

CALIGEOPRO



FEATURES

- Radiometric correction
- Navigation data quality check and time stamping
- Support for most commonly used GNSS/IMU units
- Use of boresight calibration parameters
- Use of DTM/DSM for ground elevation
- Generation of Geometric Lookup Table (GLT) files
- Georeferencing of radiance data in CaliGeo PRO
- Georeference of analyzed data in ENVI using GLT files
- Boresight calibration

SUITED FOR -

CaliGeo PRO is for for radiometric correction of hyperspectral data processing of AISA and AFX series sensors. This data can be atmospherically corrected and analyzed using tools according to user's preference. CaliGeo PRO prepares GLT files used to georeference analyzed images.

DATA PROCESSING TOOL FOR AISA AND AFX SERIES

CaliGeo PRO is data processing tool used to radiometrically correct and georeference hyperspectral data acquired with Specim AISA and AFX series sensors. CaliGeo is a plug-in application for ENVI image analysis software commonly used for remote sensing applications.

Data processing with CaliGeo PRO is fast and straightforward using either interactive or batch processing mode. Data georeferencing process is automatic based on Specim's navigation data time stamping method. CaliGeo PRO includes also boresight calibration data processing tool.

Apply radiometric correction

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Check navigation data and time stamps
Apply Boresight Calibration parameters
Apply DTM/DSM (in case available)
Generate GLT (Geometric Lookup Table) file for Georeferencing

Optional step
Use ATCOR, FLAASH, QUAC or similar

Use tool (e.g. ENVI) of your preference
Use algorithm(s) of your preference
Apply GLT files in ENVI to Georeference and Mosaic Images

SYSTEM REQUIREMENTS

- Windows 64-bit OS
- ENVI from L3Harris Geospatial
- Atmospheric correction SW (optional, user supplied)
- Image analysis SW (user supplied)

