

SENTINEL1A Orbit Monitoring Report

Orbit Scenario File vs Predicted Orbit Files

Report Generation Date: 2022-09-26T18:00:00

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

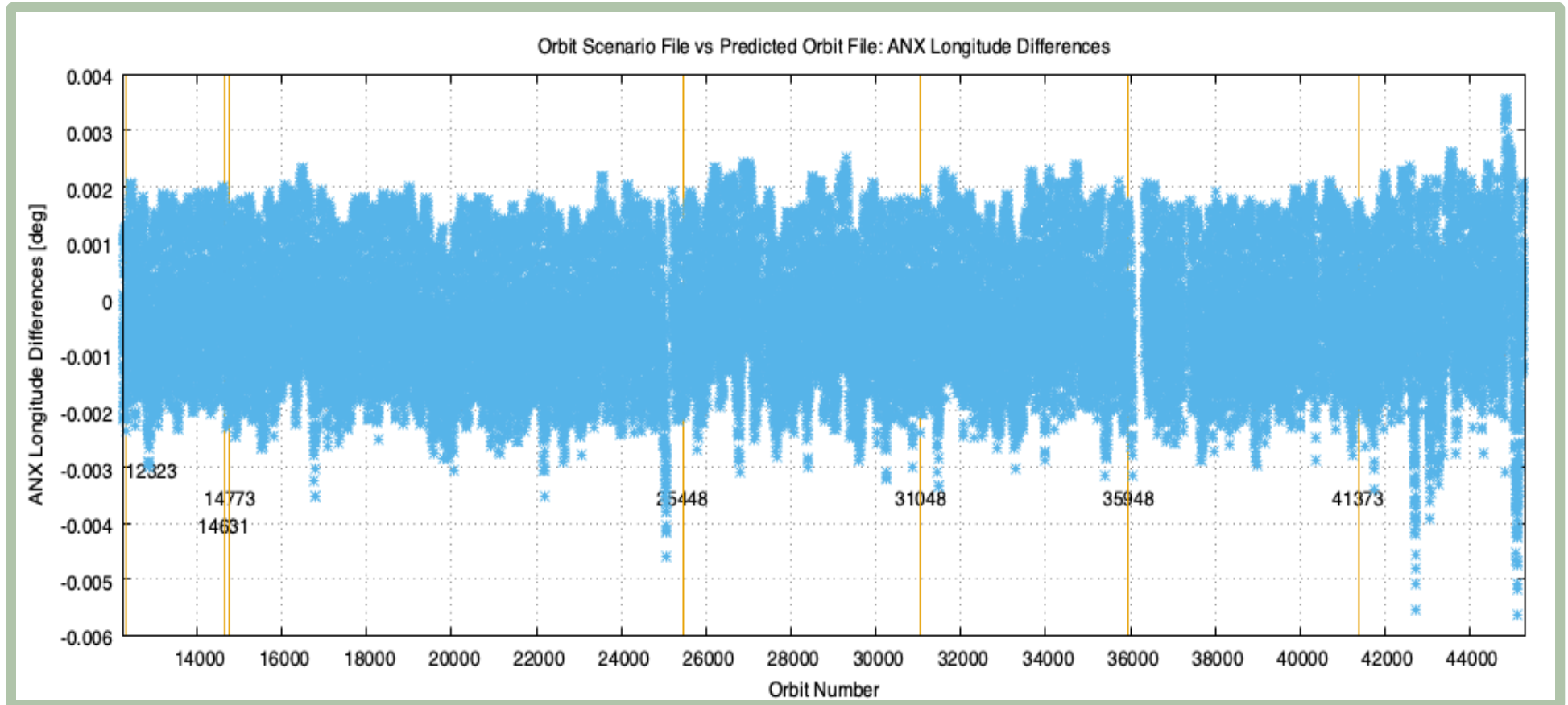
Orbit Scenario File

Filename	S1A_OPER_MPL_ORBSCT_20140507T150704_99999999T999999_0024.EOF
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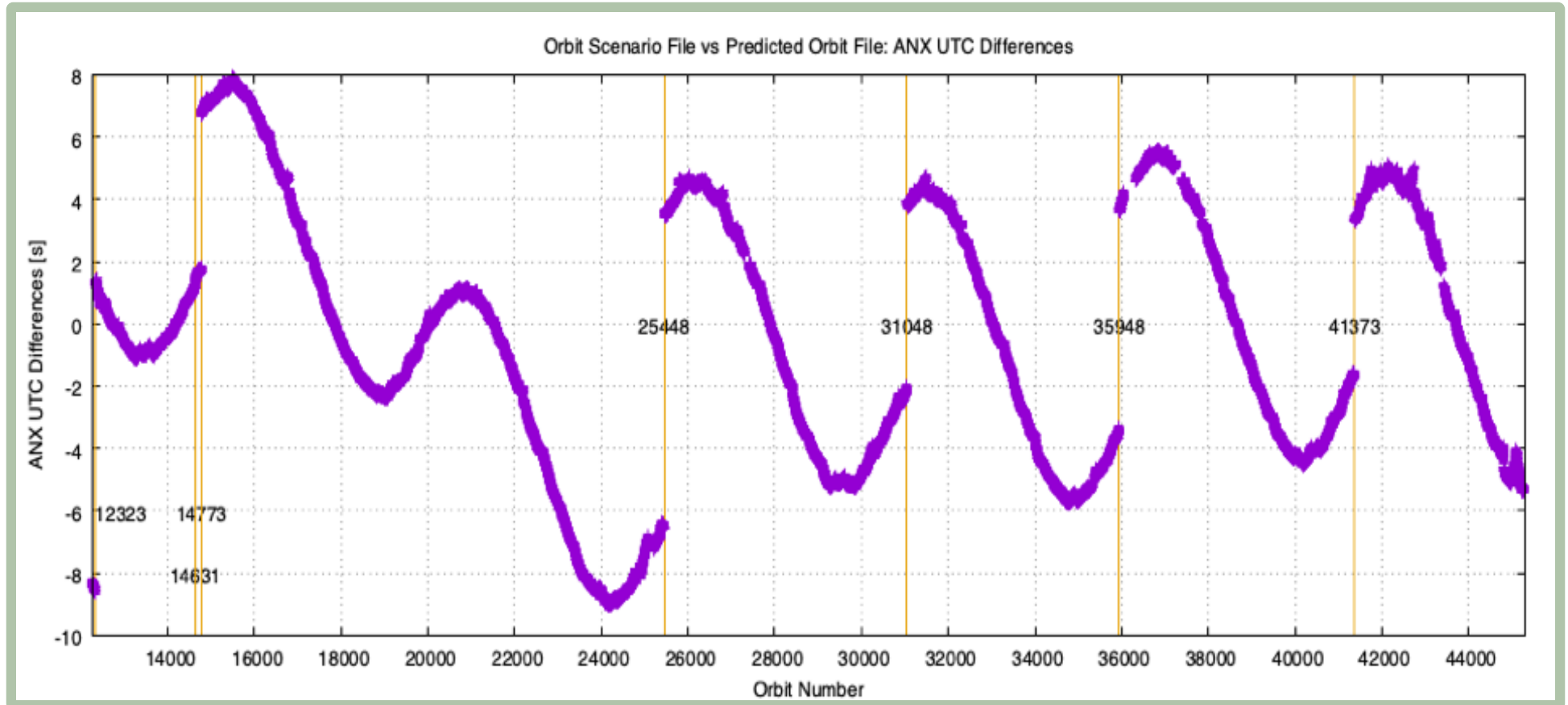
Reported Time Interval

Begin UTC Time	2016-07-21T21:09:24.876491
Begin Absolute Orbit	12252
End UTC Time	2022-10-03T01:00:28.974633
End Absolute Orbit	45271

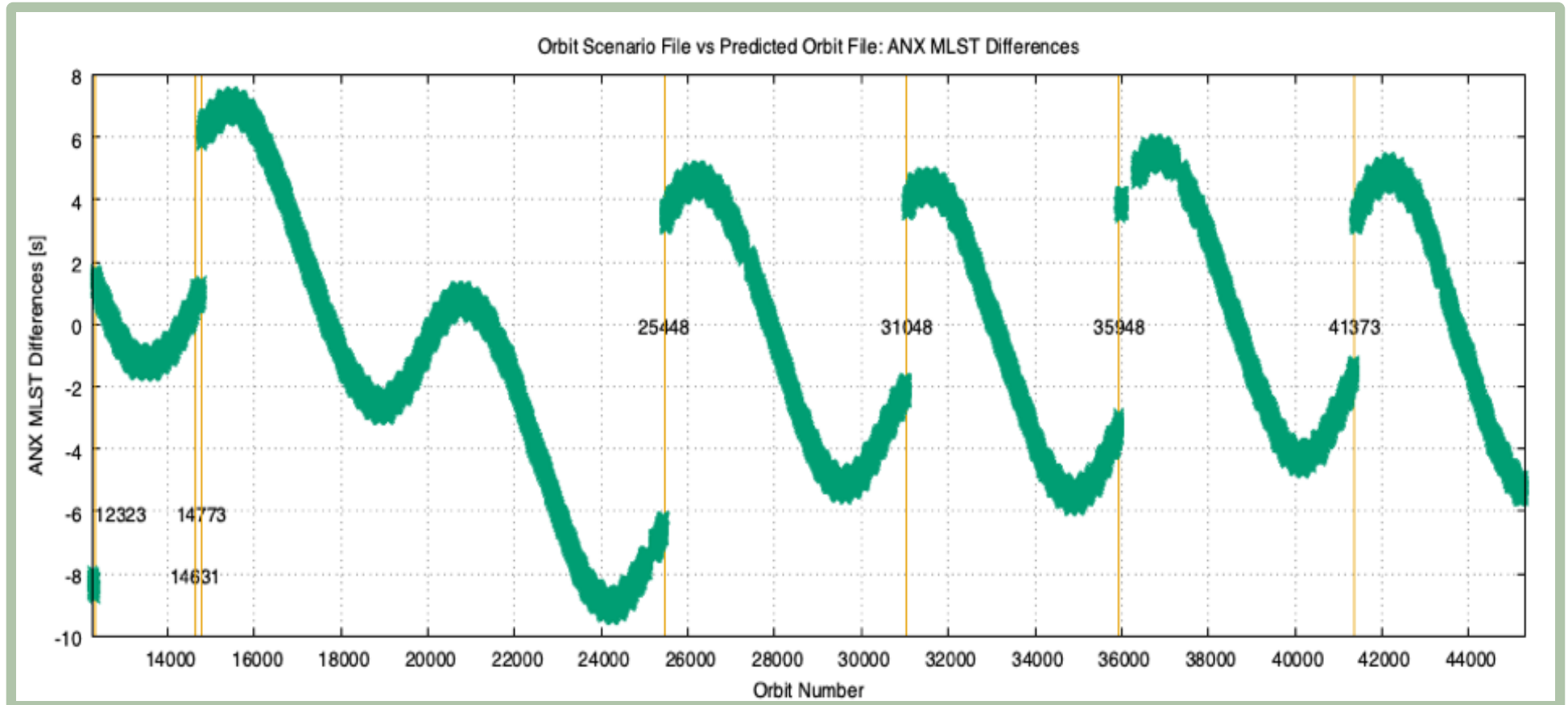
Differences in ANX Longitude



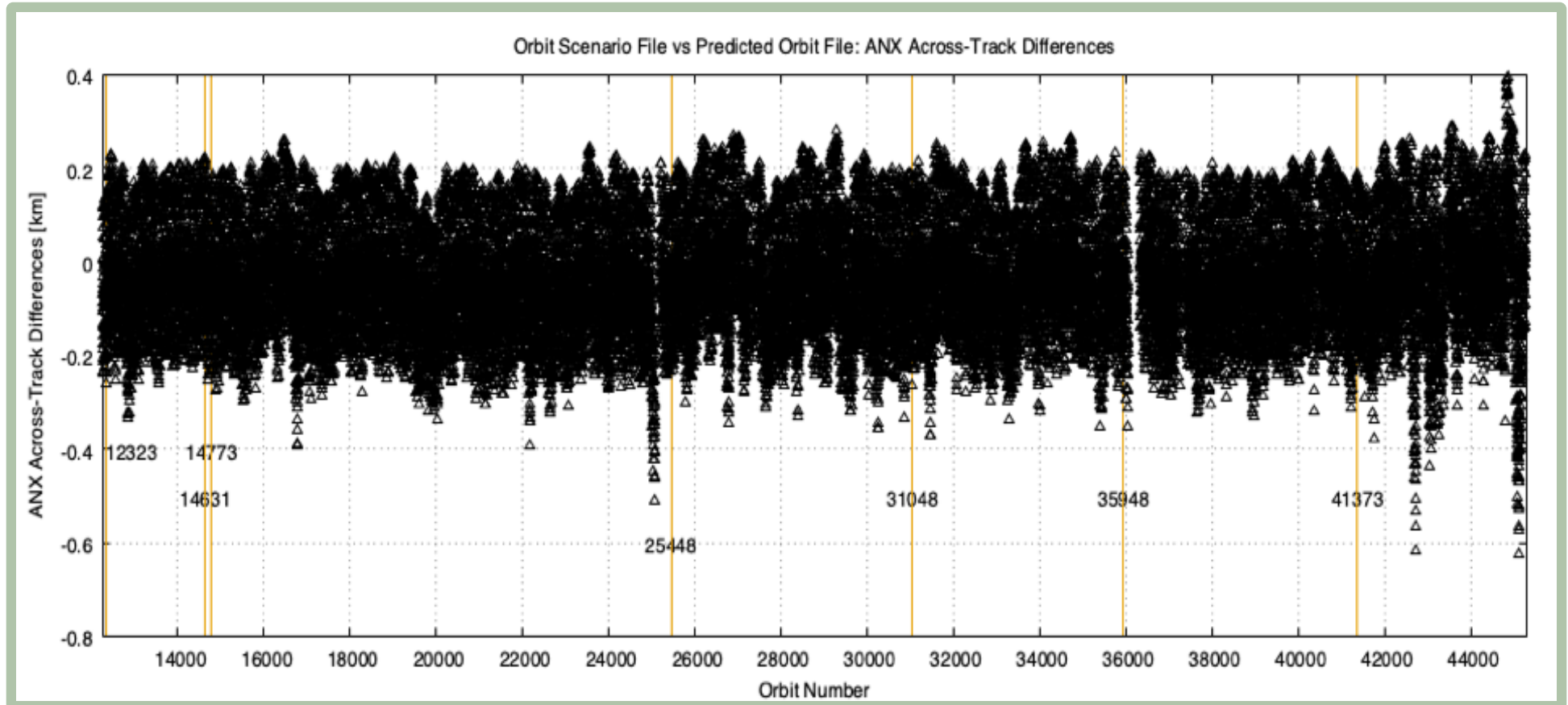
Differences in ANX UTC Time



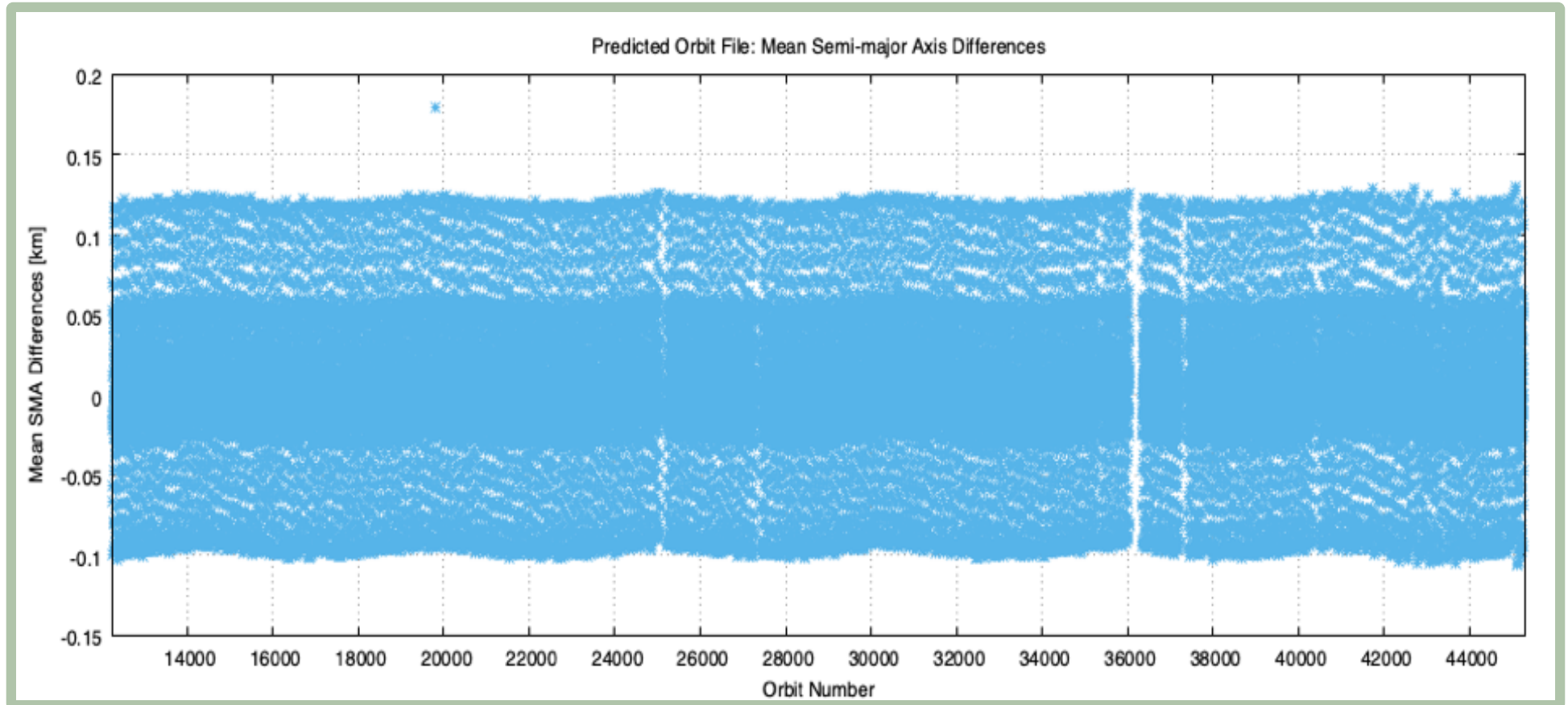
Differences in ANX Mean Local Solar Time



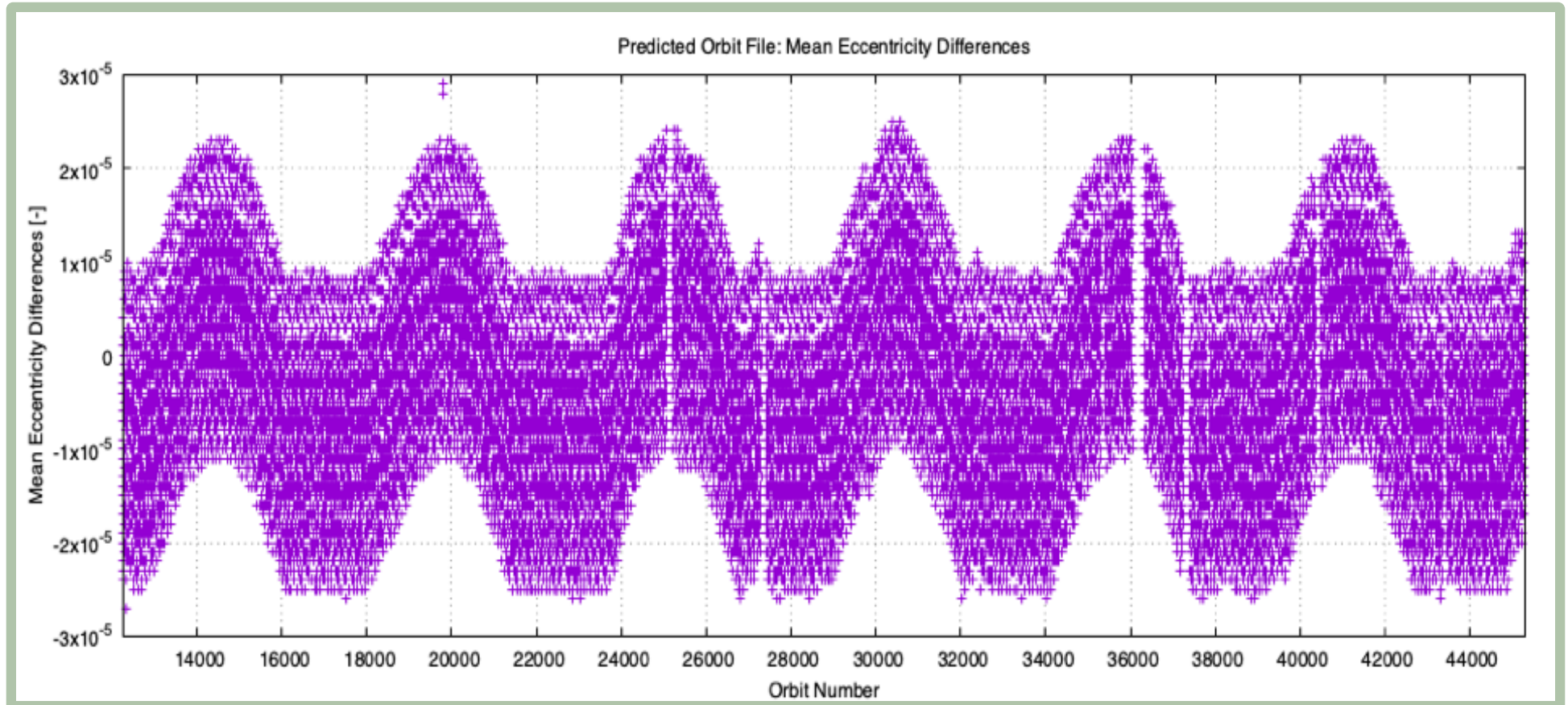
Differences in ANX Across-track



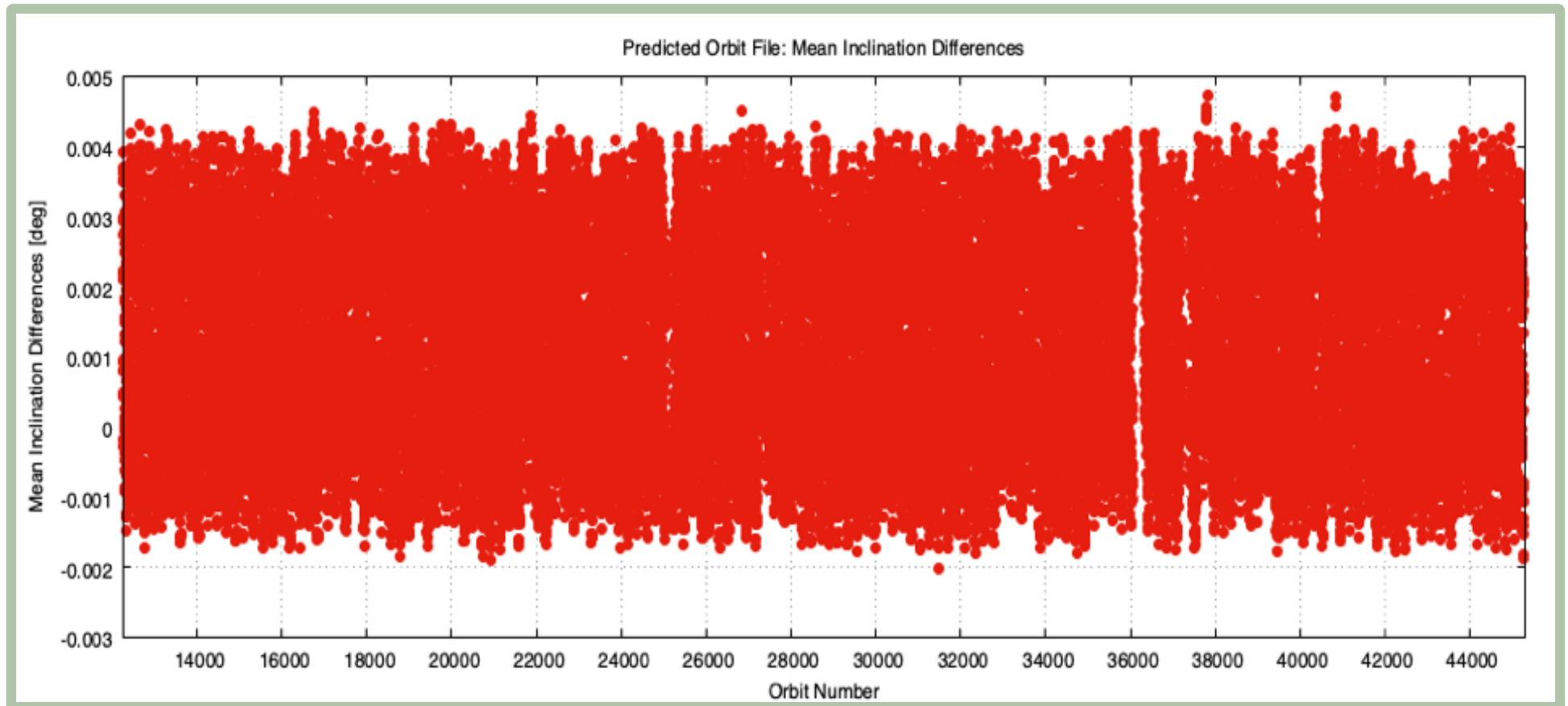
Differences in Mean Semi-major Axis



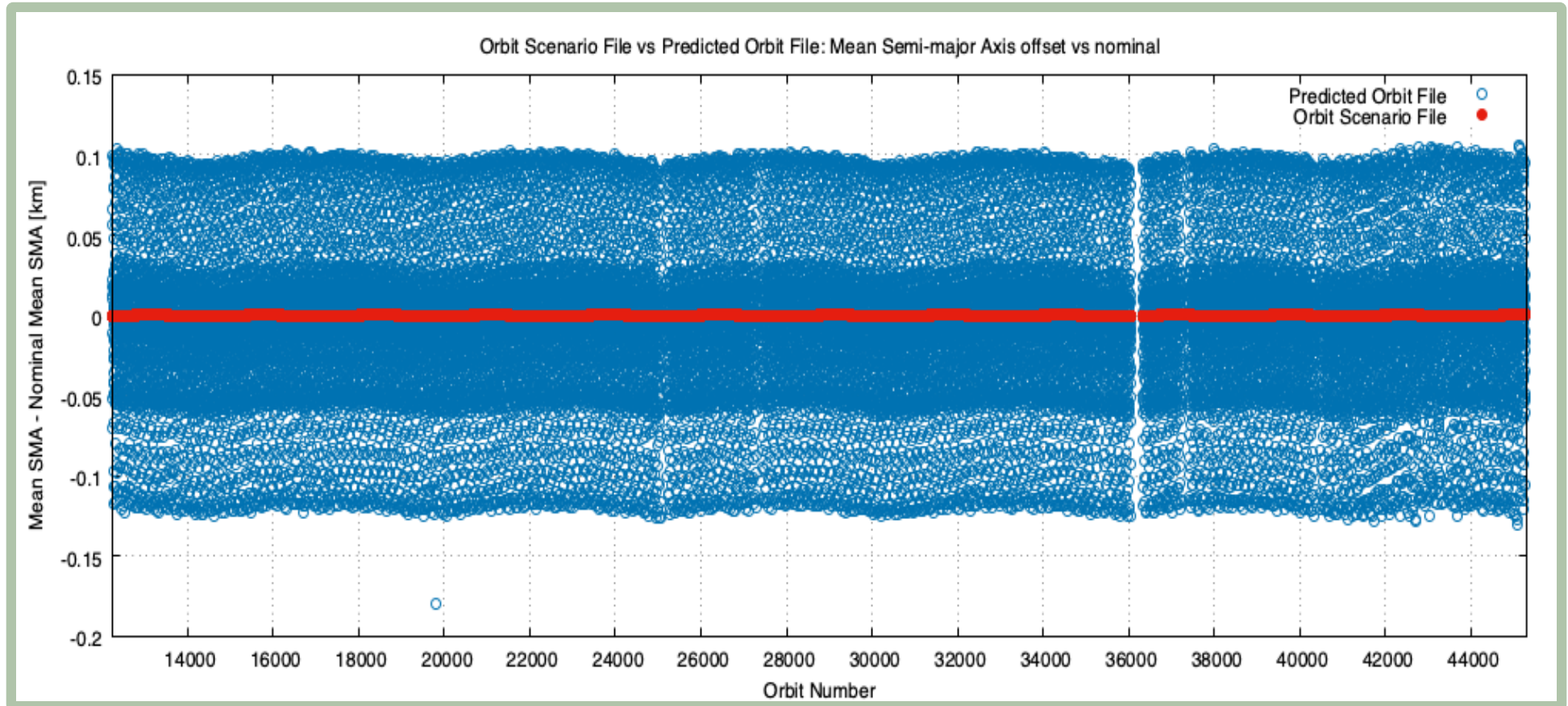
Differences in Eccentricity



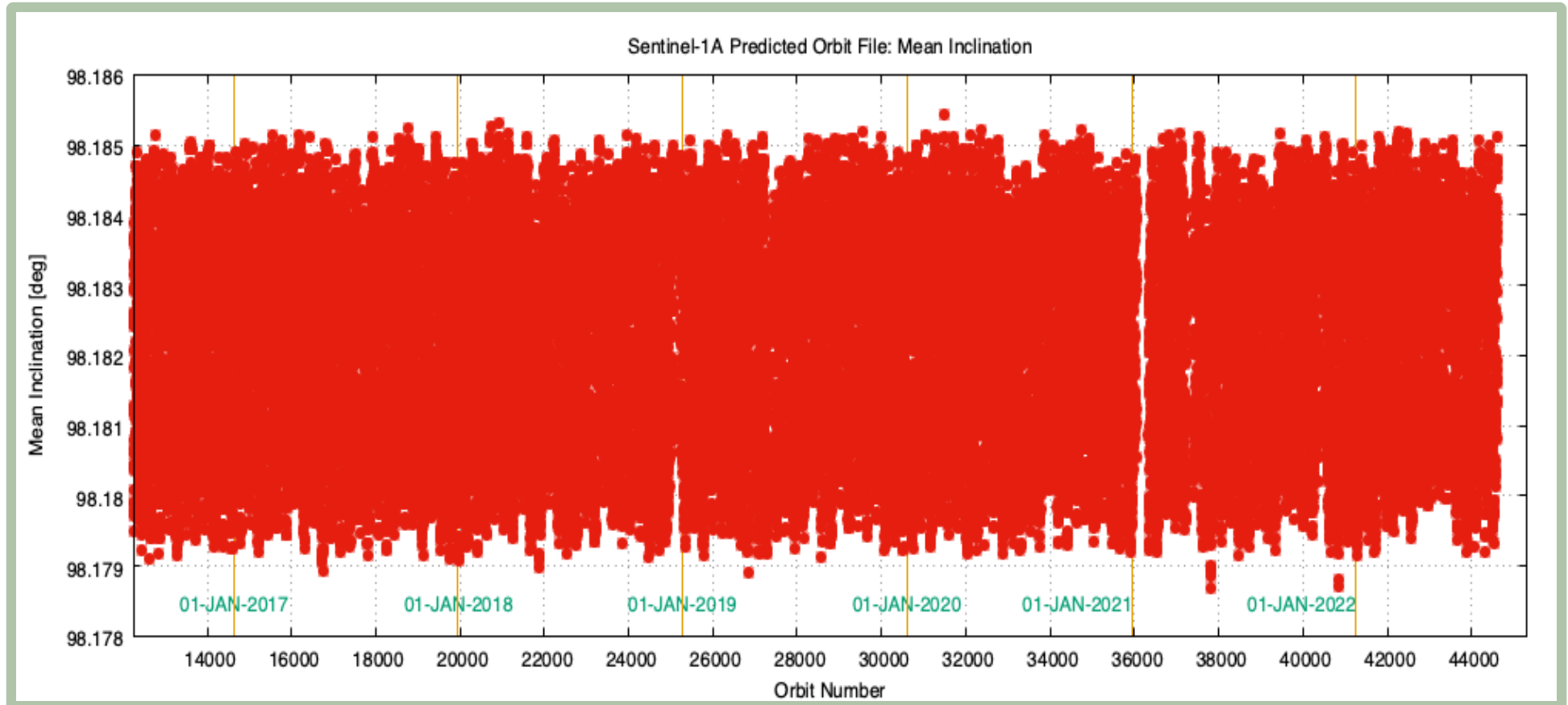
Differences in Mean Inclination



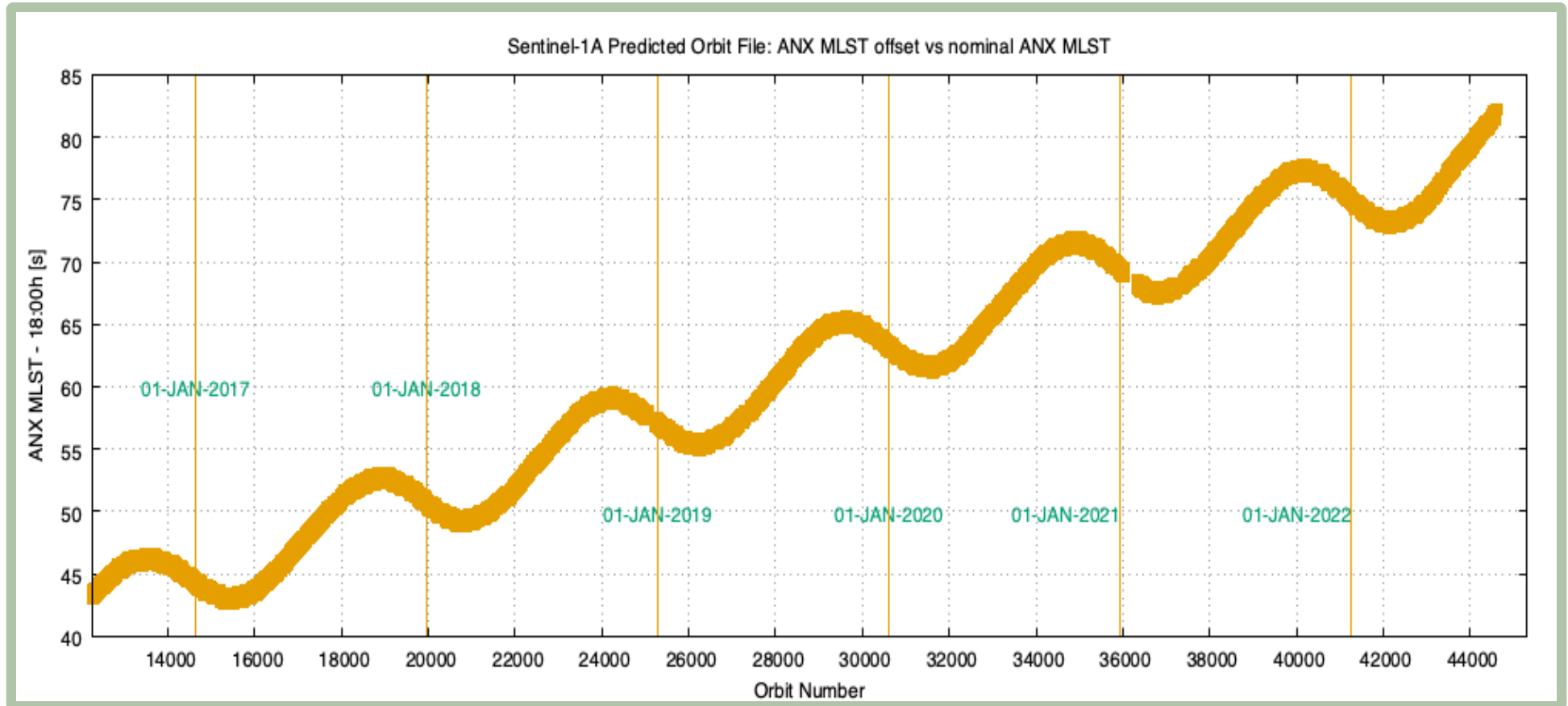
Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



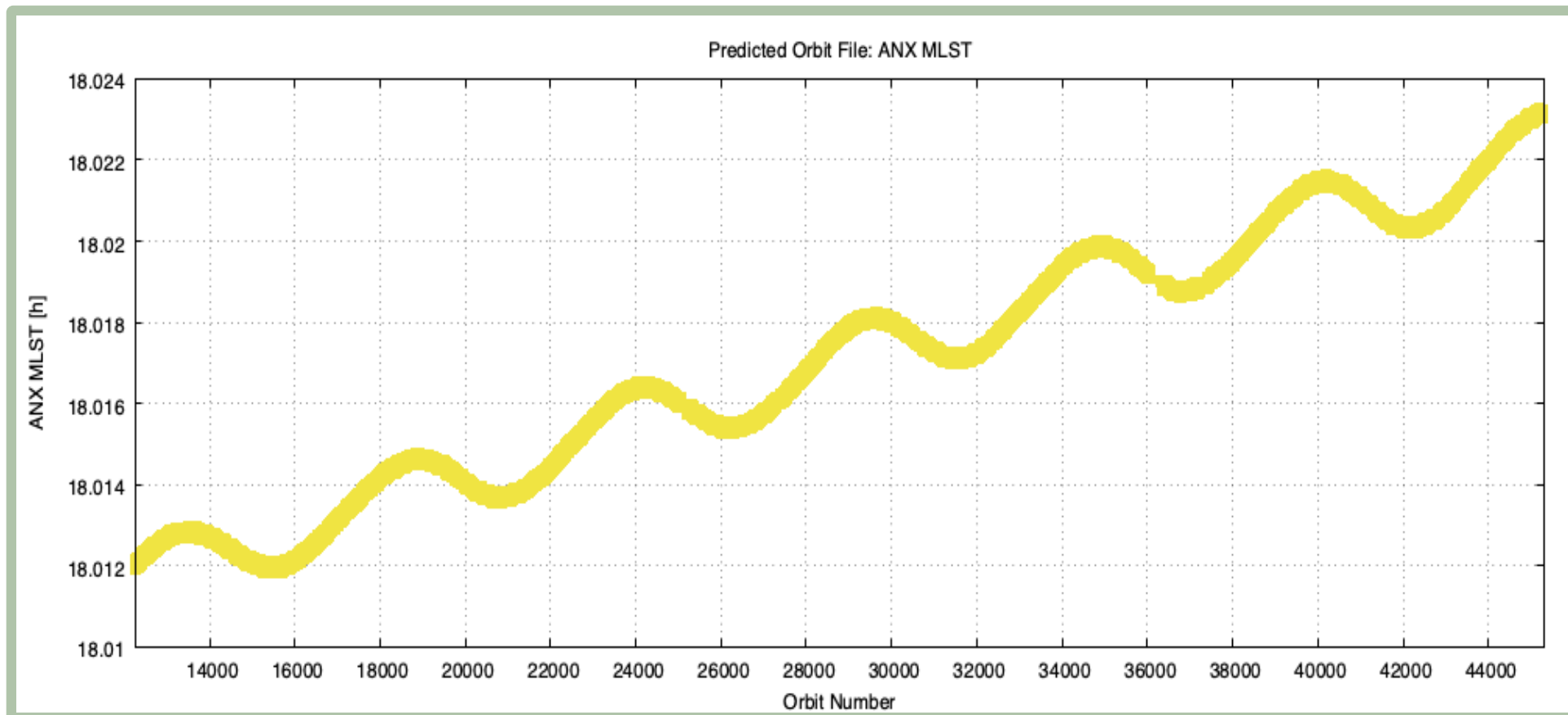
Evolution of Mean Inclination (Predicted Orbit Files)



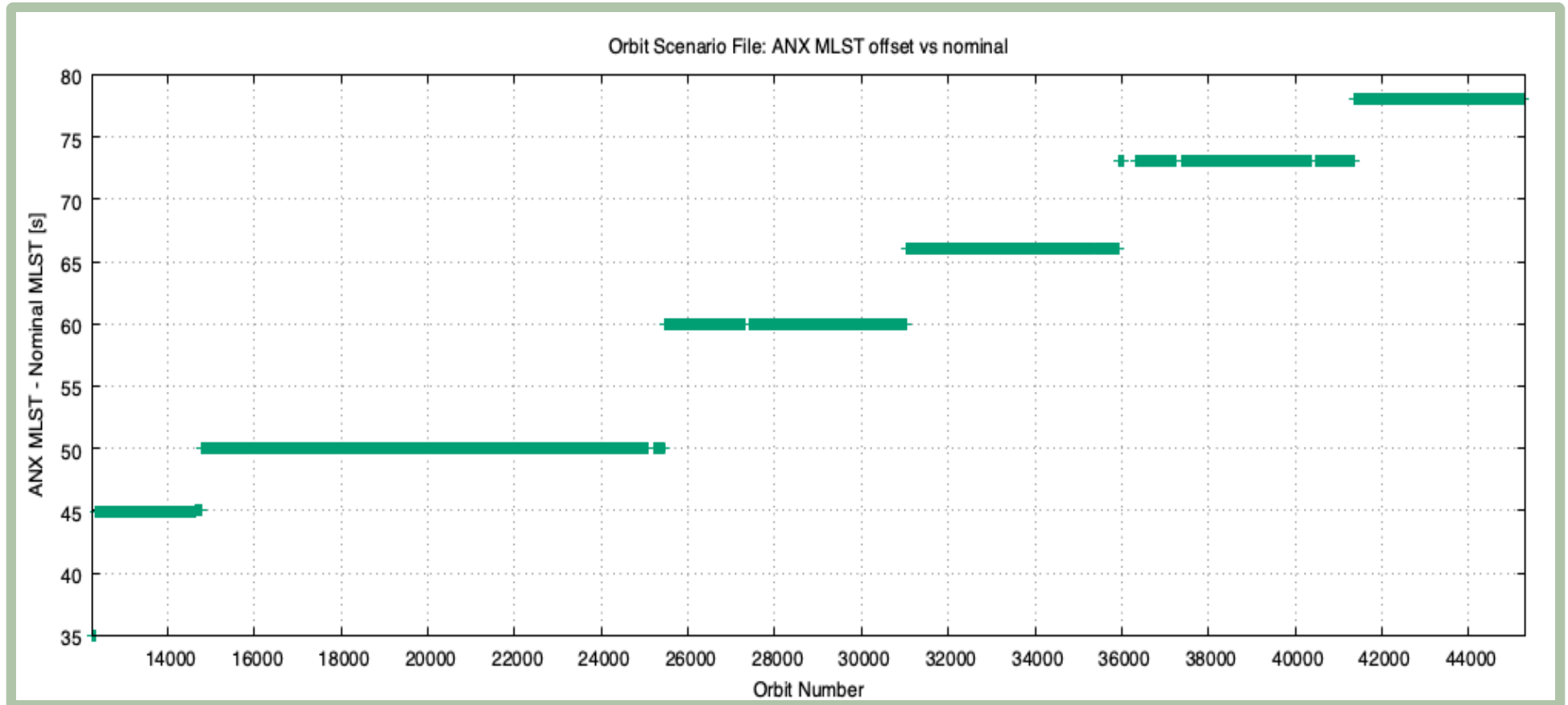
Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): Offset vs Nominal ANX MLST



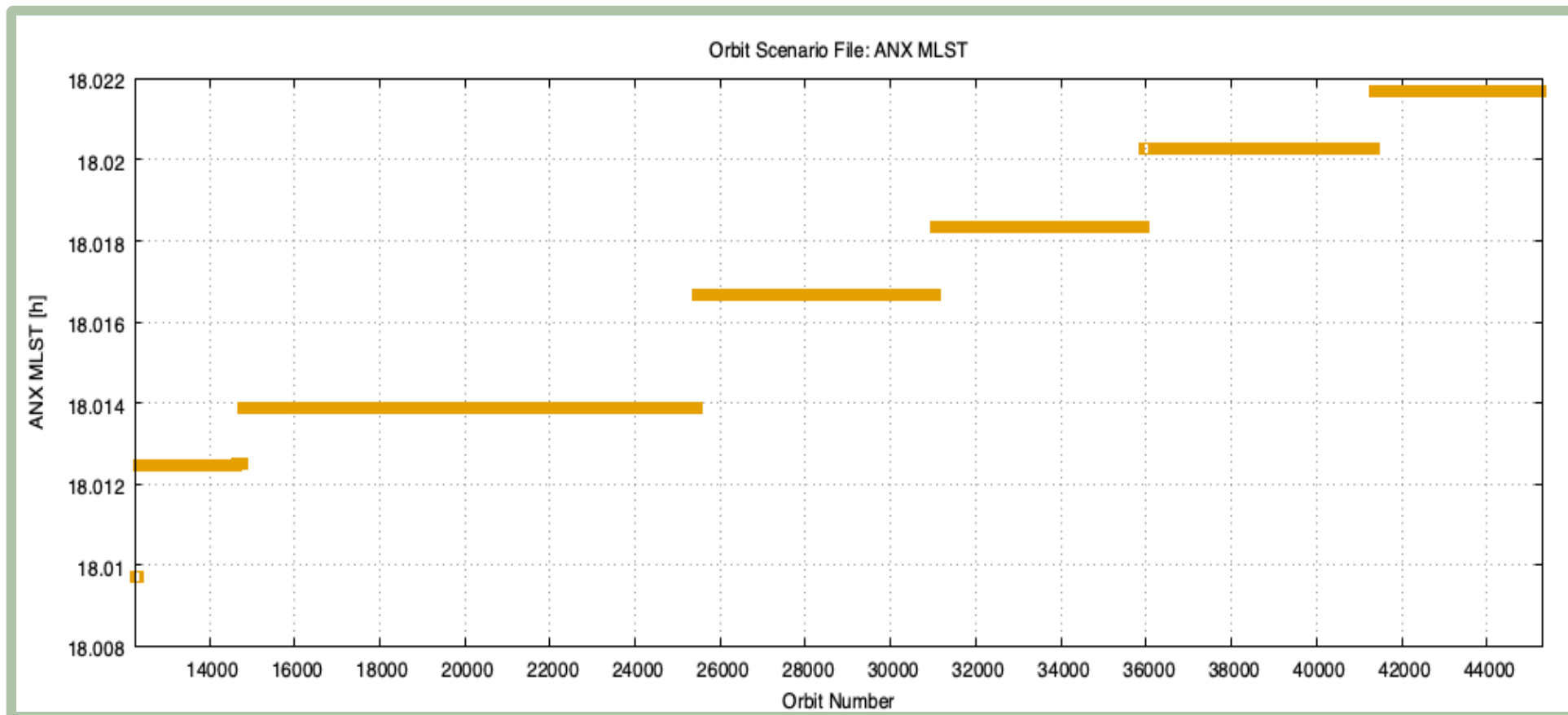
Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): ANX MLST



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

