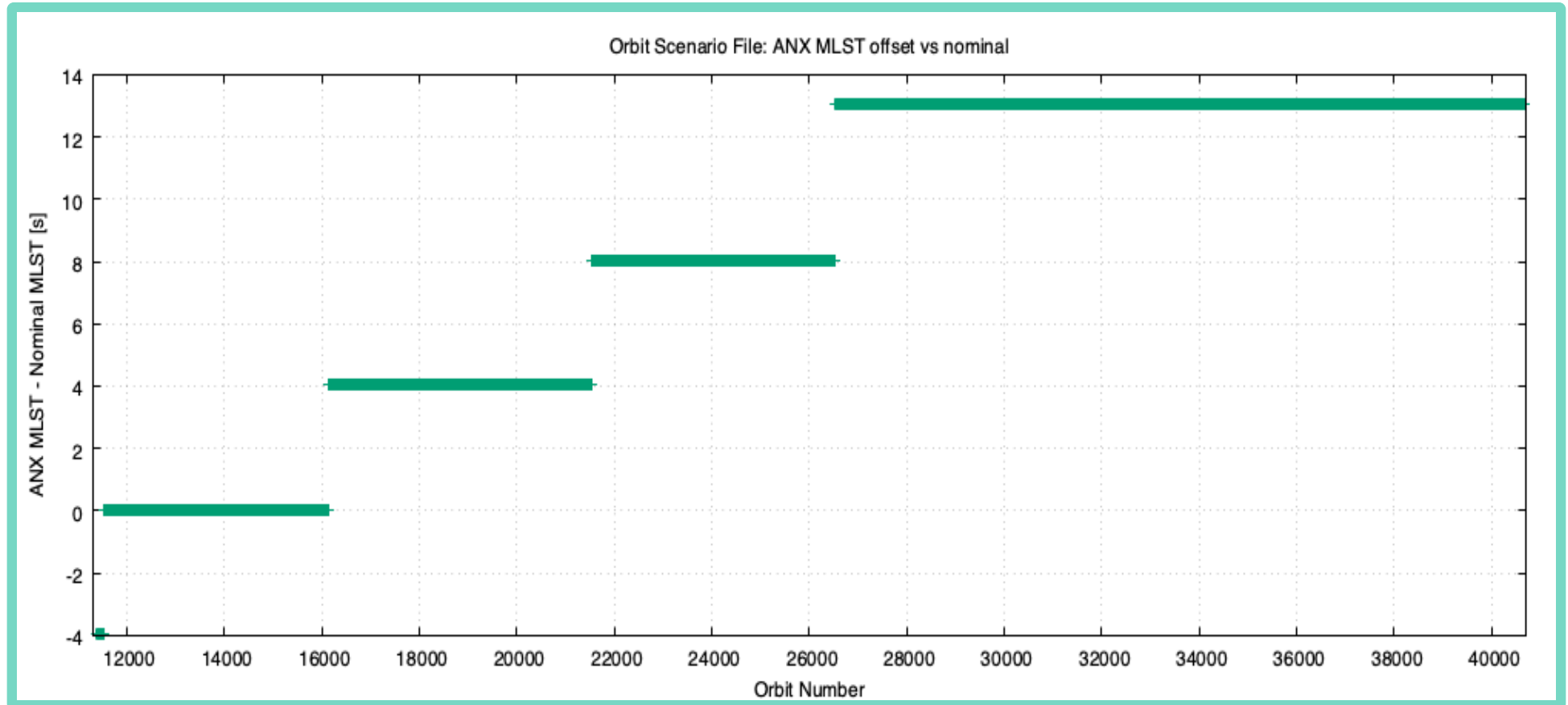
Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): Offset vs Nominal ANX MLST



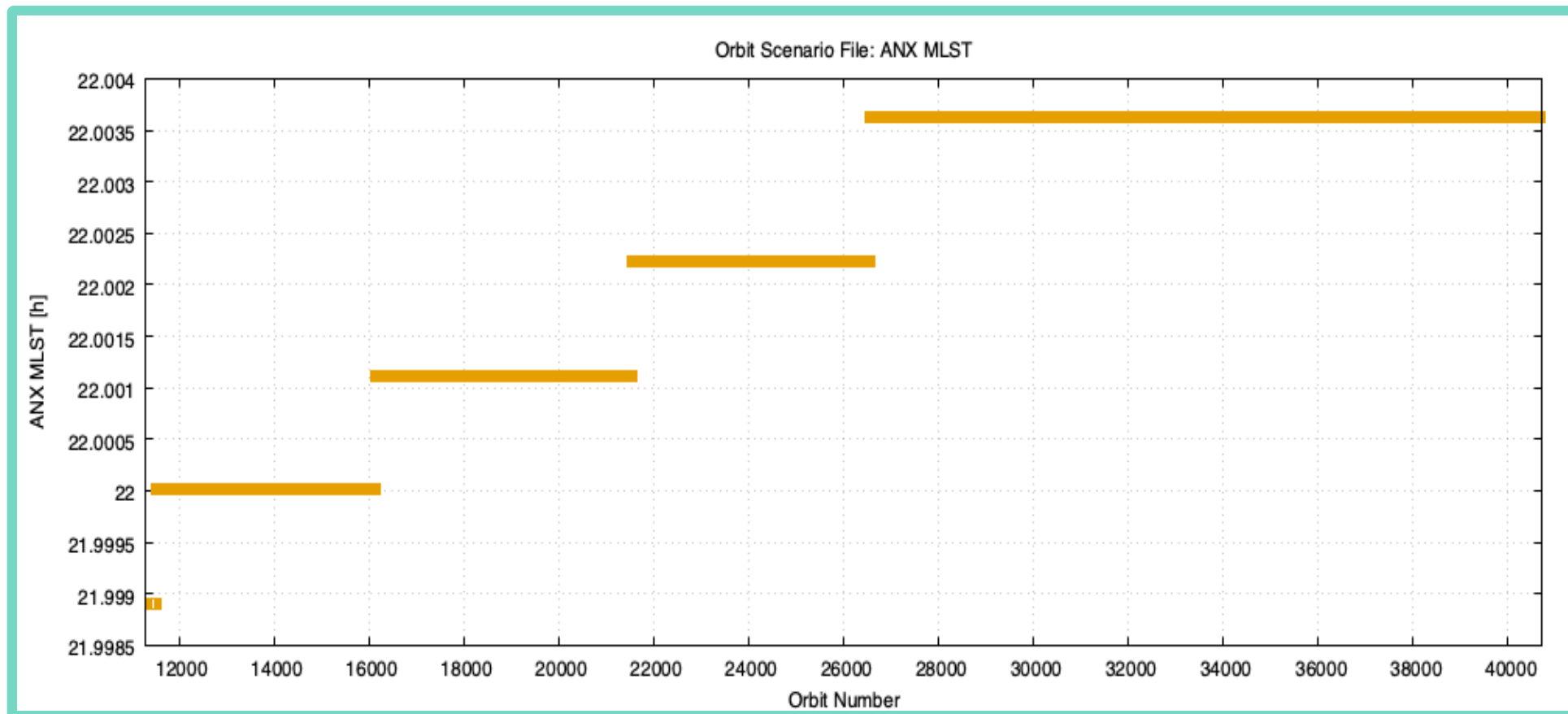
Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): ANX MLST



Long-Term Evolution of ANX Mean Local Solar Time (Orbit Scenario File): Offset vs Nominal ANX MLST



Long-Term Evolution of ANX Mean Local Solar Time (Orbit Scenario File): ANX MLST



Long-Term Evolution of Mean Semi-major Axis (Orbit Scenario File): Nominal SMA vs Mean SMA

