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Subject: iMap & contouring question

Posted by [optiksguy](#) on Sun, 27 Nov 2005 00:52:39 GMT

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I know many of you don't use iMap, but I figure I'll ask anyway in the hope that this is a known problem that I am not aware of:

I would like to make contour plots on a map background. Specifically, I am using the Robinson projection, and an array of about 90,000 data points and each data point has a degree latitude and longitude to go along with it. Many times, using the appropriate iMap keywords and what not, there is no problem. However, I run into problem when I try to make a contour where I have removed points in the Southern Hemisphere that are high due to the South Atlantic Anomaly. The projection with the contour overplotted opens up fine, but when I try to increase the number of levels or change the color, etc, IDL freezes. I'm guessing it has something to do with the fact that there are all those points missing (alternatively, I can set those points equal to zero, but IDL still locks up).

I've tried searching this newsgroup and online but haven't found anything that seems to relate to my problem. I'd would greatly appreciate ANY guidance or assistance anyone could provide. If you would like me to further clarify what I am trying to do please do not hesitate to ask.

Thanks in advance,

John

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