
Subject: Re: contour boundaries

Posted by [Med Bennett](#) on Thu, 21 Jun 2001 21:05:23 GMT

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Remy Luerssen wrote:

> I am having troubles with a contouring program in IDL. I have gridded in situ
> measurements taken from stations throughout the Gulf of Maine. I am contouring
> the data over a map of the Gulf of Maine. In order to take into consideration
> where the land is, the gridded in situ data was changed to NaN where there was
> land. The problem that I am having is that the contouring program is not
> recognizing the boundaries of the dataset. There are contouring lines going
> through the land, eventhough the data its self are NaNs. But the kicker is
> that there is a data boundary that does not border the coast (the stations end
> but not due to land construct) that is recognized. The contour lines stop
> like they should. Any ideas what is going on?
>
> I would appreciate any suggestions!
>
> Thanks,
>
> Remy

Hi Remy,

Is your coastline concave towards land? You may have to use the MIN_VALUE keyword
- I usually force areas that I don't want contoured as 0, or -999, or something
else that is below the data range, and use the min_value = 0 keyword. I don't know
if using NaNs really works or would work wth the min_value keyword.
