

Name _____

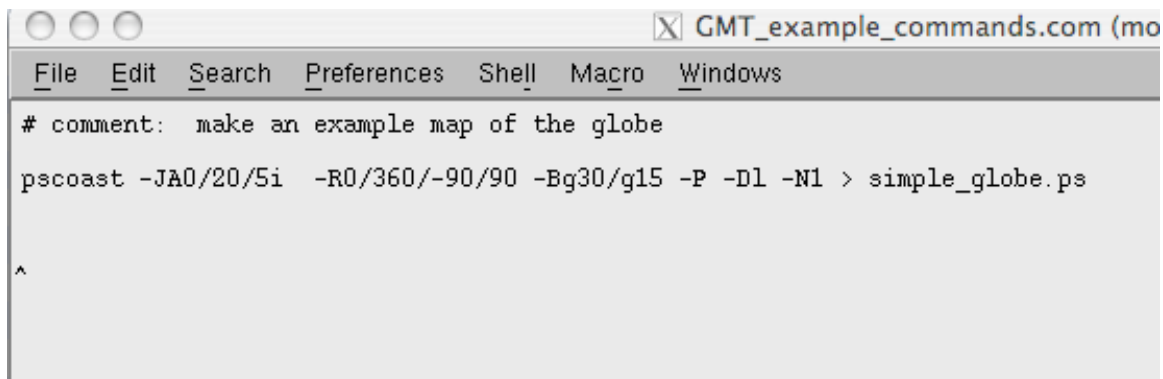
Due: Thursday, March 12

Lab 7

-- GMT: CREATING A SIMPLE GLOBE --

Step 0. Follow the instructions provided in the Lab7 handout titled “Introduction to UNIX and Cygwin Environments”.

Step 1. Type the following command in your GMT_example_commands.com text file. Then copy/paste the pscoast line into your X-window, and hit Return.



```
GMT_example_commands.com (mo
File Edit Search Preferences Shell Macro Windows
# comment: make an example map of the globe
pscoast -JA0/20/5i -R0/360/-90/90 -Bg30/g15 -P -Dl -N1 > simple_globe.ps
^
```

If no errors appeared, your **simple_globe.ps** file was properly constructed. To view it, type the following in your X-window:

```
$ gs simple_globe.ps &
```



What do each of the following switches do?

-Ja0/20/5i _____

-R0/360/-90/90 _____

-Bg30/g15 _____

-P _____

-DI _____

-N1 _____

Step 2. Close the viewing window and add the additional **-G187/142/46** switch into the command:

```

GMT_example_commands.com (modified) - /Users/
File Edit Search Preferences Shell Macro Windows
# comment: make an example map of the globe
pscoast -JA0/20/5i -R0/360/-90/90 -Bg30/g15 -P -DI -N1 -G187/142/46 > simple_globe.ps
    
```



Again, copy and paste this new command into the X-window, and use the “gs simple_globe.ps &” command (identical to before) to view your updated postscript file.



What does the following switch do?

- G187/142/46 _____

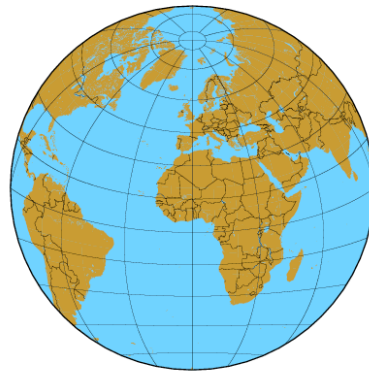
Step 3. Again, close the viewing window and add the additional **-S109/202/255** switch into the command:

```

GMT_example_commands.com (modified) - /Users/Bridget/Des
File Edit Search Preferences Shell Macro Windows
# comment: make an example map of the globe
pscoast -JA0/20/5i -R0/360/-90/90 -Bg30/g15 -P -D1 -N1 -G187/142/46 -S109/202/255> simple_globe.ps
    
```



Again, copy and paste this new command into the X-window, and use the “gs simple_globe.ps & ” command (identical to before) to view your updated postscript file.



What does the following switch do?

- S109/202/255 _____

Step 4. Again, close the viewing window and make a change to the **-B** command:

-Bg30/g15:.”Global Map”:

```

GMT_example_commands.com (modified) - /Users/Bridget/Desktop/Lab7/
File Edit Search Preferences Shell Macro Windows
# comment: make an example map of the globe
^pscoast -JA0/20/5i -R0/360/-90/90 -Bg30/g15:.”Global Map”: -P -D1 -N1 -G187/142/46 -S109/202/255> simple_globe.ps
    
```



Again, copy and paste this new command into the X-window, and use the “gs simple_globe.ps & ” command (identical to before) to view your updated postscript file.

What does the following change to the -B switch do?

-Bg30/g15:."Global Map": _____

You've completed this GMT first exercise. A few more things.....

- 1) Convert your **simple_globe.ps** file to a **JPEG** using the instructions at the end of the UNIX/Cygwin handout.
- 2) Double-click the resulting JPEG file (click on your Lab7 folder on the Desktop) to check that it converted properly (you should be able to view it).
- 3) Rename your JPEG file to "YourName_simple_globe.jpg" and drop this file in the Dropbox on [\\geobase](#)
- 4) Make a copy of your **Lab7 folder** and paste this into **your username folder** on [\\geobase](#).