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Subject: Re: Band+Lat+Lon = georeferenced file?

Posted by [David Fanning](#) on Mon, 23 Feb 2009 23:45:42 GMT

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Liam writes:

- > If you are working with MODIS Level 1B data, then MRTSwath is a good
- > solution:
- >
- > <http://igskmncnwb001.cr.usgs.gov/landdaac/tools/mrtswath/>
- >
- > MRTSwath will resample MODIS Level 1B data to a variety of standard
- > map projections, and store the result in a GeoTIFF file.
- >
- > If you are working with other polar orbiter (e.g., AVHRR) or
- > geostationary image data, then I don't know of a freely available
- > solution.

The HDFEOS-to-GeoTiff Conversion Tool (HEG) is another piece of software (which conveniently also runs on Windows computers) that also does these kinds of conversions.

At NSIDC, we typically run ms2gt, the MODIS Swath to Grid Toolbox to do these kinds of conversions:

<http://nsidc.org/data/modis/ms2gt/>

We like this tool because it can use weighted elliptical averaging when doing the re-gridding. This eliminates some of the re-gridding artifacts you sometimes see in other methods. This is available only on UNIX computers and, alas, the documentation of this product is somewhat out of date. You might need some help getting it set up.

Cheers,

David

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