

AEOLUS Orbit Monitoring Report

Orbit Scenario File vs Restituted Orbit File

Report Generation Date: 2021-09-15T00:00:00

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

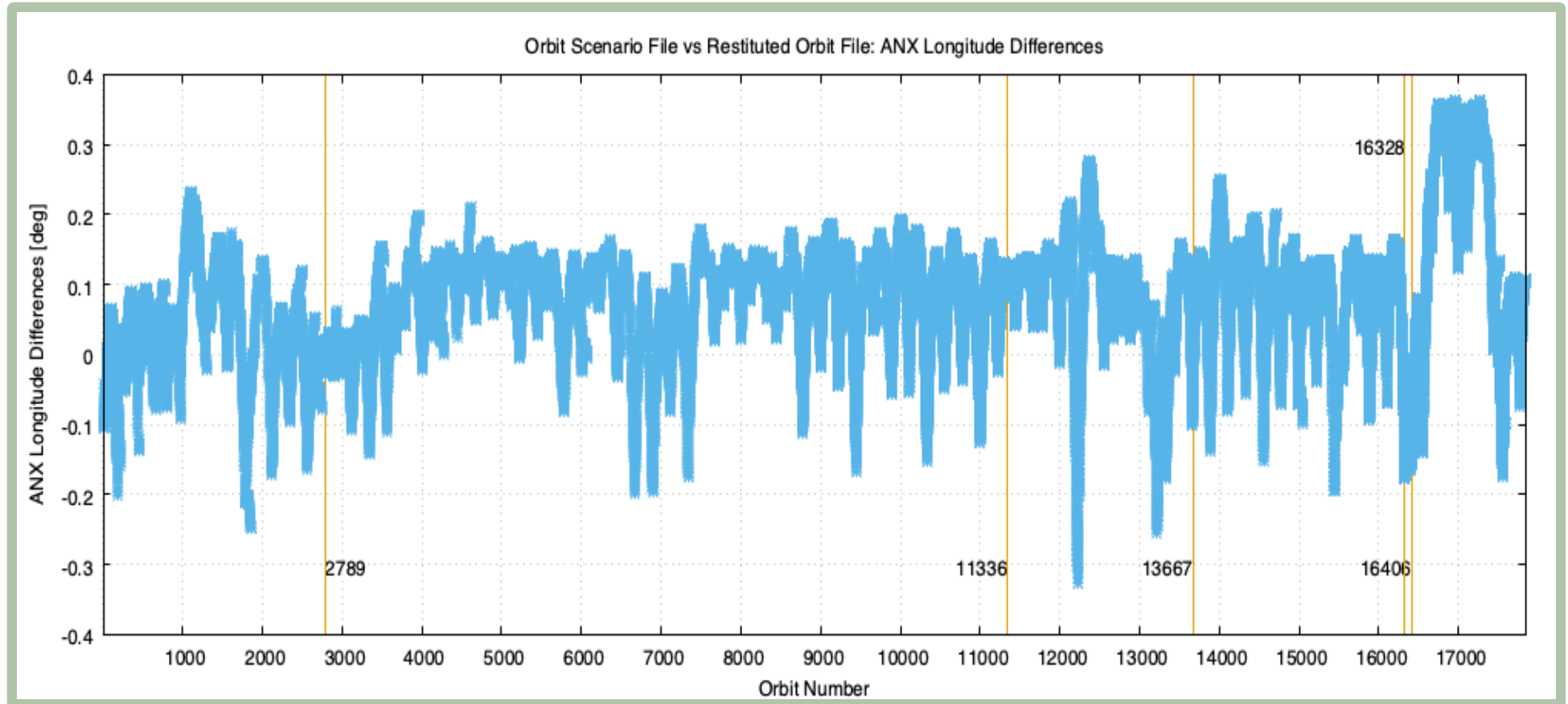
Orbit Scenario File

Filename	AE_OPER_MPL_ORBSCT_20180822T225352_99999999T999999_0015.EEF
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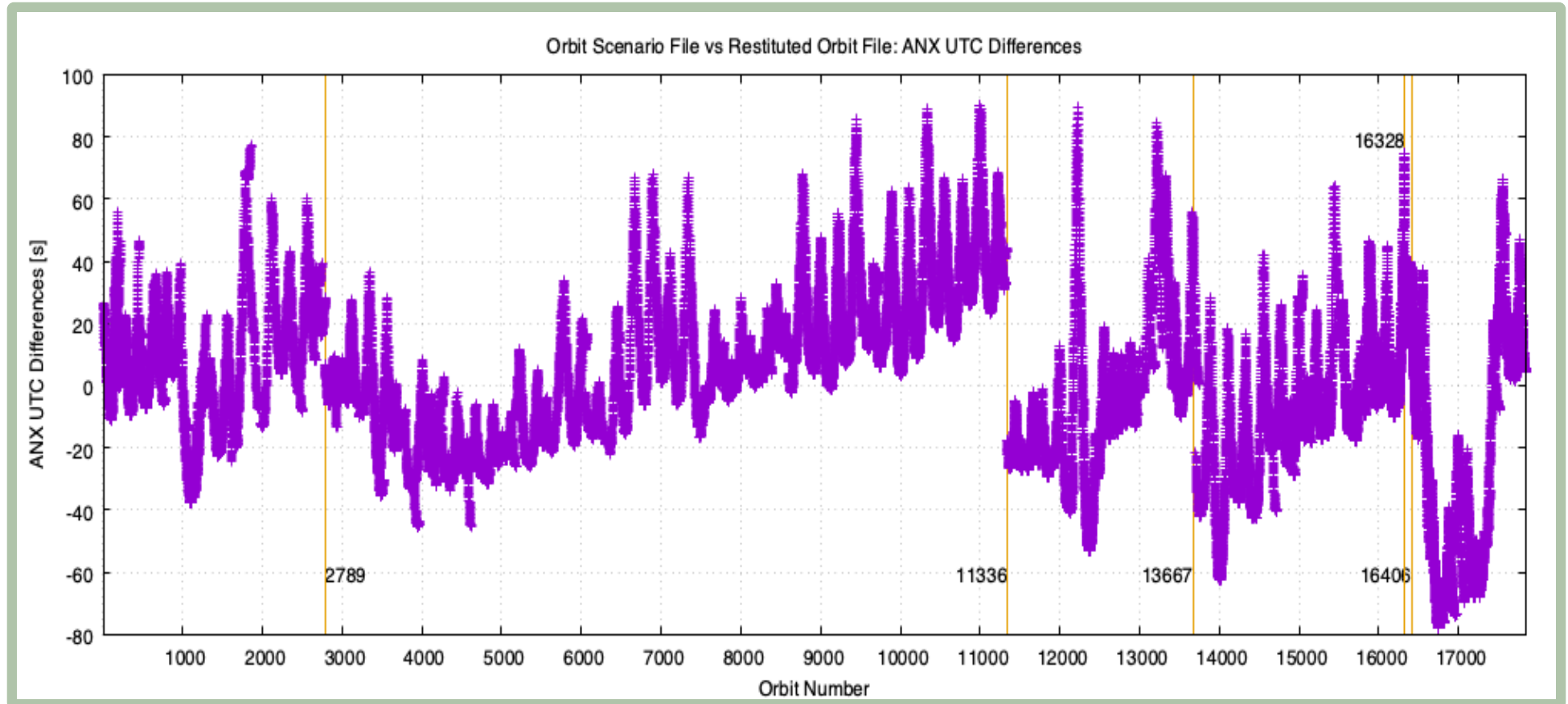
Reported Time Interval

Begin UTC Time	2018-08-22T22:15:00.000000
Begin Absolute Orbit	2
End UTC Time	2021-09-20T23:13:44.355706
End Absolute Orbit	17841

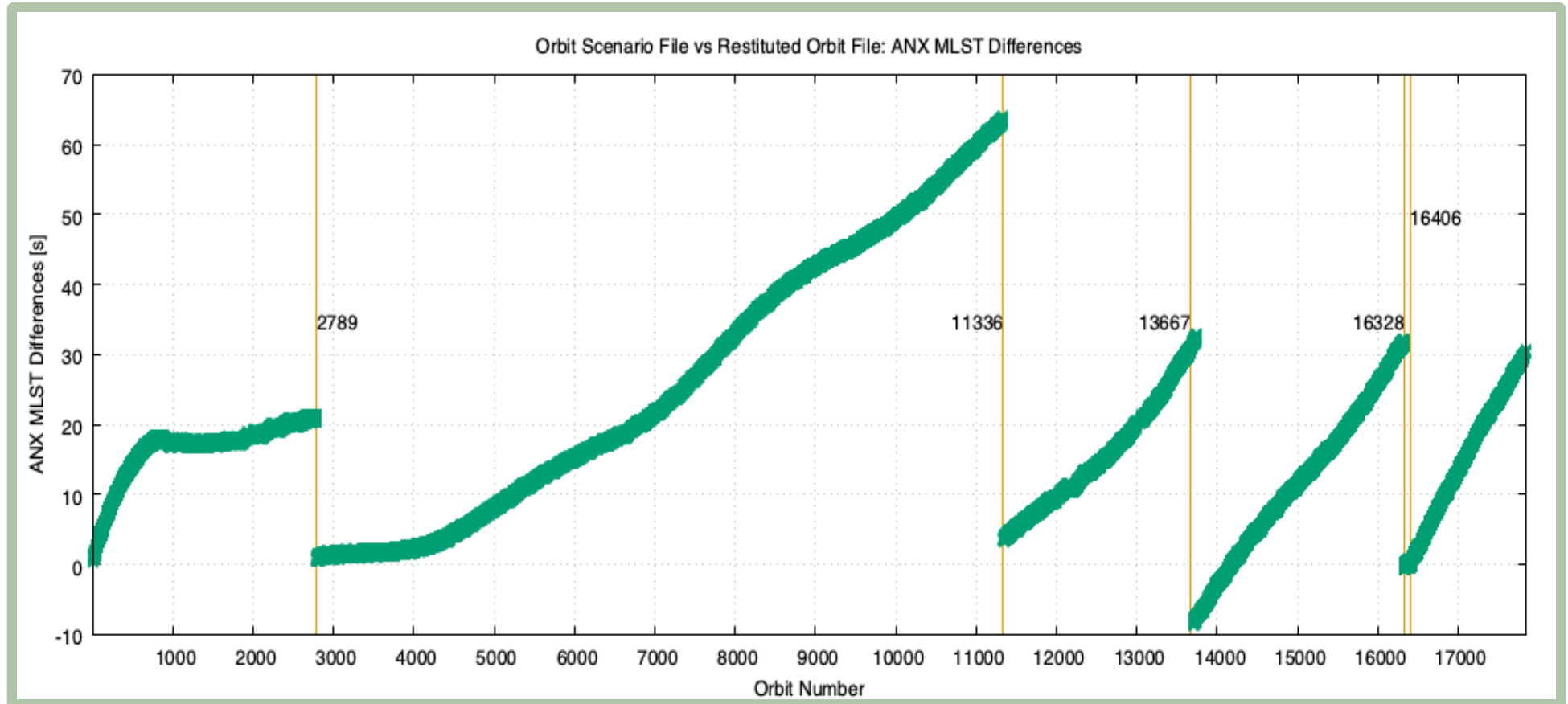
Differences in ANX Longitude



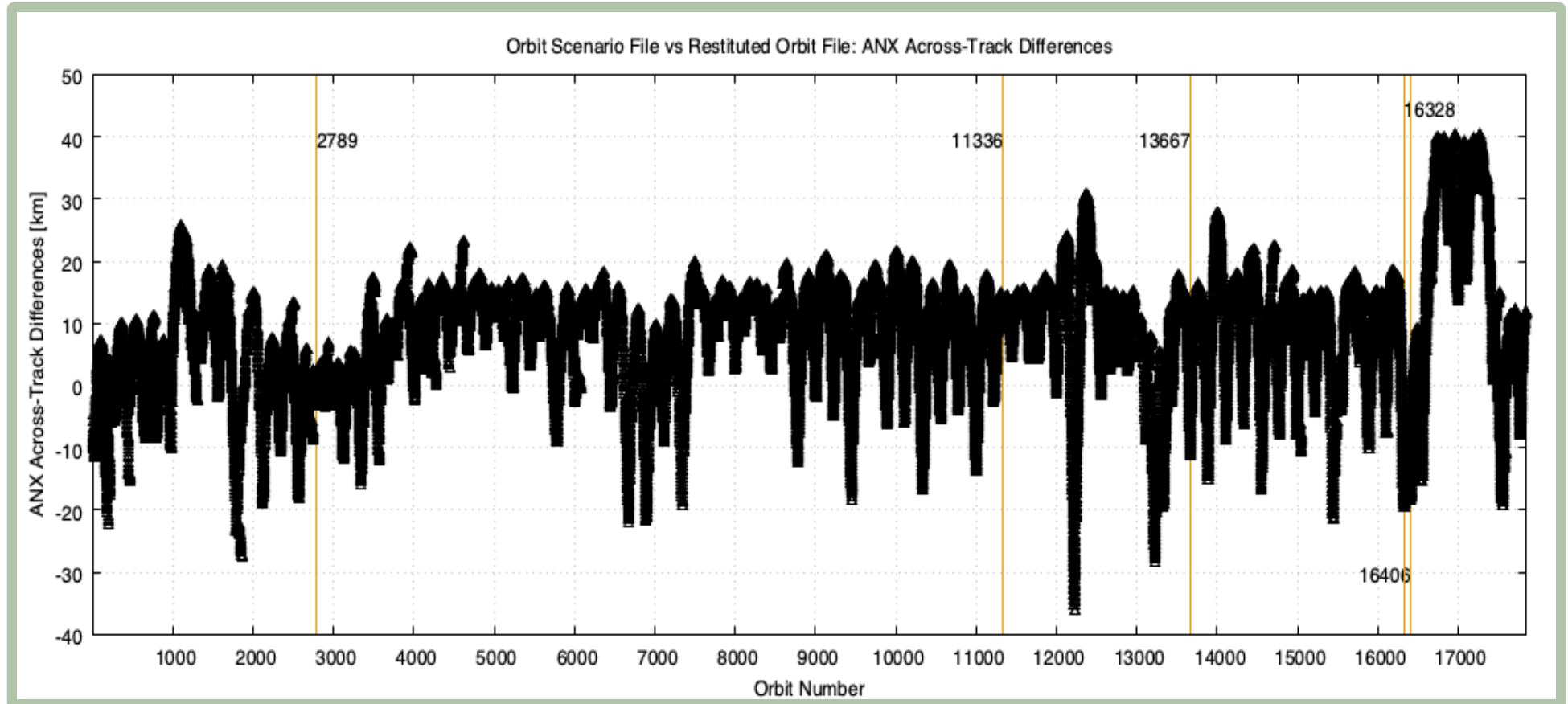
Differences in ANX UTC Time



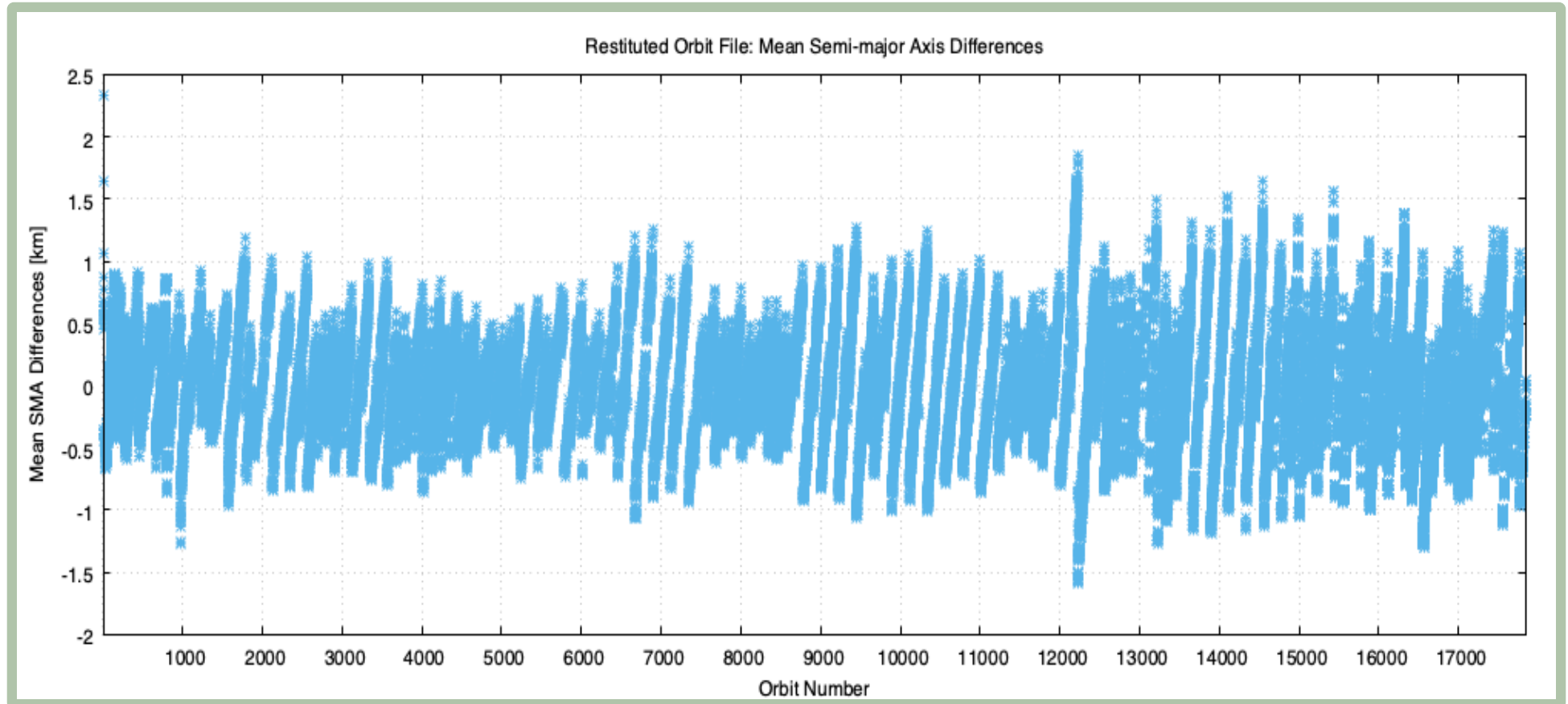
Differences in ANX Mean Local Solar Time



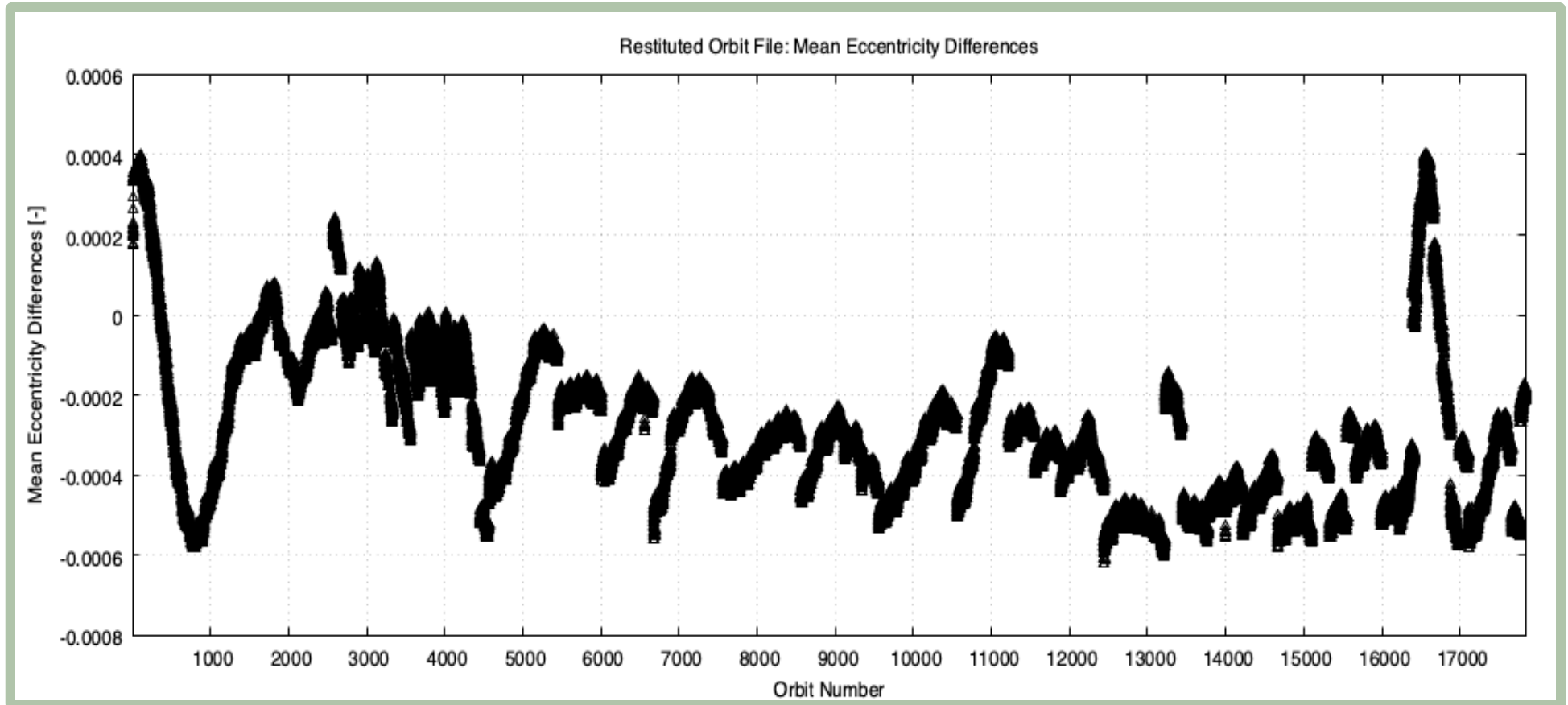
Differences in ANX Across-track



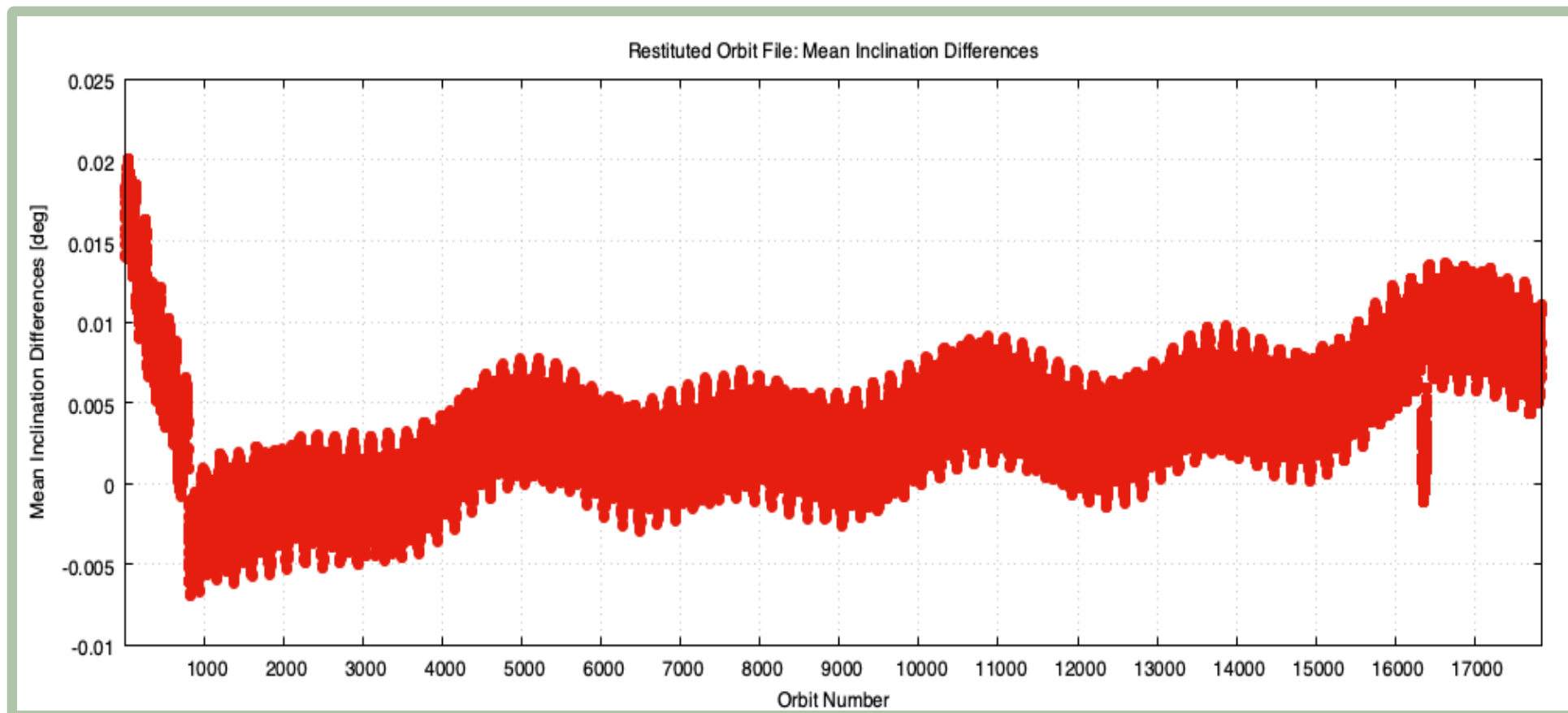
Differences in Mean Semi-major Axis



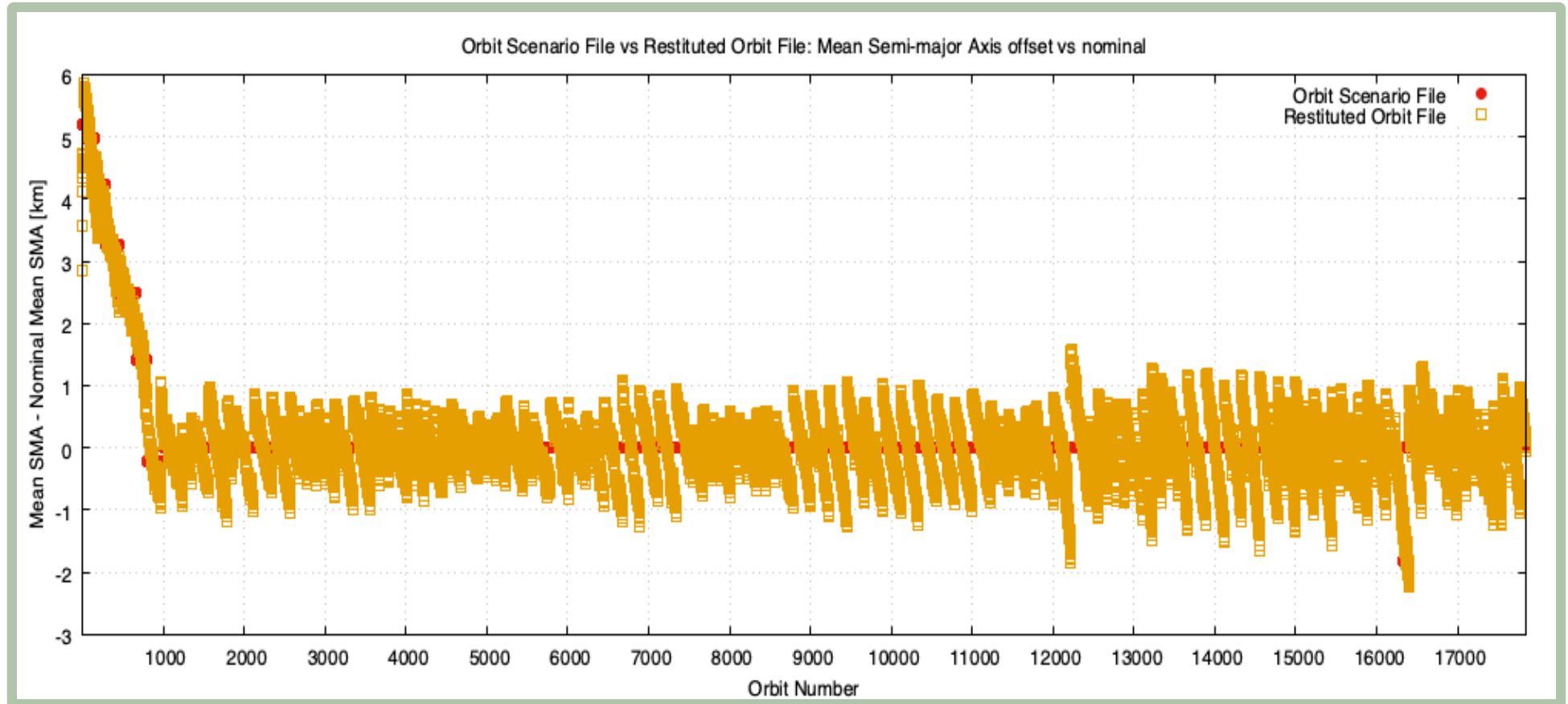
Differences in Eccentricity



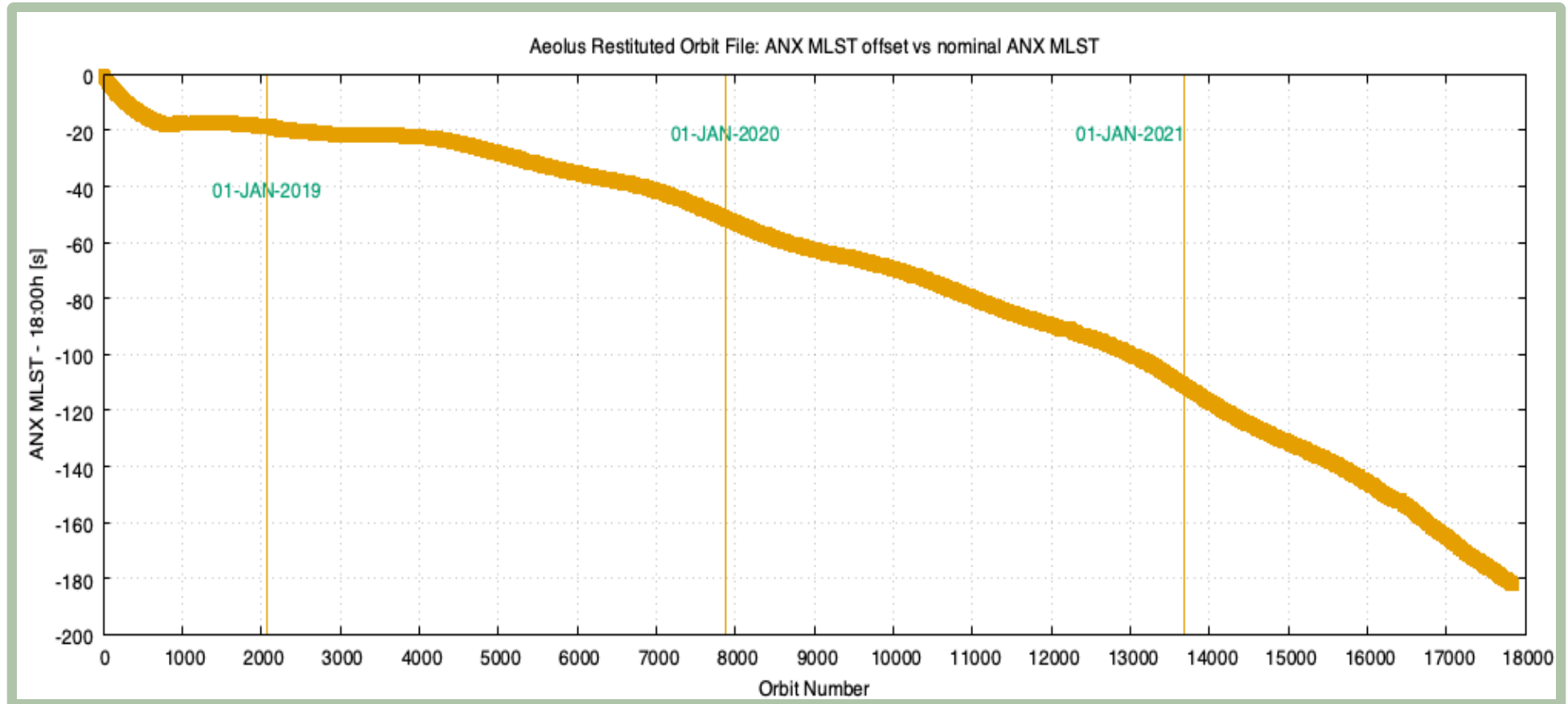
Differences in Mean Inclination



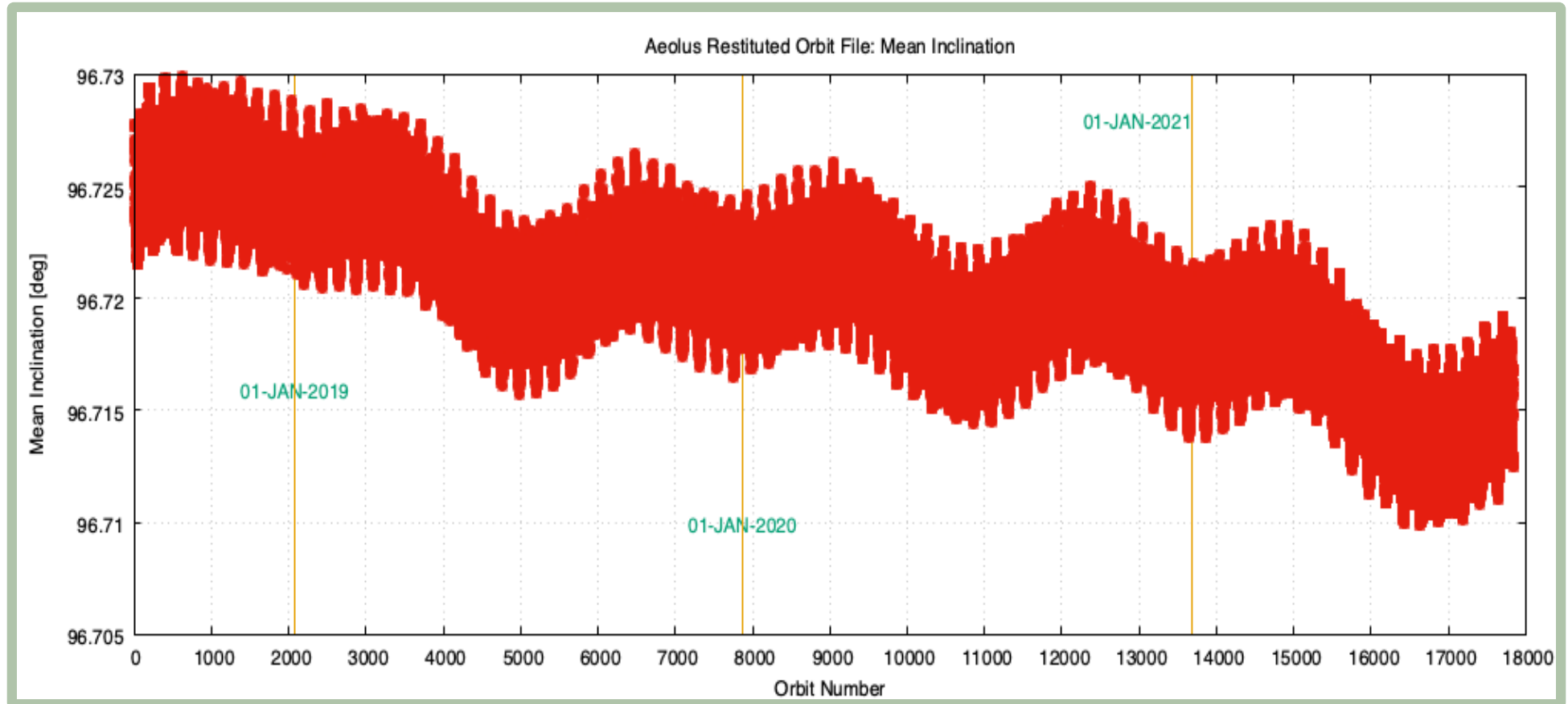
Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



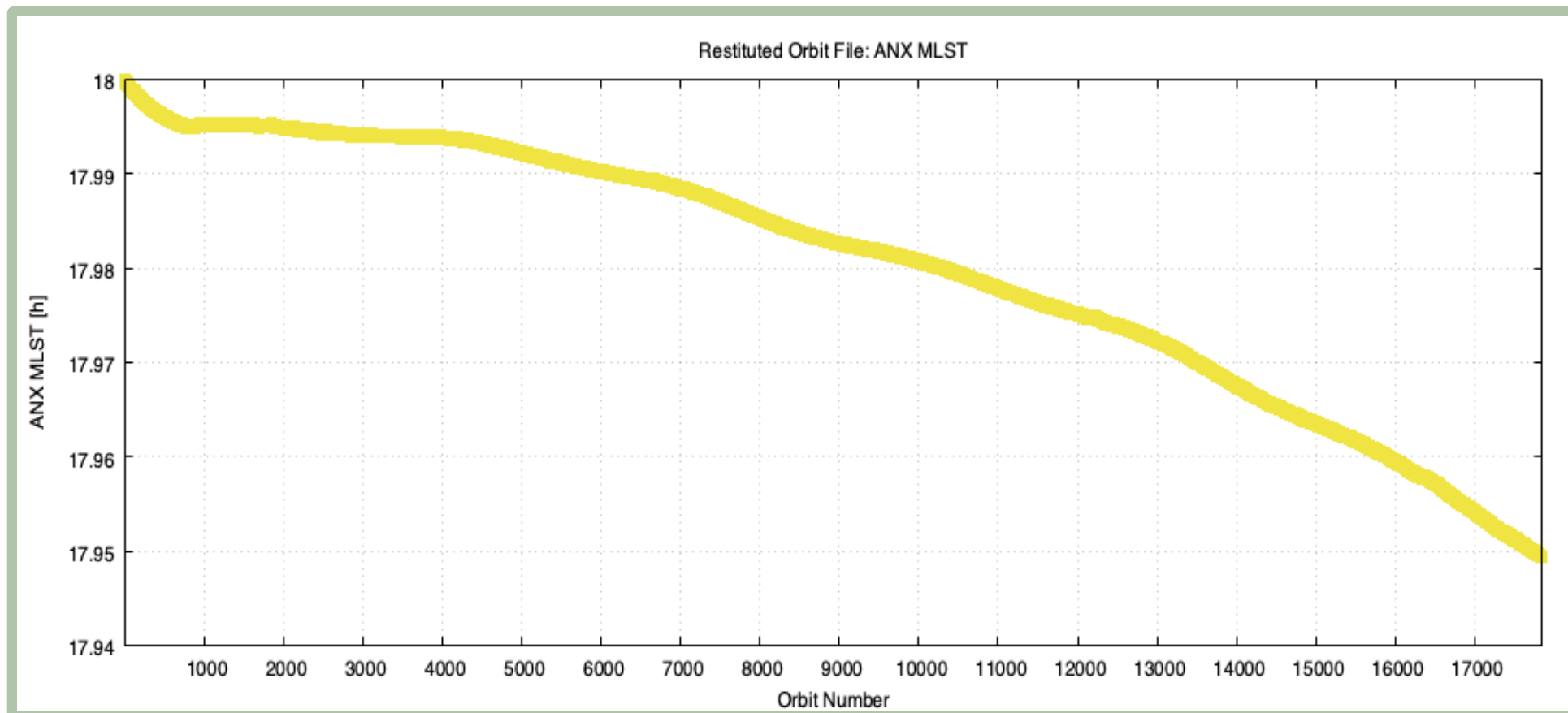
Evolution of ANX Mean Local Solar Time (Restituted Orbit Files): Offset vs Nominal ANX MLST



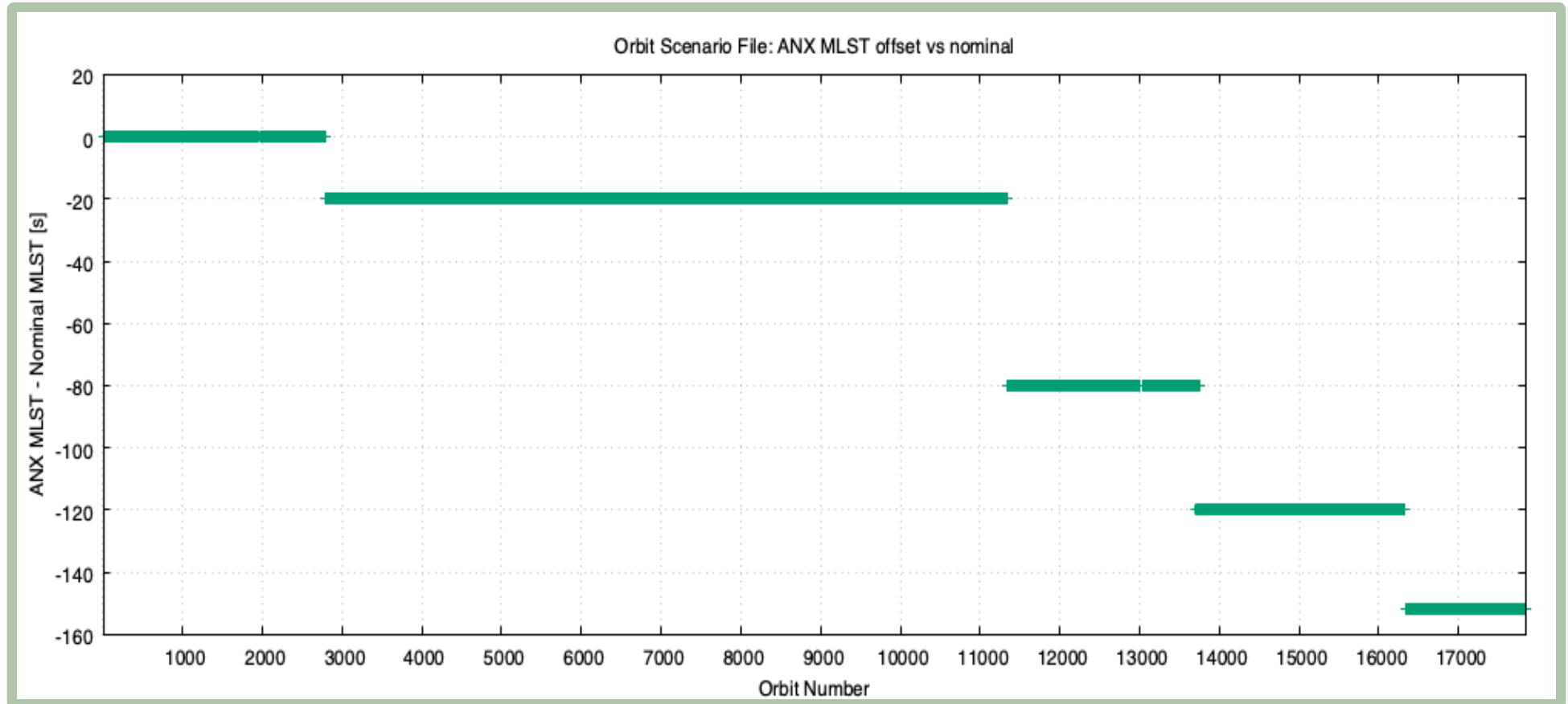
Evolution of Mean Inclination (Restituted Orbit Files)



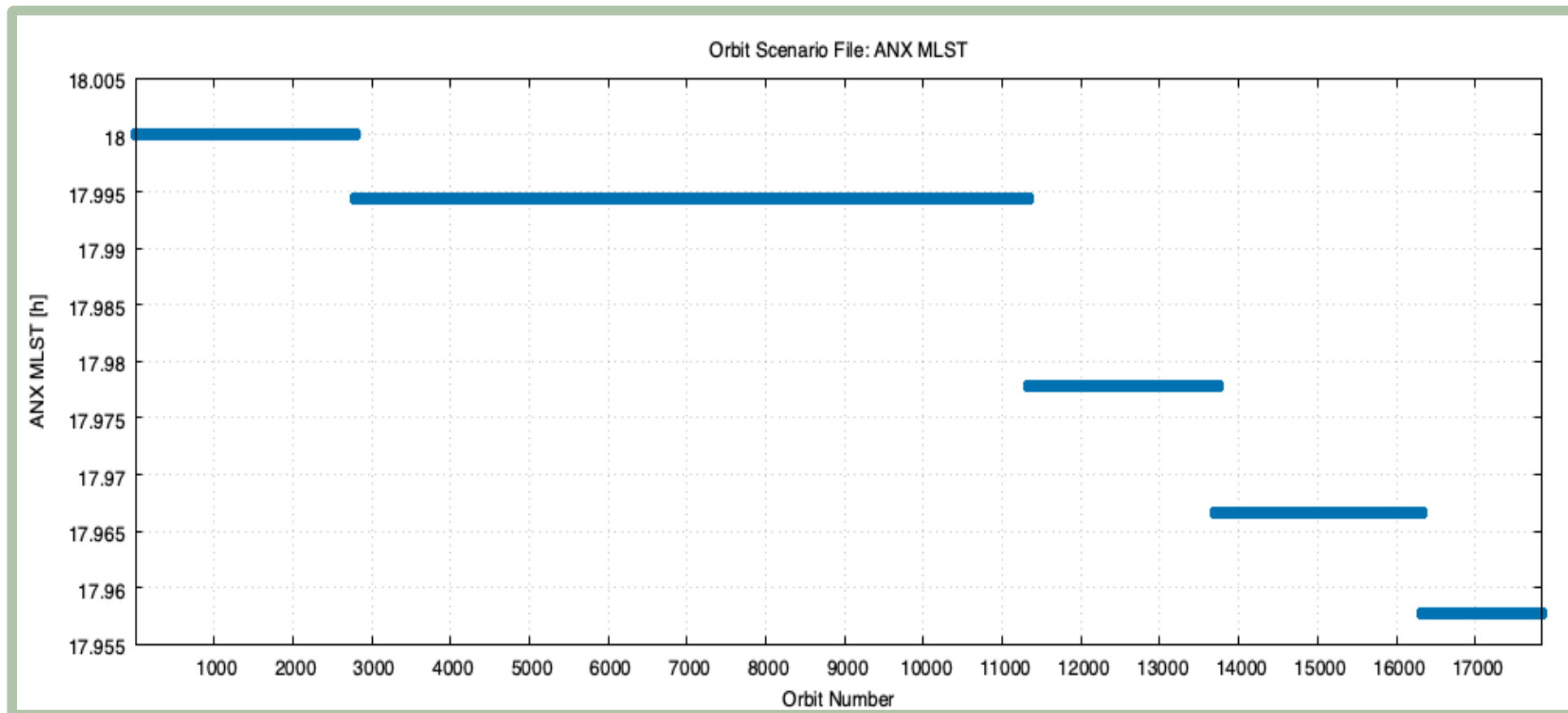
Evolution of ANX Mean Local Solar Time (Restituted Orbit Files): ANX MLST



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

