AEOLUS Orbit Monitoring Report

Orbit Scenario File vs Restituted Orbit File

Report Generation Date: 2020-11-03T09:00:00

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

Orbit Scenario File

Filename	AE_OPER_MPL_ORBSCT_20180822T225352_99999999T999999_0012.EEF

Reported Time Interval

Begin UTC Time	2018-08-22T22:15:00.000000
Begin Absolute Orbit	2
End UTC Time	2020-11-08T23:05:11.630695
End Absolute Orbit	12830

Differences in ANX Longitude

Orbit Scenario File vs Restituted Orbit File: ANX Longitude Differences
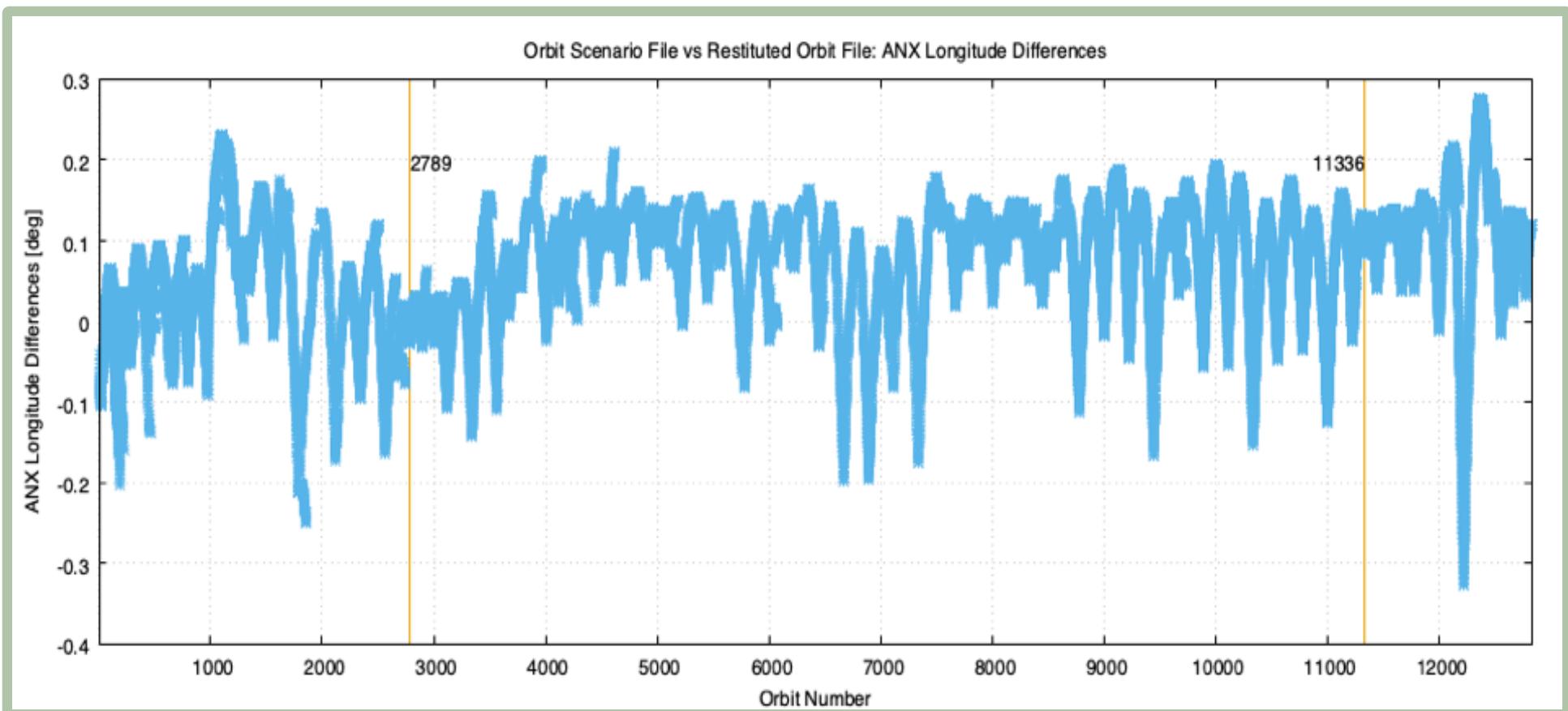
Differences in ANX UTC Time

Orbit Scenario File vs Restituted Orbit File: ANX UTC Differences
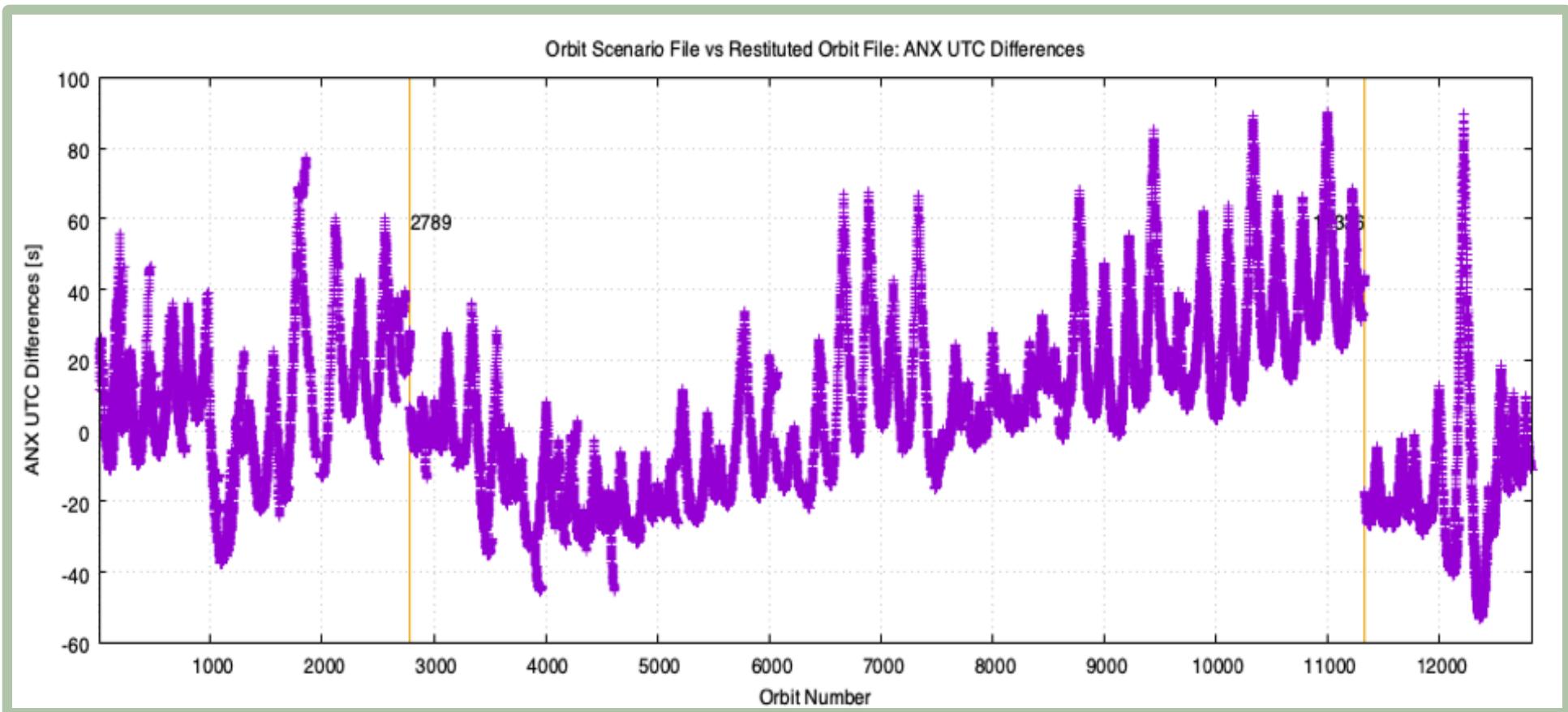
Differences in ANX Mean Local Solar Time

Orbit Scenario File vs Restituted Orbit File: ANX MLST Differences
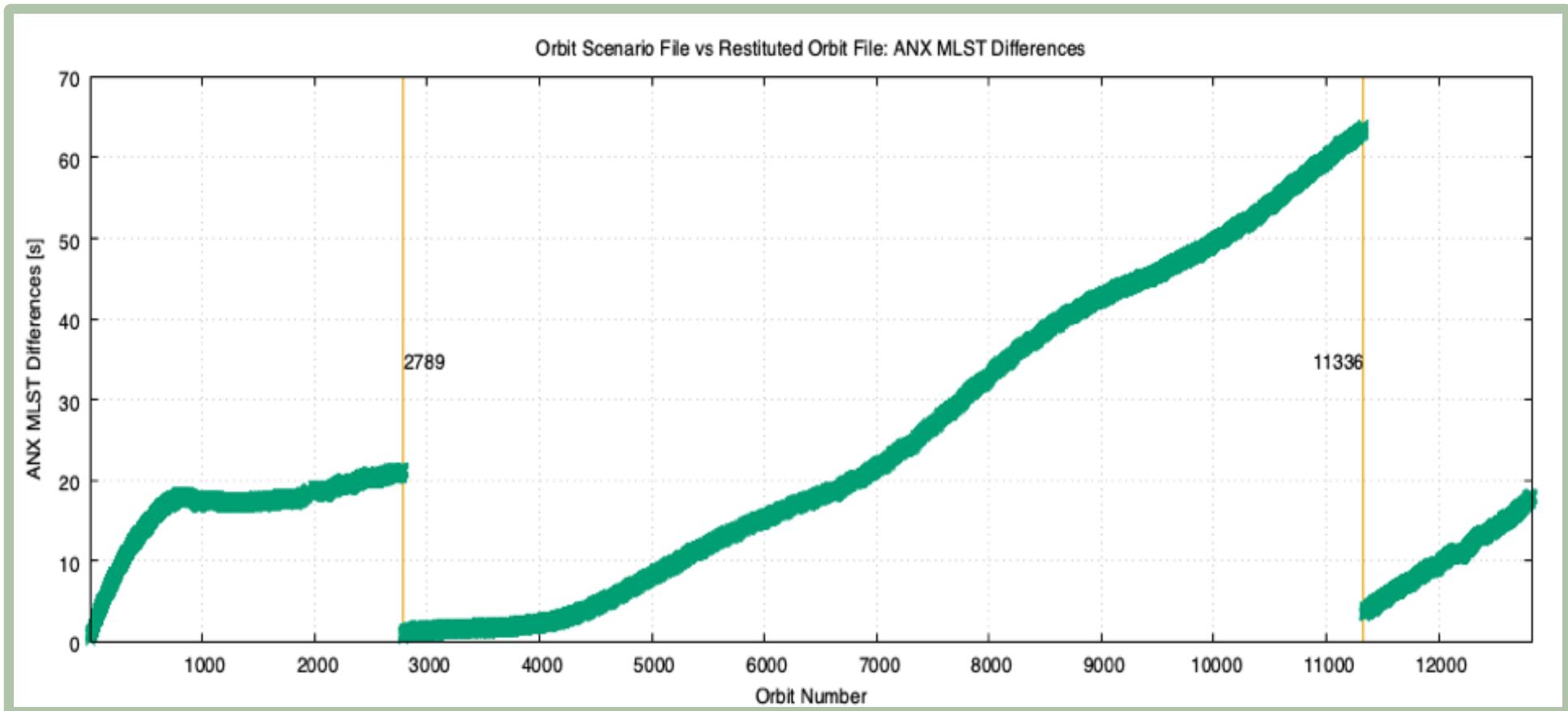
Differences in ANX Across-track

Orbit Scenario File vs Restituted Orbit File: ANX Across-Track Differences
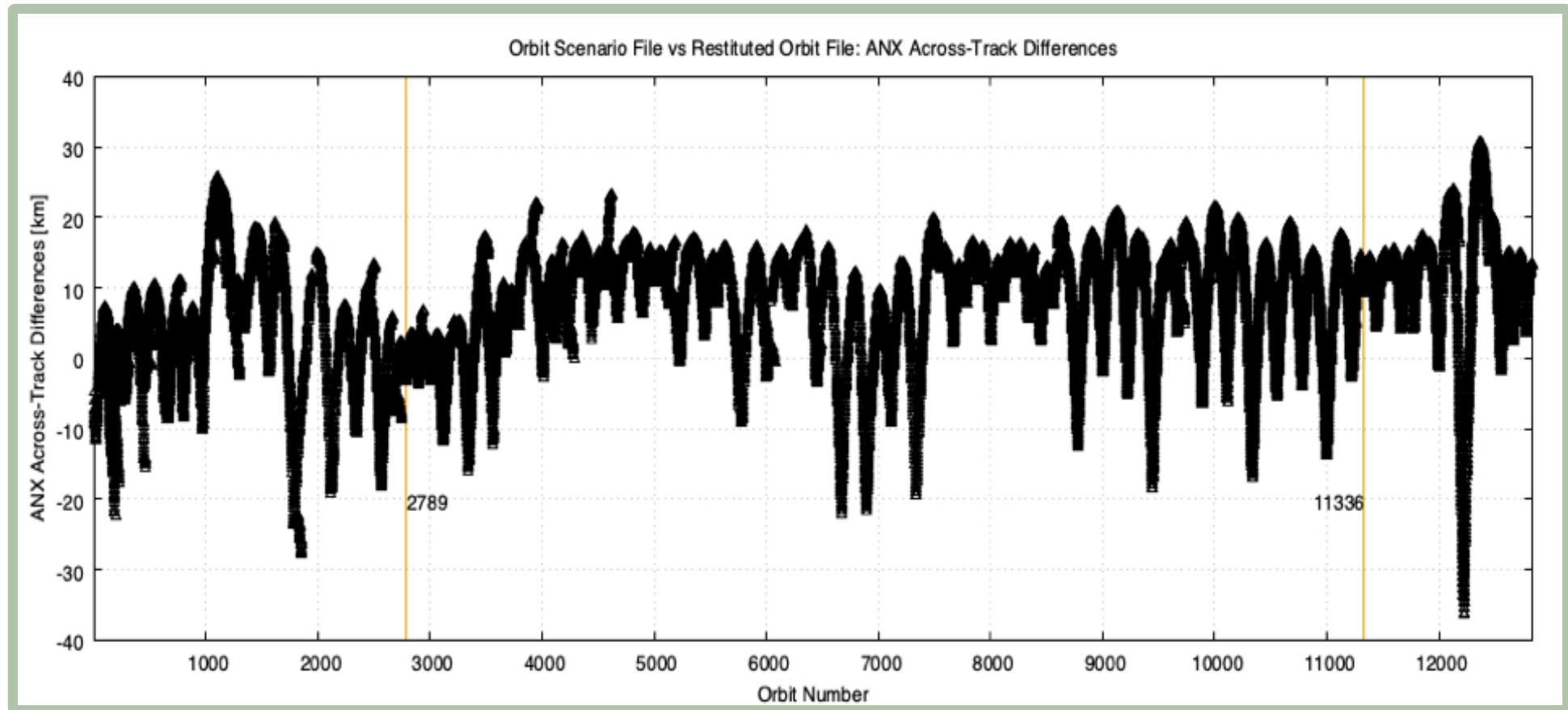
Differences in Mean Semi-major Axis

Restituted Orbit File: Mean Semi-major Axis Differences
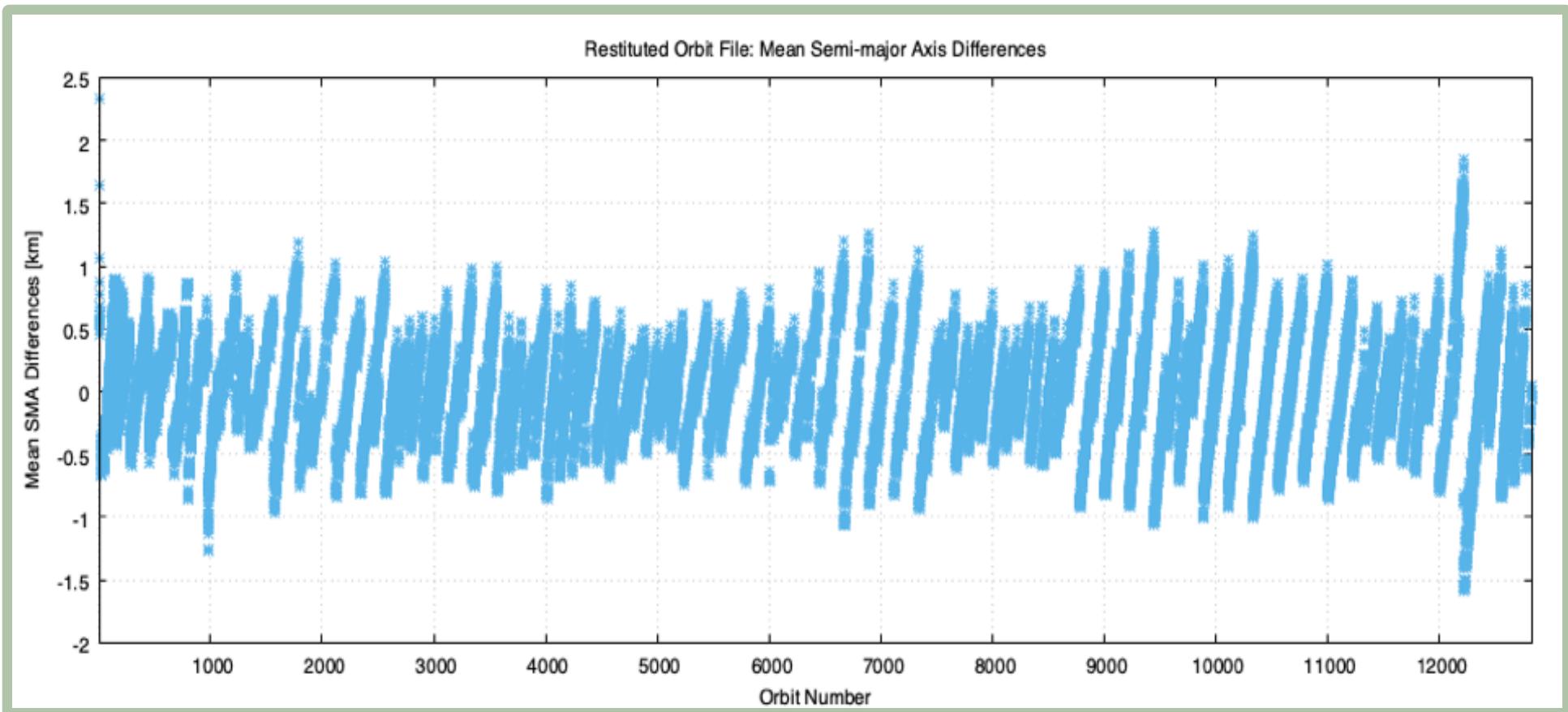
Differences in Eccentricity

Restituted Orbit File: Mean Eccentricity Differences
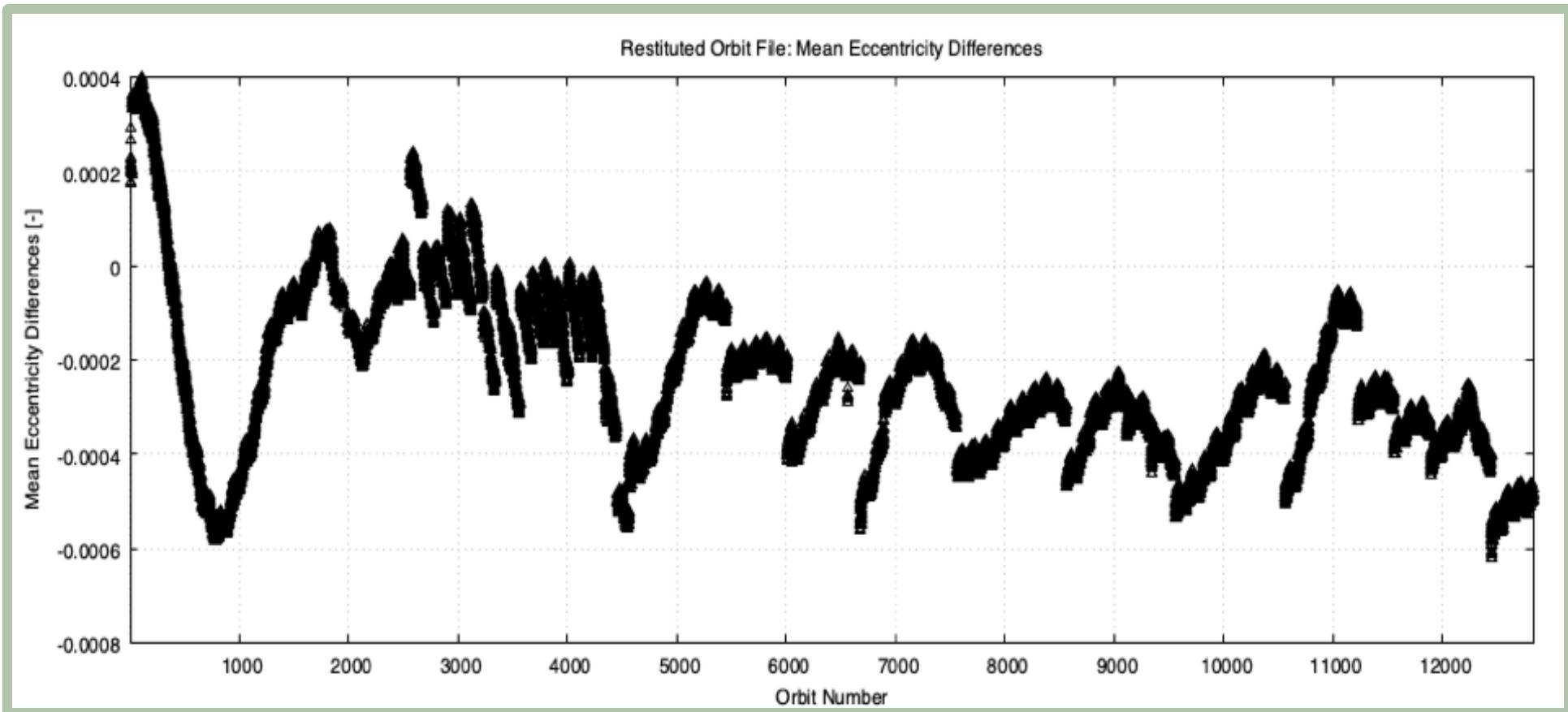
Differences in Mean Inclination
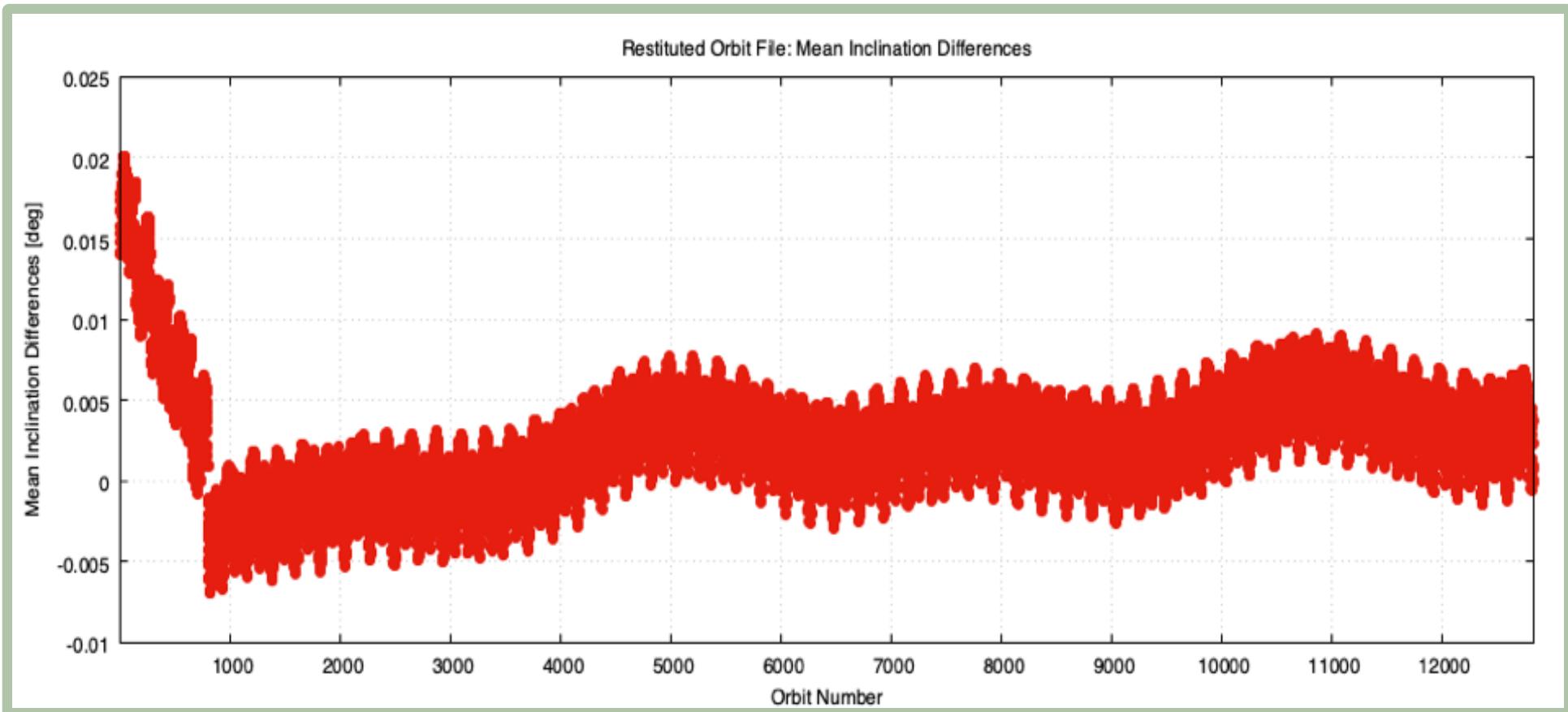
Restituted Orbit File: Mean Inclination Differences

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

Orbit Scenario File vs Restituted Orbit File: Mean Semi-major Axis offset vs nominal

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

Aeolus Restituted Orbit File: ANX MLST offset vs nominal ANX MLST
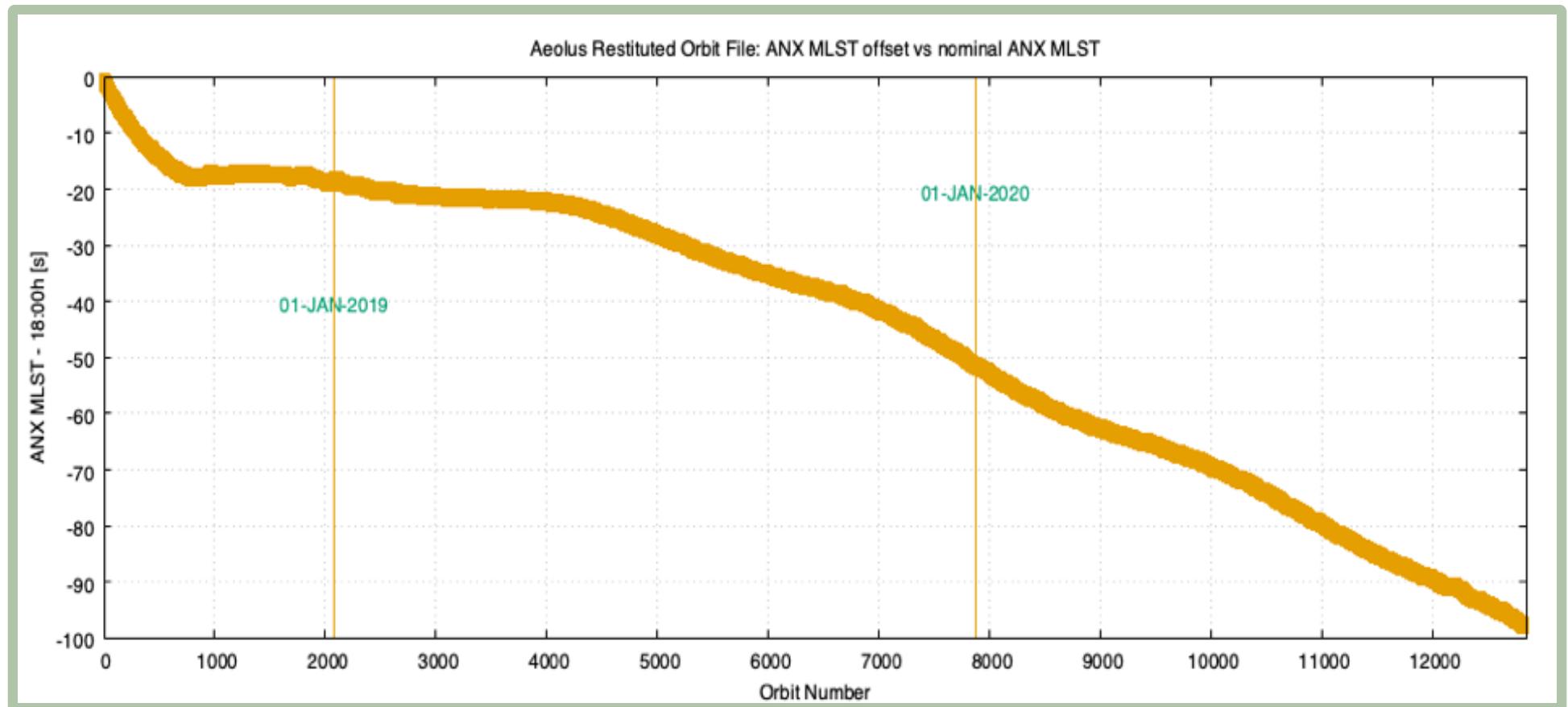
Evolution of Mean Inclination (Restituted Orbit Files)

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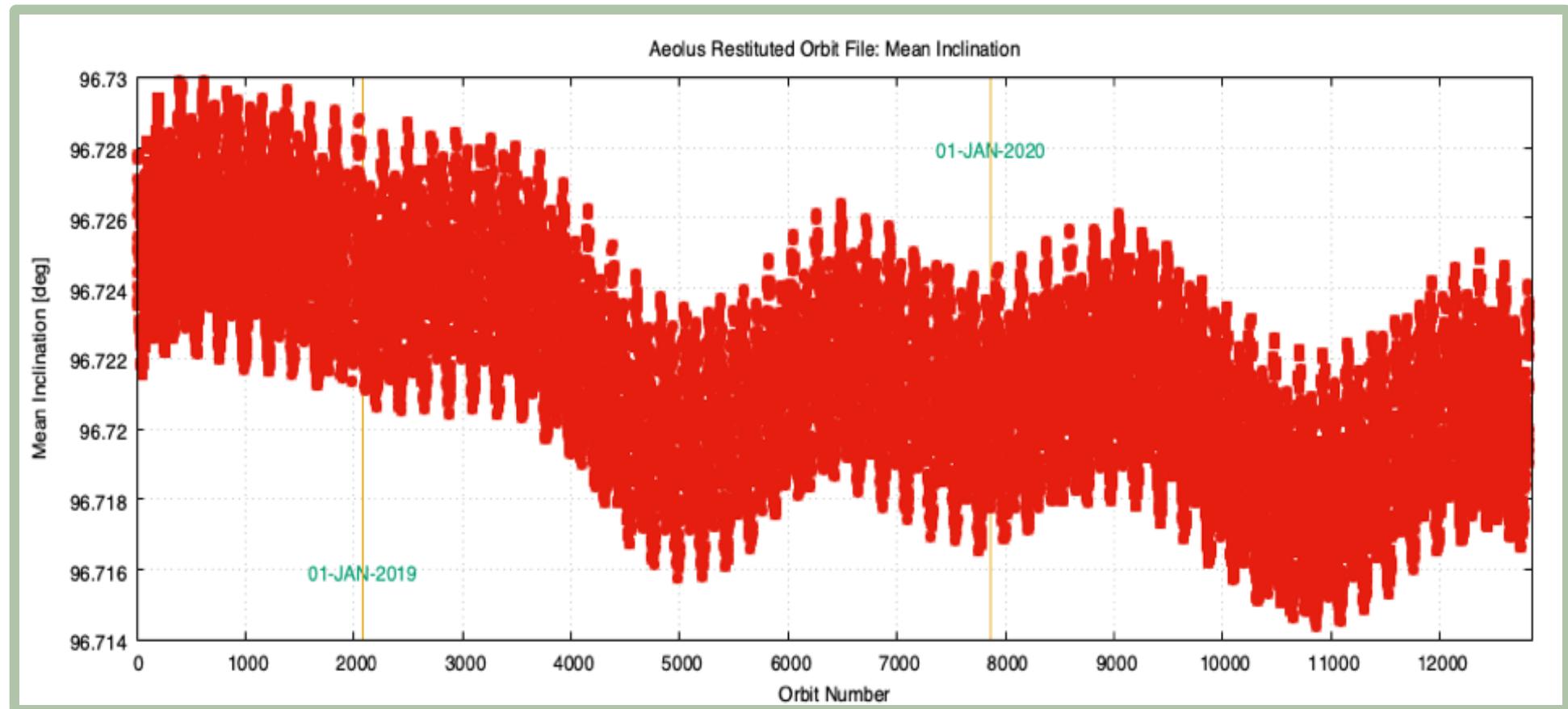
Evolution of ANX Mean Local Solar Time (Restituted Orbit Files): ANX MLST

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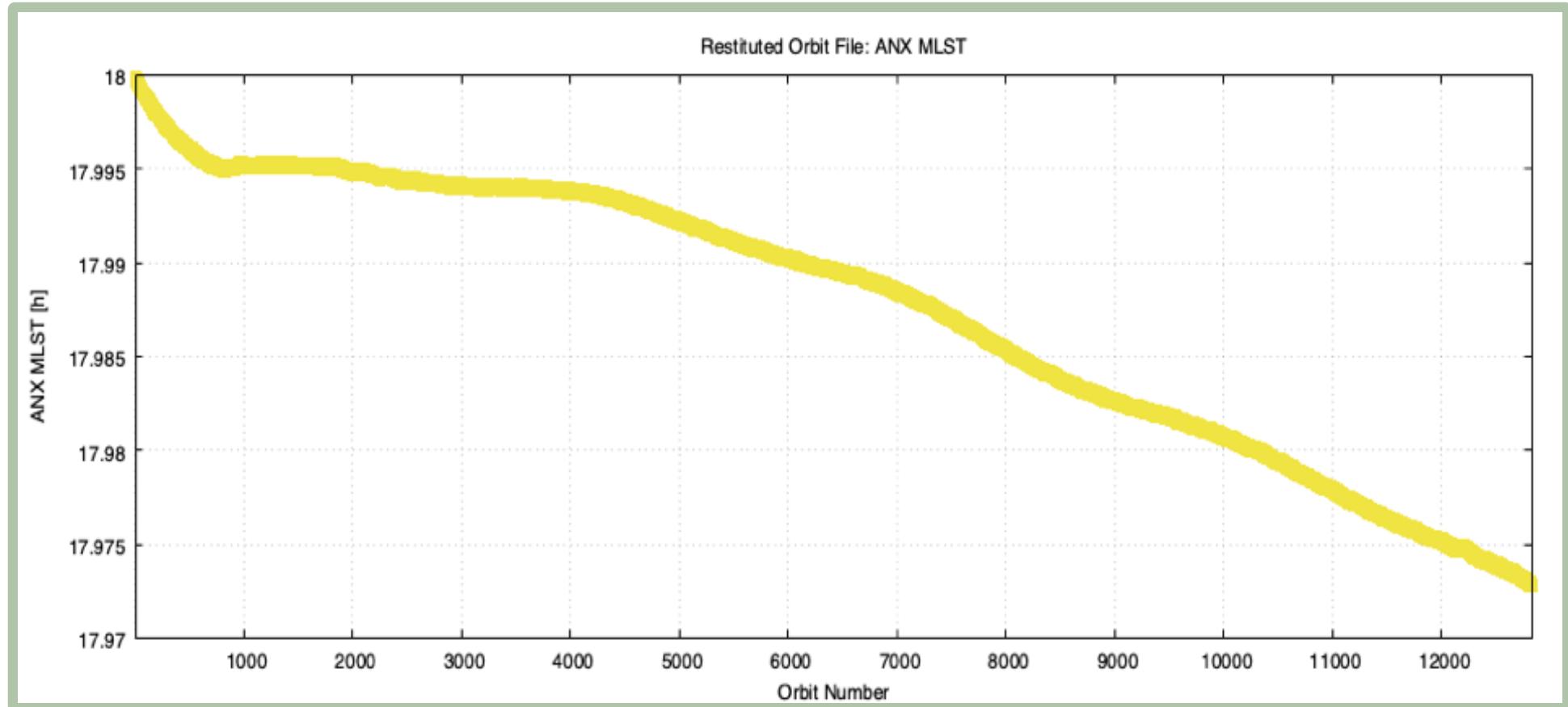
Long-Term Evolution of ANX Mean Local Solar Time (Orbit Scenario File): Offset vs Nominal ANX MLST

Orbit Scenario File: ANX MLST offset vs nominal

Long-Term Evolution of ANX Mean Local Solar Time (Orbit Scenario File): ANX MLST
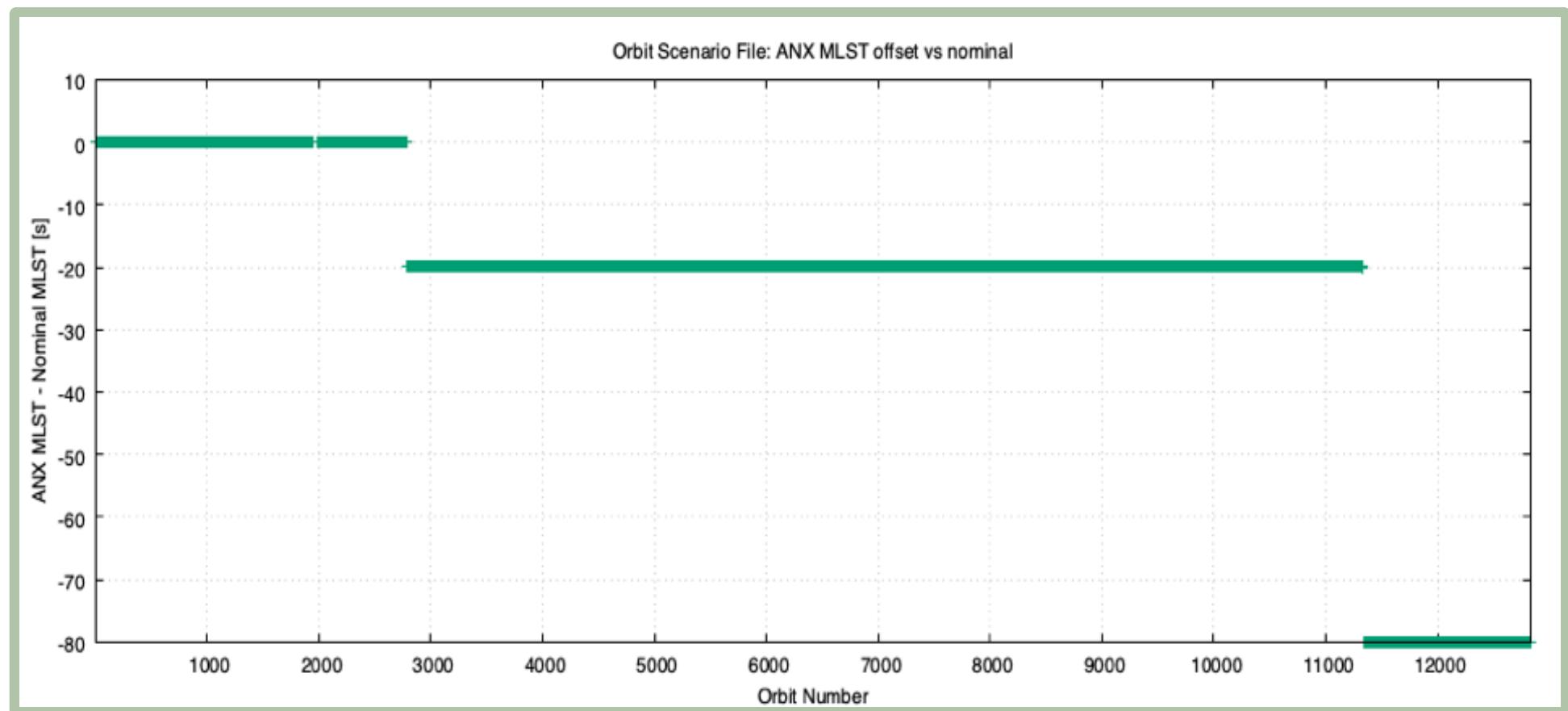
Orbit Scenario File: ANX MLST
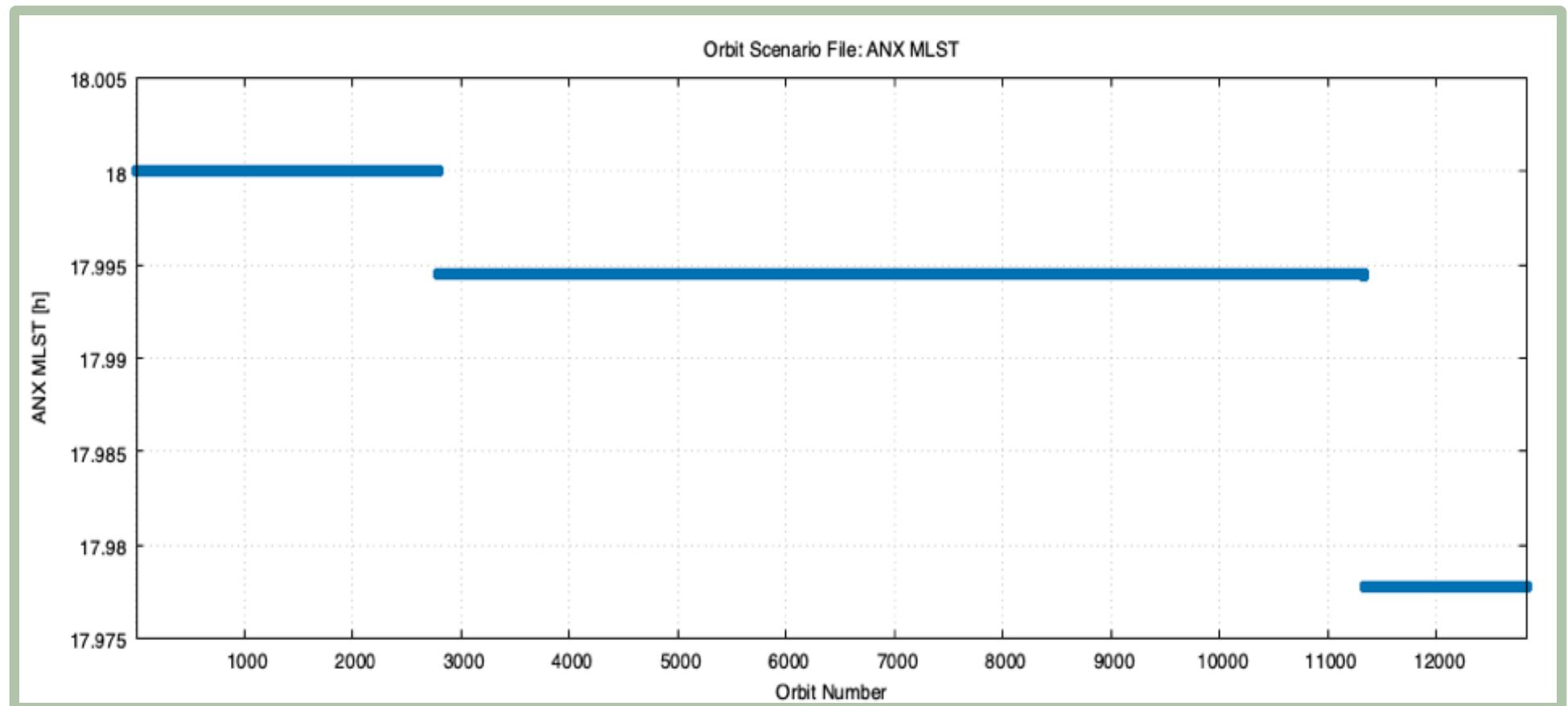
Long-Term Evolution of Mean Semi-major Axis (Orbit Scenario File): Nominal SMA vs Mean SMA

Orbit Scenario File: Mean Semi-major Axis offset vs nominal