
Subject: Confusions with map_image!

Posted by [hethomas](#) on Fri, 12 Jun 2009 09:19:58 GMT

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Having spend the last couple of weeks trying to figure this out, I gather this isn't an uncommon problem, but hope that someone might be able to clarify -

I have taken some global satellite data, and rebinned this into 0.25x0.25 degree pixels. Now I want to plot my data as an image for display. The data was originally in the format lat, long, data, but I formed data into a grid of 1440 x 720 in order to plot.

The issue I am having is that there appears to be so many variables regarding the use of MAP_IMAGE, which seem to change my values significantly that I am not unsure what the "right" answer is! For example, the maximum value in my original grid could be 50, yet after using MAP_IMAGE this is reduced to say 35. The main factor which seems to affect this is the window size - I have set this to xsize=1453, ysize=749 in order to have a resulting image size of x=1440, y=720, but the values (although close) are still different.

If anyone can shed any light on this I would be really grateful!

Helen
