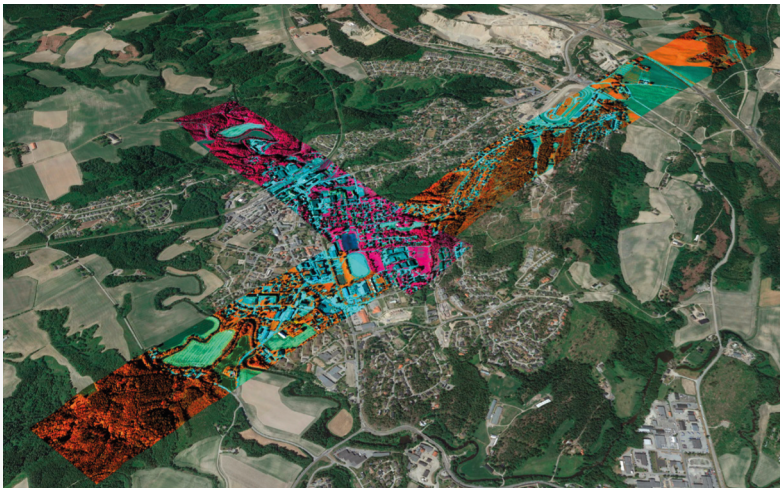


Orthorectification for Airborne Scanners

PARGE® is a direct geocoding and orthorectification software. It exactly reconstructs the scanning geometry for each image pixel using position and altitude of the airplane in conjunction with (optional) terrain elevation data. It is specially suited for the application with hyperspectral airborne line scanners.



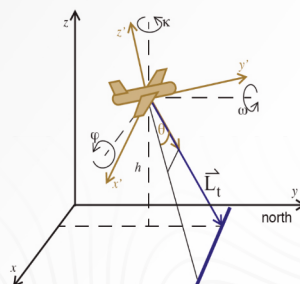
NEO Mjolnir boresight alignment experiment

Compatibility

- Consistent and open data structure optimized for airborne hyperspectral instruments,
- Support for NEO HYPSPX and Mjolnir, Specim AISA Fenix/AFX-10/AFX-17, Itres CASI/SASI/TASI, Resonon Pika, Corning Shark Headwall Hyperspec, and more,
- Operating system independent operation,
- Based on IDL technology and calculation outputs to ENVI formats (NV5 Inc.),
- Orthorectified mosaics or 3D point cloud outputs, and
- Oblique and horizontal view data processing.

Accuracy

- Sub-pixel accurate geometric calculation and DEM intersection,
- Automatic boresight alignment of sensor system based on ground reference data,
- Optimized choice of resampling techniques.

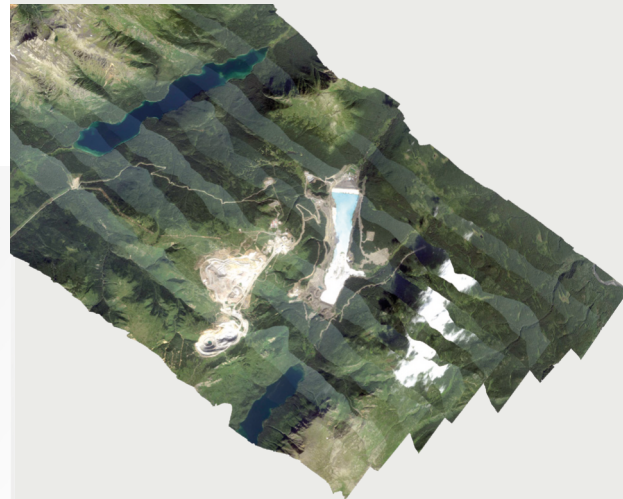


Scan Geometry



FLEXIBILITY

- Sophisticated graphical user interface for all functions with integrated on-line help system,
- Side output of pixel scan geometry for BRDF research and atmospheric correction,
- Tools for parameter filtering and correction,
- Support for complete directory based batch processing.



Hyvasta large scale fully automatic boresighting processing and mosaicking solution (Hyvasta Corp. Australia)

SUPPORT AND CUSTOMIZATION

- Introduction of user specified sensors and data format is supported upon request,
- Detailed user manual includes full description of functionality, procedures, and internal data format.

TECHNICAL CONDITIONS

- Windows, Linux, or Mac OS X,
- RAM: min. 16 GB allocated to IDL,
- ENVI™ license recommended, but not a condition.