
Subject: POLAR_CONTOUR plot giving strange values for contour lines

Posted by [robintw](#) on Wed, 17 Jun 2009 15:51:26 GMT

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Hi,

I'm trying to use the POLAR_CONTOUR command to plot a contour plot using polar co-ordinates. I have three vectors: azimuths (which are plotted as theta), zeniths (which are plotted as the radius) and DNs, which are plotted as z.

The values in my DNs array are in the low hundreds (in fact, they are quite close together around 105), but the contour plot which is produced has contours for 600, 400 and 200! I can't seem to work out why this is happening.

In case it is useful, the way I'm laying out my arrays are as follows:

Azimuth DN Zenith

0 x 1

0 x 2

0 x 3

0 x 4

30 x 1

30 x 2

30 x 3

30 x 4

... ..

(The x's just represent whatever the values are for the DN at that point, it would have taken a long time to type them into this post). Is that the correct way to put this data in the array? If not, could that be what's causing the problem and giving me the strange values? What should I do to fix it?

Thanks in advance,

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