Subject: Re: Gridding-Interpolation of satellite data
Posted by mmccabe on Mon, 23 Feb 2004 20:43:12 GMT
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Ben Tupper <btupper@bigelow.org> wrote in message
news:<c1d1ad$1e5jka$1@ID-189398.news.uni-berlin.de>...

> I think you want to look into the FAULT_POLYGONS and FAULT_XY keywords.
> You should be getting rid of the missing data, before using
> GRIDDATA, by using the GRID_INPUT routine with the EXCLUDE keyword set
> to the indices of you NODATA values.
>
> Ben

Thanks guys (although MISSING wasn't my only problem). GRID_INPUT certainly assisted, but the trick (as you suggested) was just to get rid of the missing data completely before doing the triangulation, using a simple search. I was able to get rid of most of the 'edge' effects using combinations of SEARCH_ELLIPSE, SECTOR and EMPTY_SECTORS. The result wasn't too bad. I wanted to affect the data as little as possible - so limiting the amount of interpolation was a priority.

Thanks to Dan Bergman for a funky little bit of code from way back in 1994!!! that I found in a posting. This is an intuitive (in that I can actually read and understand what it is doing) approach to interpolation - allowed me to customise for my own particular needs.

Cheers,
Matt