
Subject: Re: weird behavior of Triangulate

Posted by [Yngvar Larsen](#) on Thu, 06 Sep 2012 14:06:10 GMT

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On Saturday, 1 September 2012 16:45:46 UTC+2, David Fanning wrote:

- > My conclusion is that if you need things regridded (and
- > if you work with satellite images, this is **always**
- > required, eventually), you will have to use something other
- > than IDL to do the job.

Could you elaborate a bit on that conclusion?

I work in an institute where IDL has been used as the main tool for analysis of remote sensing data for nearly 3 decades, so this statement puzzles me...

I can only think of the following issues:

* IDL didn't have support for map projections until version 5.6 or so. Before that, we wrapped the PROJ.4 library to do the job. But the MAP_PROJ_* functionality has now been available for almost a decade (with some inherent problems that are possible to work around).

* Satellite data are large, so GRIDDATA might not work too well if you operate directly on the entire data set. Solution: divide-and-conquer. Divide your output grid in blocks, and process separately. Should normally be possible to make an efficient solution based on GRIDDATA and/or INTERPOLATE.

But I have a feeling you have something else in mind?

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Yngvar
