

SENTINEL6A Orbit Monitoring Report

Orbit Scenario File vs Predicted Orbit Files

Report Generation Date: 2024-01-03T19:00:00

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

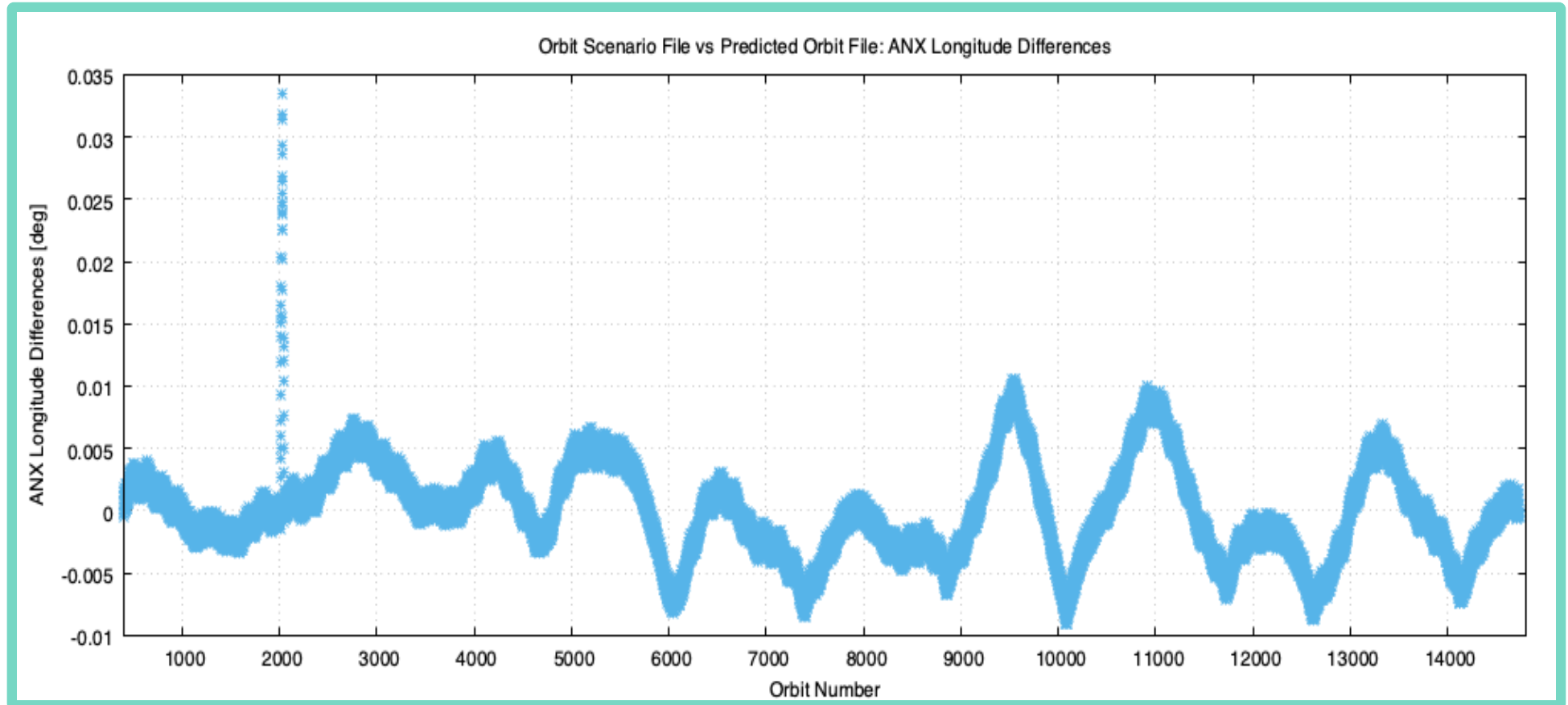
Orbit Scenario File

Filename	S6A_OPER_MPL_ORBSCT_20201121T182414_99999999T999999_0008_for_EOCFI_v4_16_and_above.EOF
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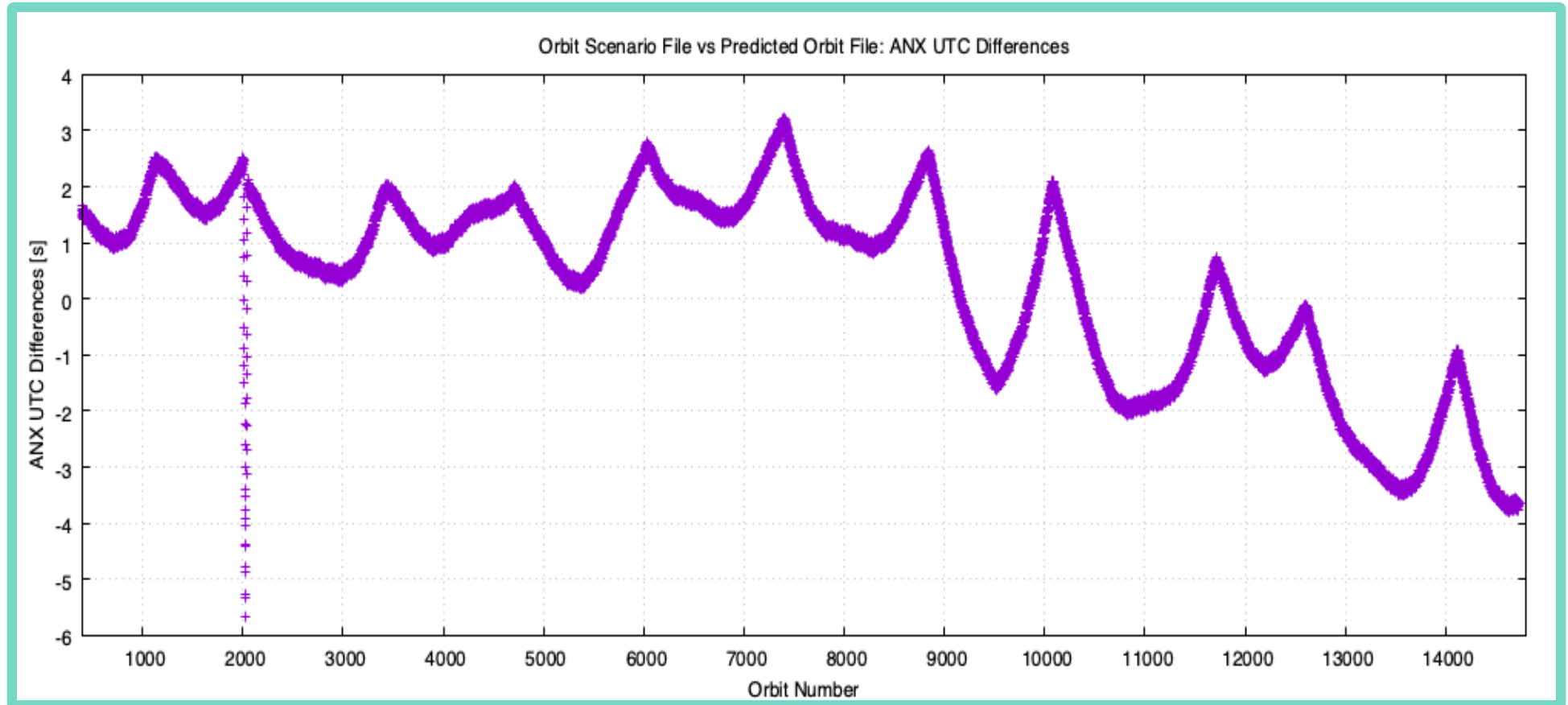
Reported Time Interval

Begin UTC Time	2020-11-22T01:52:20.051802
Begin Absolute Orbit	5
End UTC Time	2024-01-15T23:14:45.710565
End Absolute Orbit	14734

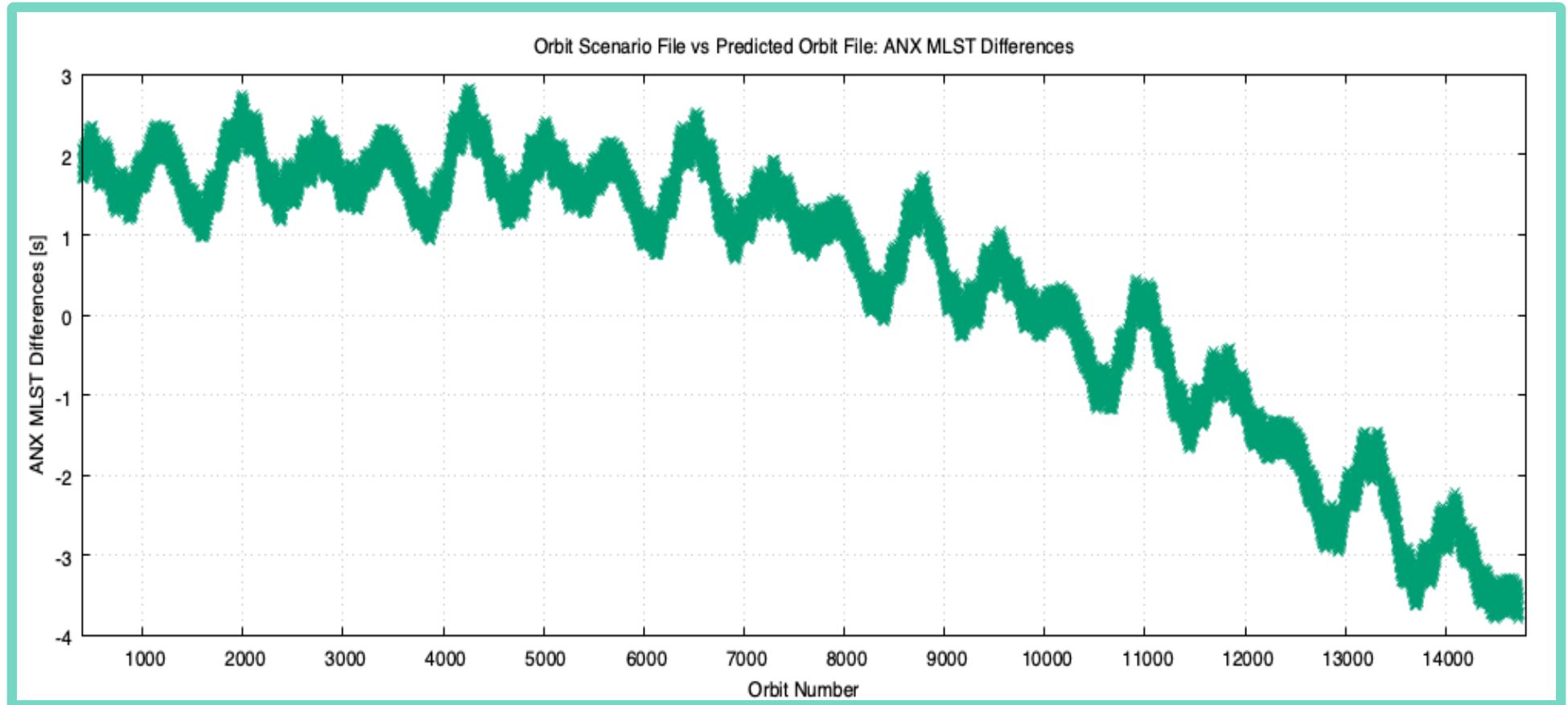
Differences in ANX Longitude



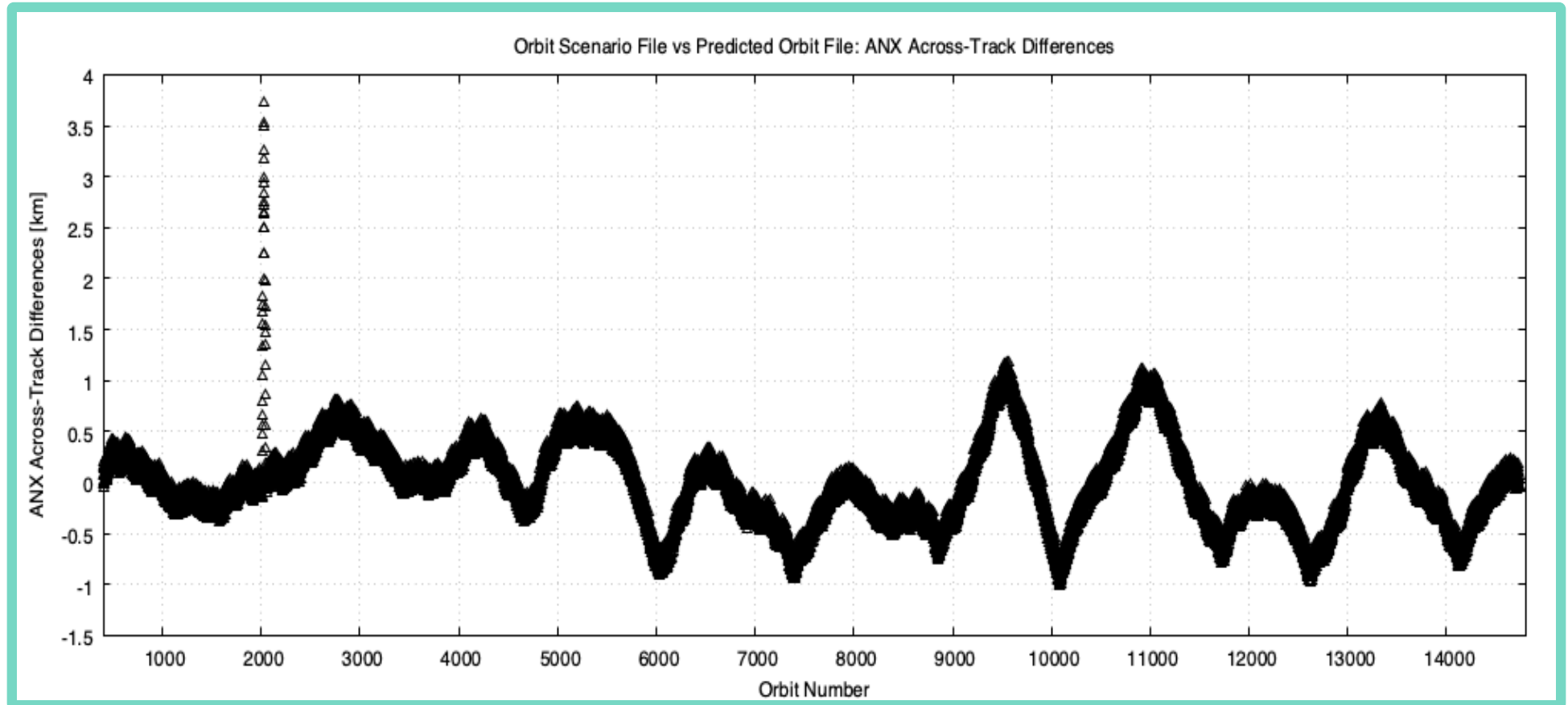
Differences in ANX UTC Time



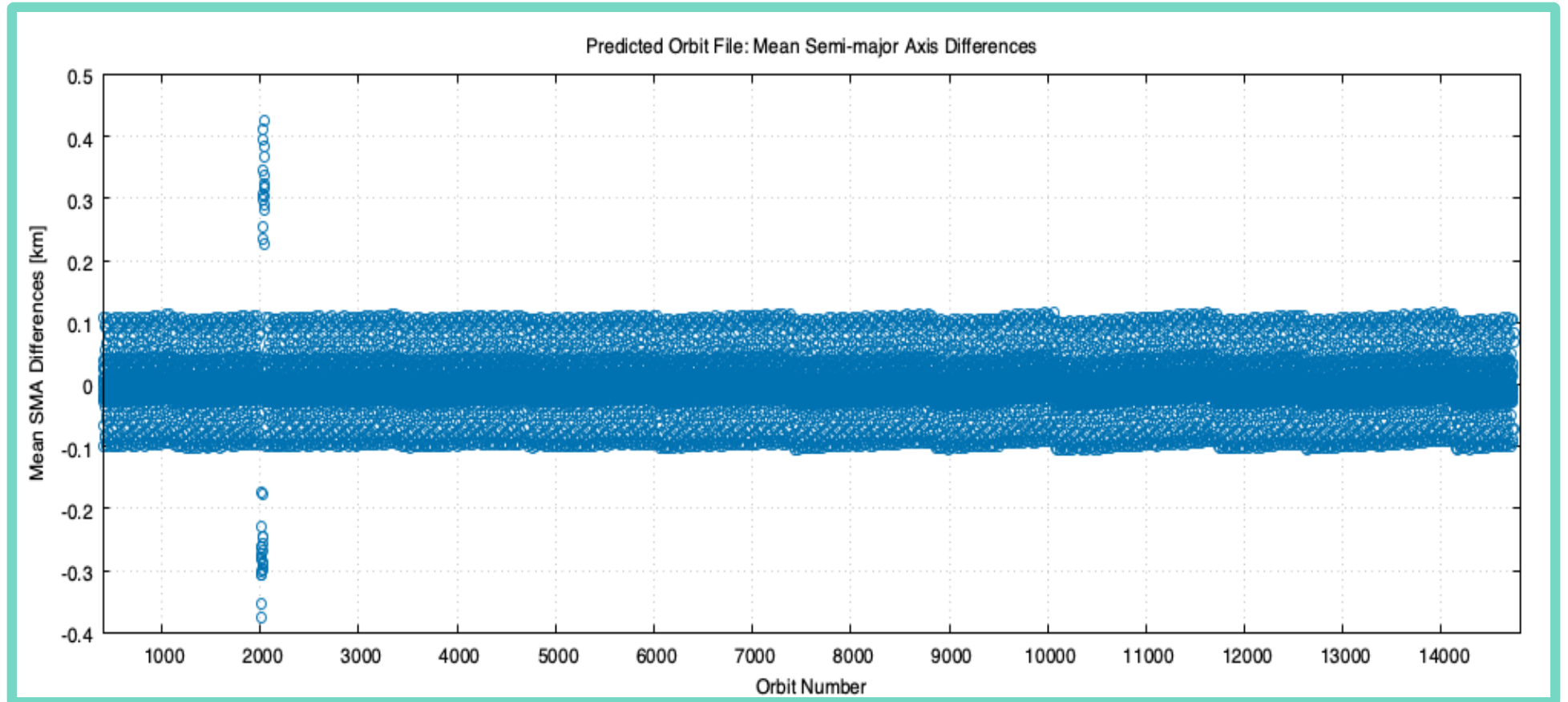
Differences in ANX Mean Local Solar Time



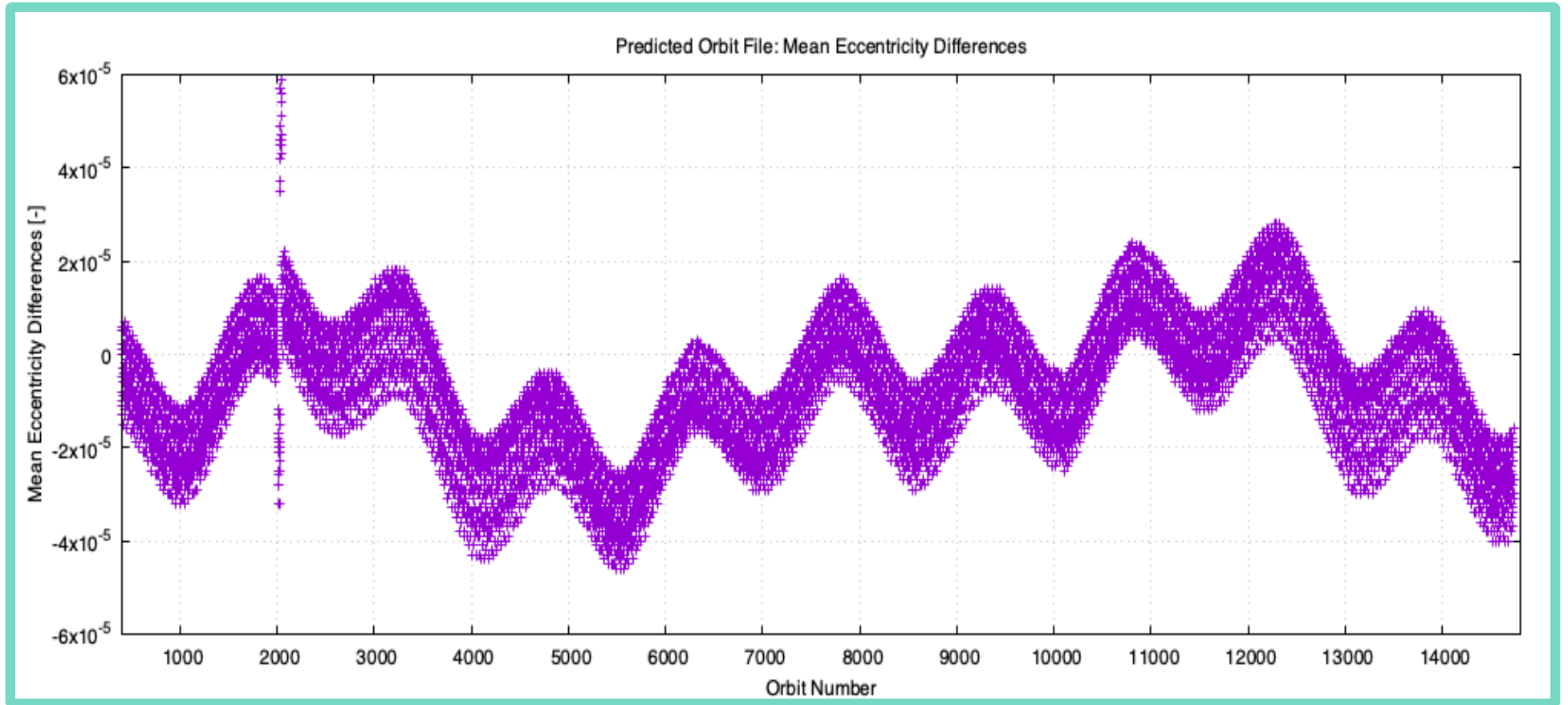
Differences in ANX Across-track



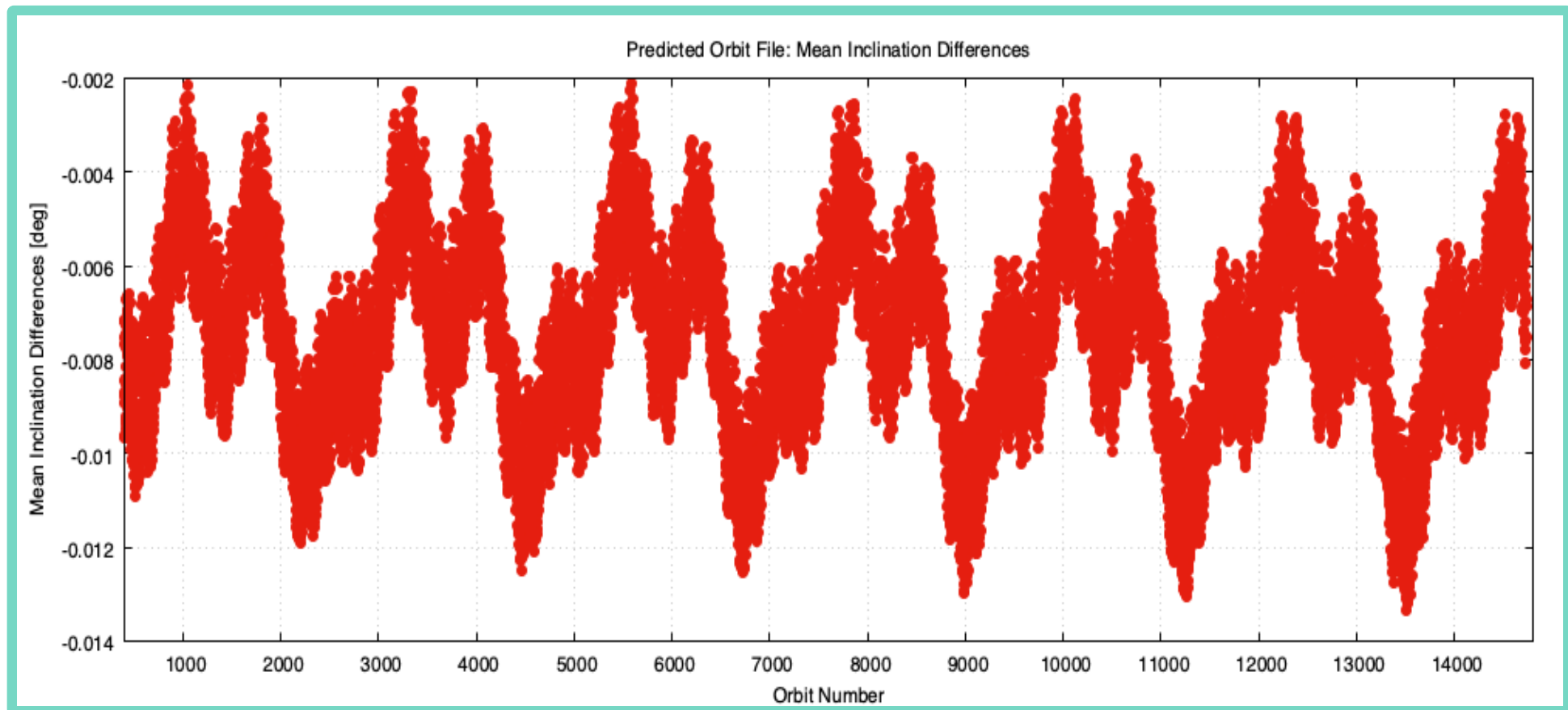
Differences in Mean Semi-major Axis



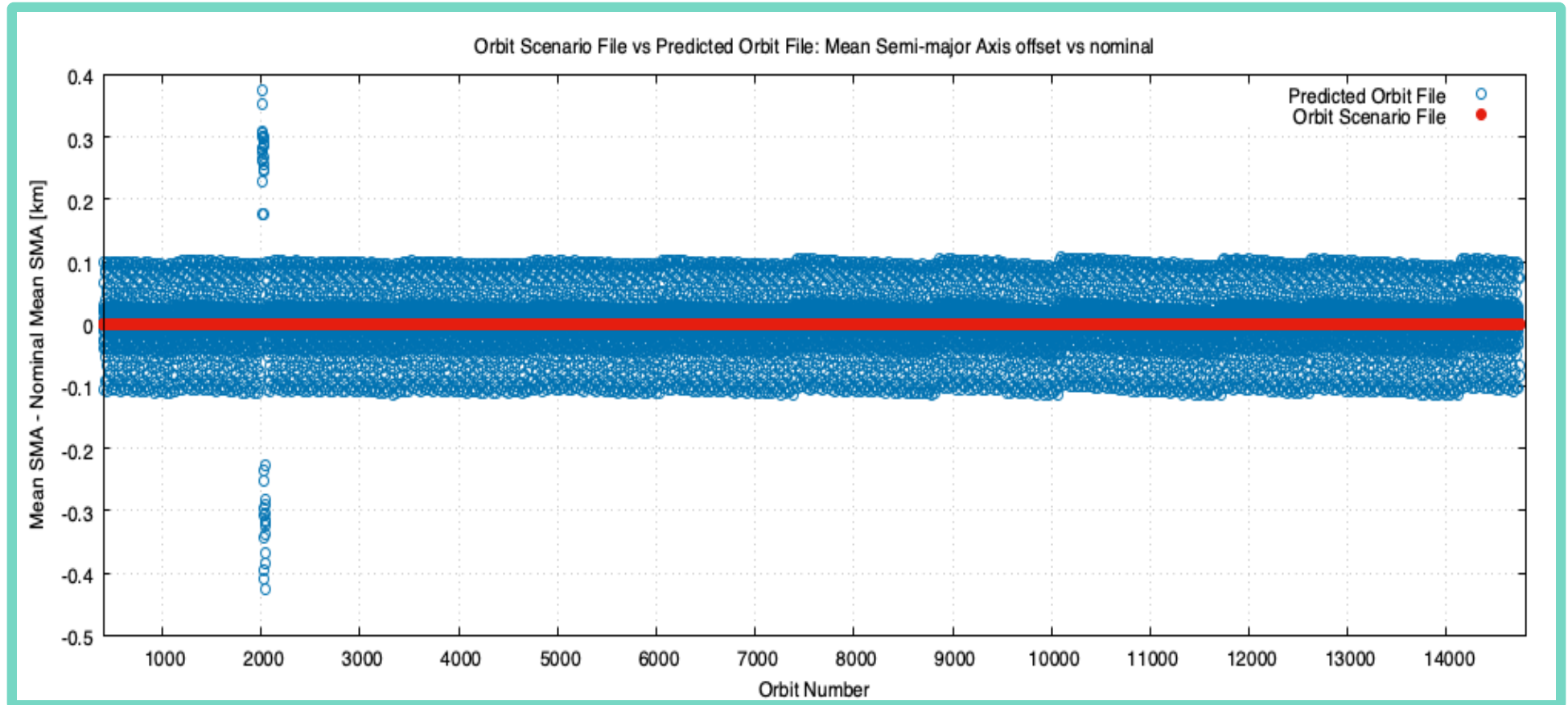
Differences in Eccentricity



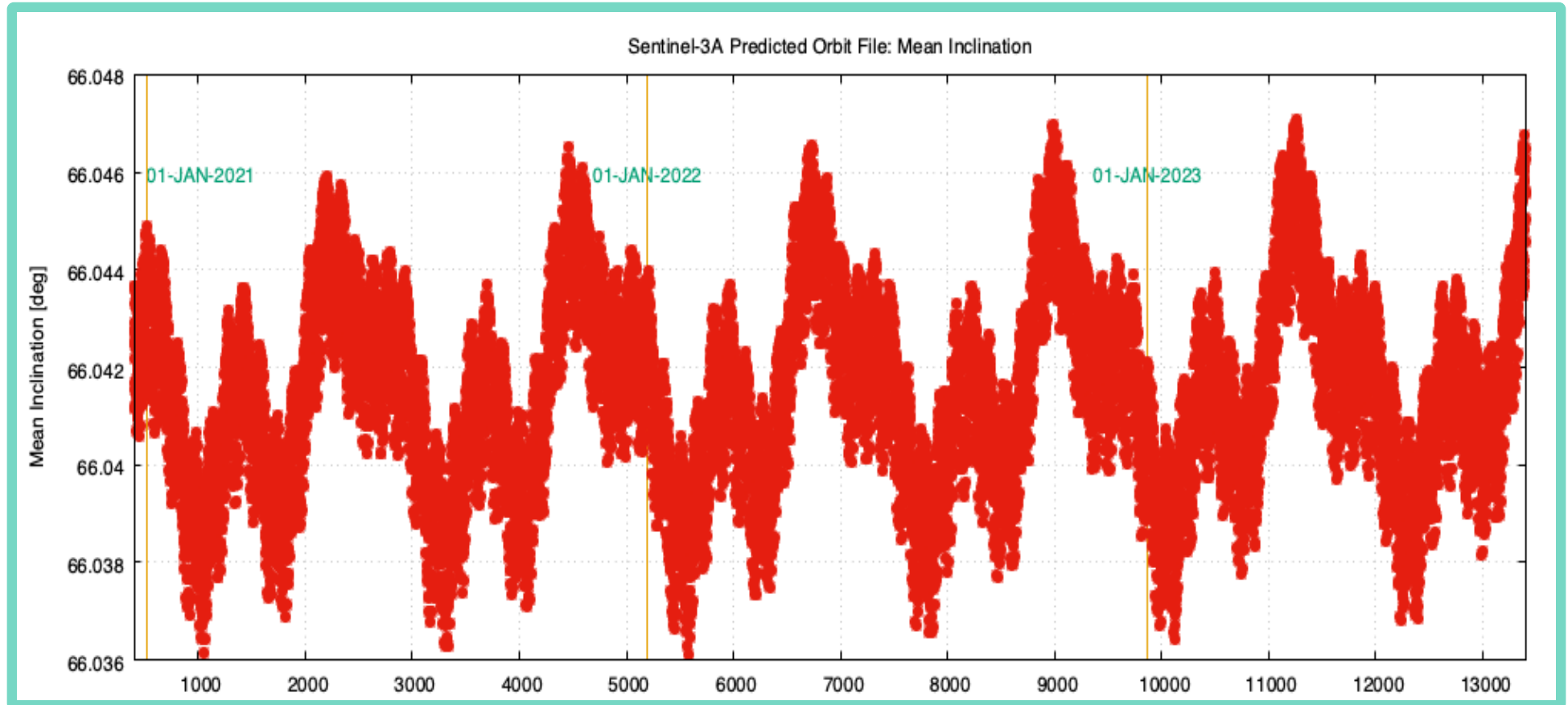
Differences in Mean Inclination



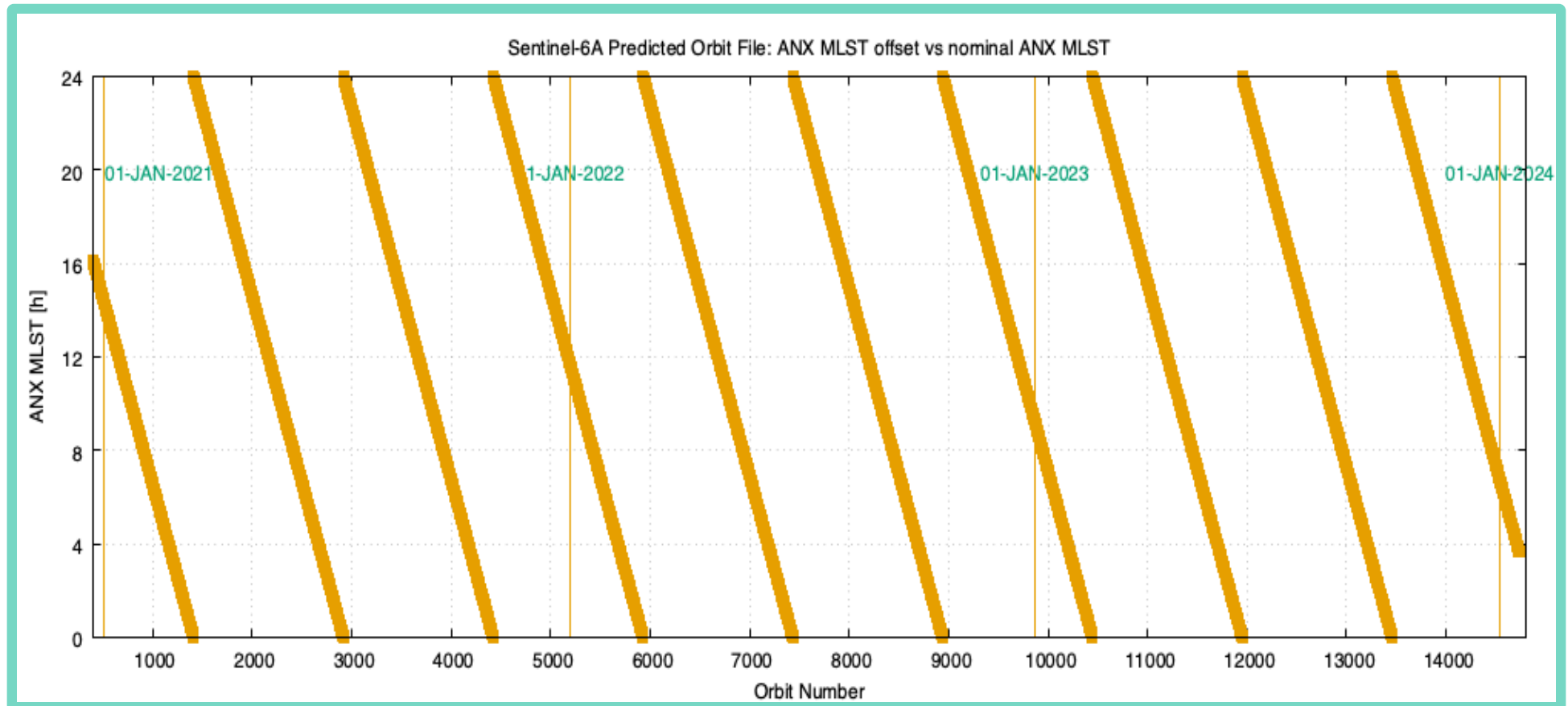
Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



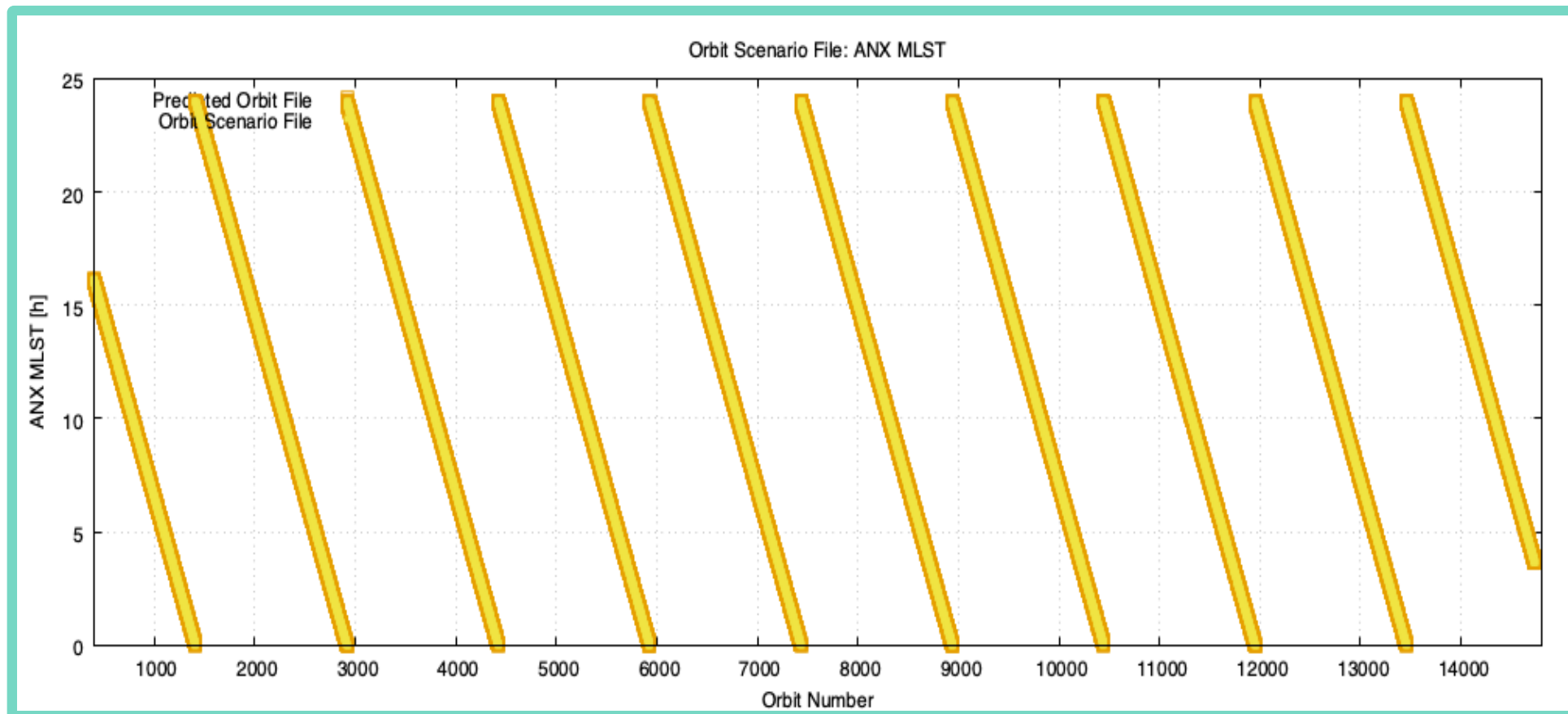
Evolution of Mean Inclination (Predicted Orbit Files)



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



Evolution of ANX Mean Local Solar Time (Orbit Scenario File vs Predicted Orbit Files)



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

