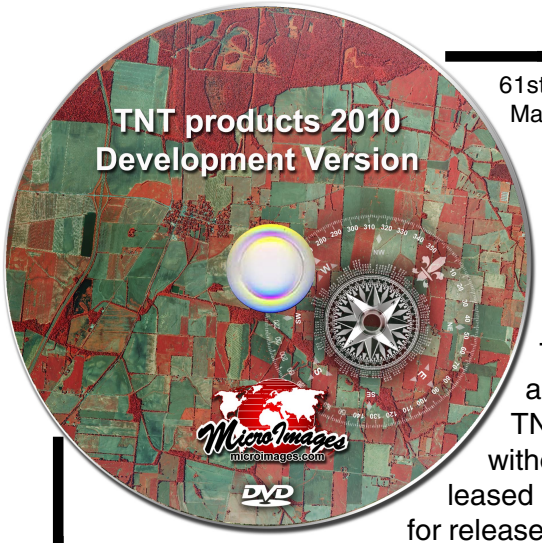

61st Release
March 2010

New Features in TNTmips DV2010

The following is a sneak preview of the many new features that are already available for your use in the 2010 development version of TNTmips. Any client using TNT 2009 can also download and install without cost a separate copy of TNTmips DV2010 until it is officially released next year. The features listed here are about 50% of those planned for release in DV2010 but are available now for testing and application to your projects.

TNTmips DV2010 already provides many new standard capabilities to help you simply and easily publish your project results without the use of any special server. Thesse new tools prepare your materials for copying to a web site for immediate use as mashups in Google Maps, Google Earth, Microsoft's Bing Maps, and NASA's World Wind. Your small or very large project materials perform very fast in these mashups since they are prepared in TNTmips in each of these application's native tileset structure.

Technical Guides and other materials providing details about these and other new capabilities are being published as they become available as MicroImages NEWS at www.microimages.com.

Publish Google Maps Mashups

(support for Bing Maps mashups coming soon)

- new TNTmips Publish Web Tilesets process
  (no special web service required)
- creates complete HTML/JavaScript web page
- instant preview in your browser at any time
- choose Google Maps standard layers as base maps or overlays
- add other tilesets as multiple base maps or overlays
  Google Maps Tile Overlays
  Microsoft Bing Maps *[pending]*
  NASA World Wind cache maps *[pending]*
- add KML graphic overlays
- select local or Internet tilesets
- save/load mashup as template *[pending]*
- add Google Maps gadgets
  (layer transparency, zoom box, address lookup, ...)
- zip entire mashup as ready-to-go web page *[pending]*
  (packages mashup, tilesets, KML, gadgets, …)
  (unzips ready-to-go on local or rented web site)

Create Microsoft Bing Maps Custom Tileset

(this is Bing Maps' native tileset structure)

- mosaic directly into this tileset
- directly create and merge these tilesets

Add Bing Maps Custom Tile Layers to View

(formerly Virtual Earth)

- add as local or Internet tilesets
  [licensing prevents use of Bing's own map tiles outside of a browser]

MicroImages
microimages.com

Create NASA's World Wind Cache Tileset

(this is World Wind's native tileset)

- mosaic directly into this tileset
- directly create and merge these tilesets

Add World Wind Tilesets to View

- add as local or Internet tilesets

Add Google Tilesets to View

- add as local or Internet tilesets
- select/add Google Maps Tile Overlays
- select/add Google Earth Super-Overlays

[licensing prevents use of Google's own map tiles outside of a browser]

Add OpenStreetMap Tilesets to View

[www.openstreetmap.org]

- overlay street map on any view and location
- choose from Mapnik, Osmarender, or Cycle Map layers
- set transparency level *[pending]*
- set map features to be transparent *[pending]*

Create Tilesets

- convert large orthoimage to tileset
- input gray scale, composite, or multiband image
- output to Google Maps for browser or iPhone
- output to TNT and Google Earth
- output to Microsoft's Bing Maps and NASA's World Wind
- use Job Processing to do many in parallel

Merge Tilesets

- efficiently build a very large tileset
- combine Google Maps Tile Overlays
- combine Google Earth's Super-Overlays
- combine Microsoft's Bing Maps Custom Tile Layers
- combine NASA's World Wind Cache Tiles
- maintain different resolutions of inputs

Reclassify Points in LIDAR LAS File

- select points by any TNT selection method
  (by interactive tools, by query, by current class,...)
- select points from layer in 2D or profile view
- assign new class from class menu

Job Processing

- schedule jobs to repeat in background
- run scripts repetitively to update results

Geocatalogs

- update catalogs automatically
- include geocoded photographs (JPEG with EXIF)
- include GeoPDF and tilesets *[pending]*

Participatory Mapping

- log geolocation points and comments

SML

- create LAS file or change records