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Subject: Filling in the Gaps (contour mapping)

Posted by [Simon de Vet](#) on Thu, 11 May 2000 07:00:00 GMT

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I am a new user to IDL (day 4 and having fun, now that I have some stuff working), so please forgive me if this is an obvious question.

I have data that I am contour plotting onto a world map. The data is spaced every 3.75 degrees in latitude and longitude. The longitude starts at 0 and ends at 356.25. Latitude runs from -88.125 to 88.125.

When plotted, the vast majority looks great. However, at the seam running through 0 longitude, the two edges are not connected. While it is less obvious, I assume that a similar problem is occurring at the poles. The poles are not much of a concern, since the top 10 degrees are cut off in a Mercator projection anyways...

Since the data does not connect, I cannot use a filled contour plot, which is one of my goals.

Any suggestions? Is there an easy way to do this, or will I have to have the first longitudinal values repeated at the end of the list? It seems that IDL is not recognizing that 0 degrees and 360 degrees are the same thing.

Thanks!

Simon

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