

# SENTINEL1B Orbit Monitoring Report

## Orbit Scenario File vs Predicted Orbit Files

Report Generation Date: 2023-01-24T14:00:00

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

### Orbit Scenario File

<b>Filename</b>	S1B_OPER_MPL_ORBSCT_20160425T224606_99999999T999999_0025.EOF
-----------------	--

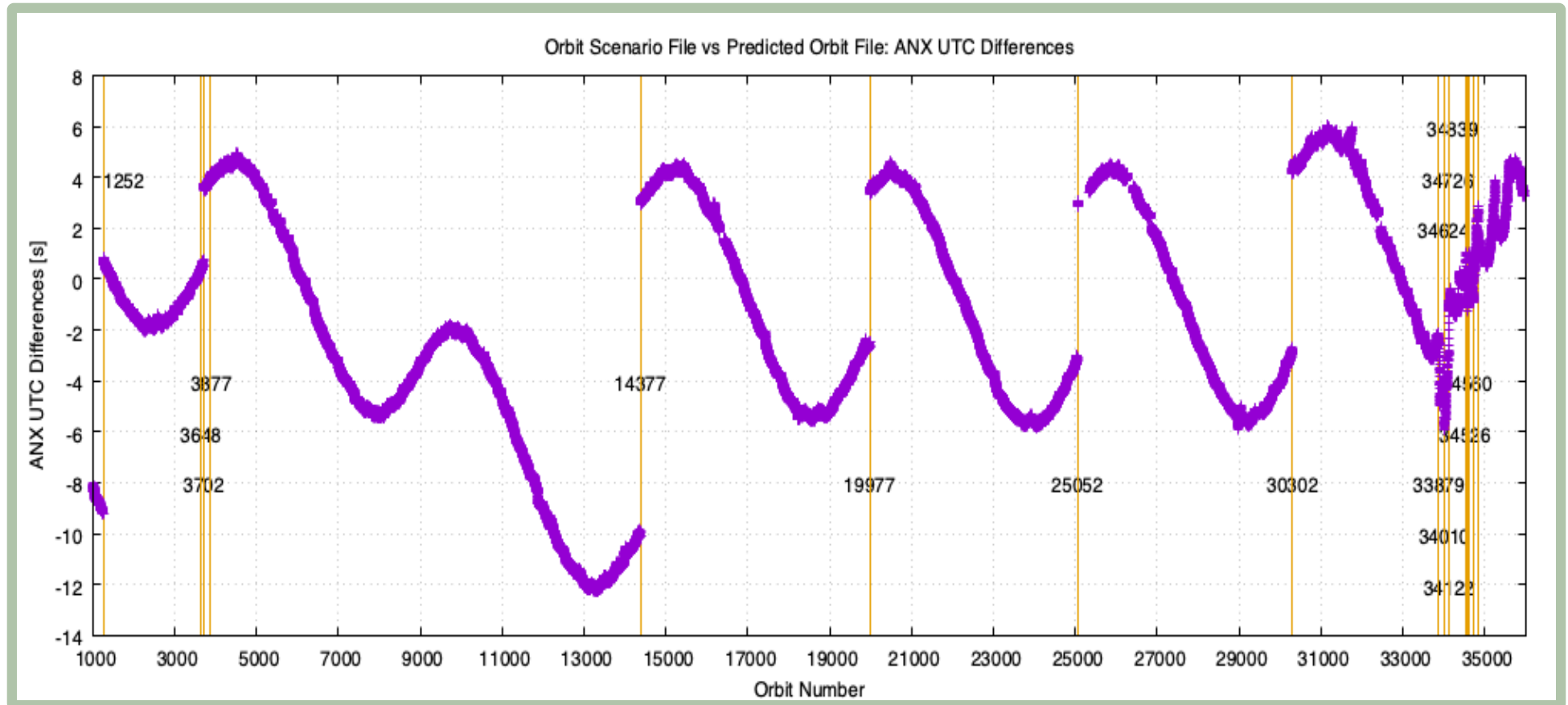
### Reported Time Interval

<b>Begin UTC Time</b>	2016-07-03T11:16:14.312587
<b>Begin Absolute Orbit</b>	1000
<b>End UTC Time</b>	2023-01-25T10:44:02.925820
<b>End Absolute Orbit</b>	35956

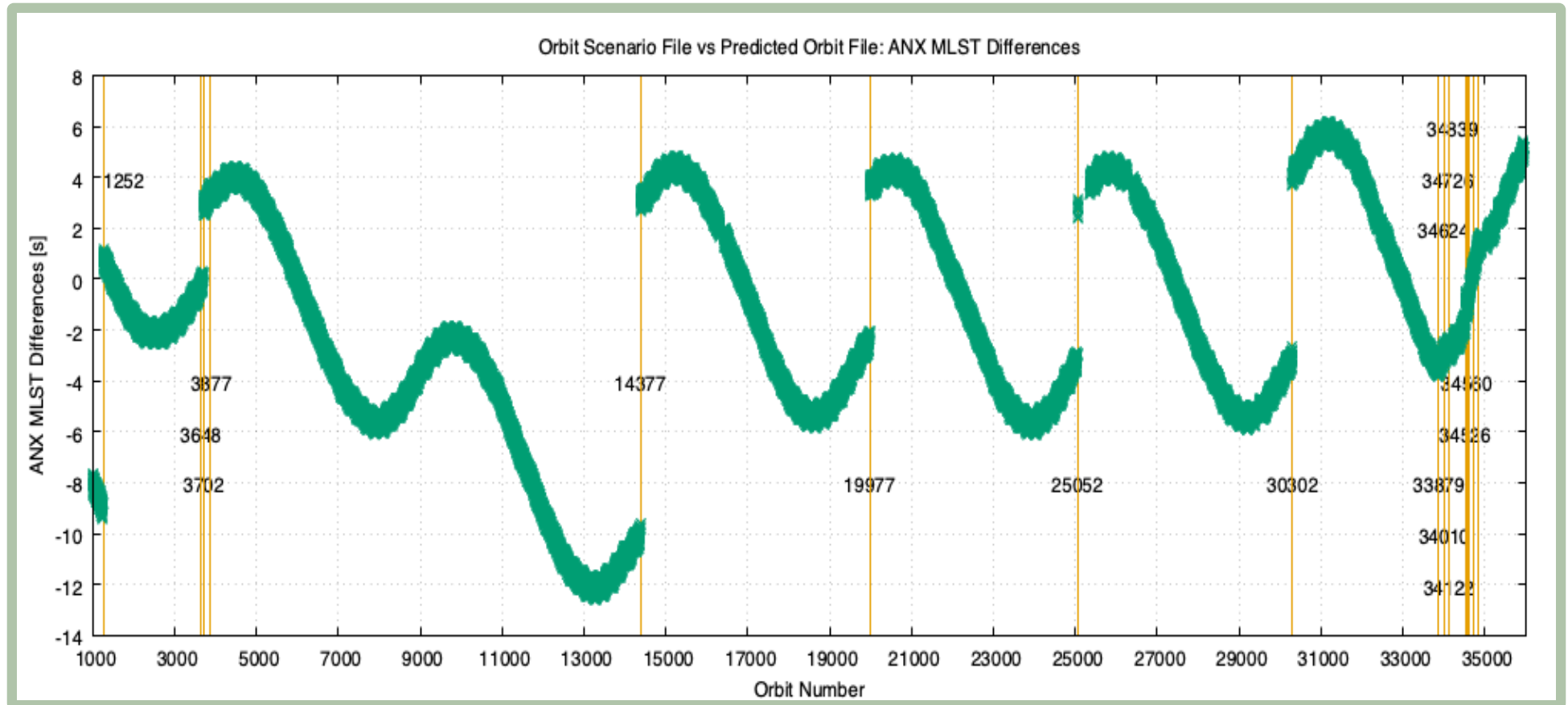
# Differences in ANX Longitude



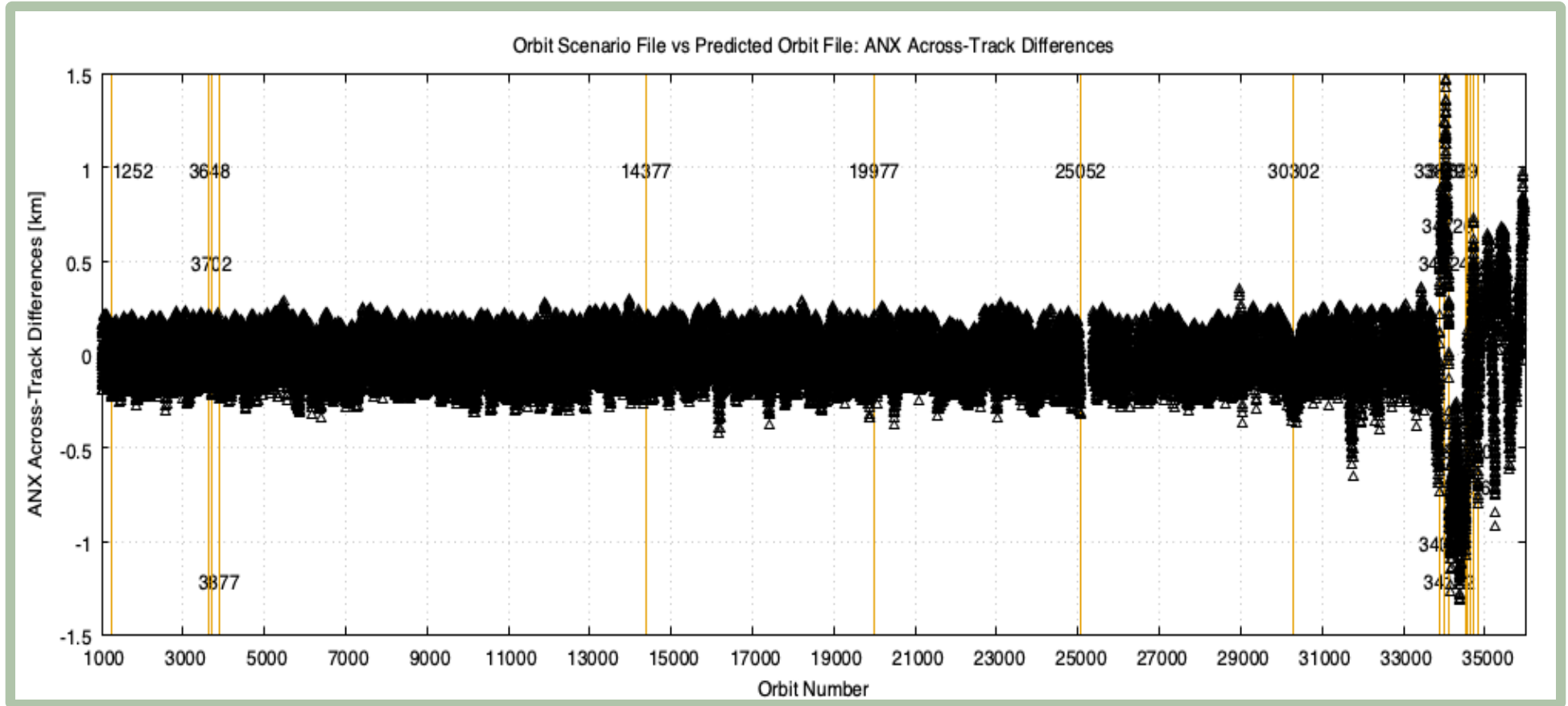
# Differences in ANX UTC Time



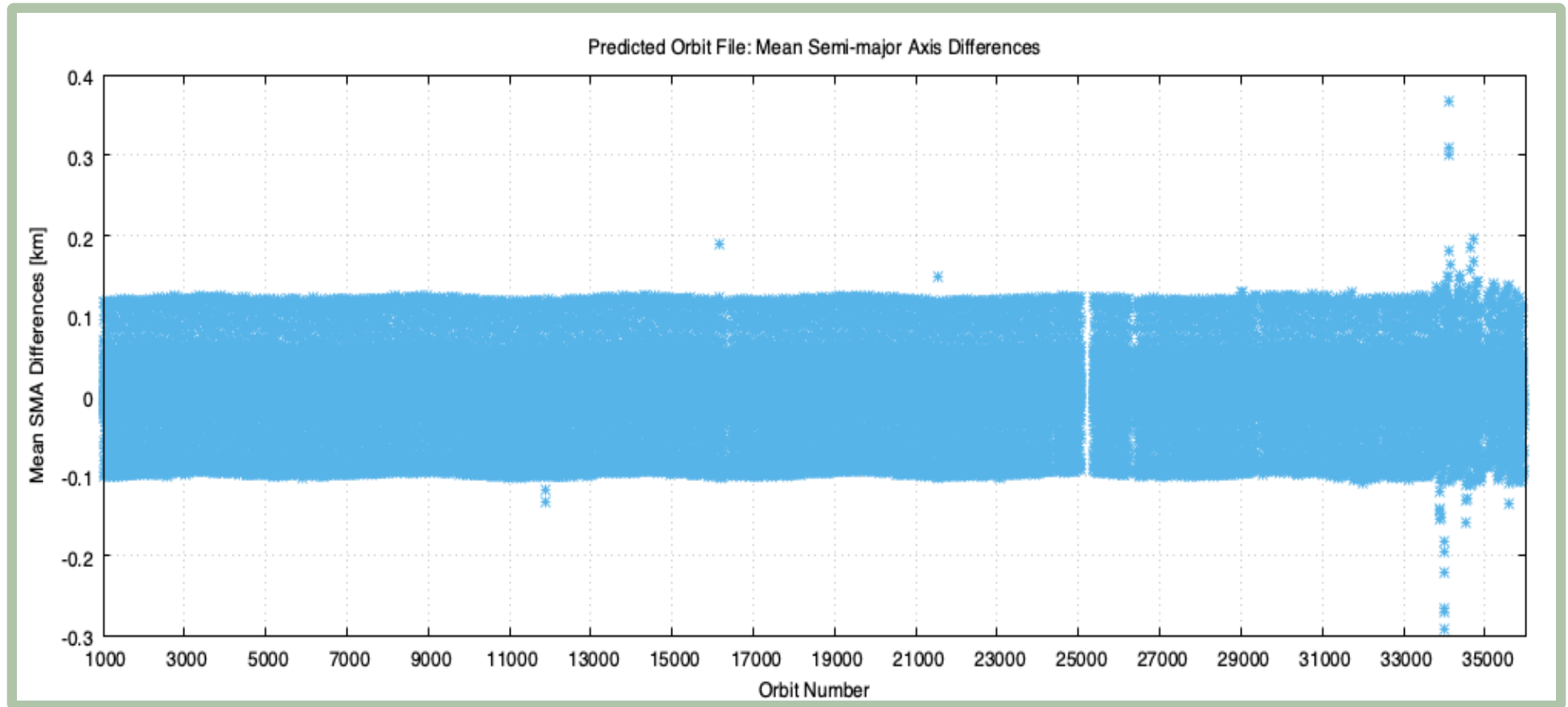
# Differences in ANX Mean Local Solar Time



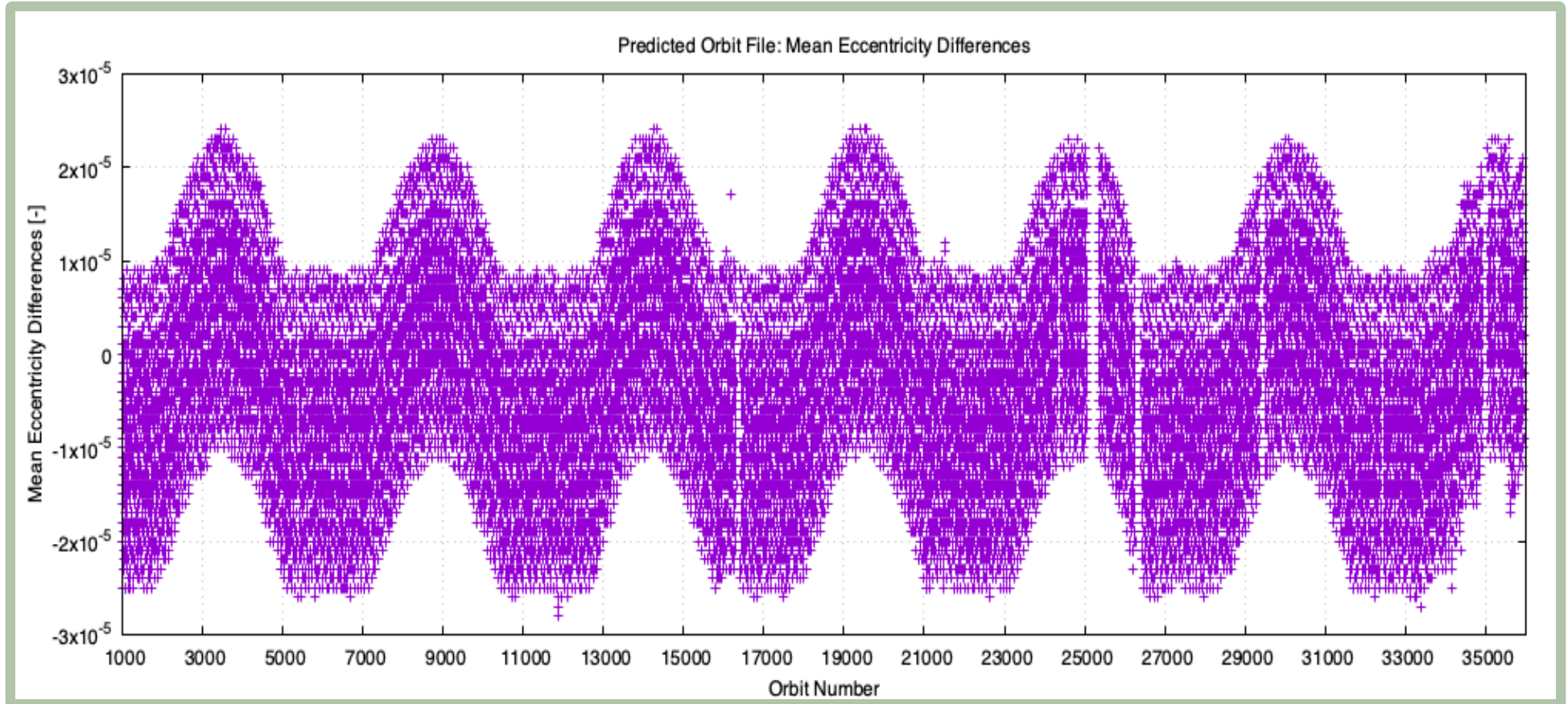
# Differences in ANX Across-track



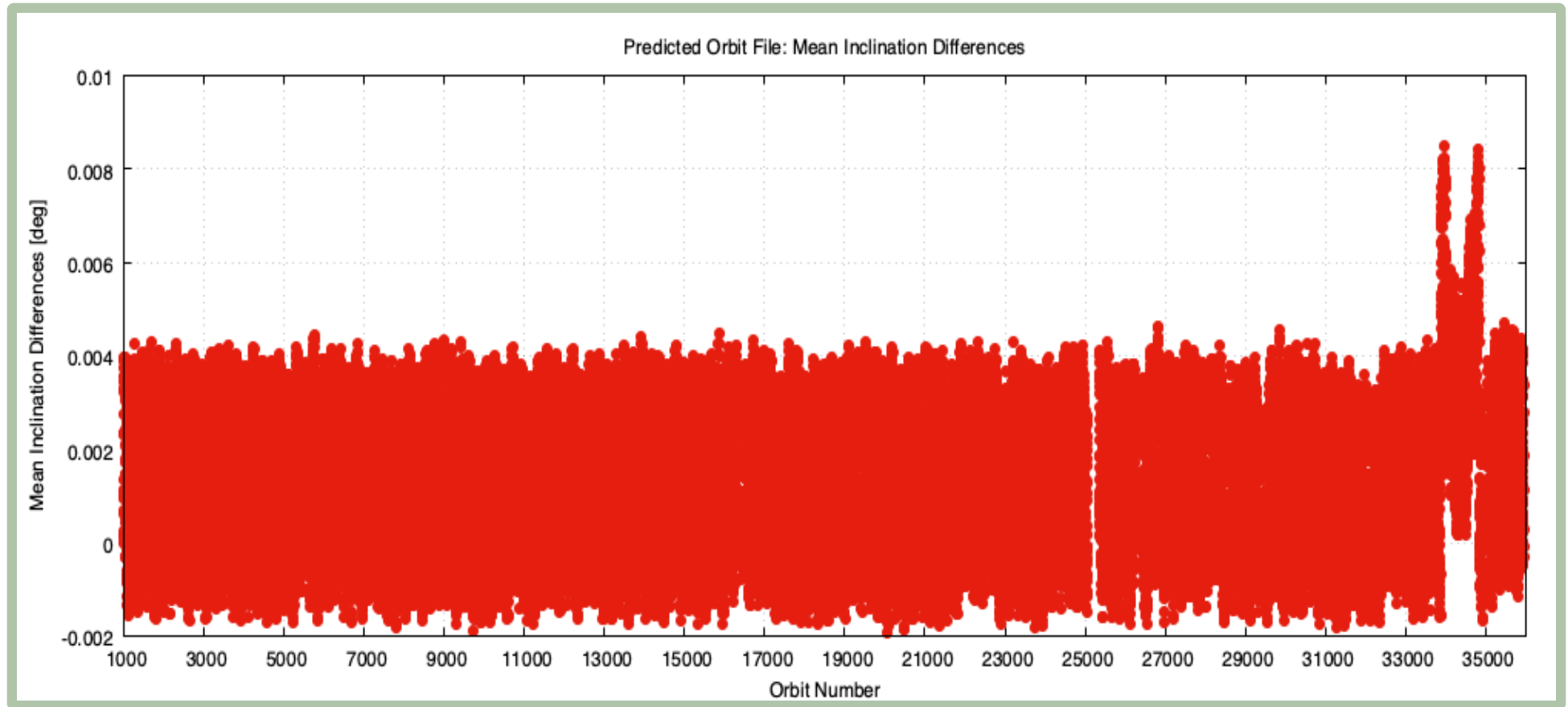
# Differences in Mean Semi-major Axis



# Differences in Eccentricity

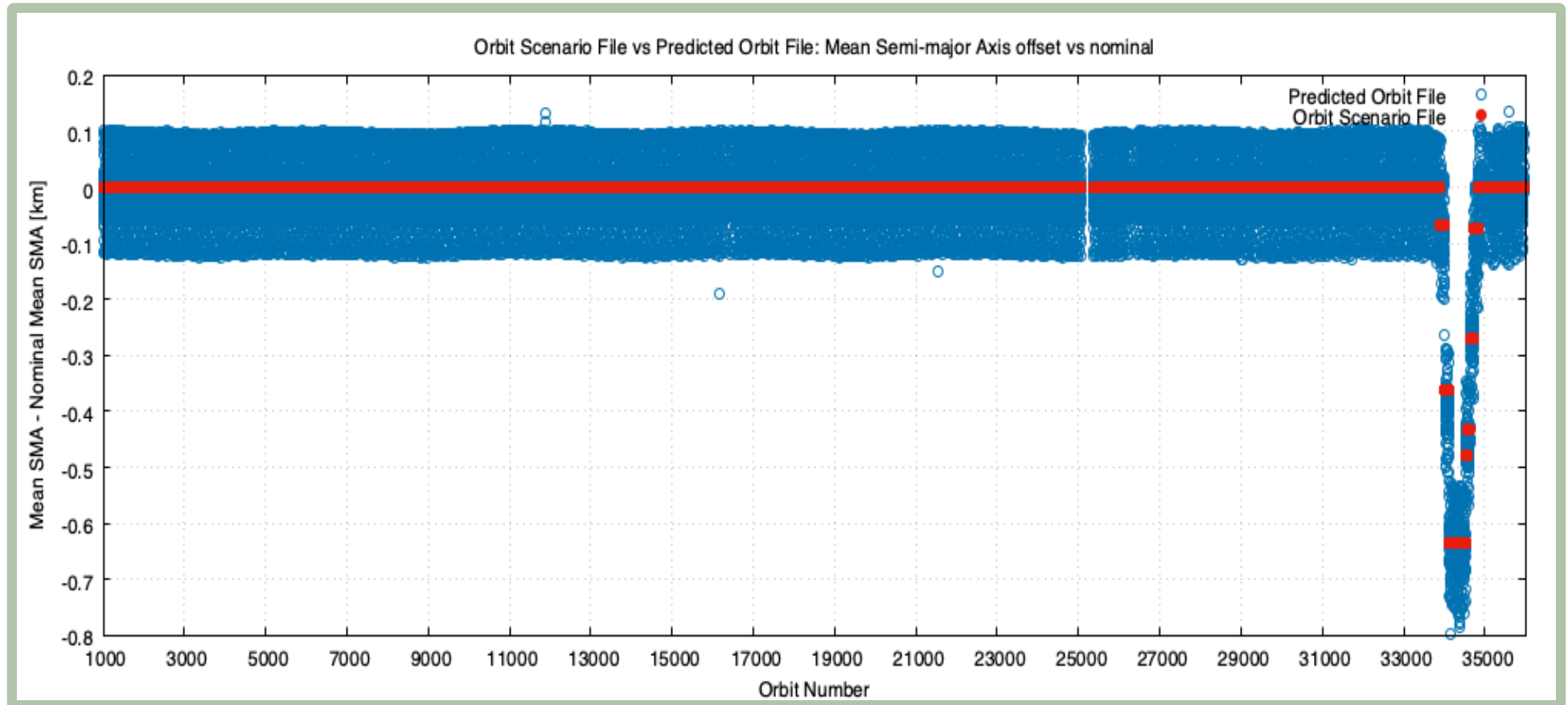


# Differences in Mean Inclination

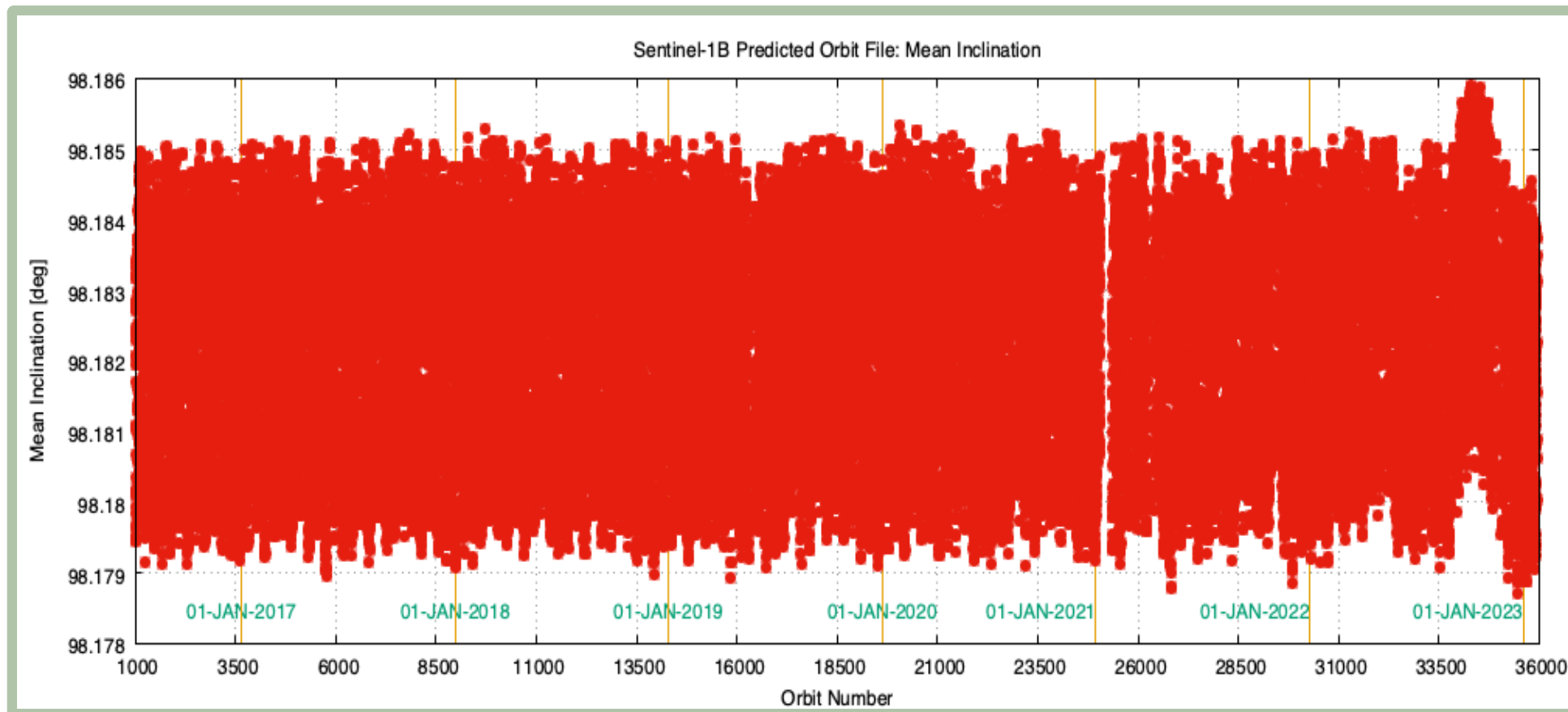




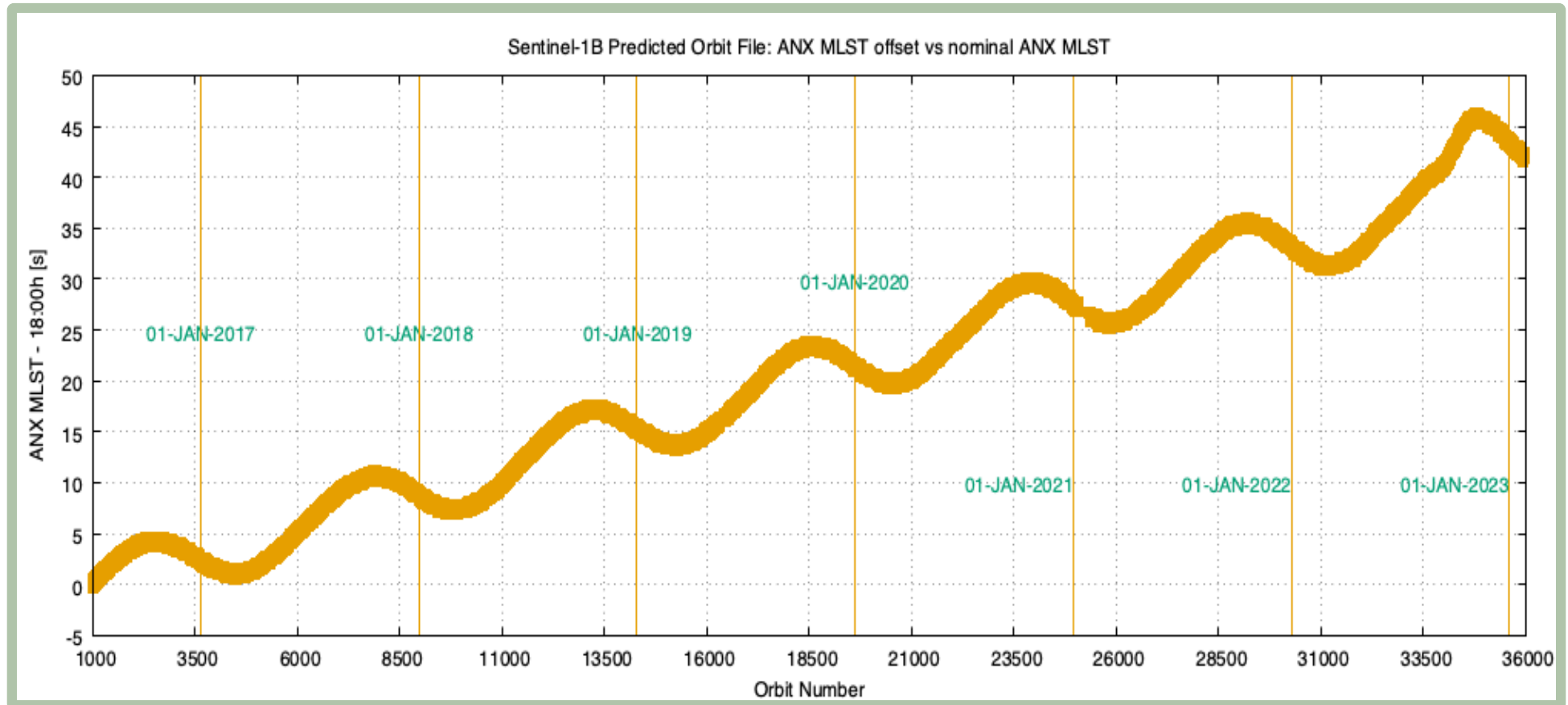
# Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



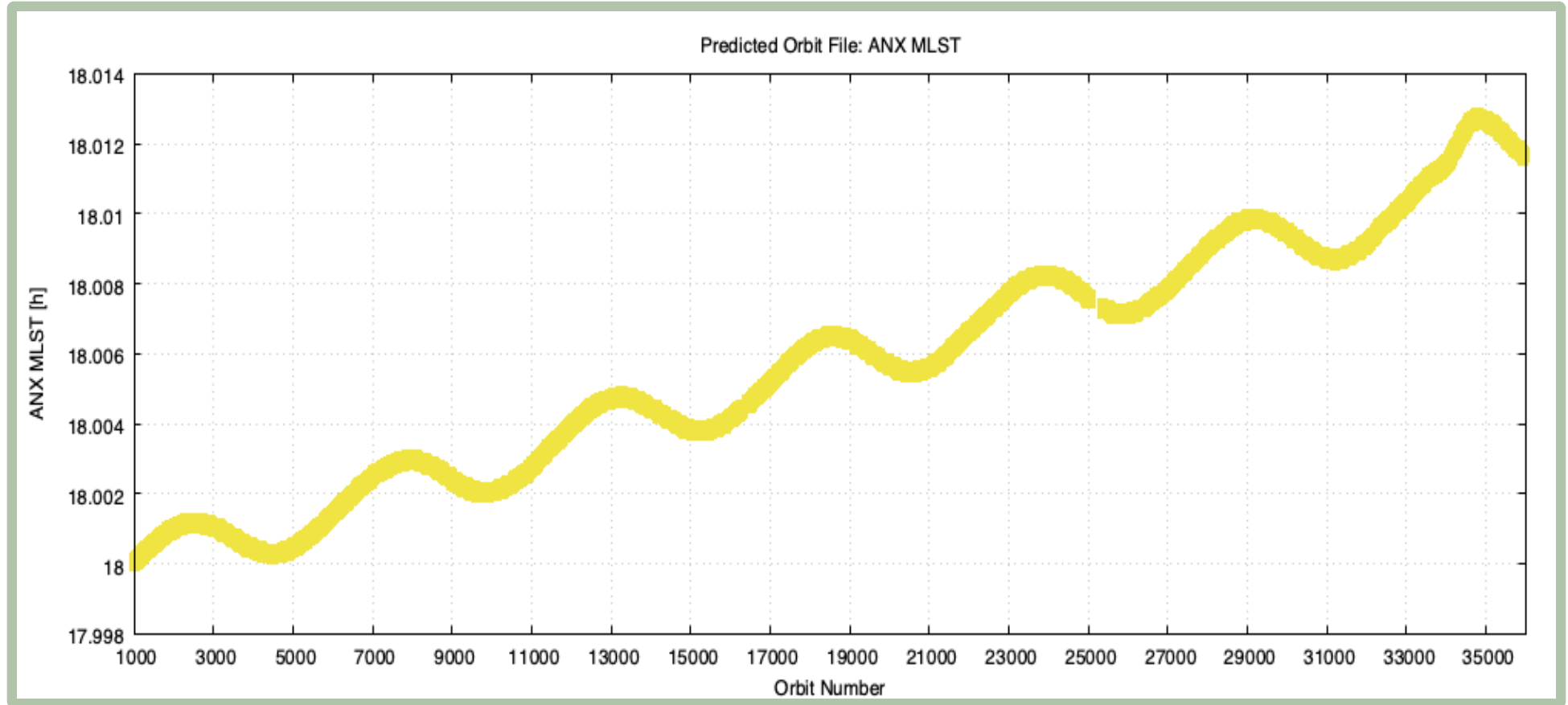
# Evolution of Mean Inclination (Predicted Orbit Files)



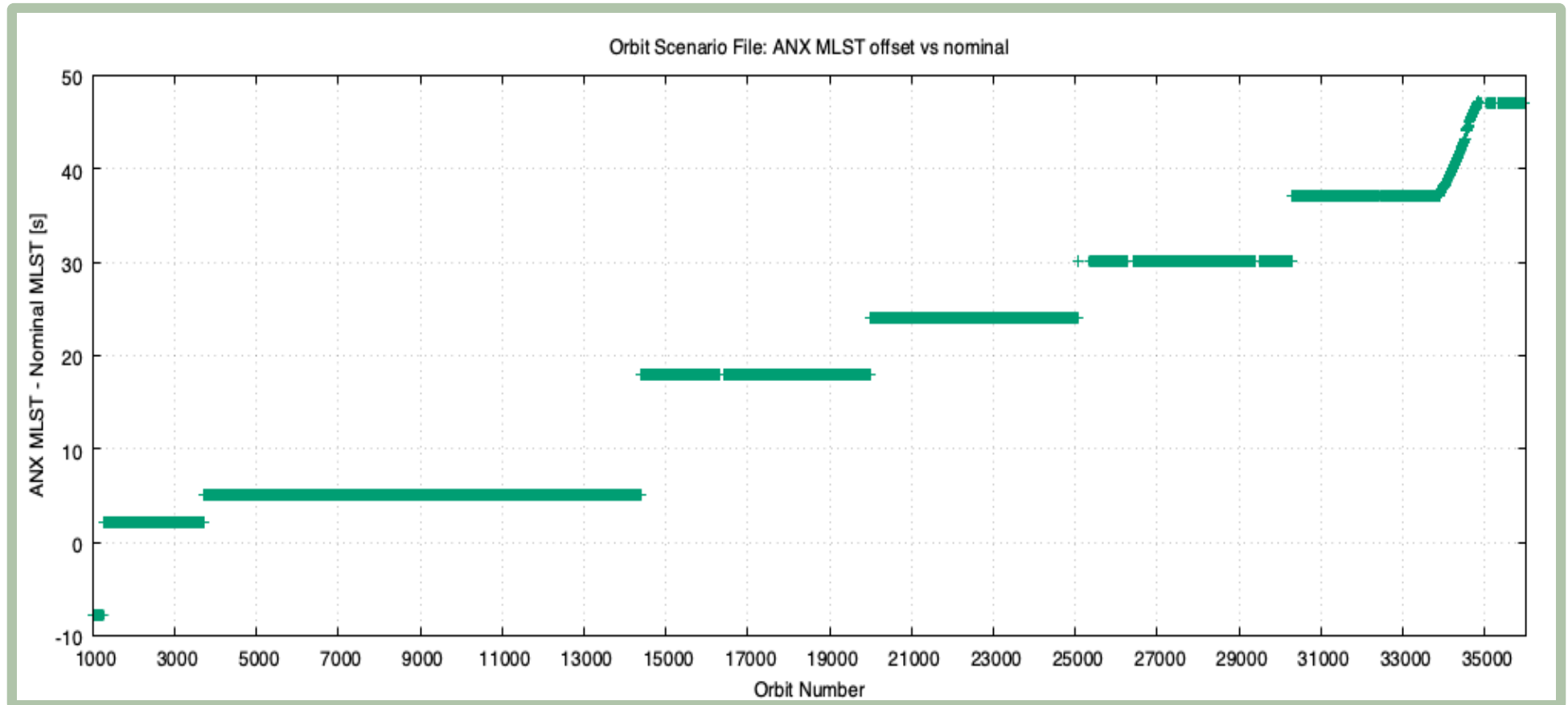
# Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): Offset vs Nominal ANX MLST



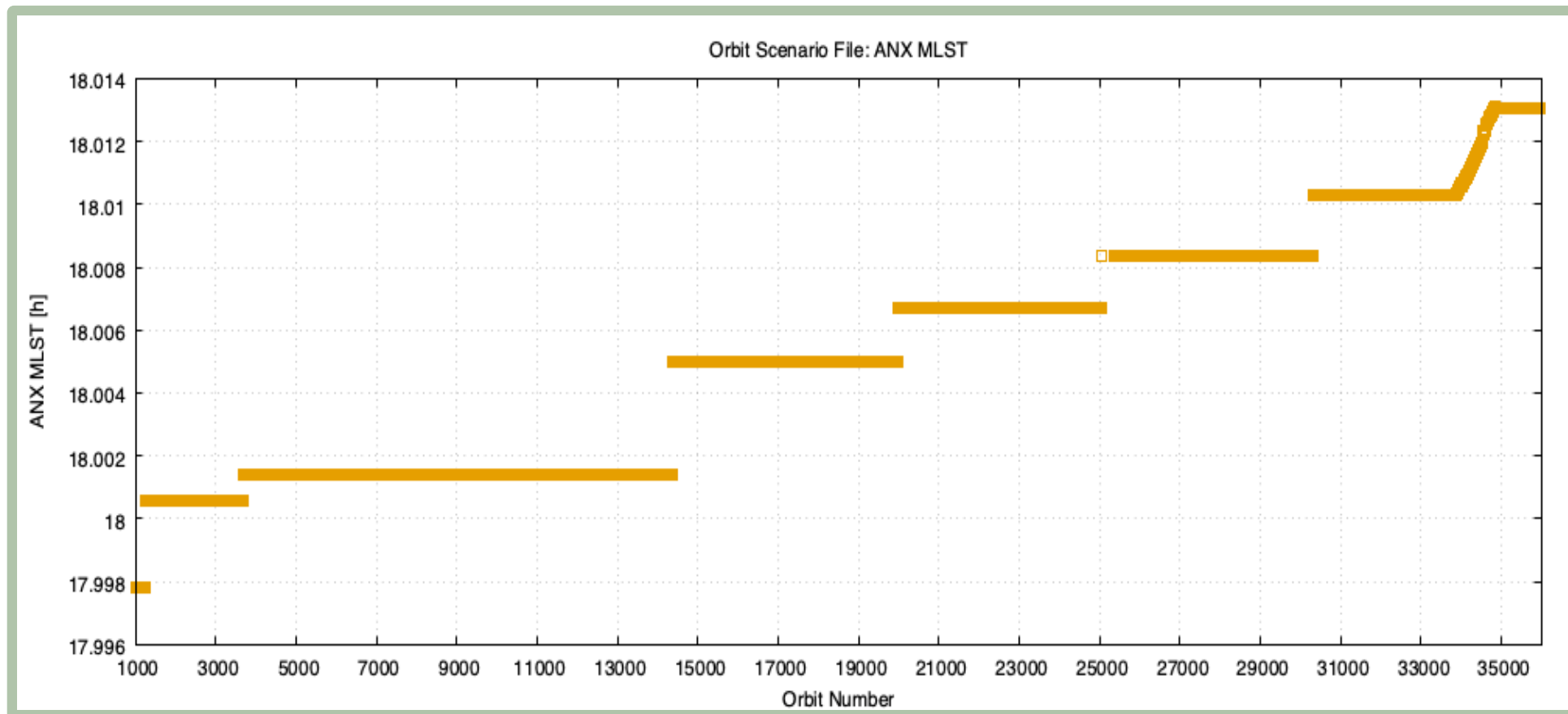
# Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): ANX MLST



# 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

