

# SENTINEL1A Orbit Monitoring Report

## Orbit Scenario File vs Predicted Orbit Files

Report Generation Date: 2023-01-19T16:00:00

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

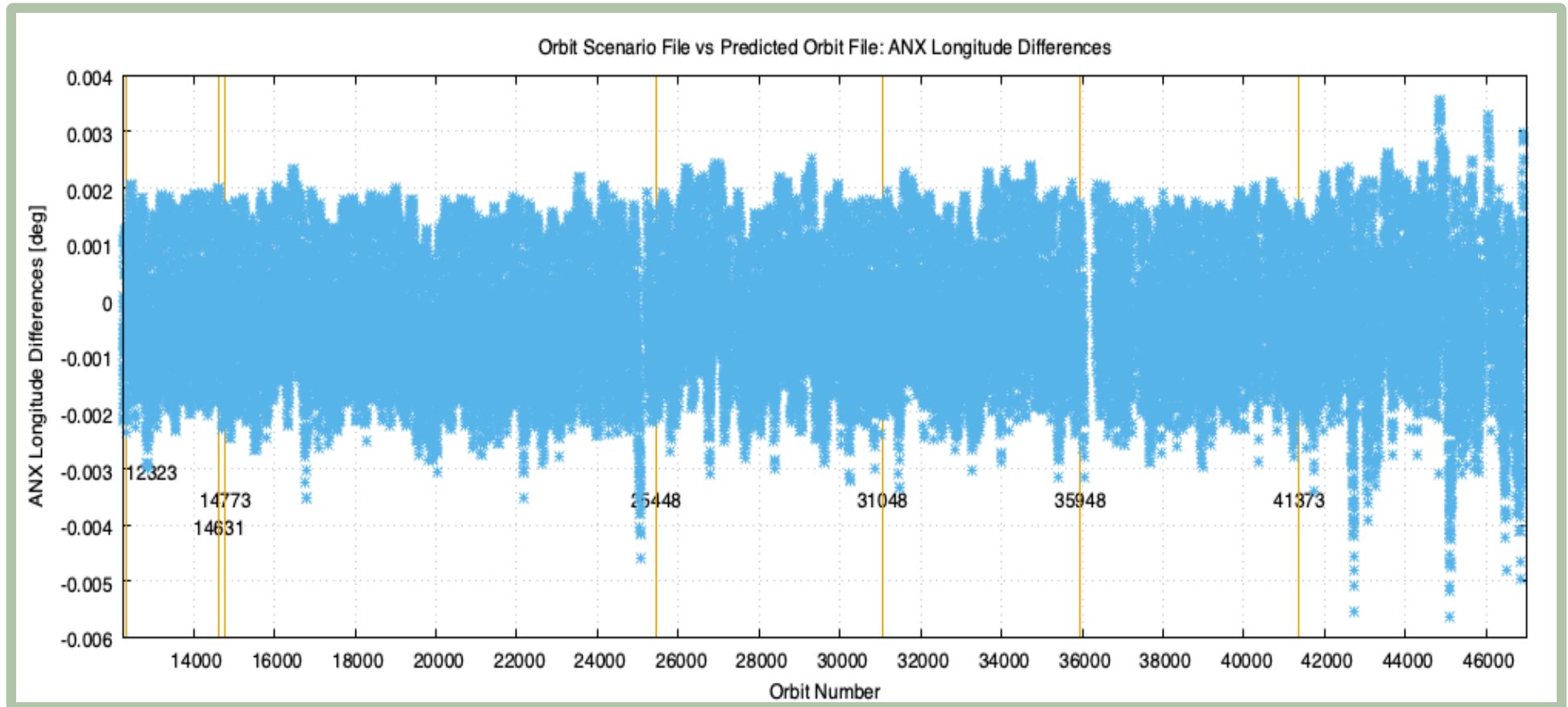
### Orbit Scenario File

<b>Filename</b>	S1A_OPER_MPL_ORBSCT_20140507T150704_99999999T999999_0024.EOF
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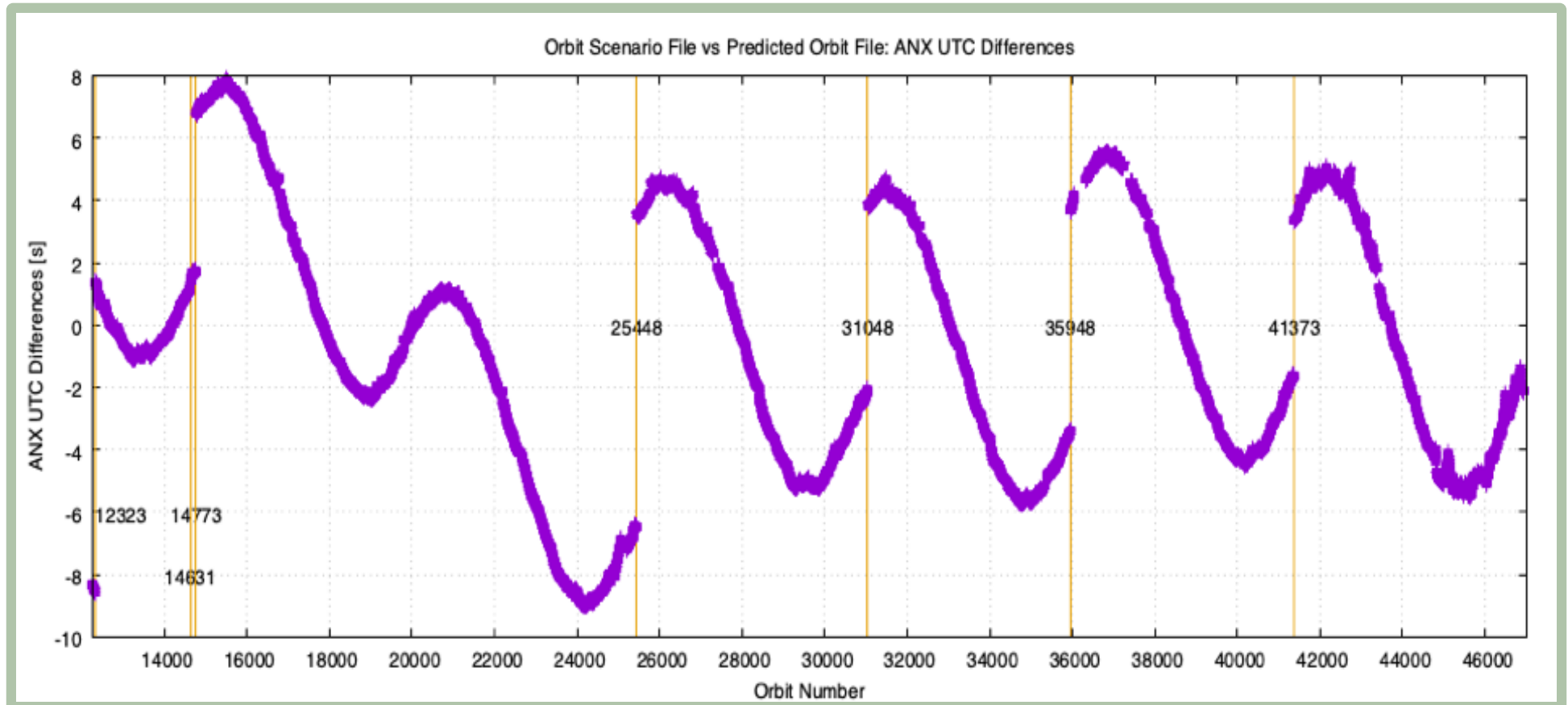
### Reported Time Interval

<b>Begin UTC Time</b>	2016-07-21T21:09:24.876491
<b>Begin Absolute Orbit</b>	12252
<b>End UTC Time</b>	2023-01-25T10:03:30.783386
<b>End Absolute Orbit</b>	46939

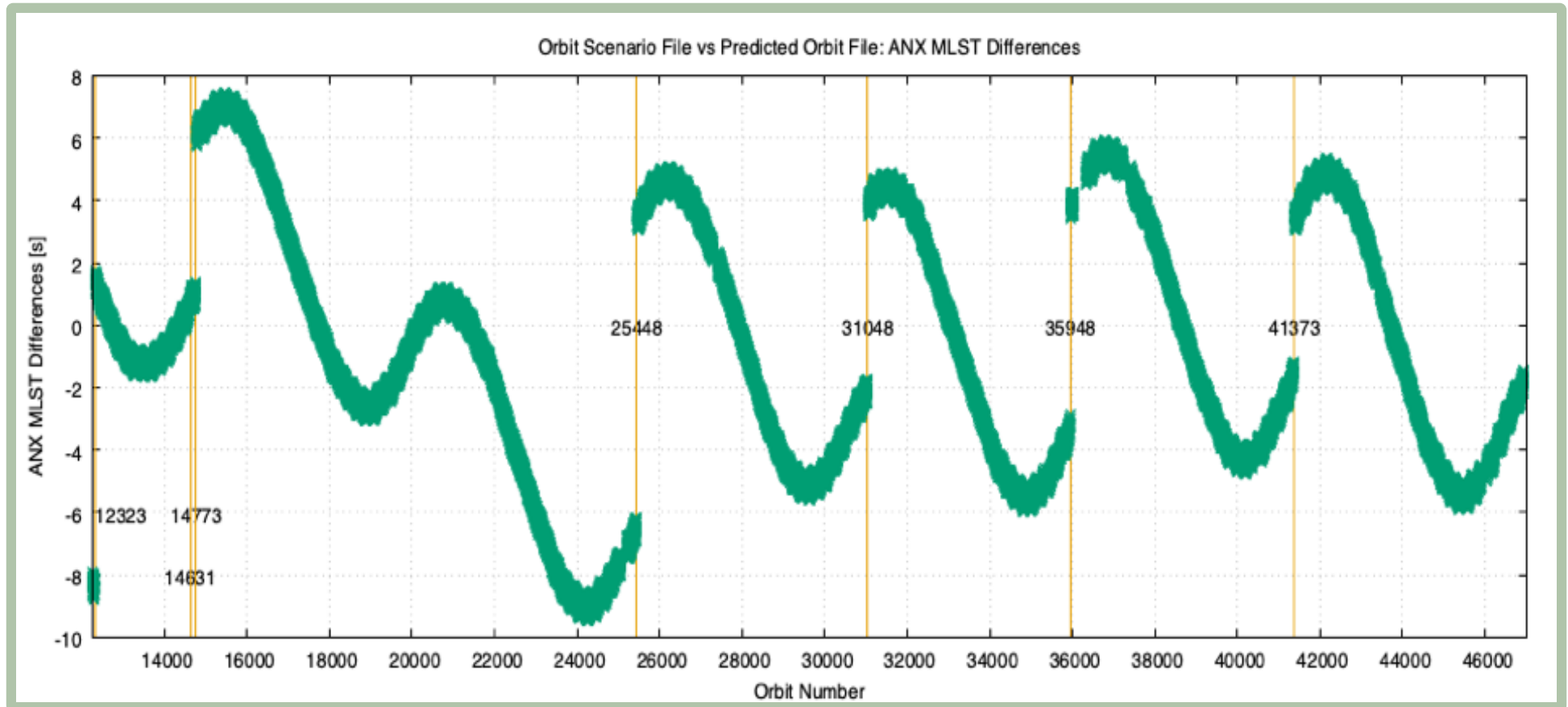
# Differences in ANX Longitude



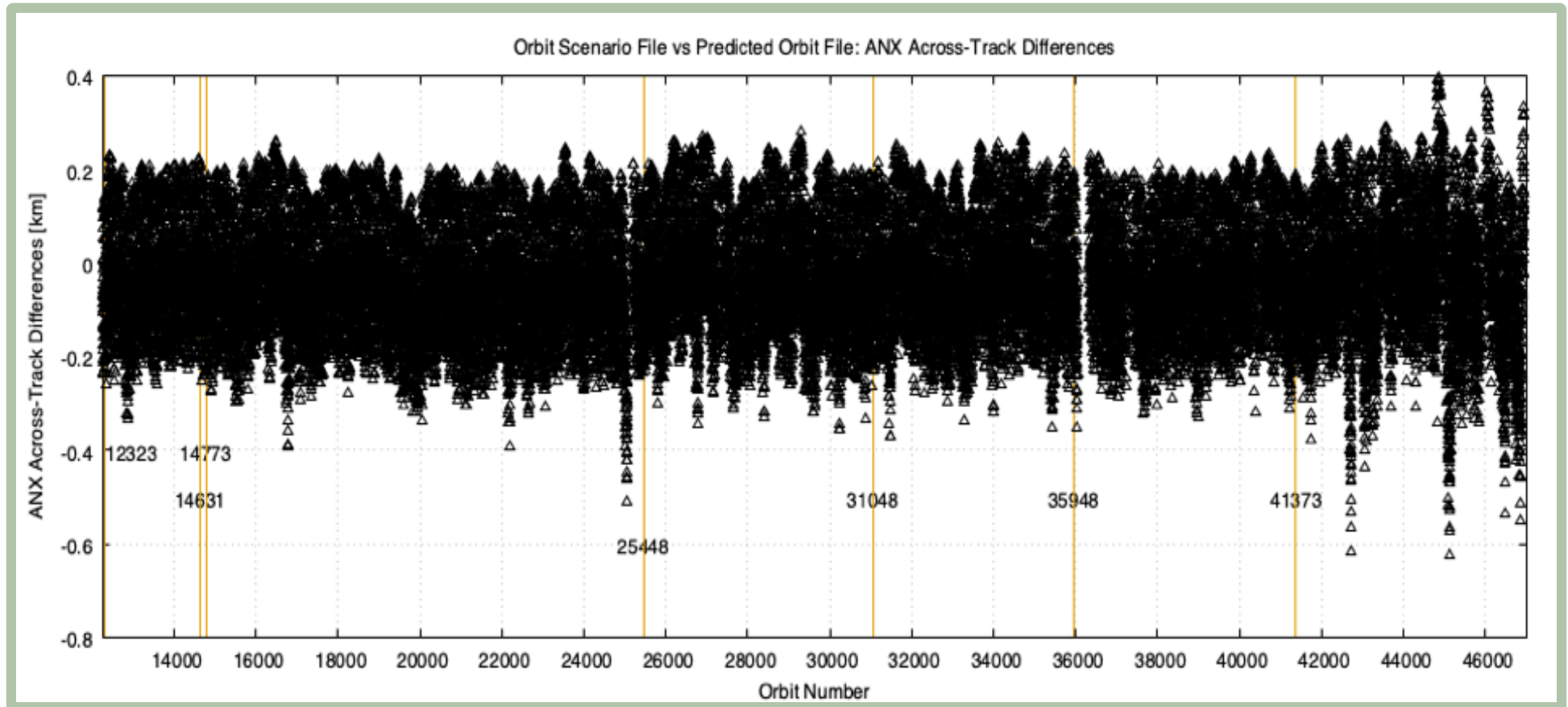
# Differences in ANX UTC Time



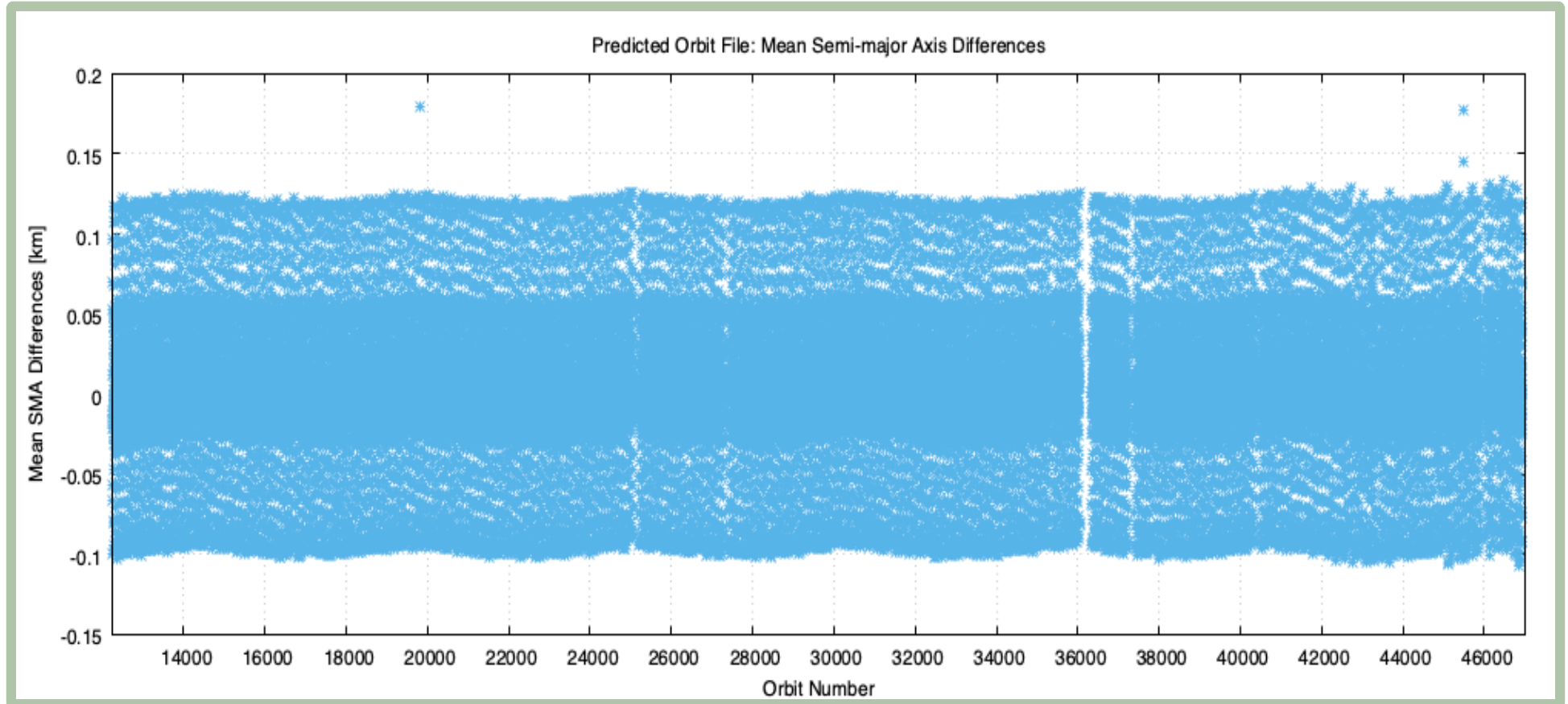
# Differences in ANX Mean Local Solar Time



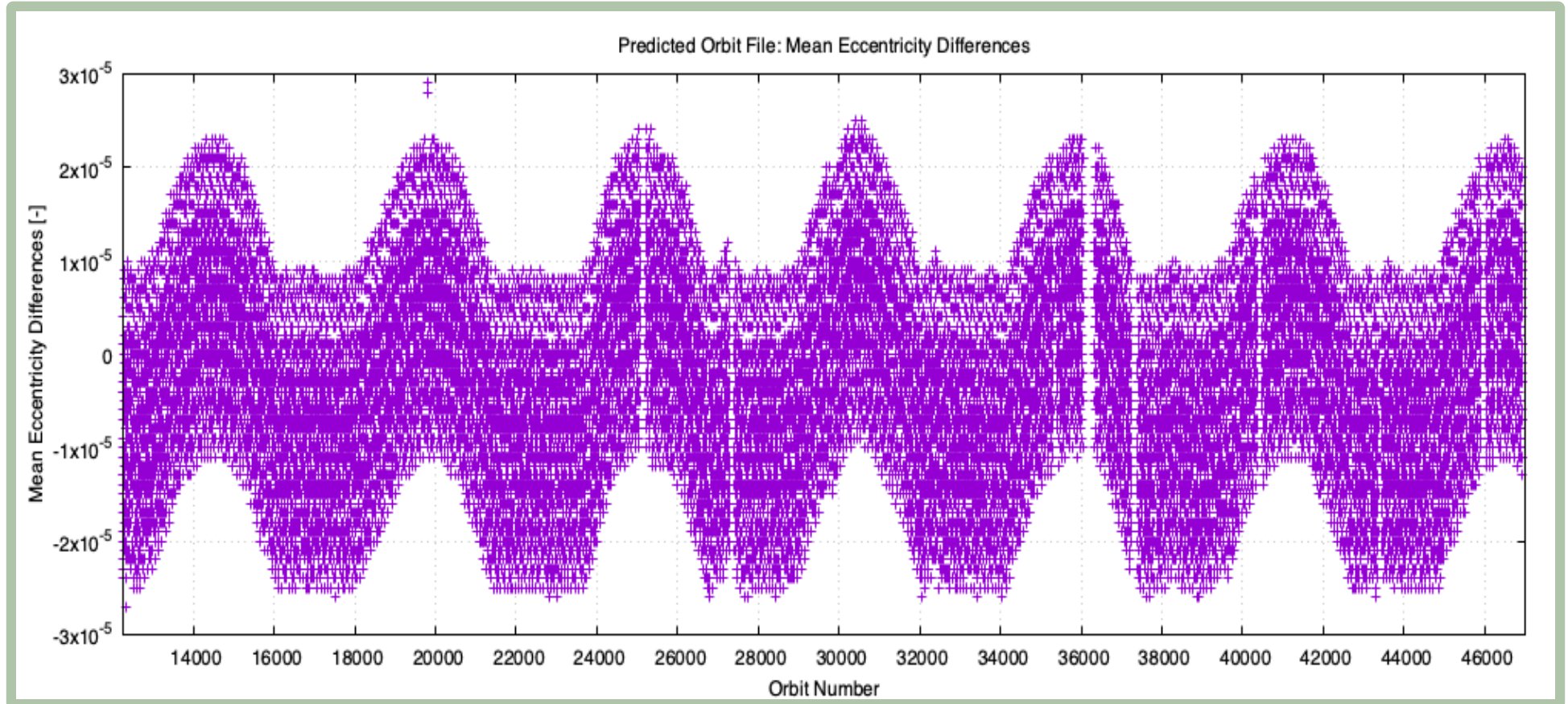
# Differences in ANX Across-track



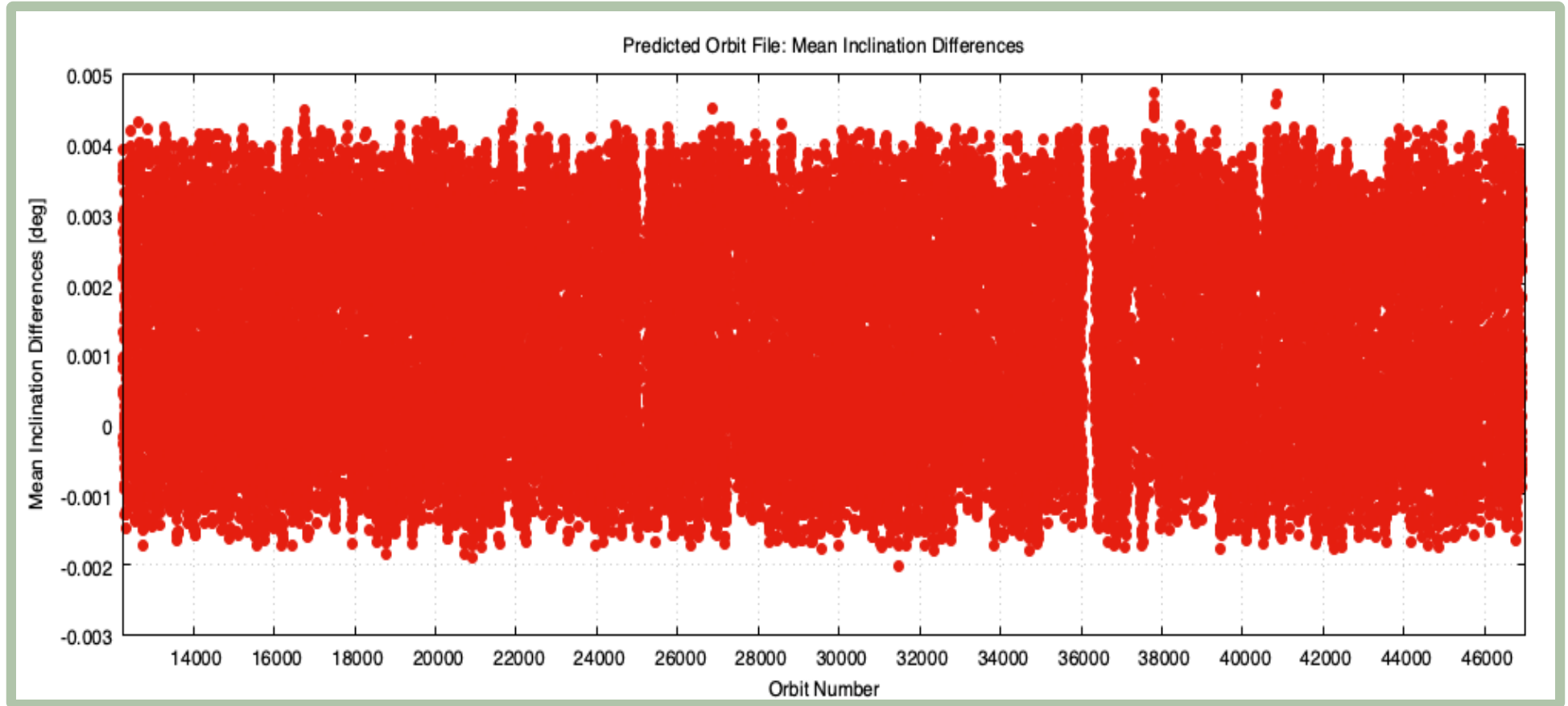
# Differences in Mean Semi-major Axis



# Differences in Eccentricity

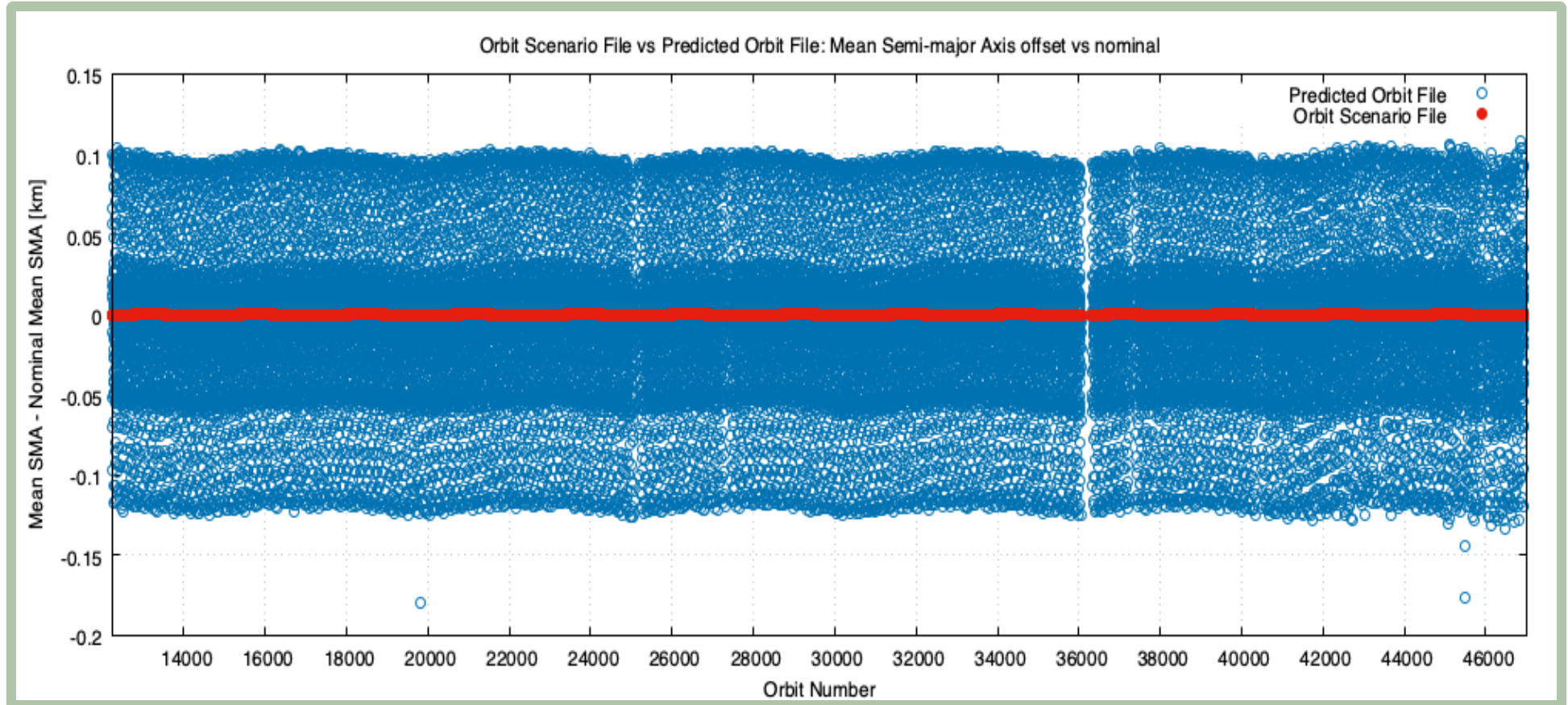


# Differences in Mean Inclination

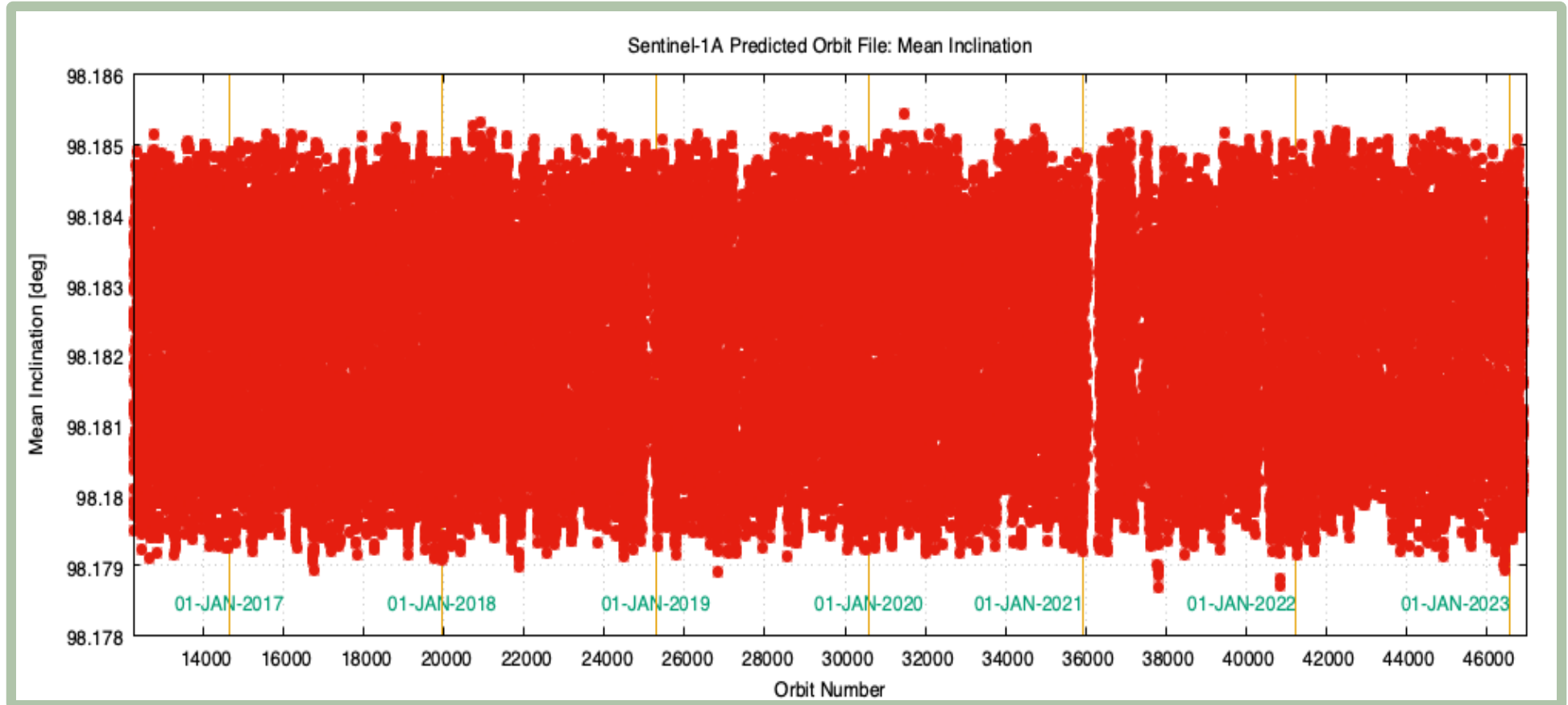




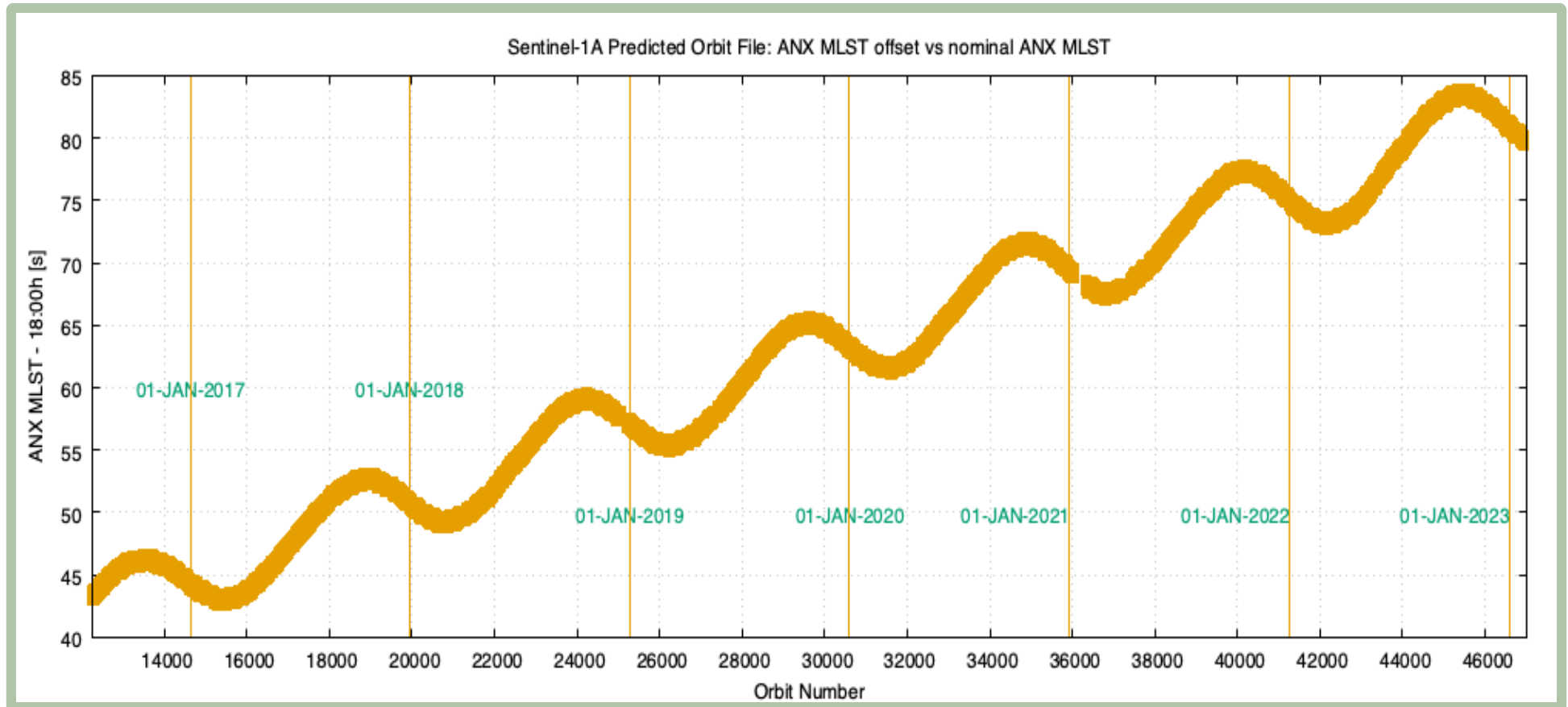
# Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



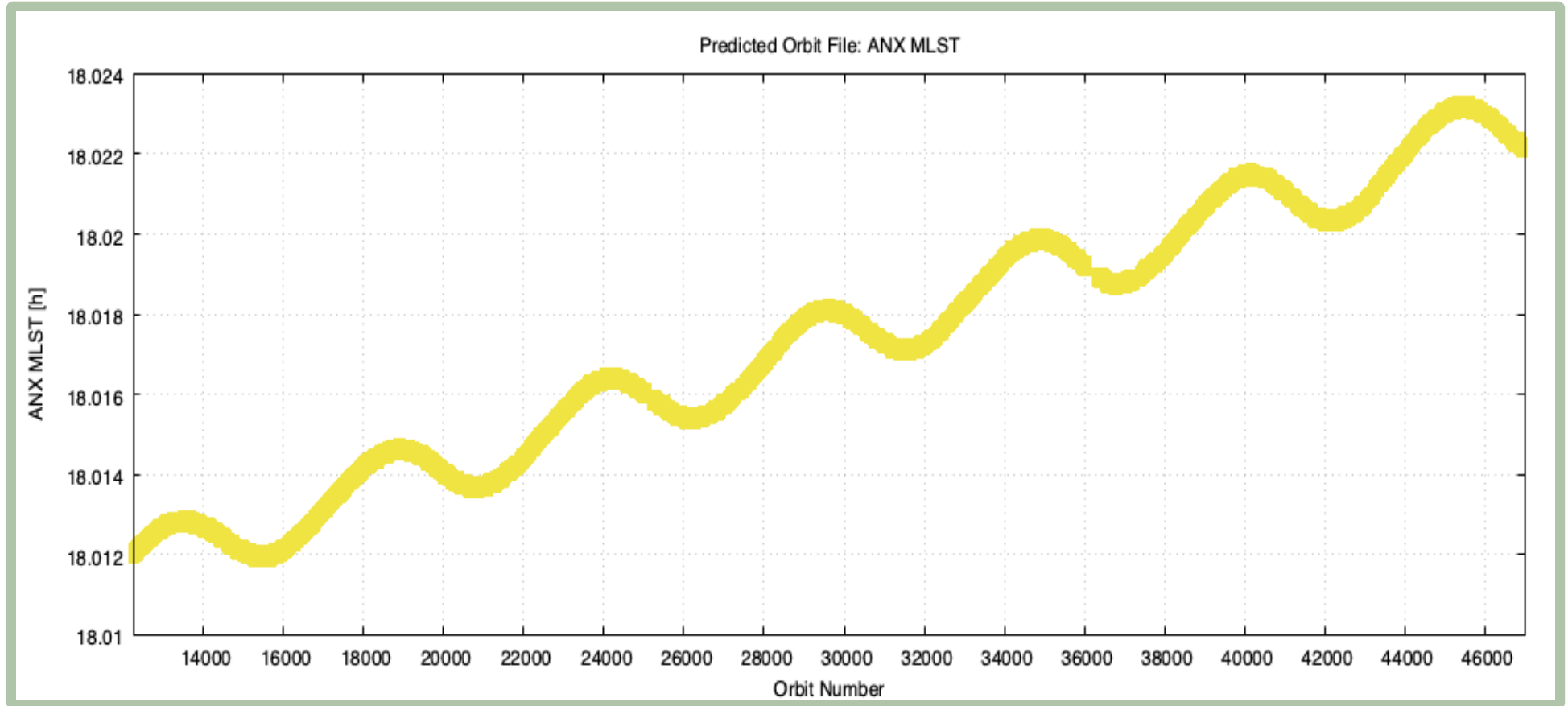
# Evolution of Mean Inclination (Predicted Orbit Files)



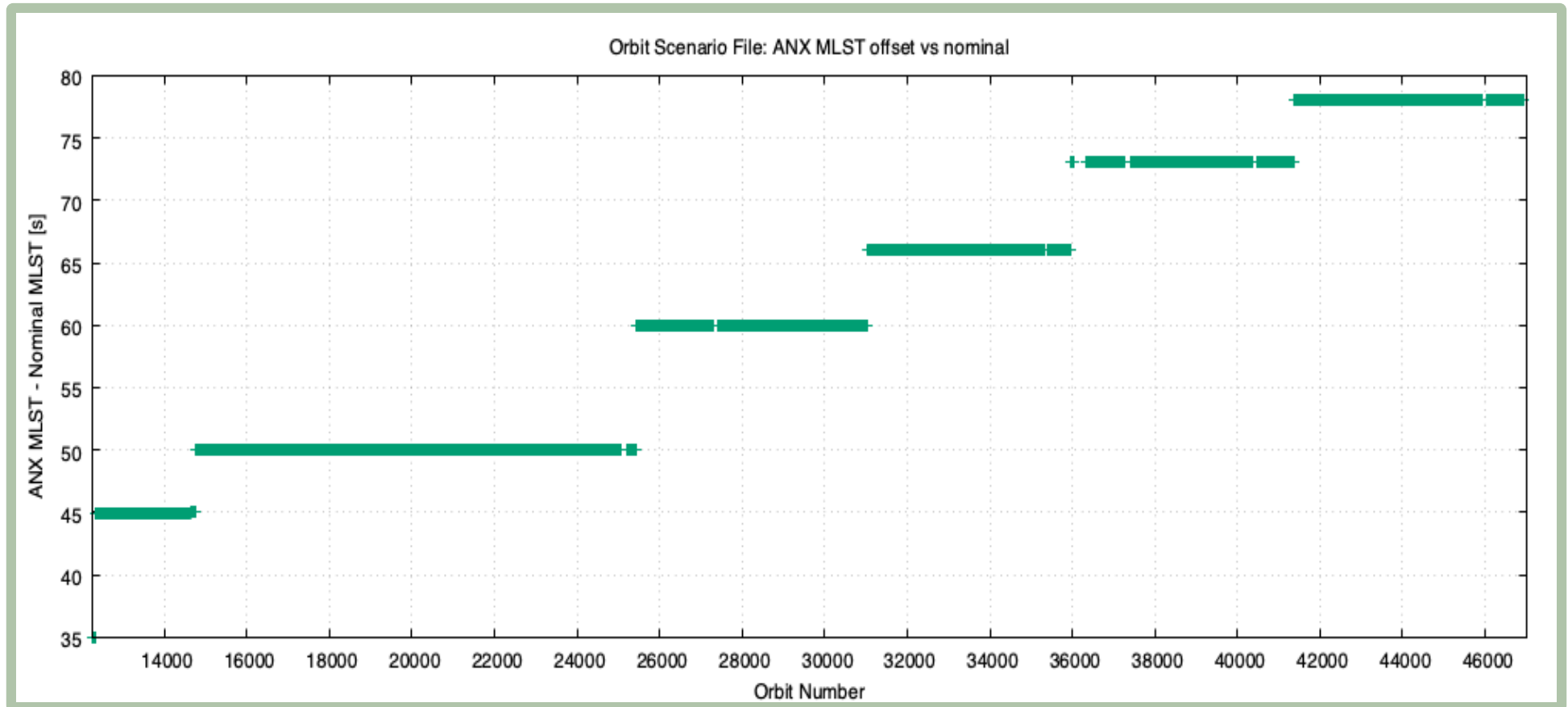
# Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): Offset vs Nominal ANX MLST



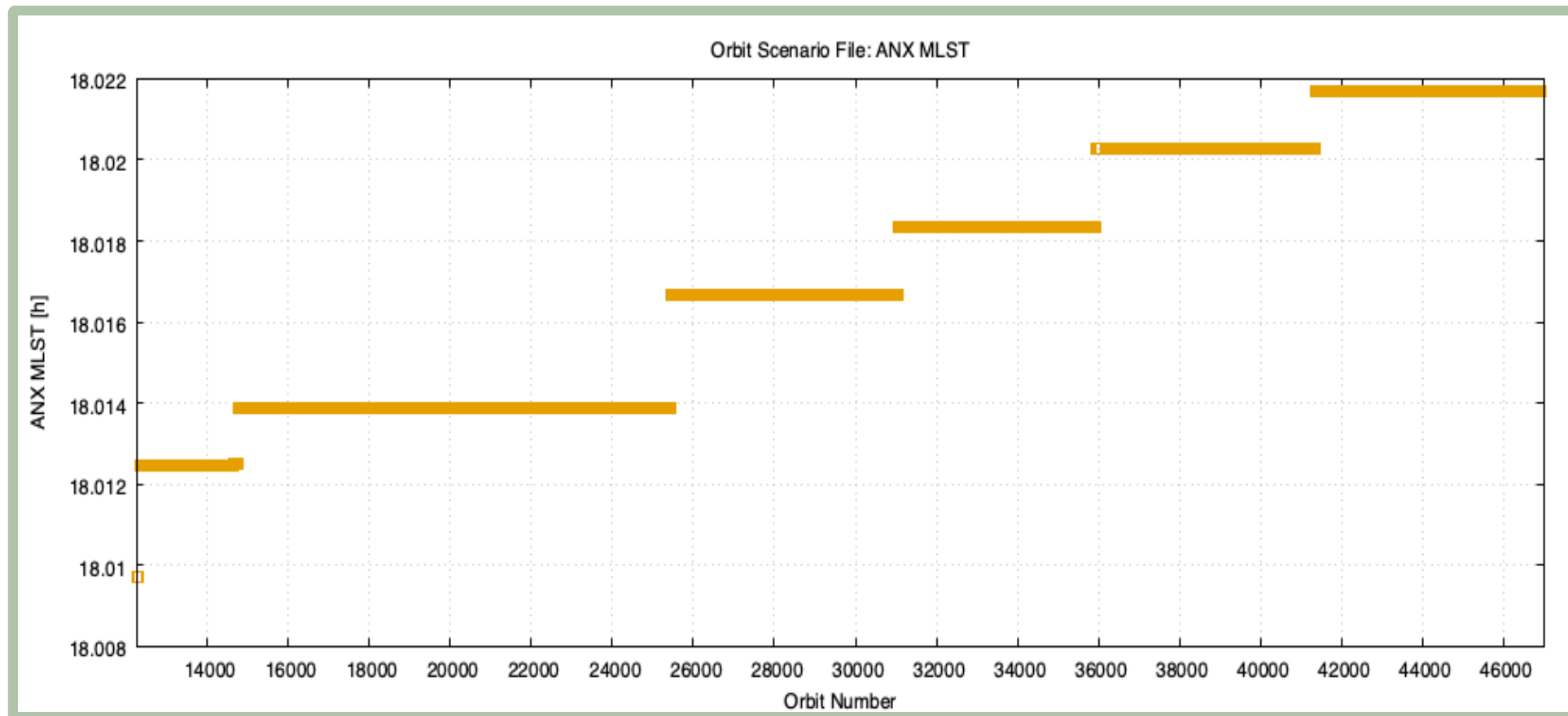
# Evolution of ANX Mean Local Solar Time (Predicted Orbit Files): ANX MLST



# 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

