

# SENTINEL6A Orbit Monitoring Report

## Orbit Scenario File vs Predicted Orbit Files

Report Generation Date: 2023-09-14T14:00:00

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

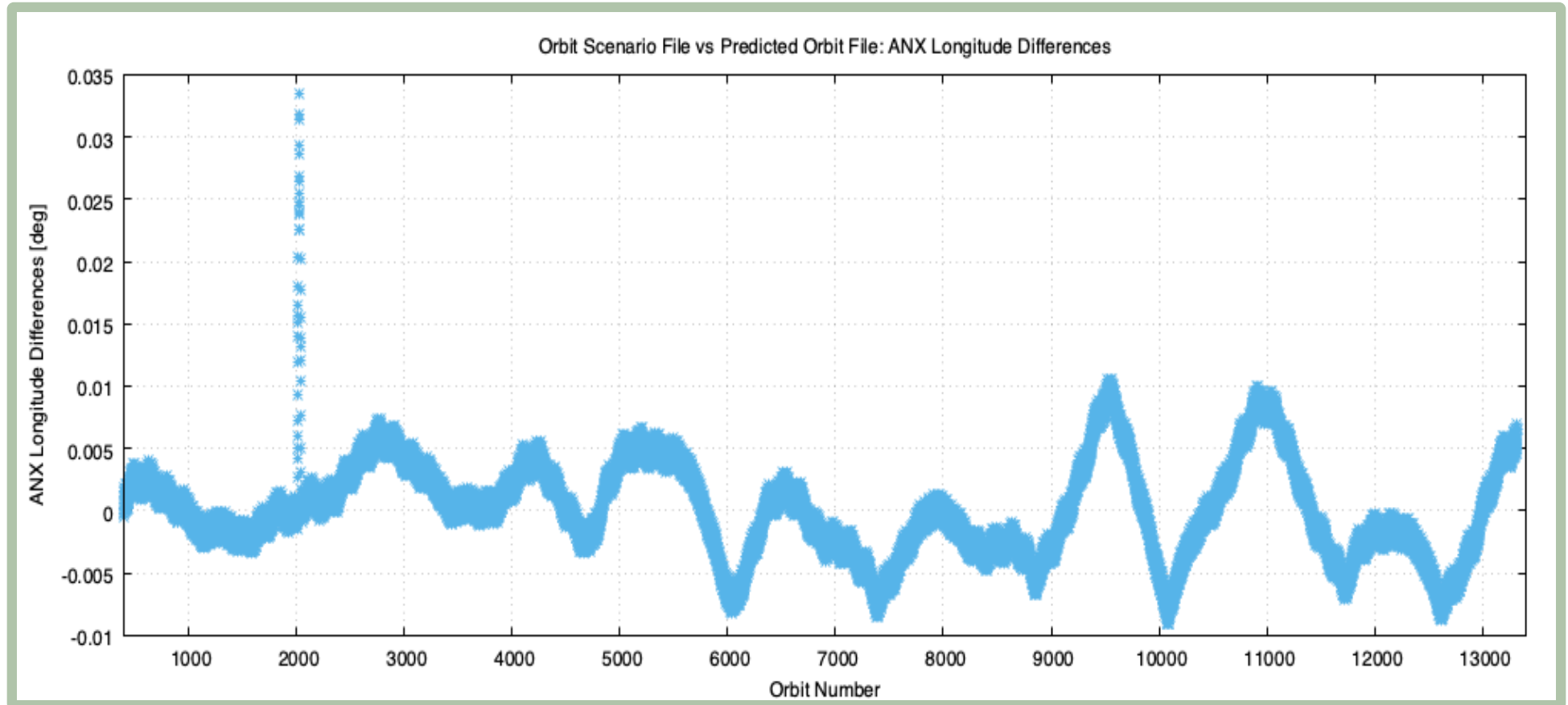
### Orbit Scenario File

<b>Filename</b>	S6A_OPER_MPL_ORBSCT_20201121T182414_99999999T999999_0008_for_EOCFI_v4_16_and_above.EOF
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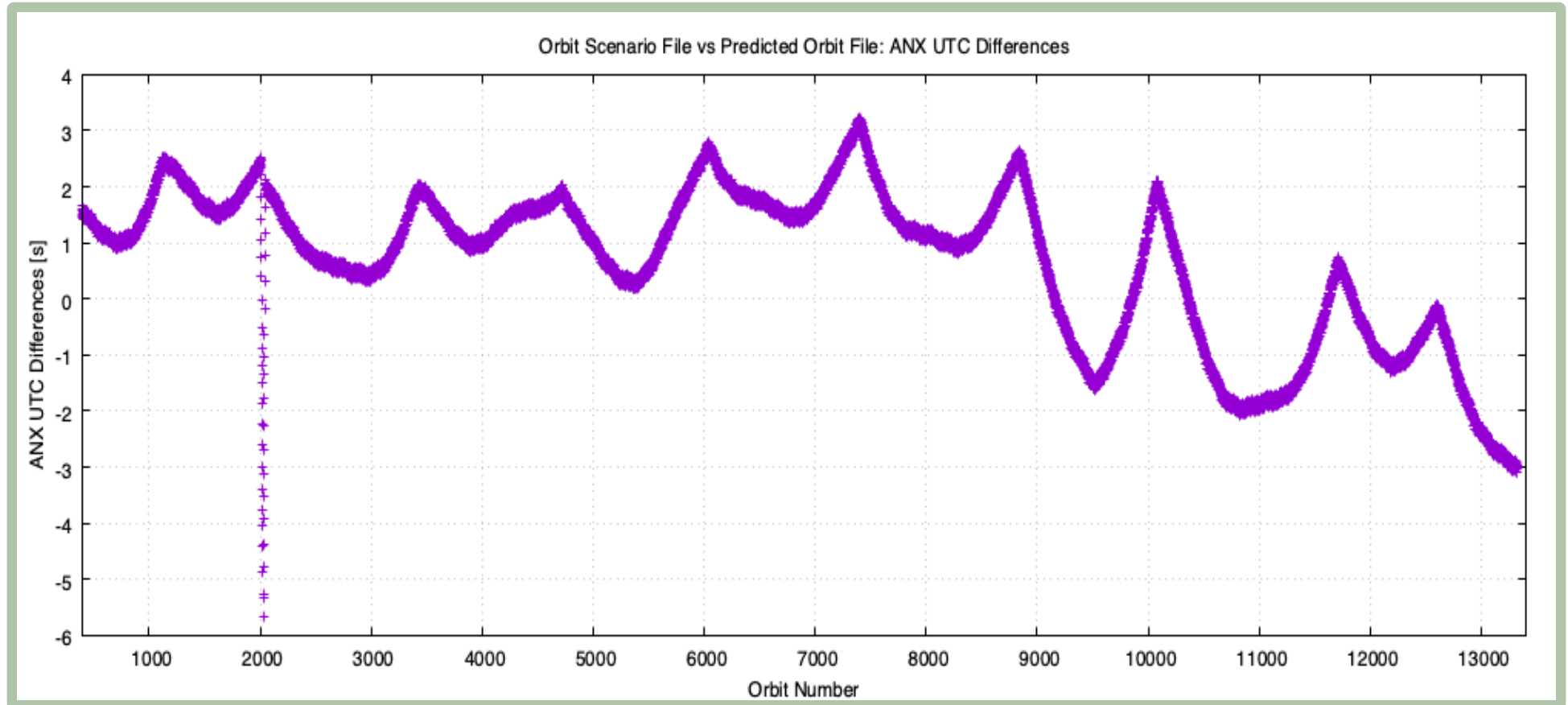
### Reported Time Interval

<b>Begin UTC Time</b>	2020-11-22T01:52:20.051802
<b>Begin Absolute Orbit</b>	5
<b>End UTC Time</b>	2023-09-27T23:01:49.378591
<b>End Absolute Orbit</b>	13325

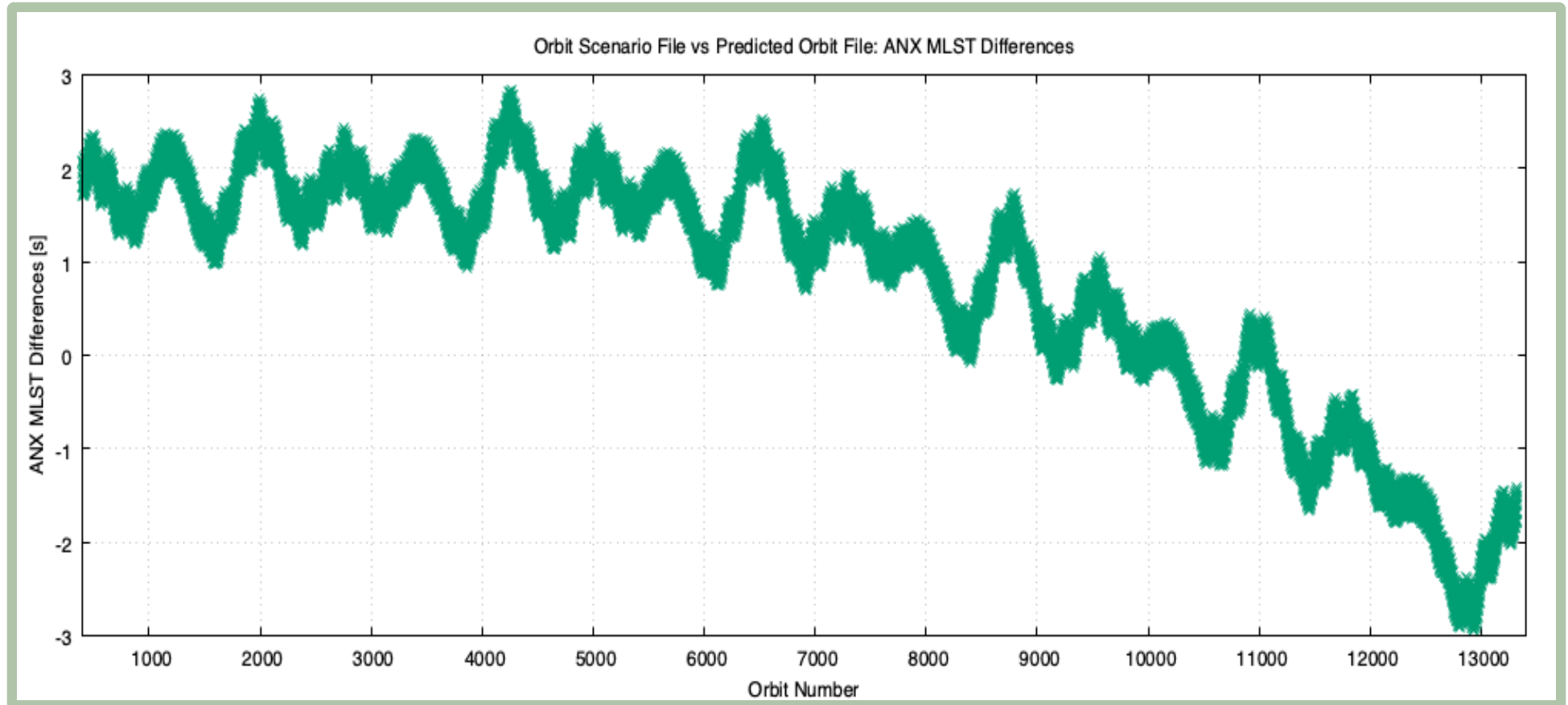
# Differences in ANX Longitude



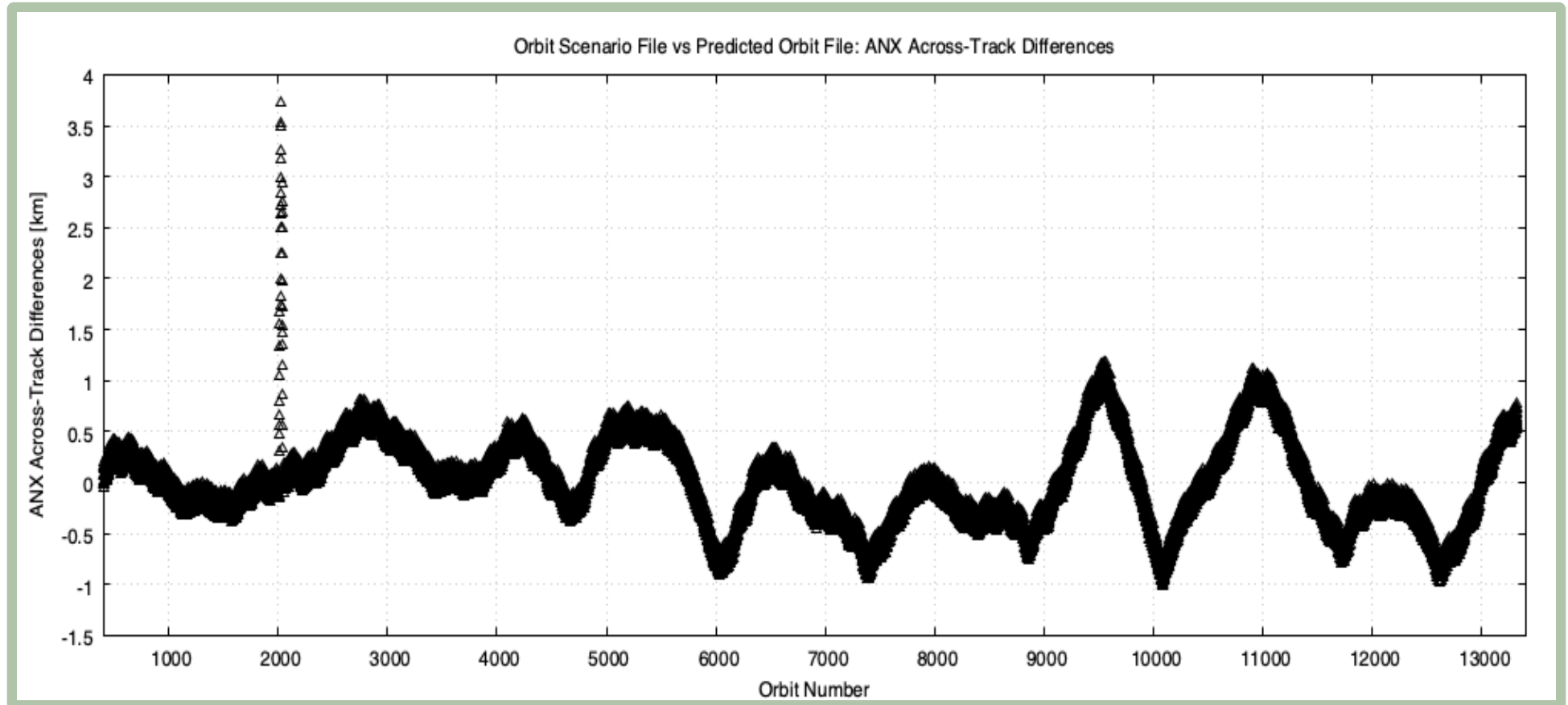
# Differences in ANX UTC Time



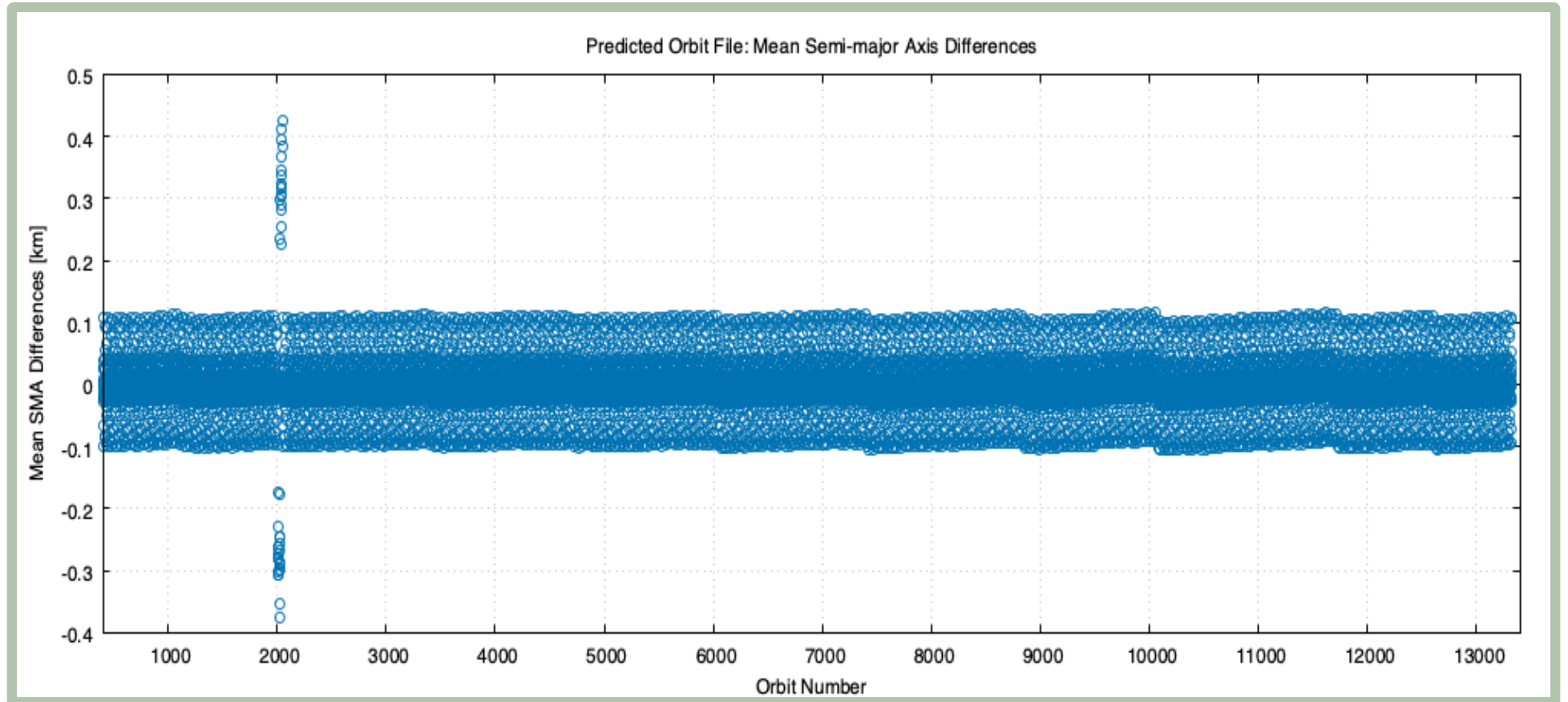
# Differences in ANX Mean Local Solar Time



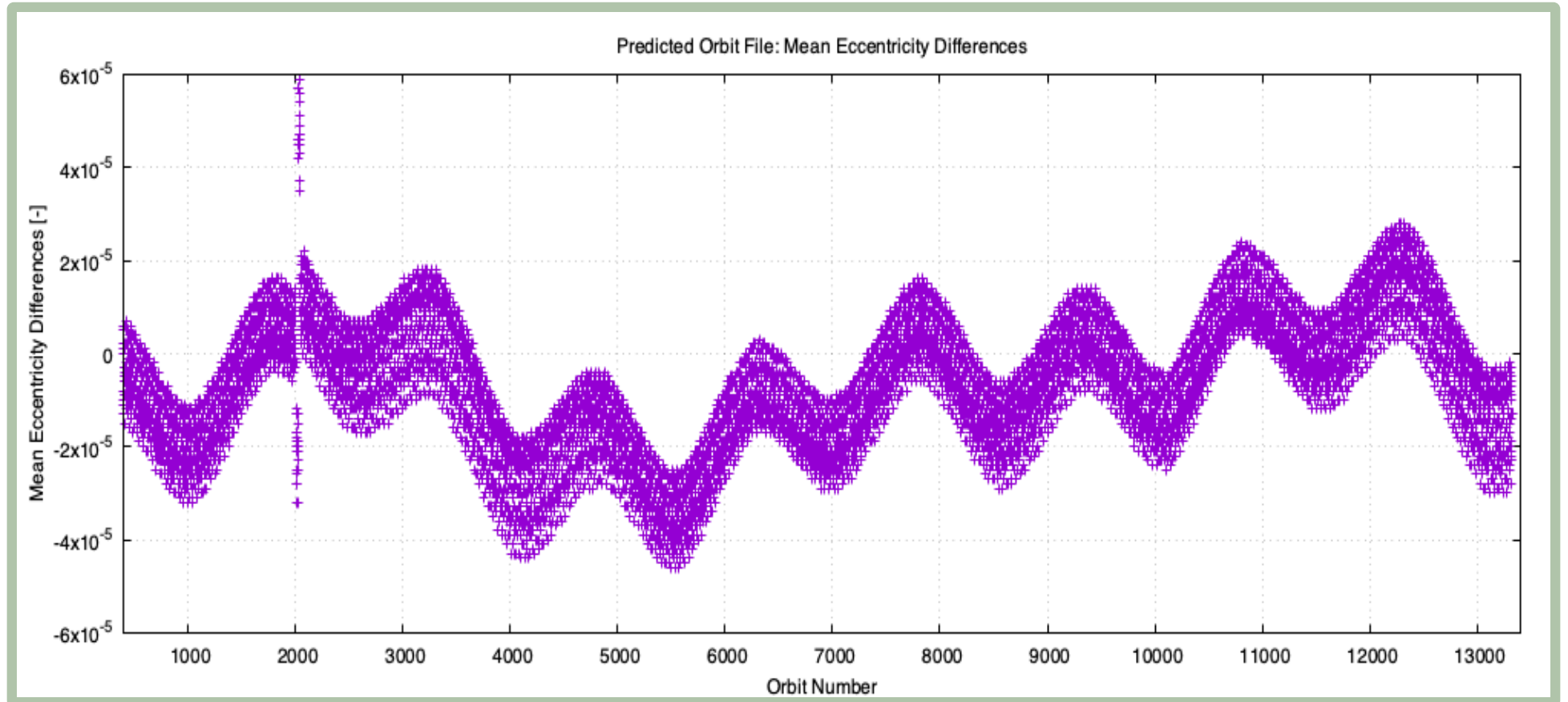
# Differences in ANX Across-track



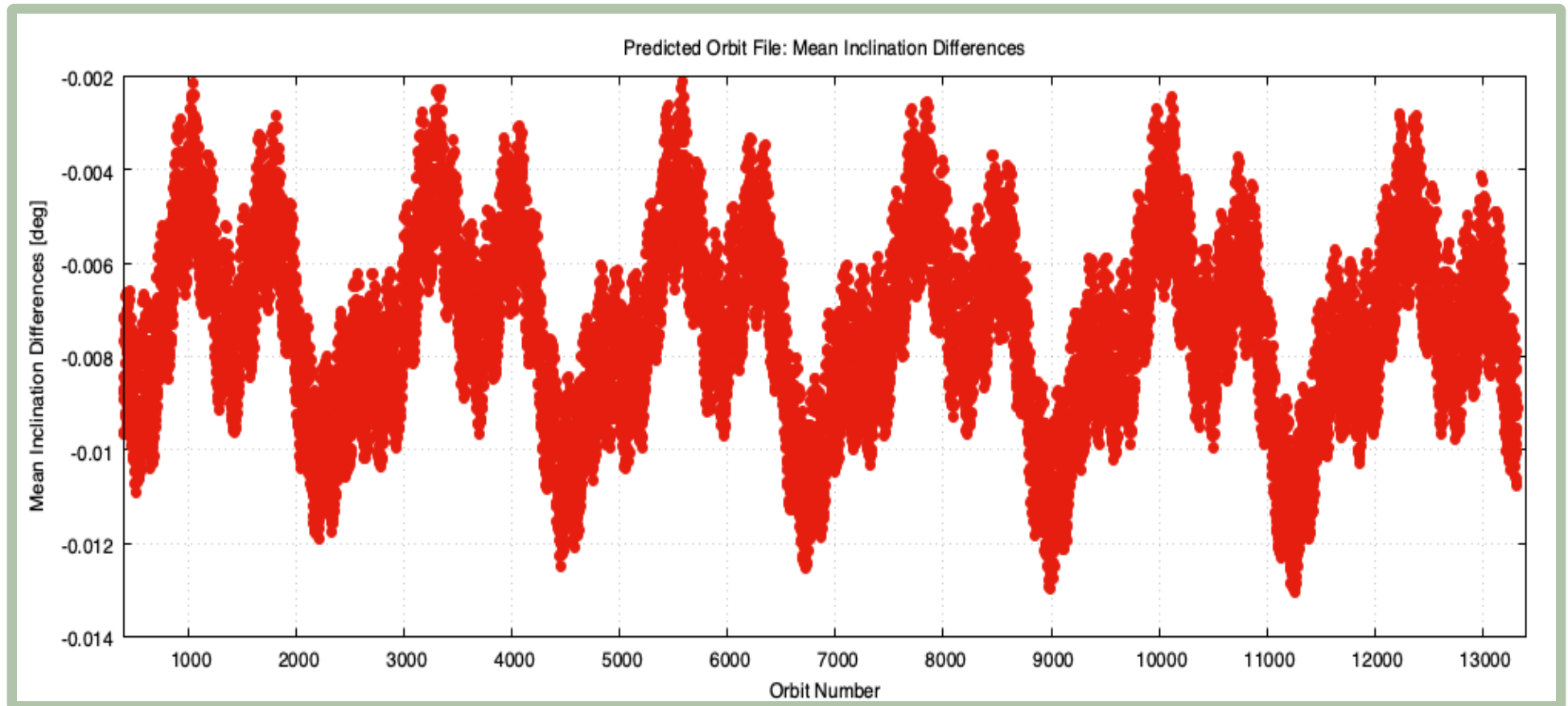
# Differences in Mean Semi-major Axis



# Differences in Eccentricity

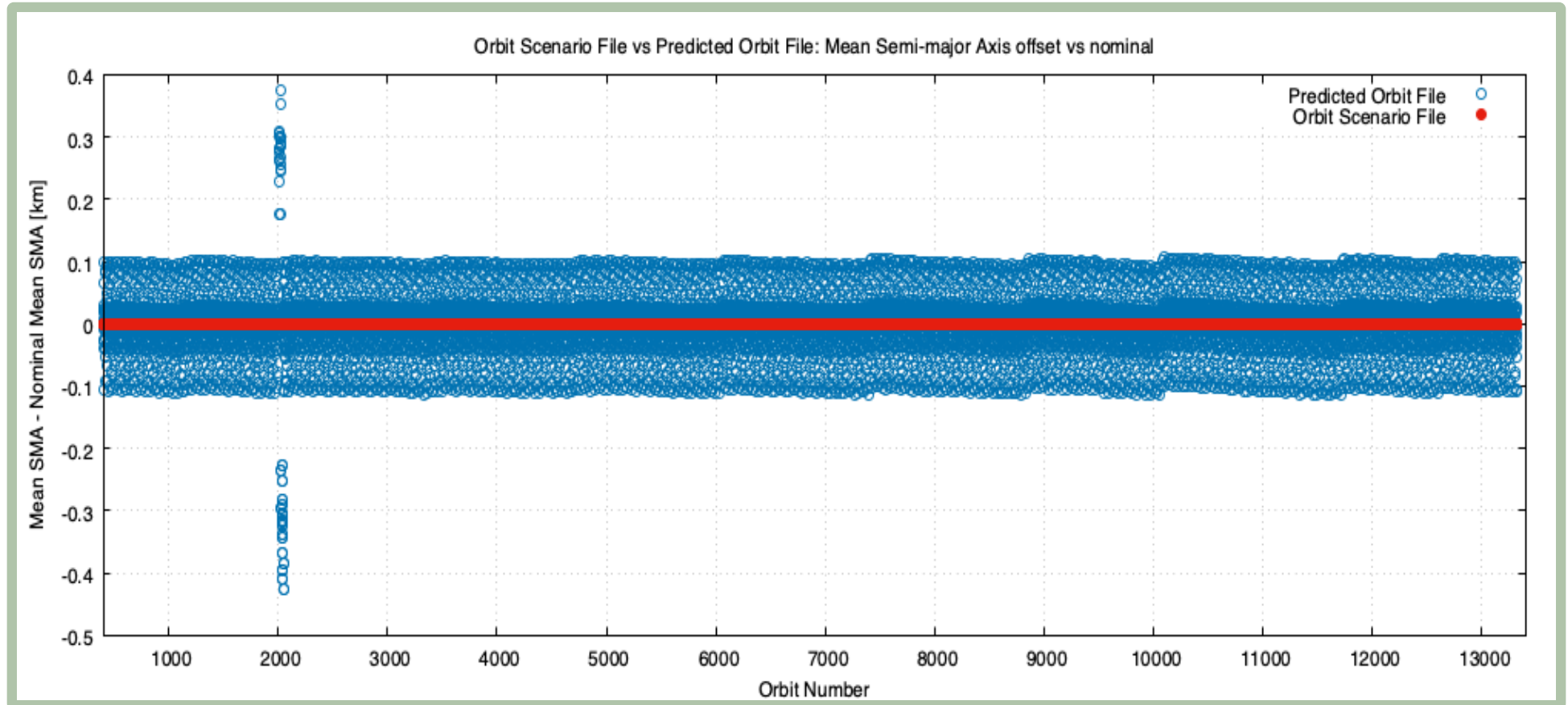


# Differences in Mean Inclination

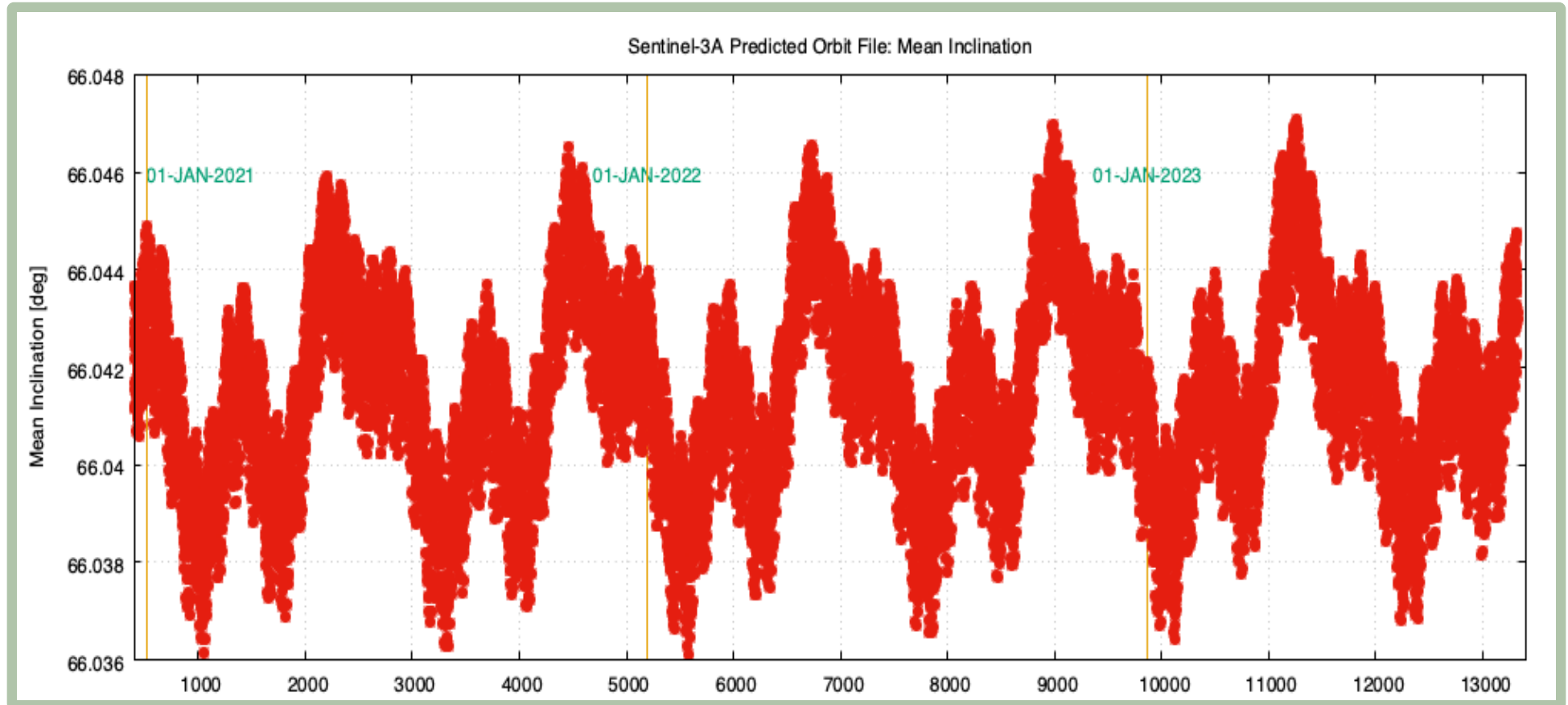




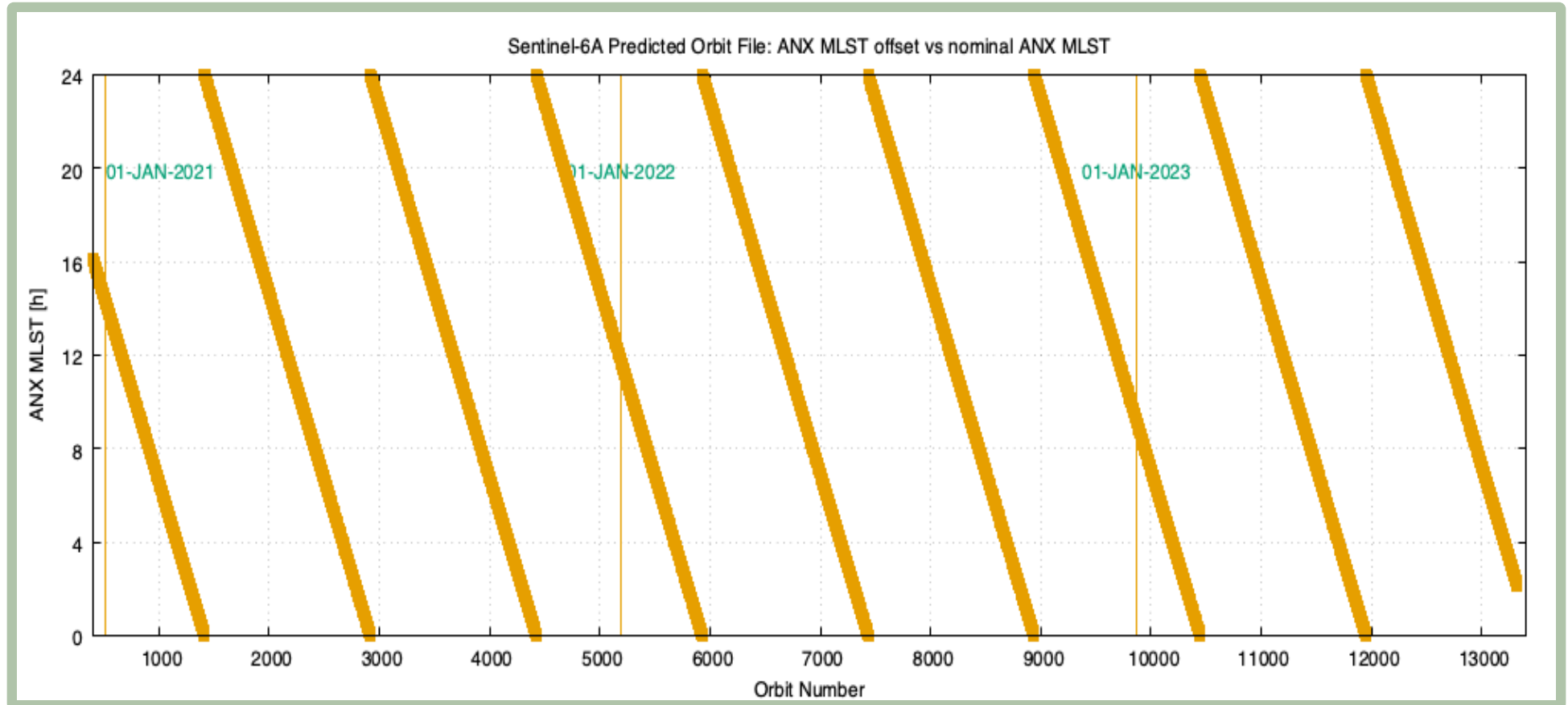
# Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



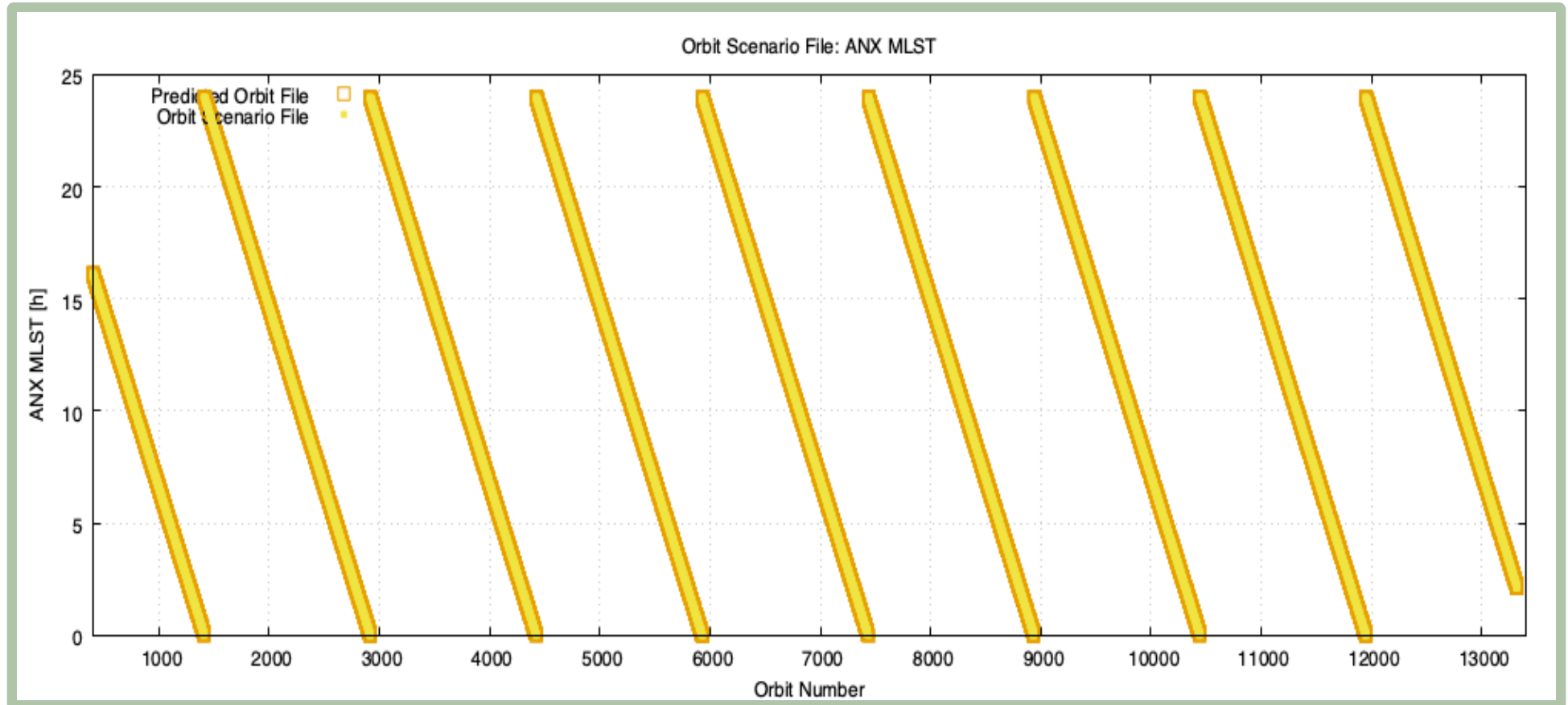
# Evolution of Mean Inclination (Predicted Orbit Files)



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



# Evolution of ANX Mean Local Solar Time (Orbit Scenario File vs Predicted Orbit Files)



# Long-Term Evolution of Mean Semi-major Axis (Orbit Scenario File): Nominal SMA vs Mean SMA

