

LAB 7 GMT

For this lab assignment, you will generate your own GMT map of a region on Earth. You may choose any region, but it should span a few degrees in both latitude and longitude.

1. Copy to your own working directory, the .grd file containing the topography of your region from /geobase/GEO5215/Data.
2. Cut the .grd file down to a manageable size, centered on your region.
3. Create a .cpt file and a gradient .grd file of your region.
4. Make a map! Create a GMT command file (like `make_topo_map.com` given in the demonstration handout) that contains all of the GMT commands that you will need to re-produce your map. Follow the steps in the hand out, adding illumination, contours, a color scale, data points (you can make them up), text, and a title. You'll need to create two new text files (you can do this with `nedit`) to plot the data points and any text strings.
5. Open your final postscript file (*.ps) in Adobe Illustrator and save the file to a .pdf.
6. Post your .pdf map, and your GMT command file to your website.