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Subject: Spherical gridding

Posted by [Elias J. Hunter](#) on Wed, 18 Jun 2003 17:42:08 GMT

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Hello,

I have a matrix of surface pressure north of 60N, that is currently on a gaussian lat-lon grid. My goal is to interpolate this grid to a one degree by one degree lat-lon grid. Now when I attempt this using sph\_sct, the field south of 75 degrees lat looks good, the grid north of 75 degrees lat is a mess.

My guess is that the longitudinal resolution north of 75 degrees on the new grid is so fine relative to the old grid, its creating a problem. I suppose it could also be because I'm getting closer to the singularity at the pole.

Has anybody addressed a similar difficulty using sph\_scat?

Thanks,  
Eli

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