NAME: ____________________________

Homework Set #B:
Earthquakes
Interactive web interface: http://deep.ucsd.edu/VisTool/index.html

Instructions: Use the interactive web interface tool map listed above to select a data set (options in the green box) and a display tool type (options in the white box). Drag your selections to the red box. Explore different data/tool set combinations.

1) How many earthquakes occurred:
   a. within the last week: __________
      Date of week start: ______
      Date of week end: ___
   b. within the last 30 days: __________
      Date of start: ______
      Date of end: ___
   c. yesterday: __________
      Date: ______

2) On average, how many earthquakes occur each day based:
   a. The last week of data: ______
   b. The last 30 days of data: __________

3) Did yesterday have more or less earthquakes than average:
   a. [Yes/No]: __________
   b. Explain how you found a solution to problem 3a:
      __________________________________________________________________________
      __________________________________________________________________________

4) In the last 30 days:
   a. What day had the most earthquakes:
      DATE: ______
      Number of earthquakes: ______
   b. What day had the least number of earthquakes
      DATE: ______
      Number of earthquakes: ______

5) Using the ‘Marker Cluster’ tool, list 3 regions that have recently had a lot of earthquakes (e.g., Japan, Alaska, Sumatra)
   a. _________________
   b. _________________
   c. _________________

Helpful hints
Average # per day = {total number of earthquakes in 30 days}/30.
Use the column chart display tool to investigate the number of earthquakes per day, a number which will be displayed on mouse-over.