





Orbit & Swath Tools

Overview

Graphical Applications

ESOV

Earth Observation Swath and Orbit Visualization

SAMI

Satellite Missions 3D Visualization Software

Command Line Tools

ZoneOverPass

Satellite / Instrument overpass times over region of interest or ground site

TrajectoryOverPass

Instrument overpass times over a given time-tagged trajectory





ESOV Application

Overview

Application that allows the users to visualise satellite orbit and instrument swaths and calculate times of overpass over regions of interest for ESA Earth Observation missions, including EarthCARE

Available for: Windows, macOS Intel and Linux (all 64-bit)





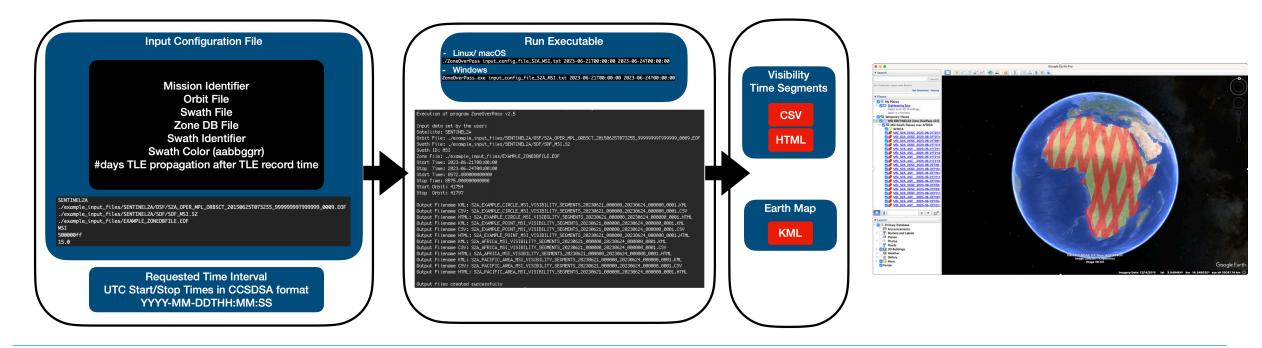


ZoneOverPass Tool

Overview

Command line executable that calculates the time when a satellite orbit ground-track or instrument swath passes over given region(s) or ground site(s) of interest.

Available for: Windows, macOS and Linux (all 64-bit)





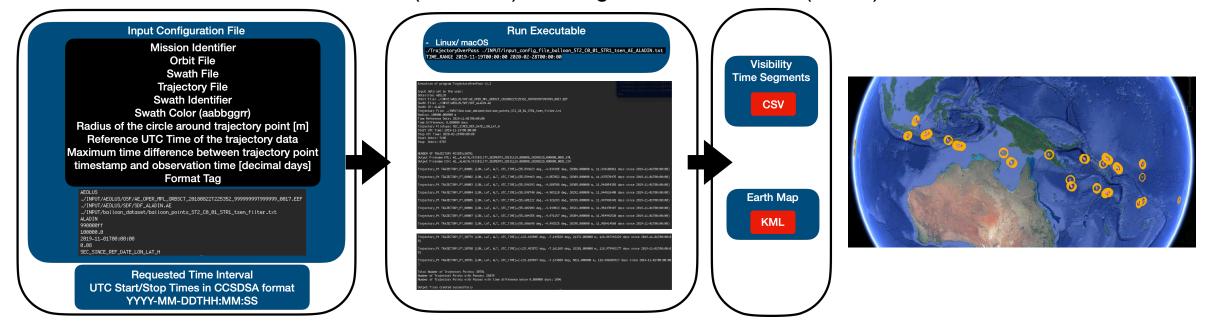


TrajectoryOverPass Tool

Overview

Command line executable that calculates the visibility passes of a given a satellite orbit ground-track or instrument swath over all trajectory positions. It is possible to exclude co-observations above a given time difference.

Available for: macOS and Linux (all 64-bit), coming soon in Windows (64-bit)





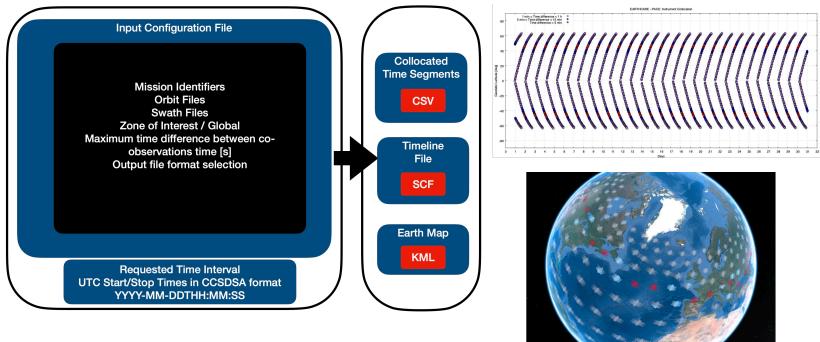


Coming Soon: Instrument Collocation Tool

Overview

Command line executable that calculates the collocated observations (in time and space) between two different satellite orbit ground-tracks or instrument swaths.

It will be available for: macOS, Windows and Linux (all 64-bit)







SAMI Application

Overview

Application that displays high-definition 2D and 3D scenarios of ESA Earth Observation satellites, including EarthCARE

Available for: Windows, macOS Intel, Linux (all 64-bit) and iPad







SAMI Application

Use Cases







Download and Support Links





ESOV

ZoneOverPass





SAMI

TrajectoryOverPass

