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Subject: Re: Interpolation on a sphere

Posted by [Kenneth P. Bowman](#) on Mon, 19 Jan 2004 21:13:28 GMT

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In article <bugttk\$qp8\$1@houston.jhuapl.edu>,  
"Haje Korth" <haje.korth@jhuapl.edu> wrote:

Are you sure it's not either a case of too few points or of real  
features of the data?

You could try a least-squares fit to spherical harmonics (truncating  
appropriately) and then reconstruct a gridded field from the spherical  
harmonics.

Ken Bowman

> Now, my problem is that no matter what interpolation method I use, I obtain  
> ARTIFACTS (e.g., saw teeth, see attached picture) in the gridded output.  
> Does anyone know how get a decent interpolated data set? Am I using the  
> right key words? Or should I attempt a completely different approach? Any  
> help is appreciated.  
>  
> Thanks,  
> Haje

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