I am using "griddata", which has been included with IDL since version 5.5.
It is much more powerful than sph_sct.

Haje

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"Elias J. Hunter" <hunter@imcs.rutgers.edu> wrote in message
news:3EF0A470.1080008@imcs.rutgers.edu...
> 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 becasue I'm getting closer to the singularity
> at the pole.
>
> Has anybody addressed a similar difficulty using sph_scat?
>
> Thanks,
> Eli
>