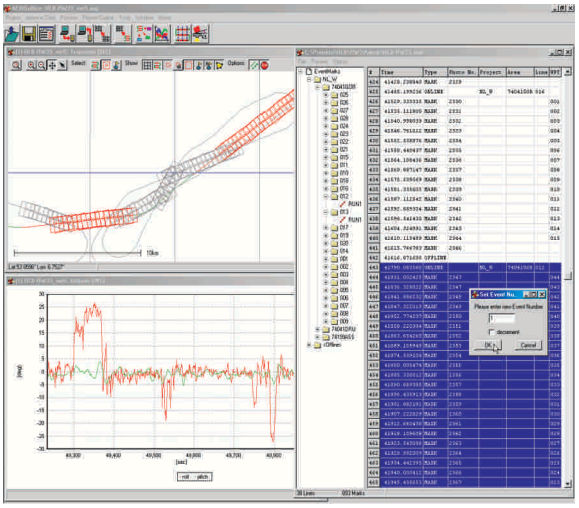
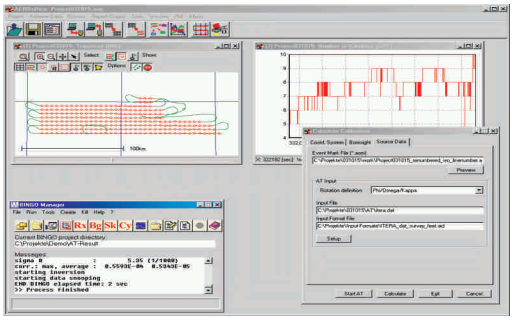
AERO office™

GPS / IMU Processing
Direct Georeferencing (DG)
Integrated Sensor Orientation (ISO)





AEROoffice is IGI`s data handling and post-processing software for the *AEROcontrol* system. It provides all functions and tools necessary for processing, Exterior Orientation (EO) calculation, quality control and export of the collected GPS and IMU data.

AEROoffice contains powerful tools to

- do a quick integrity check and provide a backup of the collected data directly after the flight mission.
- process GPS and IMU data.
- calculate the coordinate transformations to the local mapping systems.
- analyse the quality of the different data sources (GPS, IMU and aerial triangulation) and of the final results.
- correct the changing lever arm that occurs with the use of stabilized sensor mounts.
- export the results in different standard formats and to defined customized formats.

Features:

- Integrated powerful aerial triangulation (AT) package
- Forward / backward Kalman filter algorithm to achieve optimal results even under challenging conditions
- Complete integration of BINGO aerial triangulation package for Integrated Sensor Orientation (ISO) and boresight calibration for Direct Georeferencing (DG) without additional aerial triangulation software
- The simplified user interface allows to obtain optimal results for all users without extensive training and experience

IGI mbH
Langenauer Str. 46
57223 Kreuztal
Germany

P: +49 (0)2732 5525-0
F: +49 (0)2732 5525-25
E: info@igi-systems.com
W: www.igi-systems.com
www.litemapper.eu
www.streetmapper.eu