Subject: Re: problem set
Posted by f055 on Tue, 13 Jan 1998 08:00:00 GMT
View Forum Message <> Reply to Message

In article <34BA75F2.41C6@io.harvard.edu>, Martin Schultz <mgs@io.harvard.edu> writes:
-(1) The contours are artificially closed near the boundaries of the
-plot, producing vertical lines which distract the reader,

You could try adding missing=!values.f_nan as an additional parameter in your call to the trigrid function. It should set the values around the edges and outside the region of data coverage to the NaN missing code rather than to the default of zero. They then won't be contoured. In fact, the lines will stop short of the edges - something that you may not want either! But, having set them to NaN during the gridding phase, you could then apply some smoothing to the gridded field (taking into account the fact that you have some NaN values - e.g. with

smoothfactor=3 ;(the higher the value, the greater the smoothing)
fdsmooth=smooth(fd,smoothfactor,/nan,/edge_truncate)

which will infill some of the missing regions with nearby/adjacent non-missing values (and will, of course, also smooth the field).

Hope that's of some help

Tim

..... Dr Tim Osborn . t.osborn@uea.ac.uk
.... ___/.. __ /.. /.. /. Senior Research Associate . phone:01603 592089
... /..... /. /.. /.. /.. Climatic Research Unit . fax: 01603 507784
.. /..... __/.. /.. /... School of Environmental Sciences.
. /..... /\ ... /.. /.... University of East Anglia .
____/.._/.._.._____/..... Norwich NR4 7TJ .
..... UK .