

# AEOLUS Orbit Monitoring Report

## Orbit Scenario File vs Restituted Orbit File

Report Generation Date: 2020-09-17T18:00:00

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

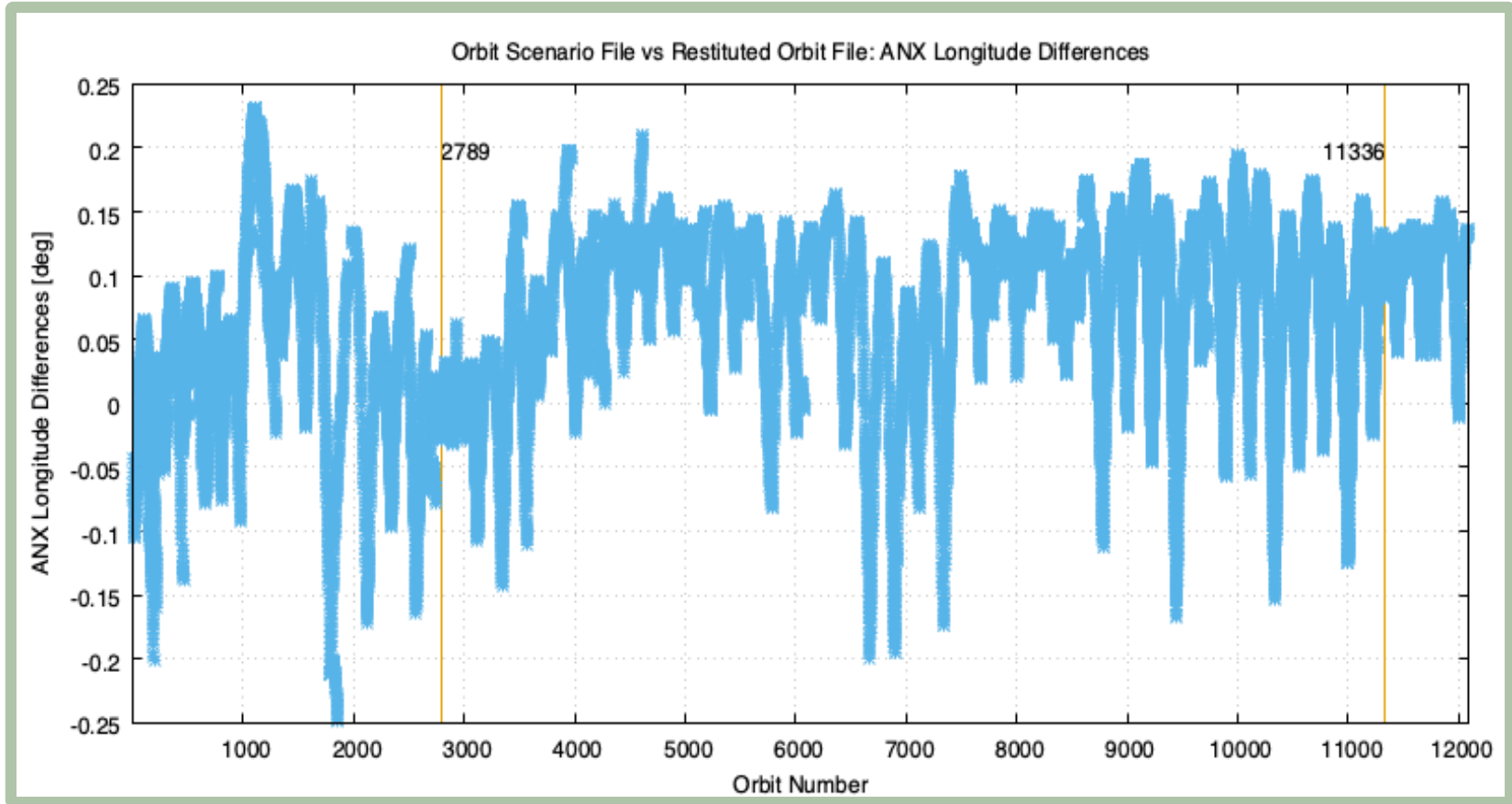
### Orbit Scenario File

<b>Filename</b>	AE_OPER_MPL_ORBSCT_20180822T225352_99999999T999999_0012.EEF
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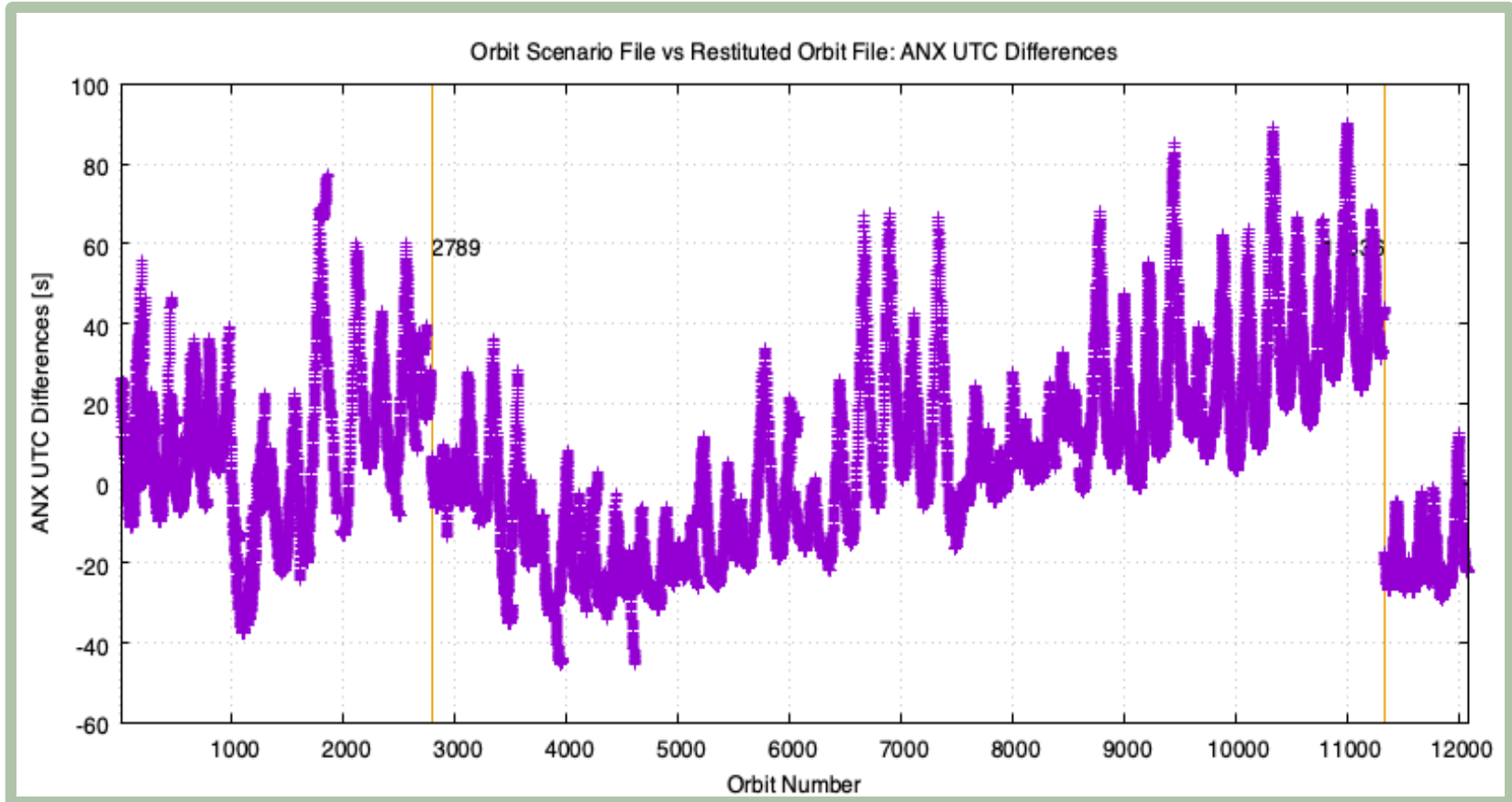
### Reported Time Interval

<b>Begin UTC Time</b>	2018-08-22T22:15:00.000000
<b>Begin Absolute Orbit</b>	2
<b>End UTC Time</b>	2020-09-23T00:00:00.000000
<b>End Absolute Orbit</b>	12085

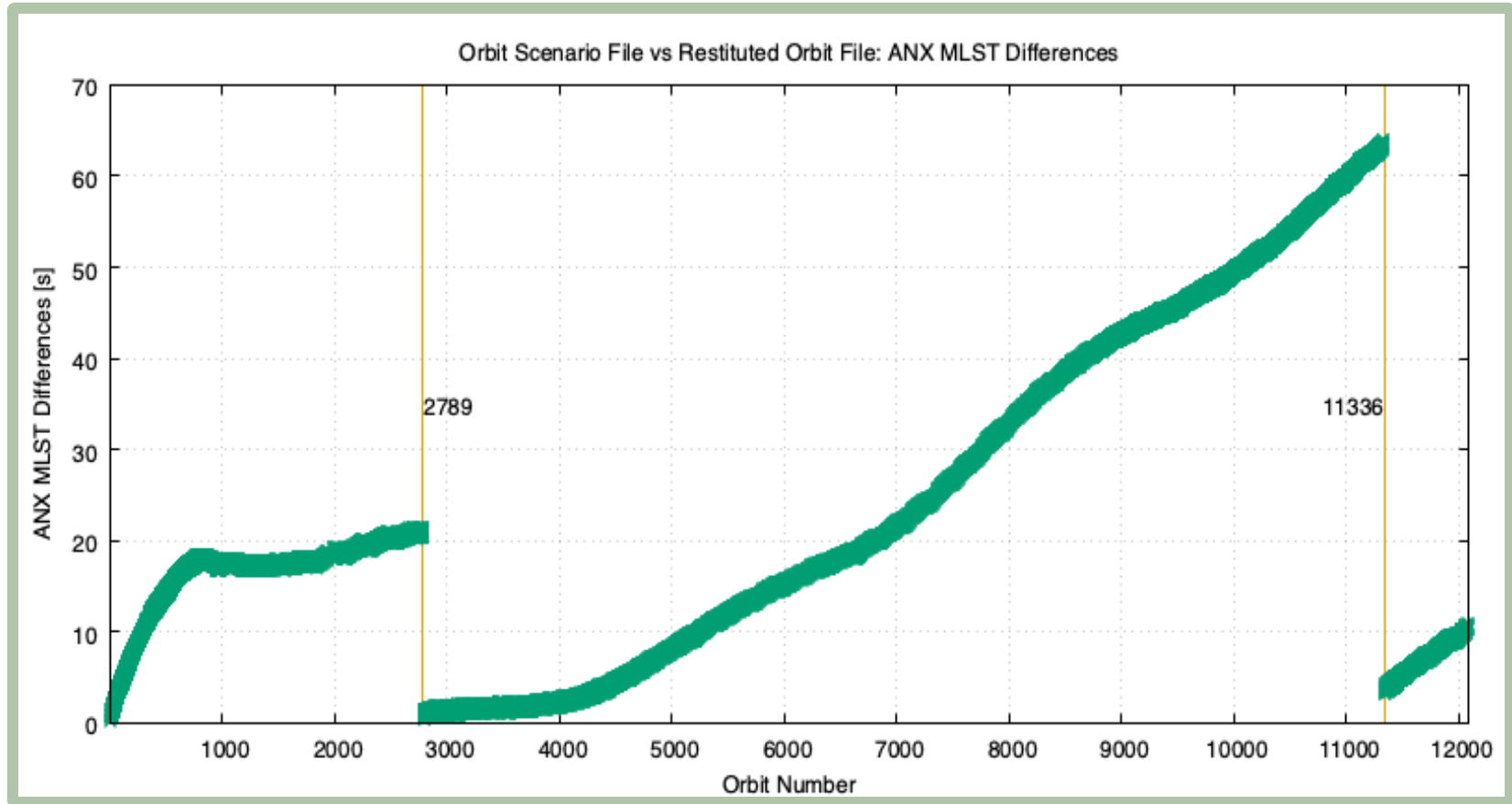
# Differences in ANX Longitude



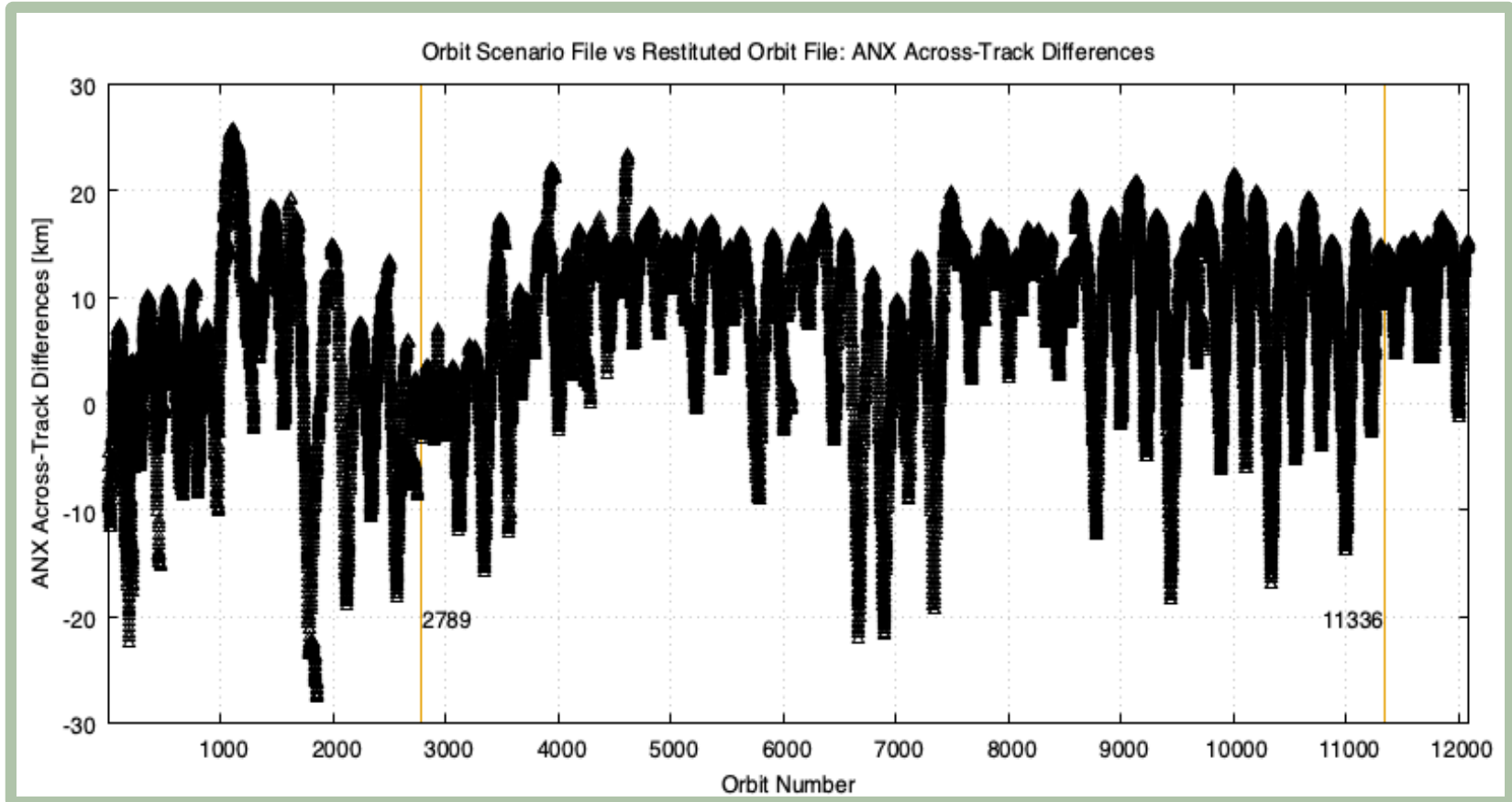
# Differences in ANX UTC Time



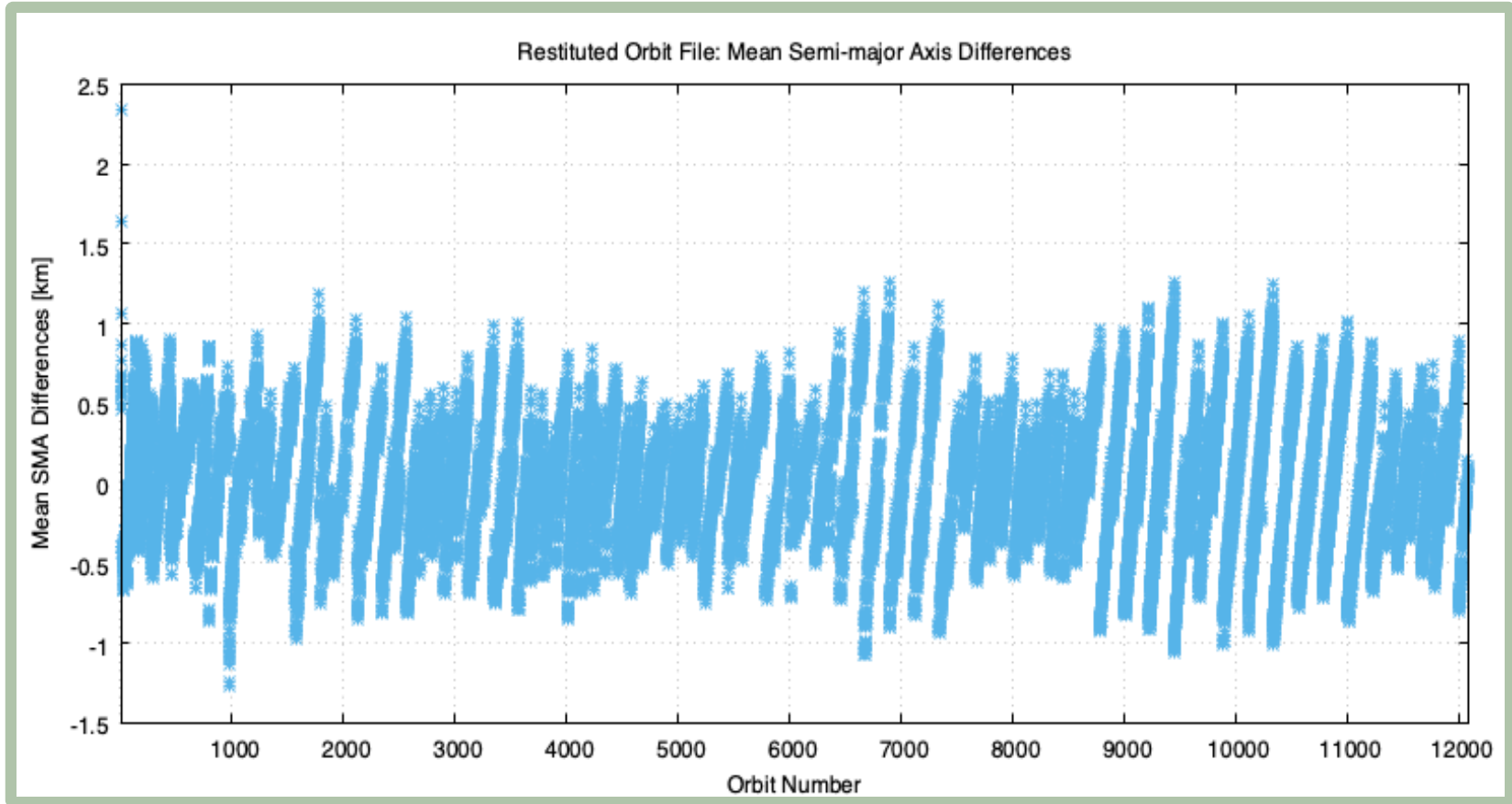
# Differences in ANX Mean Local Solar Time



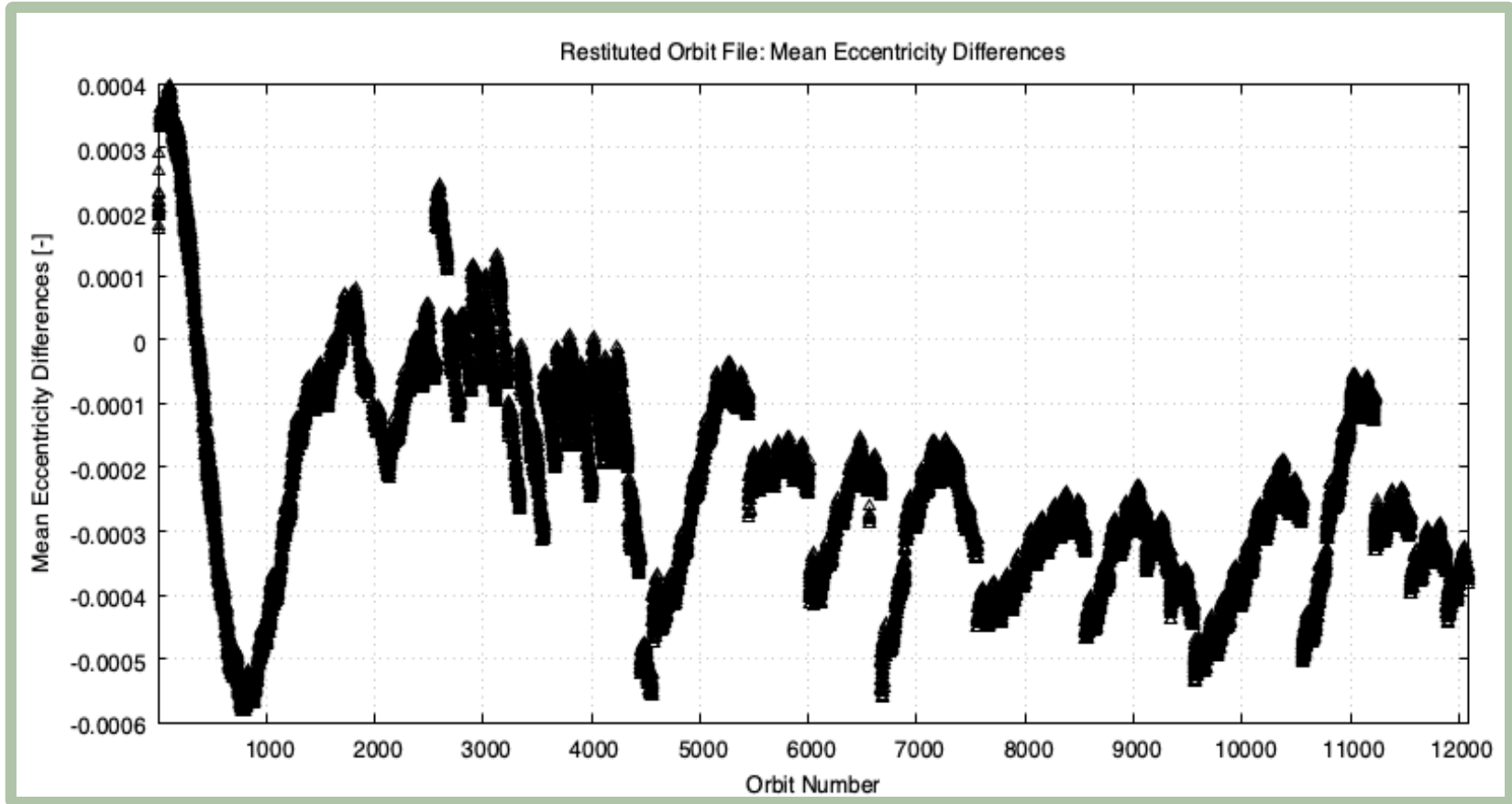
# Differences in ANX Across-track



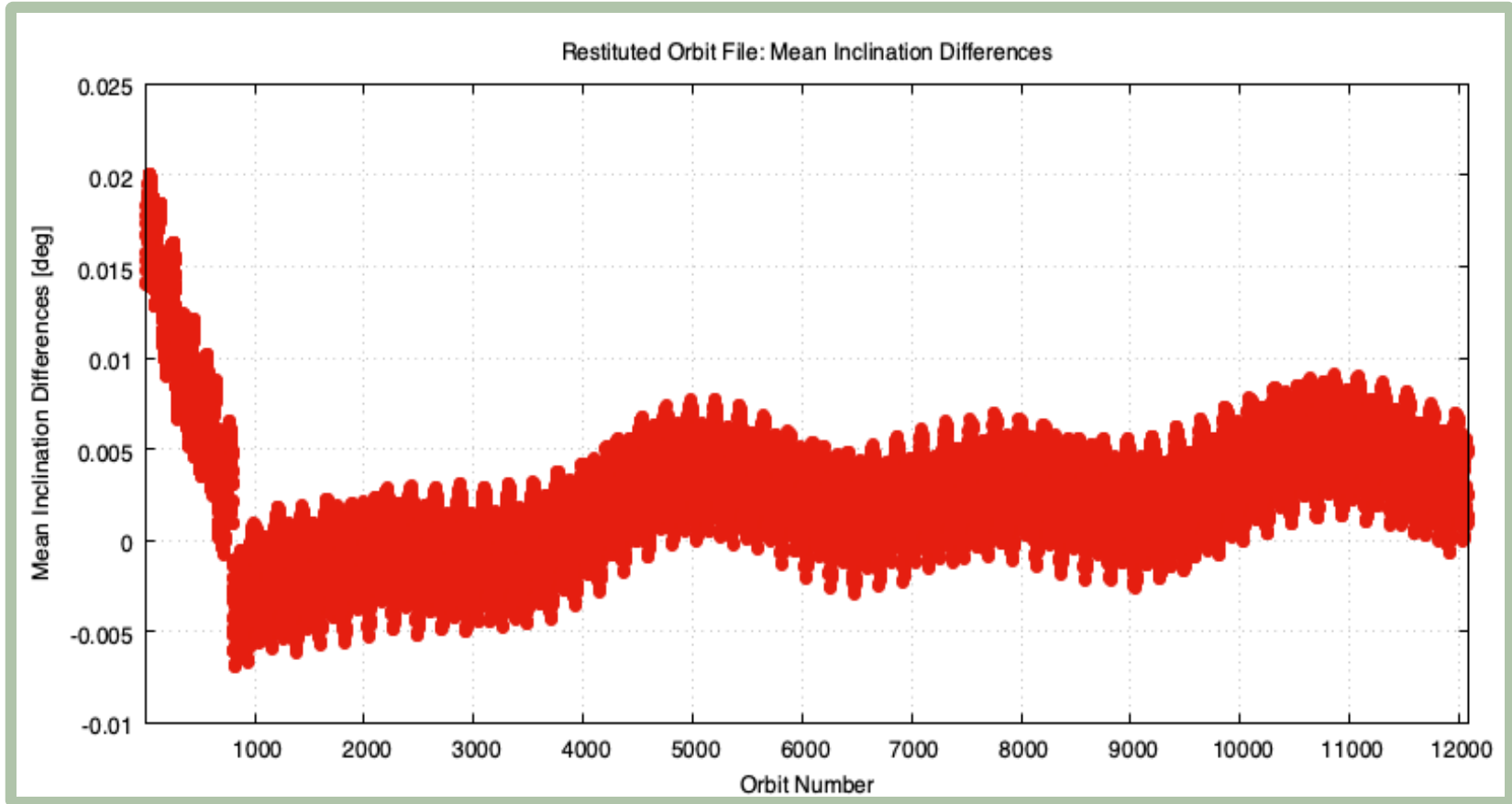
# Differences in Mean Semi-major Axis



# Differences in Eccentricity

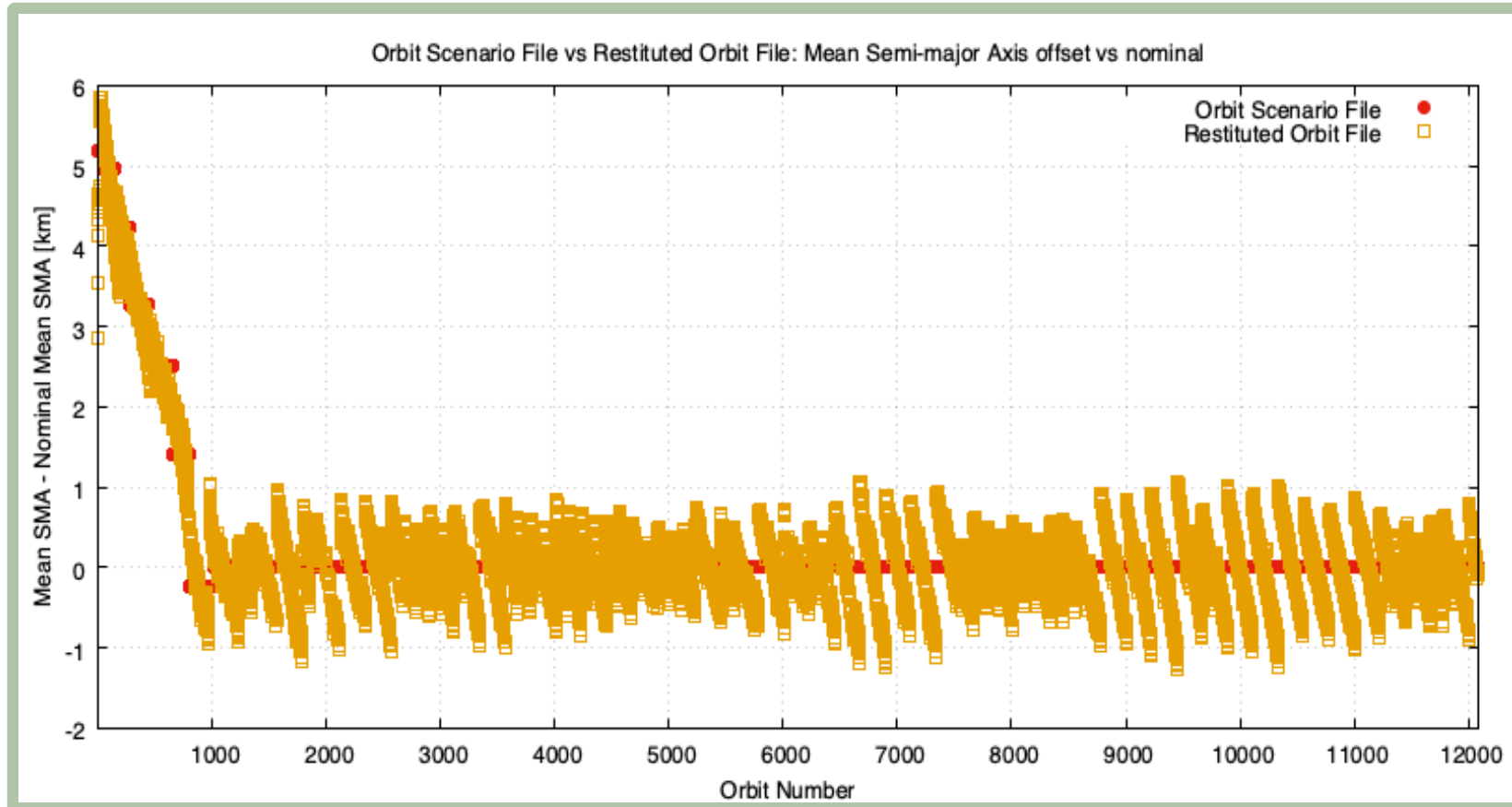


# Differences in Mean Inclination

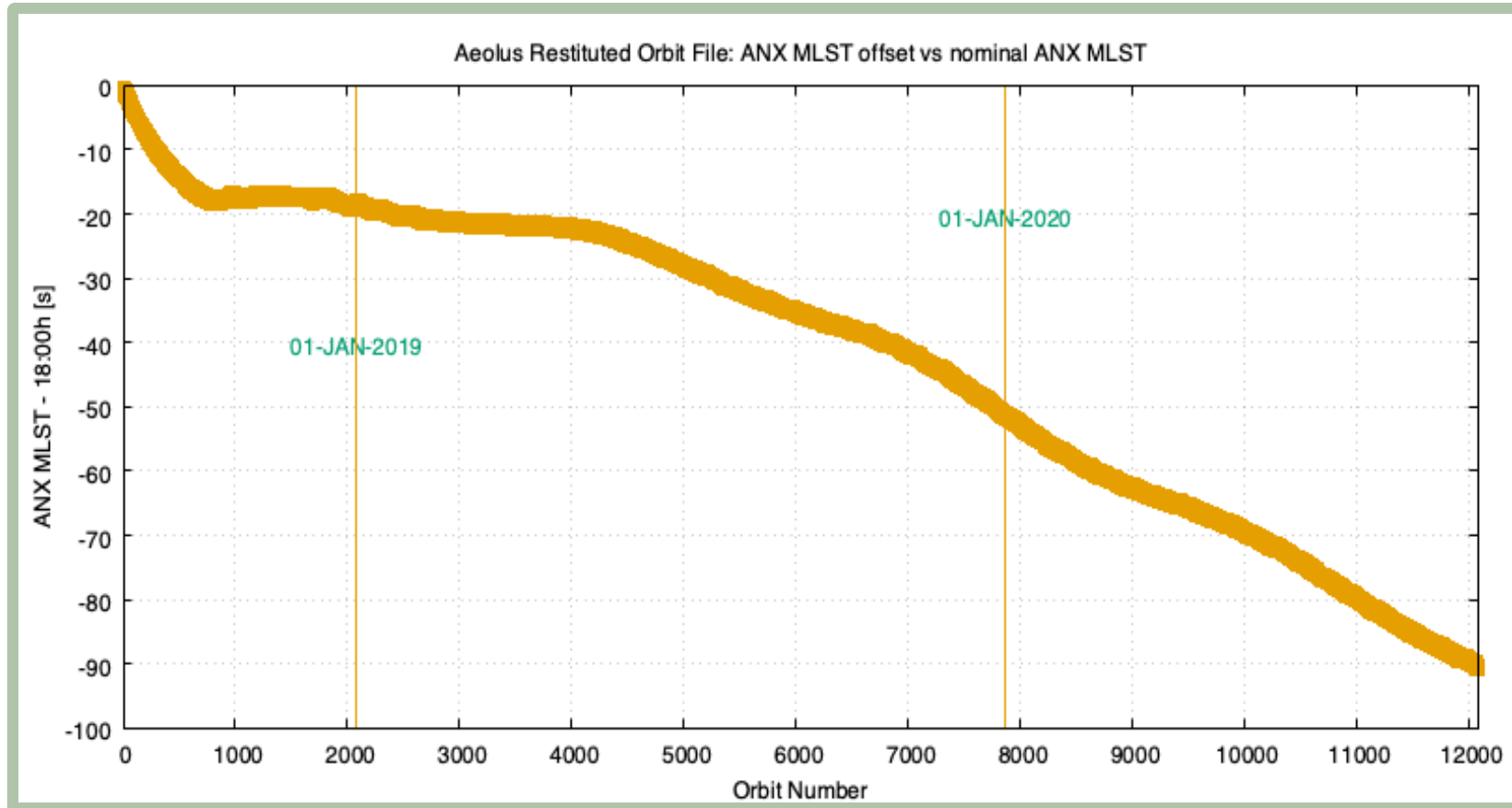




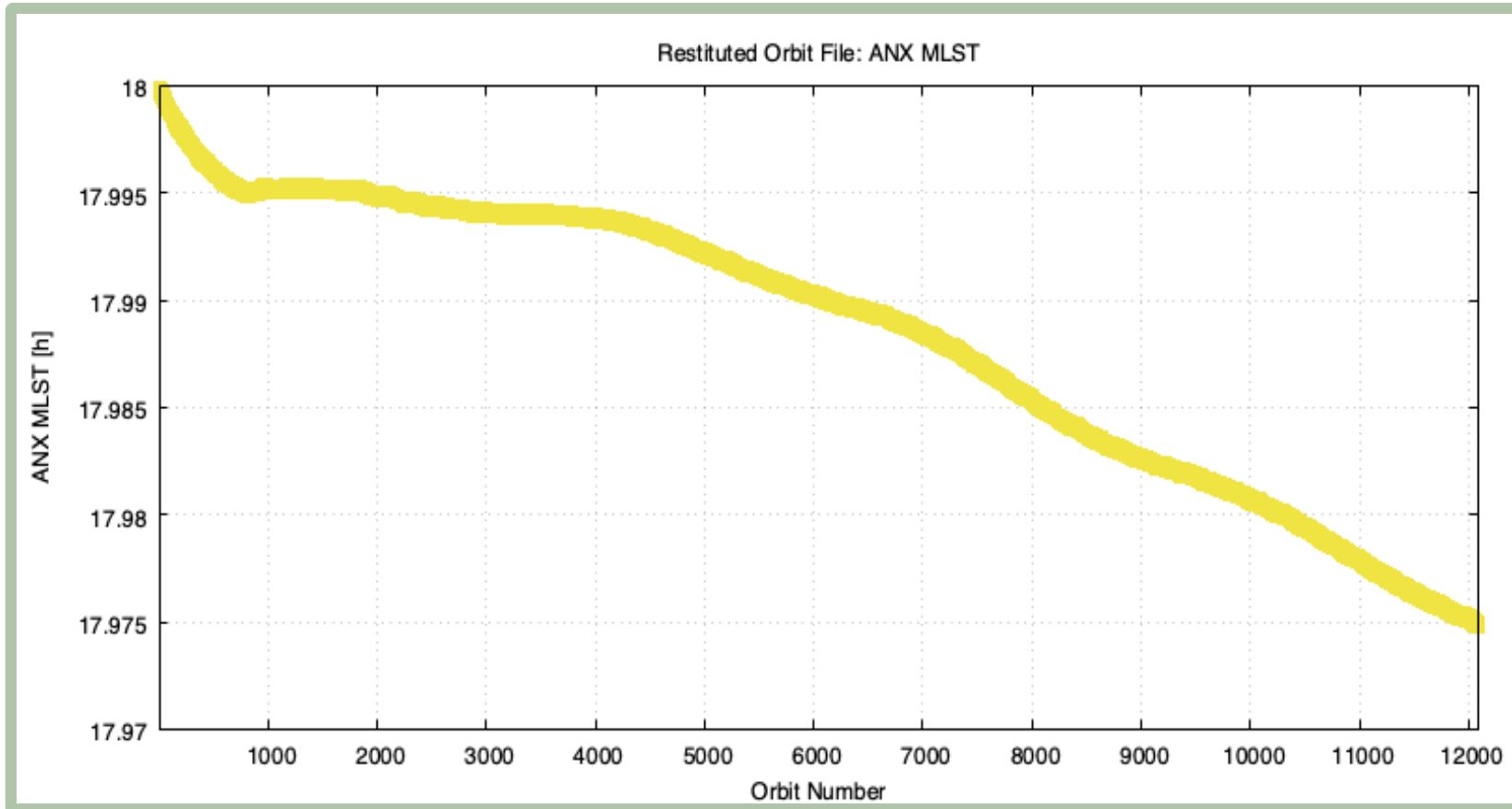
# Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



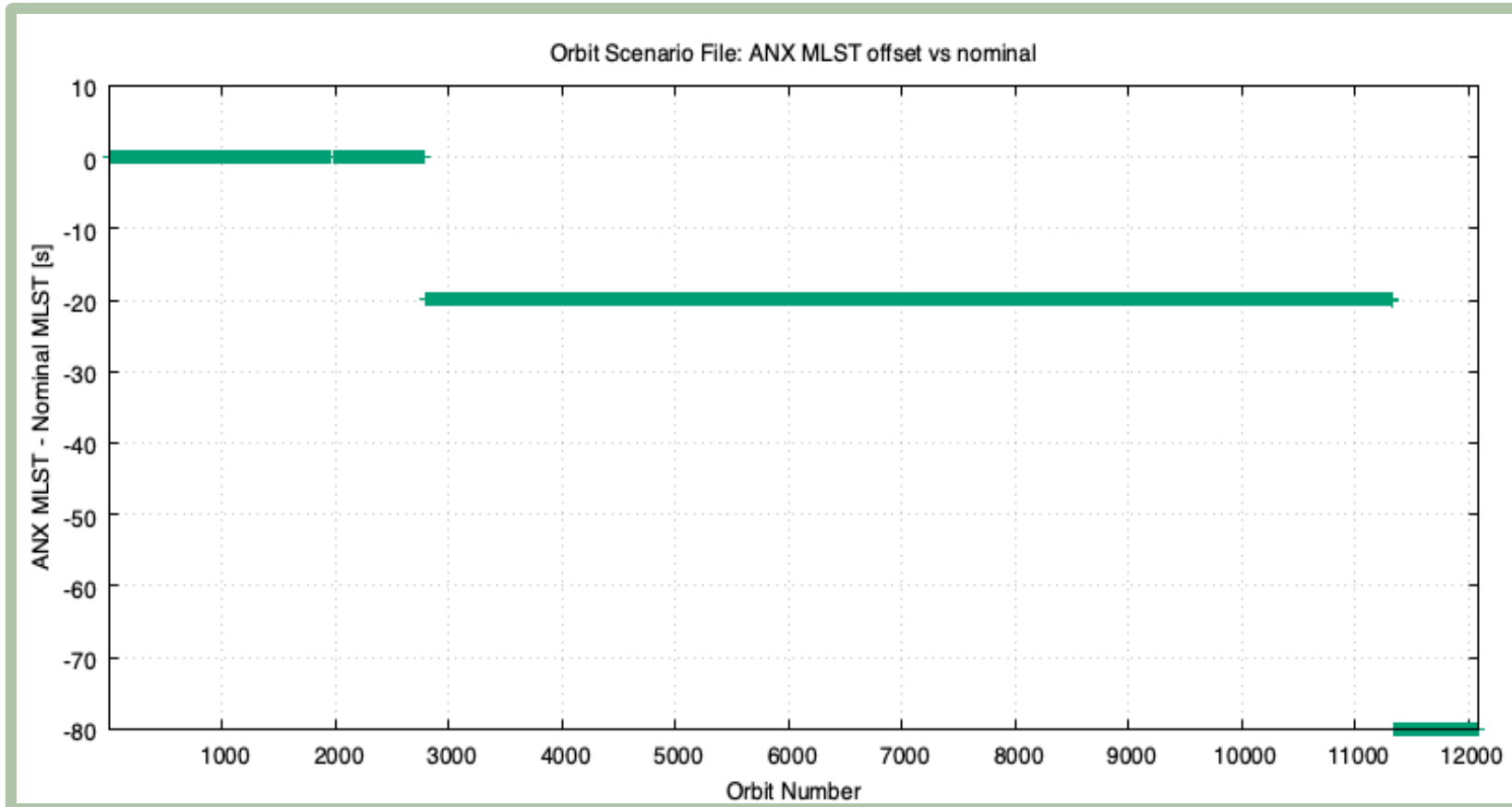
# Evolution of ANX Mean Local Solar Time (Restituted Orbit File): Offset vs Nominal ANX MLST



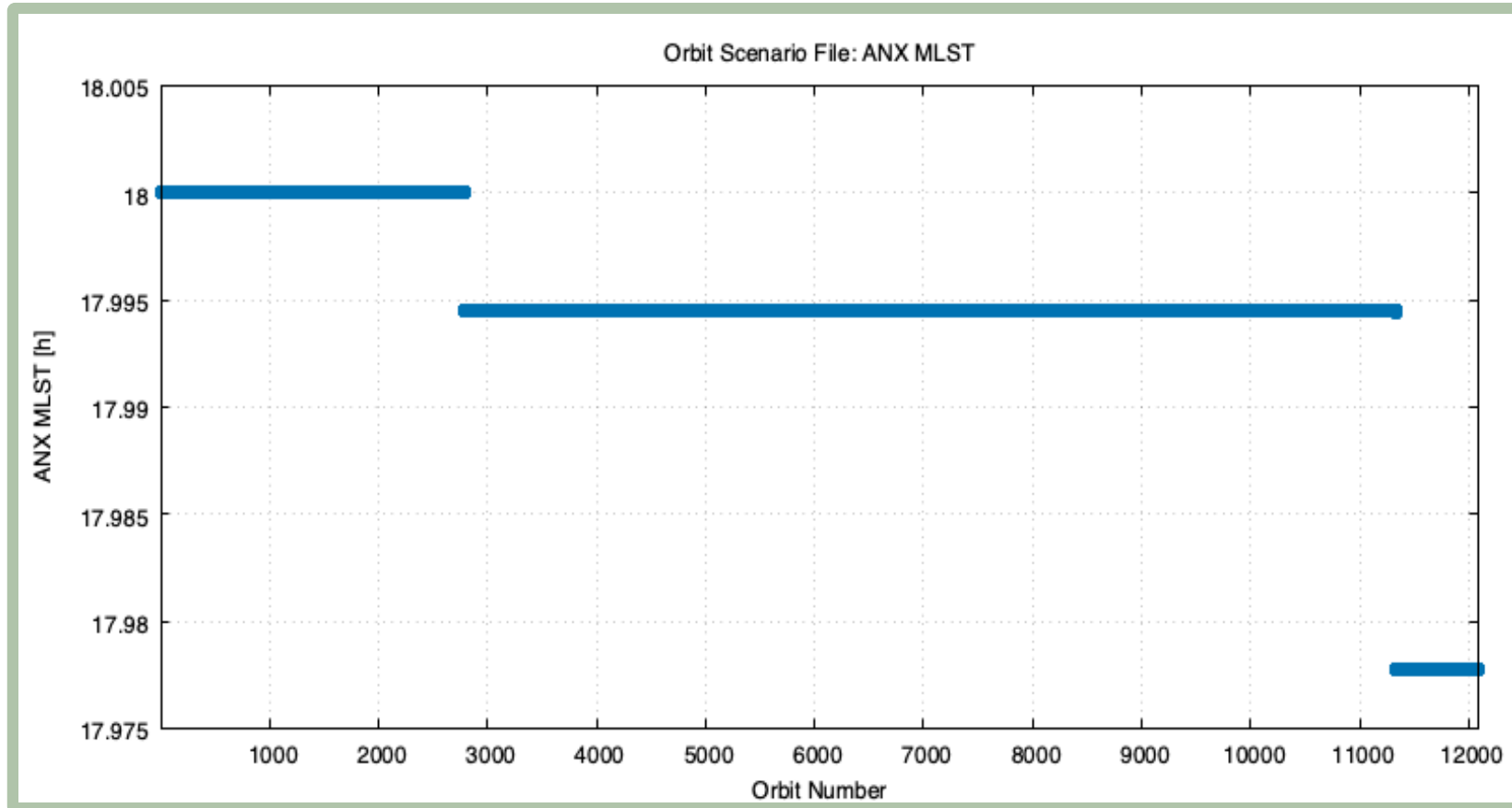
# Evolution of ANX Mean Local Solar Time (Restituted Orbit File): ANX MLST



# 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

