Subject: Re: GRIDDATA woes
Posted by Kenneth Bowman on Wed, 05 Mar 2008 16:05:10 GMT
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In article <MPG.223862e4a9bdefba98a2b0@news.frii.com>, David Fanning <news@dfanning.com> wrote:

- > In the code, lat is a 48-element vector that is irregularly
- > spaced, lon is a 96-element vector, that is regularly
- > spaced, except for the two end members, and sit is the
- > 2D array I wish to resample. In this code, I am trying to
- > resample to a 360x180 array, to make it consistent with other
- > arrays I have available to me.

> nx = 360 > ny = 180 > slon = Scale_Vector(Findgen(nx), 0.5, 359.5) > slat = Scale_Vector(Findgen(ny), Min(lat), Max(lat)) > x = Interpol(Findgen(N_Elements(lon)), lon, slon) > y = Interpol(Findgen(N_Elements(lat)), lat, slat)

> xx = Rebin(x, nx, ny, /SAMPLE)
> yy = Rebin(Reform(y, 1, ny), nx, ny)

Usually these grids are (360 x 181), with longitudes from [0, 359] and latitudes from [-90, 90], but you may have specific reasons for wanting your particular set of lats and lons.

Ken