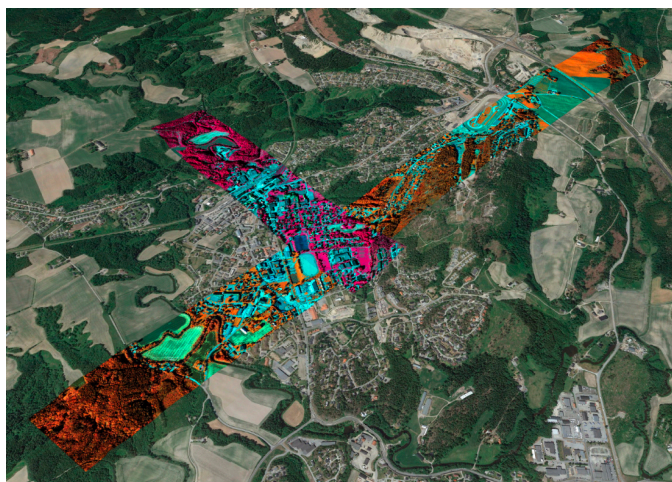


# PARGE®

## 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.

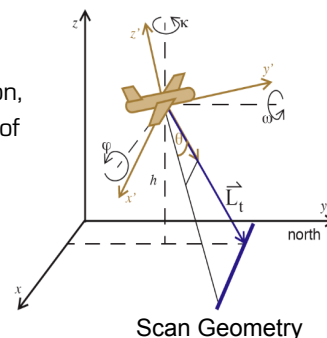
It is specially suited for the application with hyperspectral airborne line scanner instruments.



NEO Mjolnir boresight alignment experimenty

### 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.



### Support and Customization

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

### Technical Conditions

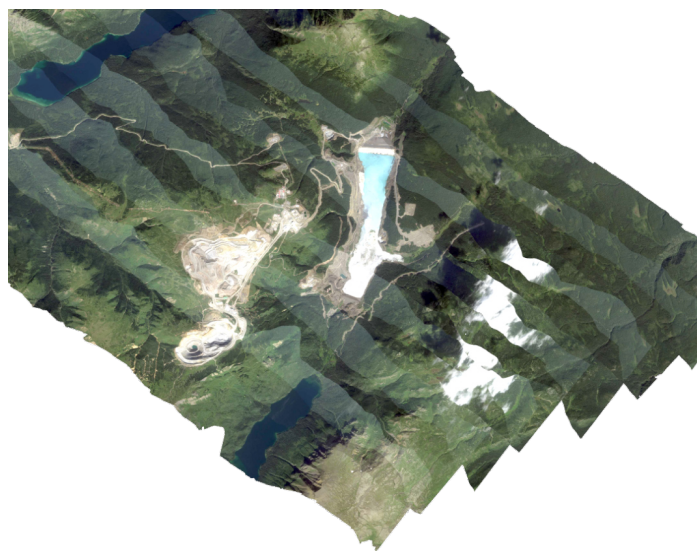
- Windows (64bit required), Linux, or MacOSX,
- RAM: min. 8GB allocated to IDL,
- ENVI™ license recommended, but not a condition.

### Compatibility

- Consistent and open data structure optimized for airborne hyperspectral instruments,
- Support for NEO HYSPEX and Mjolnir, Specim AISA Fenix/AFX-10/AFX-17, Itres CASI/SASI/TASI, Hyvista HyMap, Resonon Pika, Corning Shark, Headwall Hyperspec, and more,
- Import filters for auxiliary data and DEM, including ENVI™ and PCI Geomatica,
- Operating system independent operation,
- Based on IDL technology and calculation outputs to ENVI™ formats (Harris Inc.)

### 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 batch processing through IDL scripts.



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