

Getting Results with Geomatica10

Duration: 2 days

Prerequisite: Experience using a previous version of Geomatica

The improvements to Geomatica 10 are a direct result of feedback from our customers. Photogrammetry highlights include better tools for accuracy estimation and blunder detection, improved DEM editing tools, greater mosaicking flexibility in color balancing and cutline selection, and improved rational functions support for satellite imagery. Significant changes to Modeler include the varying of parameter sets in batch processing, along with several useful file management algorithms. Other improvements include an expanded list of supported file formats and more flexible cartographic tools.

DAY 1

OrthoEngine Improvements

- Unreferenced image mosaic
- Plotting Vector residuals
- Rational functions processing options
- Importing and exporting tie points
- Improved DEM editing
- Excluding areas from color balancing
- Reference image selection for color balancing
- Mosaic previews
- Airphoto project – exterior orientation editing panel and exterior orientation residual reporting
- Using Modeler to batch process specific OrthoEngine tasks (Automatic Image registration, GCP/tie point refinement, ortho generation and automatic mosaicking)
- Examining new supported sensors

DAY 2

Focus Improvements

- Direct support of OrthoEngine math models
- Z-value transfer tool to add the Z coordinate to the Attribute Table or vice versa
- Rotated raster support
- Charting data
- Using cartographic improvements: vector and thematic raster labeling, symbols, paragraph tool, surrounds and quickstyles and exporting maps
- Z-datum support, convert vector and/or DEM elevation reference

Modeler Improvements

- Batch processing
- Using new modules including: Accumulate, Release, Typesplit, Typemerge and Viewer
- Clipping/subsetting data
- Reprojecting data

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