**Lab 4: VEPP Post Activity, with EOS Paper**

**Instructions:** Read the article that describes the dome growth at Mt. Saint Helens (Dzurisin et al., 2005). Please type your answers to each of the following, proofread, print it and bring it to class.

1. What types of data did volcanologists at the U.S. Geological Survey use to interpret the dome growth activity at Mount St. Helens?

2. Examine the monitoring data in Figure 1 (of the article). Read the caption carefully to understand the data. Describe in your own words, what happened from Sept 28-October 10.

3. How do the USGS alert levels change in this time frame (Sept 28 Oct 10)? How do those levels compare with the levels you determined in your groups in phase 1 and then in phase 2 of the MMM activity in class?

4. Note in the section, “Current Status,” the author describes the seismicity and dome growth as in “steady state” (as of 2005). Compare that assessment with the current alert level of the volcano (available: <https://volcanoes.usgs.gov/volcanoes/st_helens/st_helens_sub_page_76.html>)?

Also consider the most recent activity at Mount St. Helens, described in the “Hot Stuff” section here: <https://volcanoes.usgs.gov/observatories/cvo/> (from December 2016).