
Subject: Re: The best way to bin data to a grid? (may not be an IDL-specific question)

Posted by [Jasdeep Anand](#) on Mon, 12 Dec 2011 13:13:19 GMT

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On Dec 12, 12:08 pm, Fabzou <fabien.mauss...@tu-berlin.de> wrote:

>> I've noticed from the few examples I've seen from the web that both
>> TRIGRID and GRIDDATA can be used for this problem. How do both
>> routines differ from each other, and when should either one be used?
>
> Again, I am not the expert here, somebody might jump in to add some
> info, but GRIDDATA has more interpolation options than TRIGRID does.
>
> The choice of the interpolation scheme is highly dependent of the type
> of data you are willing to interpolate and their own spatial validity.
> What kind of data do you want to interpolate?

Fabozu,

I'm currently investigating pollution trends (namely NO2) over large areas using data from the OMI (AURA) instrument. The pixels at nadir have a size of 13 x 24 km, but I want to regrid those to a much higher resolution. I would ideally like an uninterrupted dataset without missing pixels so I can do a Fourier analysis around certain latitude bands, which is why I'm looking to interpolate them in the first place.
