

# SENTINEL6 Orbit Monitoring Report

## Orbit Scenario File vs Predicted Orbit File

Report Generation Date: 2020-12-27T09:10:32

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

### Orbit Scenario File

<b>Filename</b>	S6A_OPER_MPL_ORBSCT_20201121T182414_99999999T999999_0008_for_ESOVNG_SAMI_and_EOCFI_v4_15_and_be
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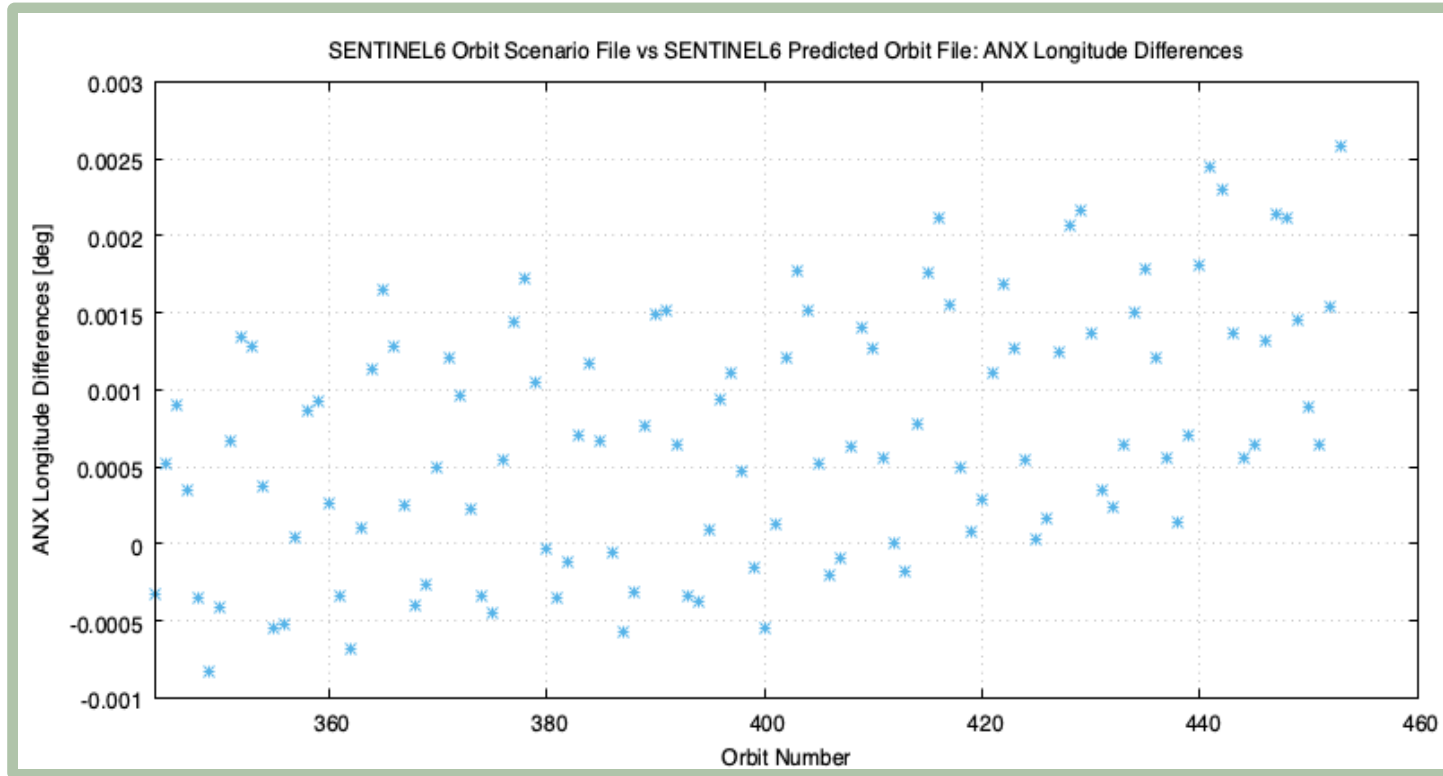
### Predicted Orbit File

<b>Filename</b>	S6A_xx_ORBITPREDI_20201122T000000_20201227T000000_20201227T000000_MOC__OPE.EOF
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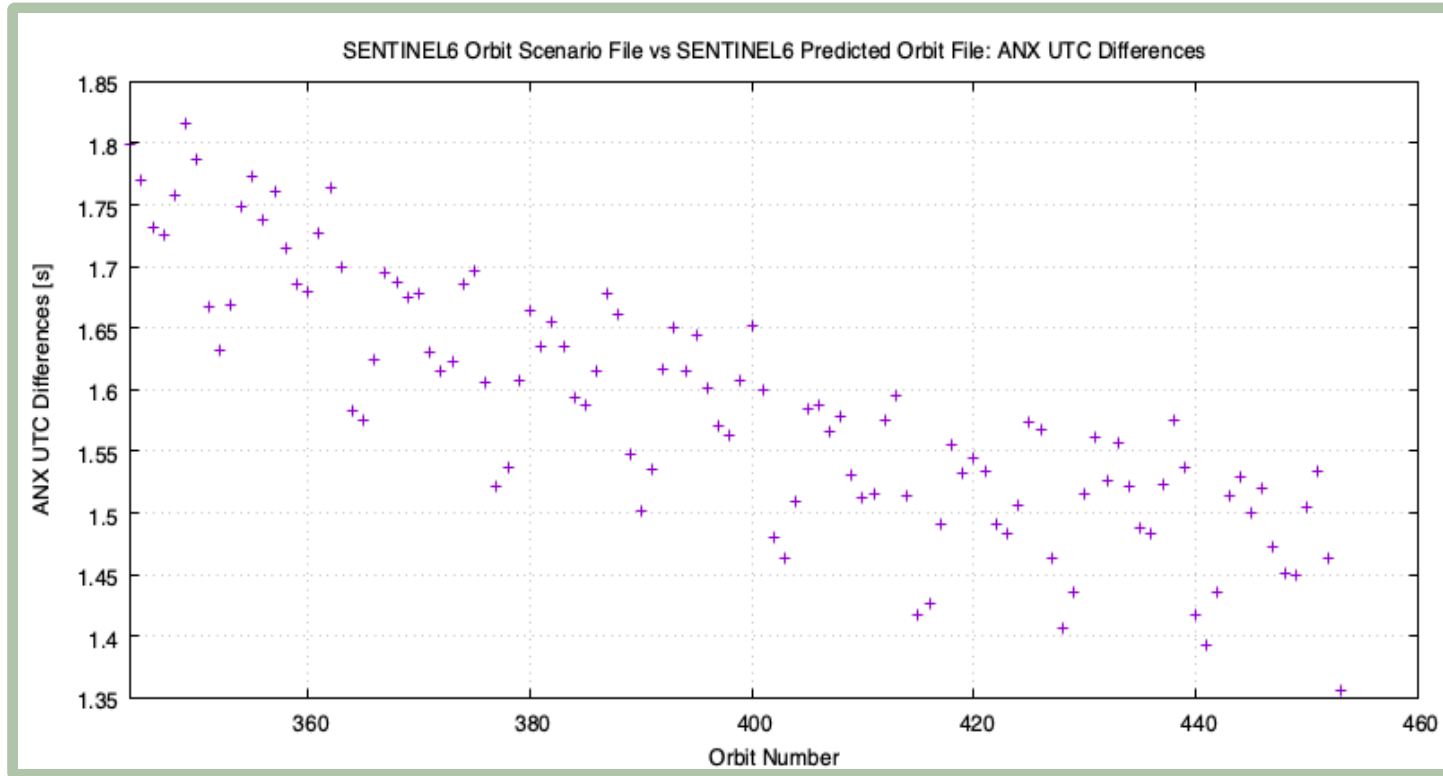
### Reported Time Interval

<b>Begin UTC Time</b>	2020-12-18T10:56:35.32844
<b>Begin Absolute Orbit</b>	344
<b>End UTC Time</b>	2020-12-26T23:11:23.604027
<b>End Absolute Orbit</b>	453

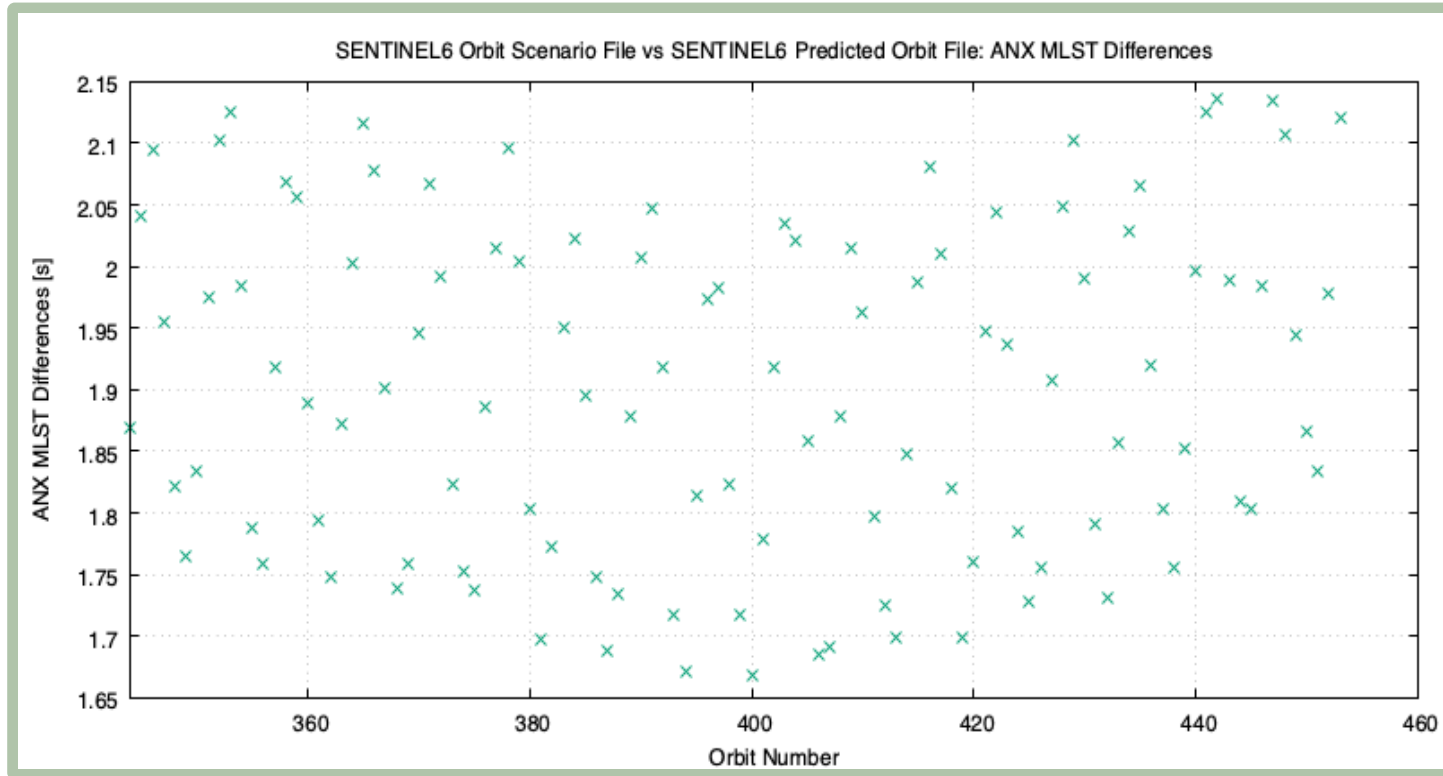
# Differences in ANX Longitude



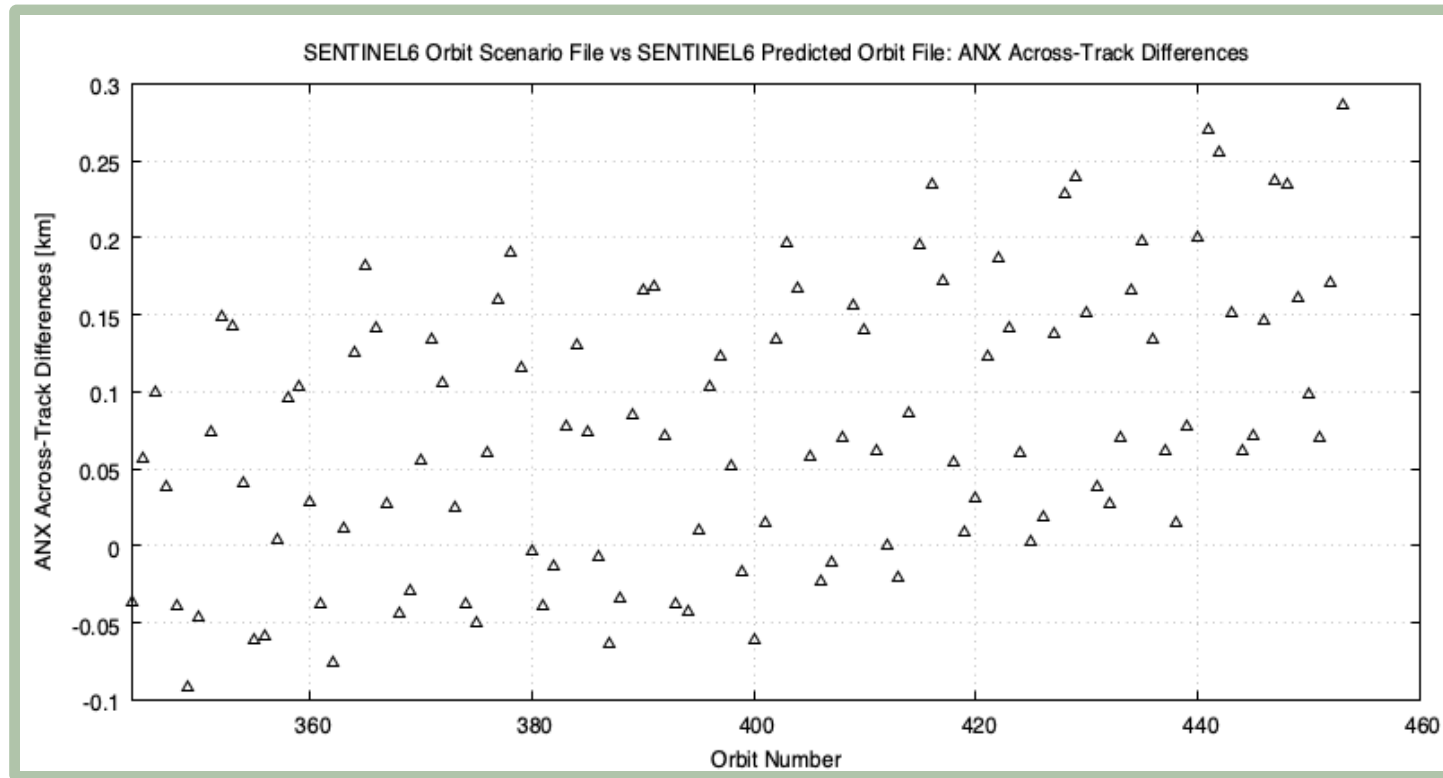
# Differences in ANX UTC Time



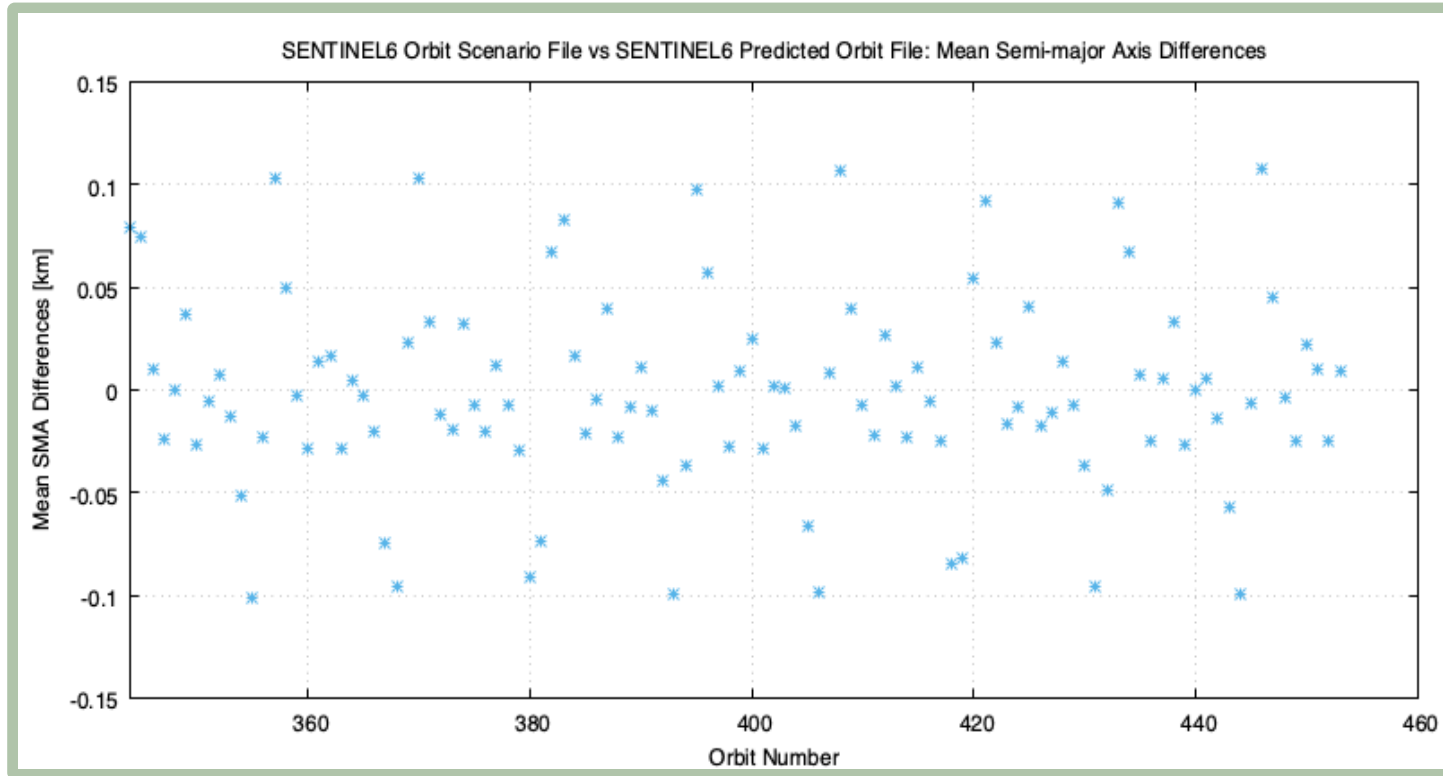
# Differences in ANX Mean Local Solar Time



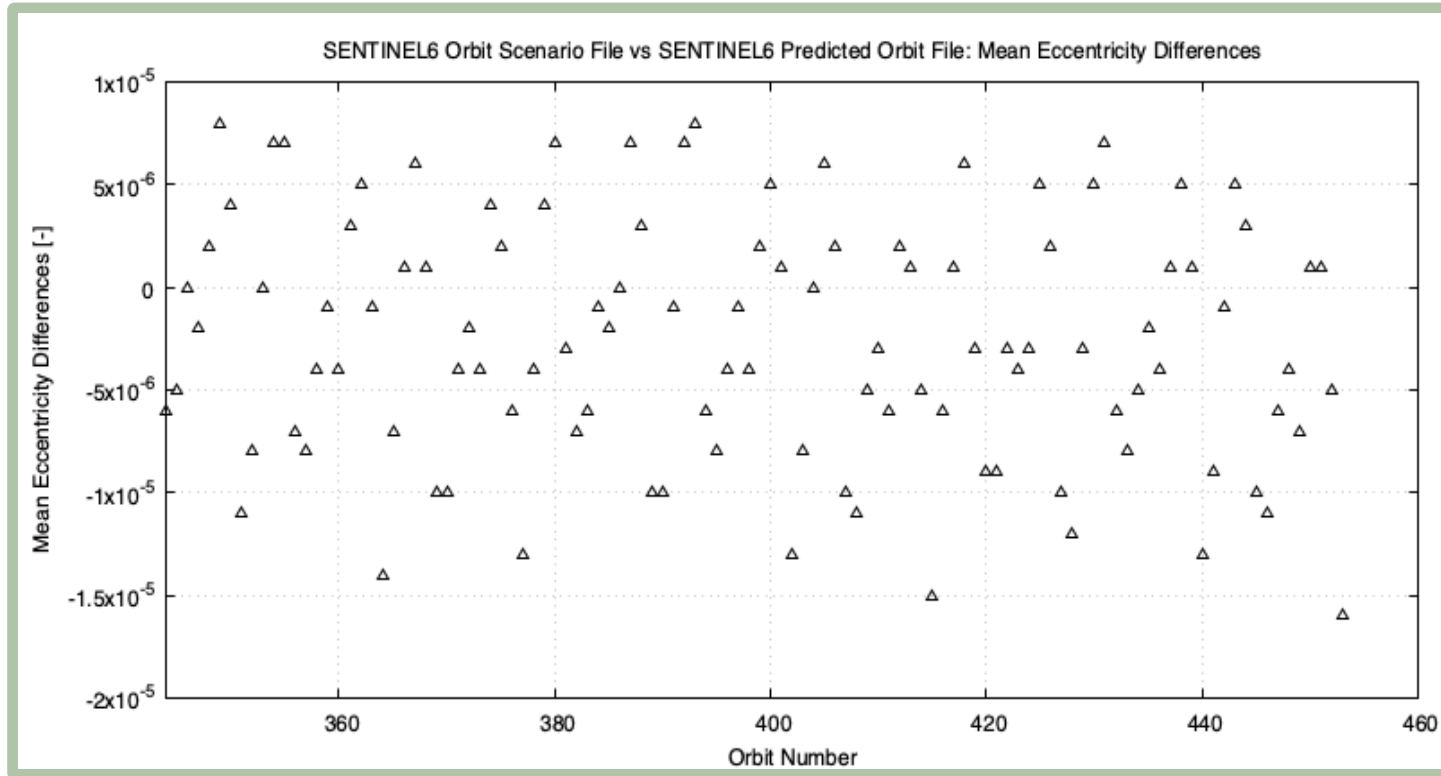
## Differences in ANX Across-track



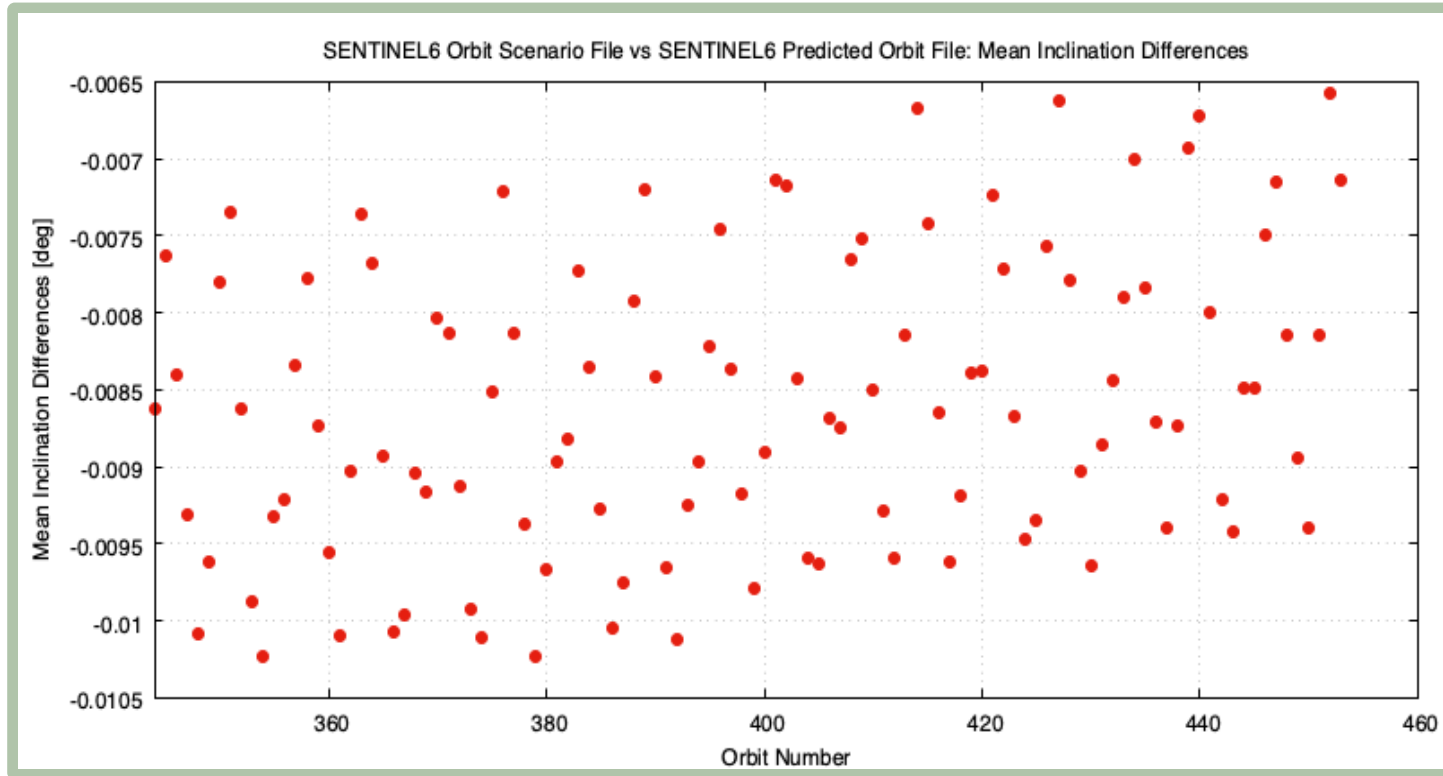
# Differences in Mean Semi-major Axis



# Differences in Eccentricity

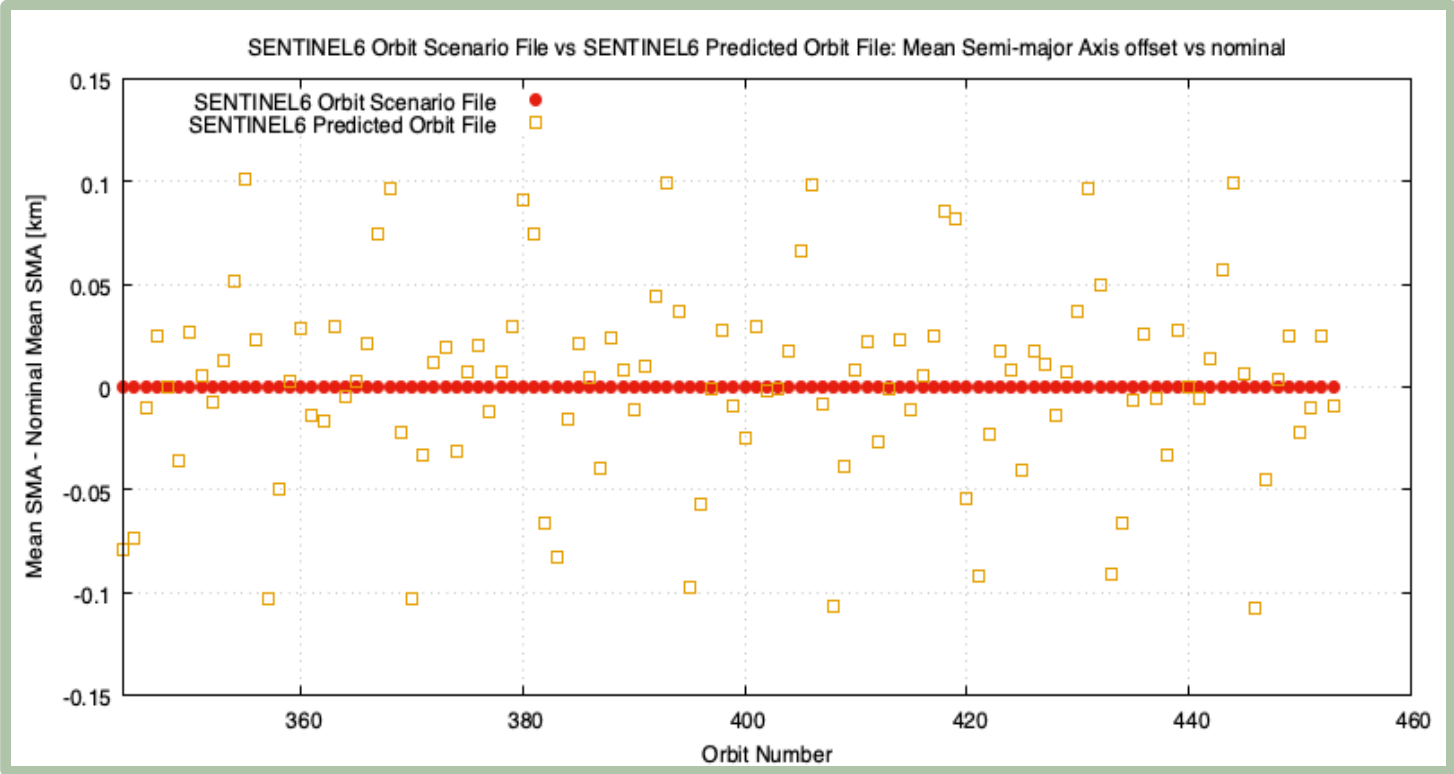


# Differences in Mean Inclination

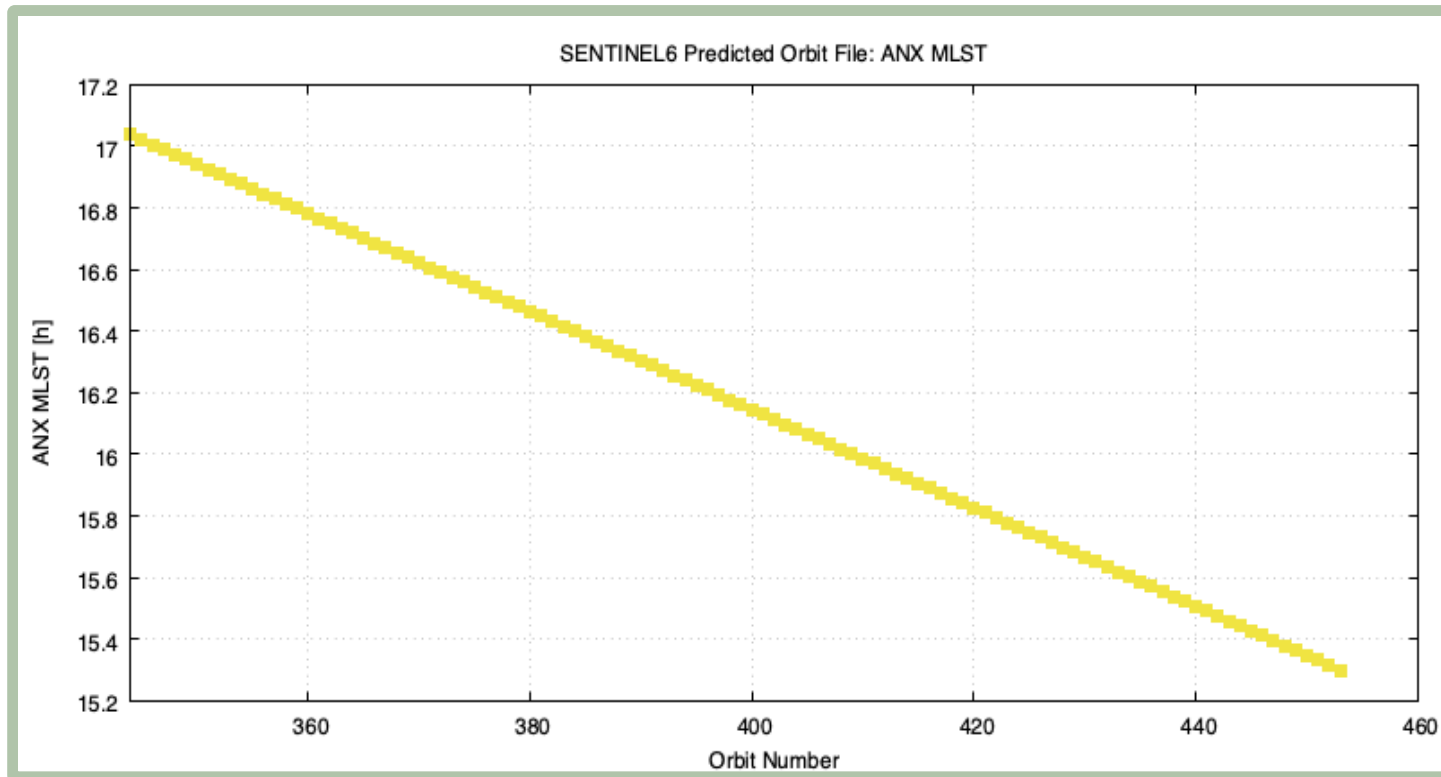




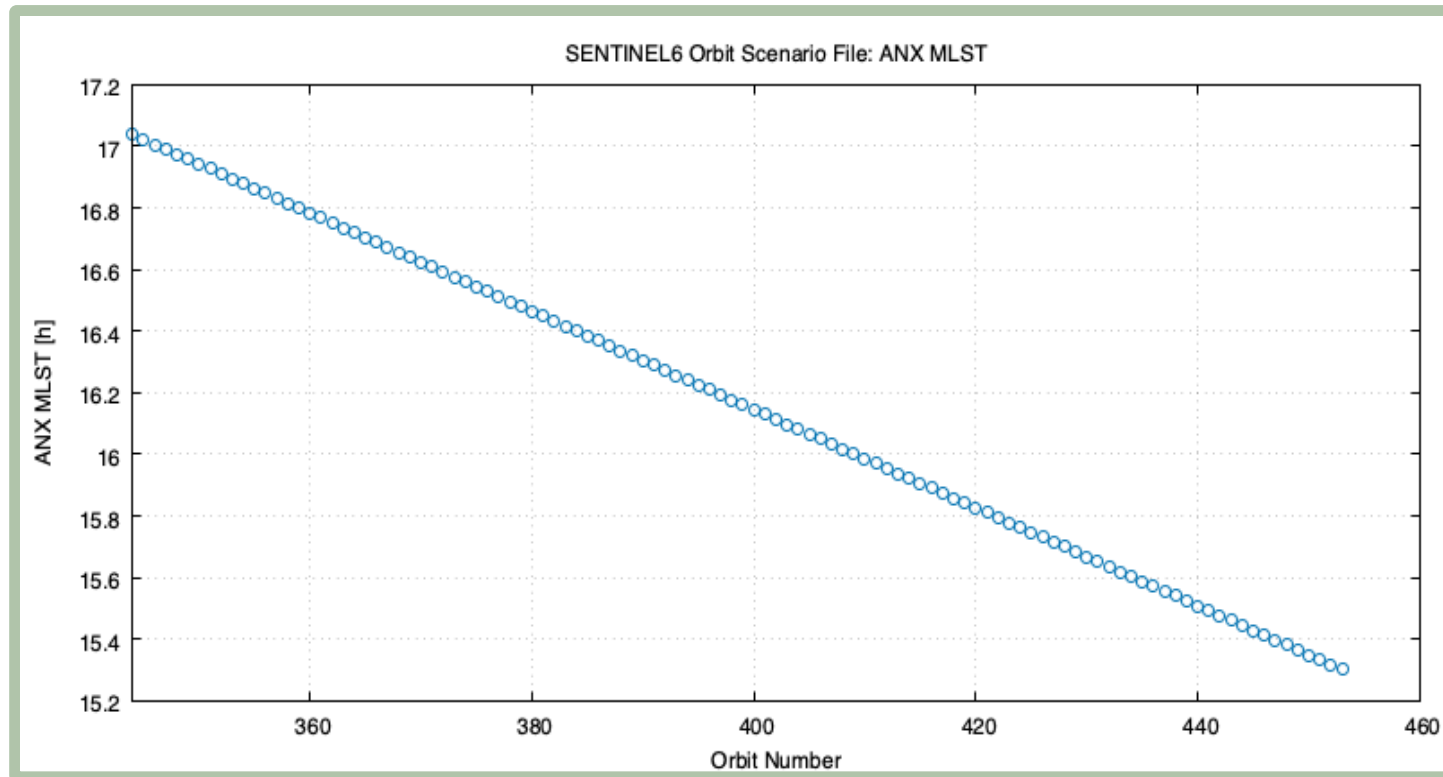
# Evolution of Mean Semi-major Axis: Offset vs Nominal SMA



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

