Subject: Re: GRIDDATA woes
Posted by pgrigis on Tue, 04 Mar 2008 22:39:31 GMT
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David Fanning wrote:
> Kenneth P. Bowman writes:
>
>>> Compute the "interpolation coordinates" from the original grid

>>> yj = j + (y - y_original[j])/(y_original[j+1] - y_original[j])
>
> To tell you the truth, I can't get this to work at all. :-(
>
> IDL> lat = [-87.5, 50, 25, 0, 30, 45, 64, 87.5]
> IDL> y = Scale_Vector(findgen(7), -87.5, 87.5)
> IDL> j = Value_Locate(lat, y)
> IDL> yj = j + (y - lat[j])/(lat[j+1] - lat[j])
> % Program caused arithmetic error: Floating illegal operand
> IDL> print, yj
> 0.000000 0.212121 0.424242 3.00000 3.97222 5.70175 -NaN
Try:

IDL> print,interpol(findgen(8),lat,y)
 0.00000 0.212121 0.424242 3.00000 3.97222
5.70175 7.00000

Cheers,
Paolo

>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")