Subject: contouring irregular sparse data on a sphere
Posted by sarah.arnup on Thu, 09 Mar 2006 08:02:58 GMT
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Hello all,

I am trying to contour an irregularly spaced variable (data) that contains a number of missing values (NaN).

It is a 1-D array, and I also have the corresponding lat and lon 1-D arrays.

When I try:
contour, data,lon,lat, /irr
I see many disjointed sections. I would like these to be continuous.

I am using version IDL Version 6.0.

I have tried: min_curve_surf; and triangulate+trigrid on a sphere; but each function provides me with an array of NaN. Can these routines work with arrays containing many NaN values? Does anyone know of a spherical interpolation routine that can cope with NaN?

Curiously min_curve_surf doesn't recognise the /sphere keyword with my version of IDL. I find this strange.

Thanks, Sarah