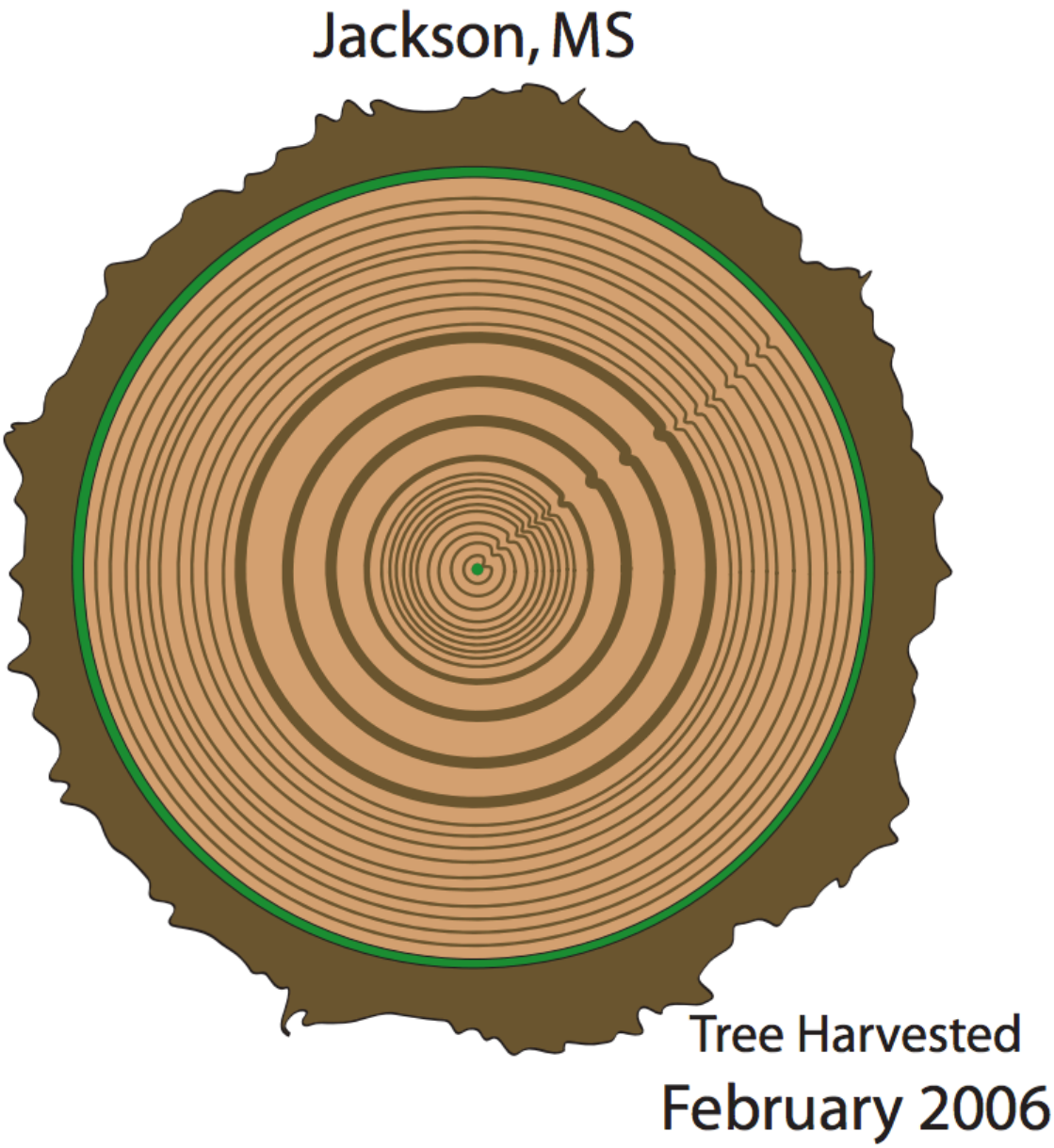
NAME:_____ DATE:_____ CLASS:_____

MY NASA DATA: Analyzing Tree Rings to Determine Climate Change

http://mynasadata.larc.nasa.gov/?page_id=474?&passid=95

Use the following four sets of tree rings and accompanying line plots of precipitation to answer the three questions at the end of the packet.

Tree Ring 1 – Jackson Mississippi (Lat:32.299N, Lon:90.185W)



NAME:_____ DATE:_____ CLASS:_____

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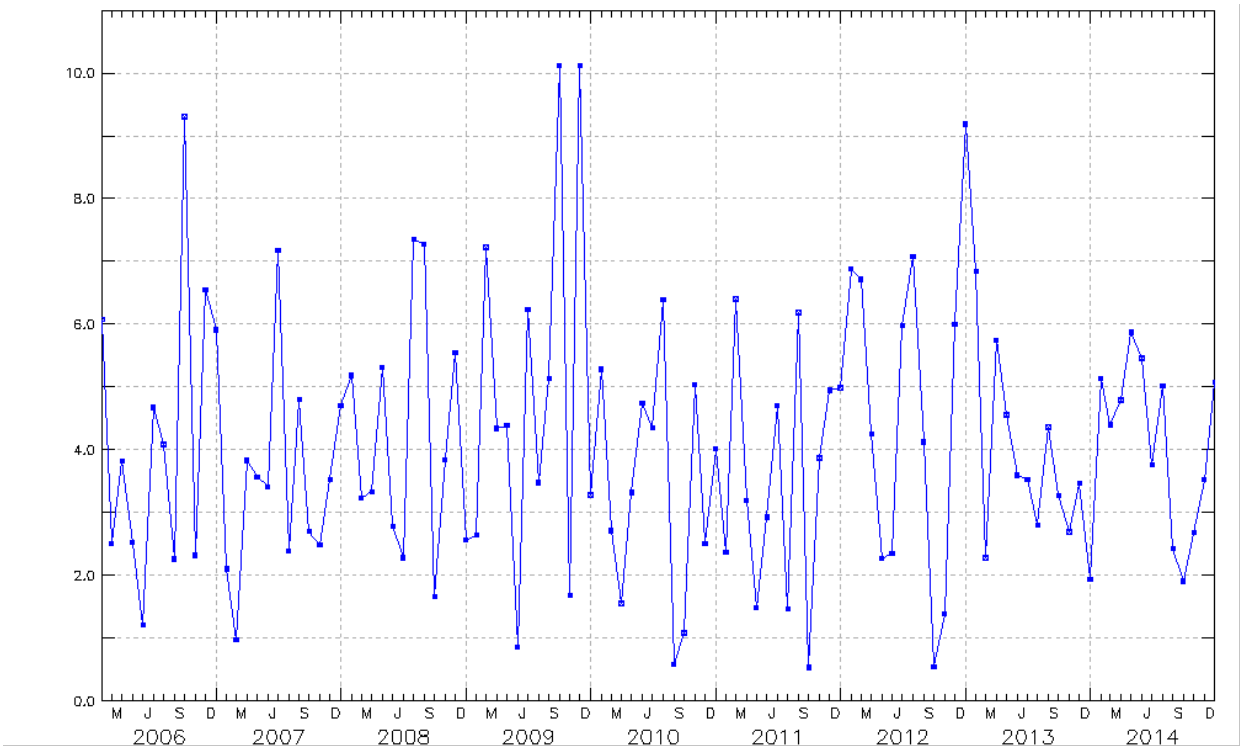
Jackson Mississippi Precipitation Plot Feb 2006 through Jan 2015 in mm/day



NAME:_____ DATE:_____ CLASS:_____

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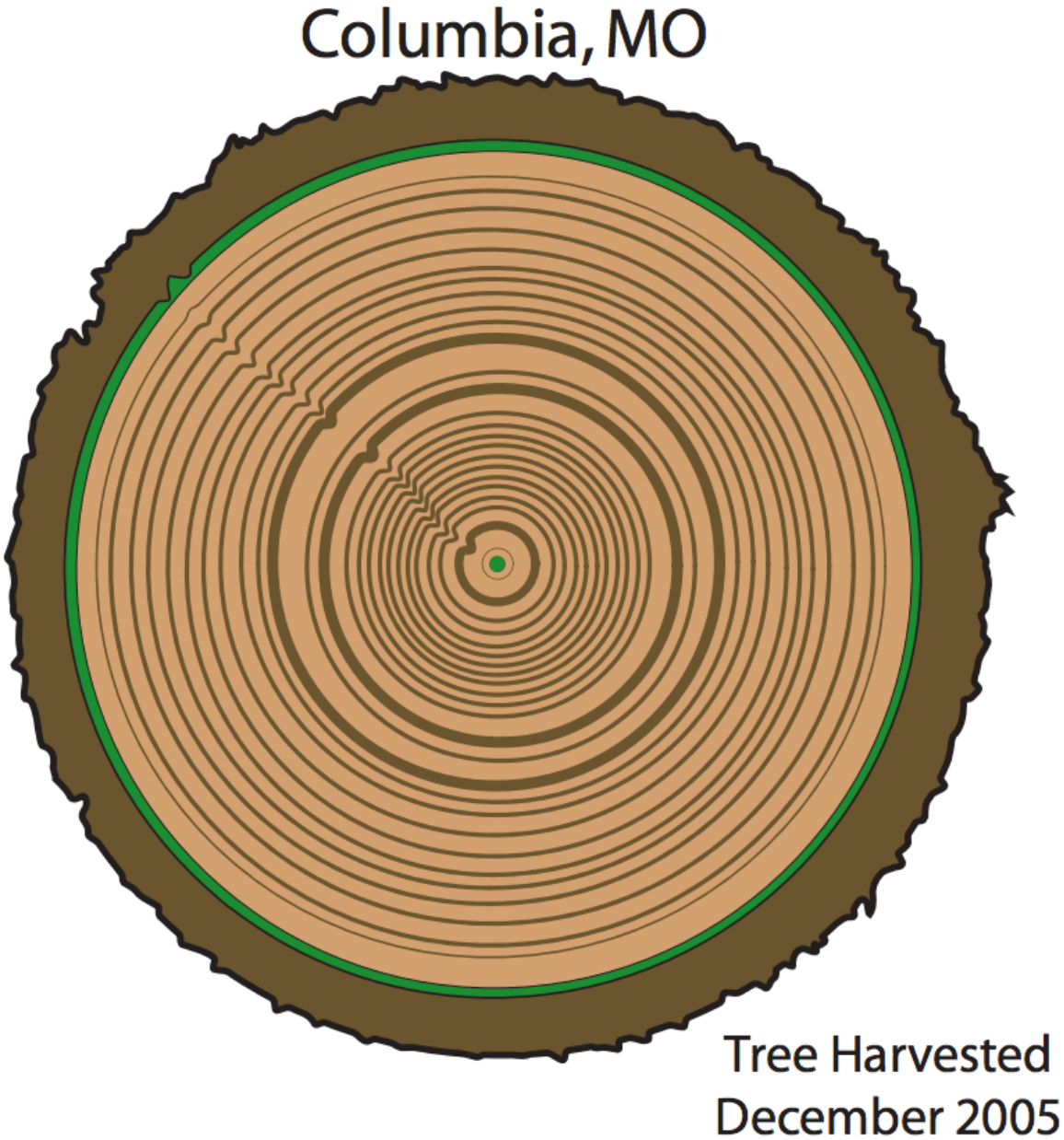
Tree Ring 2 – Columbia, Missouri (Lat:38.952N, Lon:92.334W)

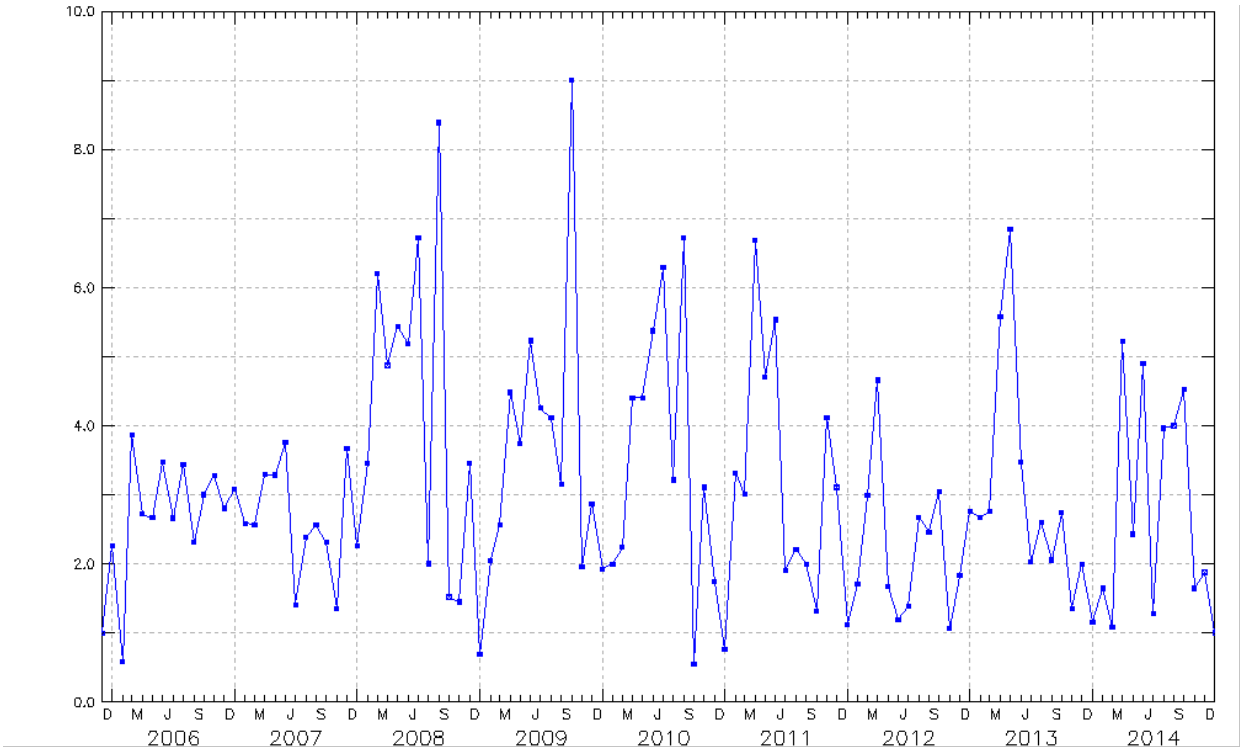


NAME:_____ DATE:_____ CLASS:_____

MY NASA DATA: Analyzing Tree Rings to Determine Climate Change

http://mynasadata.larc.nasa.gov/?page_id=474?&passid=95

Columbia, Missouri Precipitation Plot Dec 2005 through Jan 2015 mm/day



NAME:_____ DATE:_____ CLASS:_____

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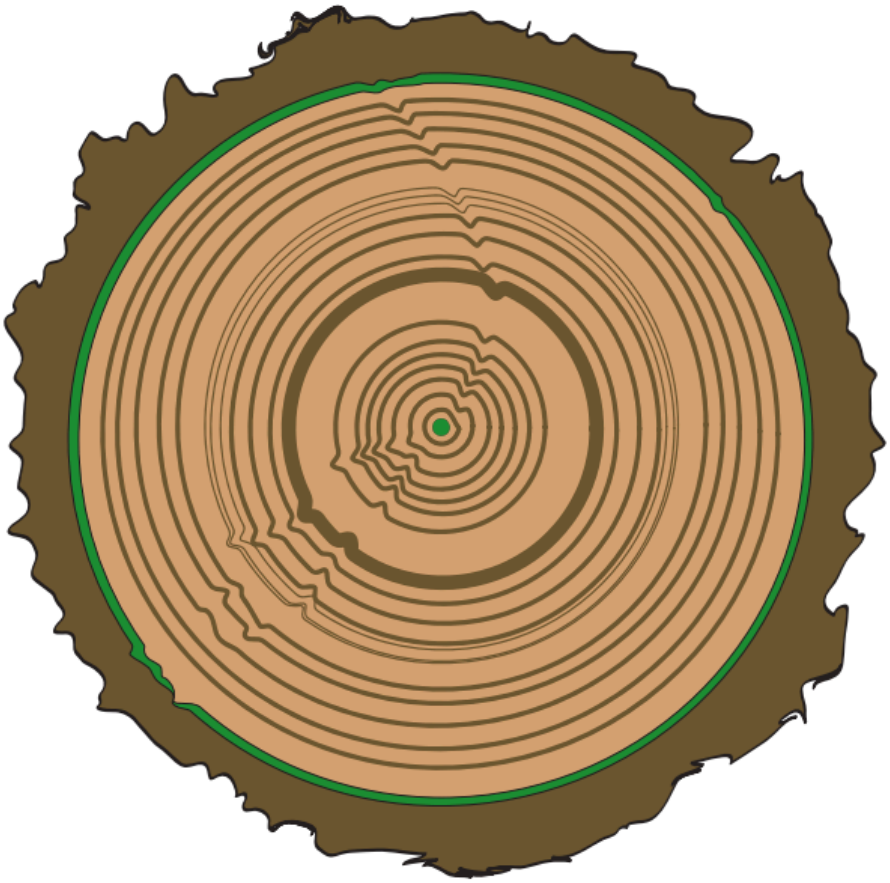
Tree Ring 3 – Boston, Massachusetts (Lat:42.360N, Lon:71.059W)

Boston, MA

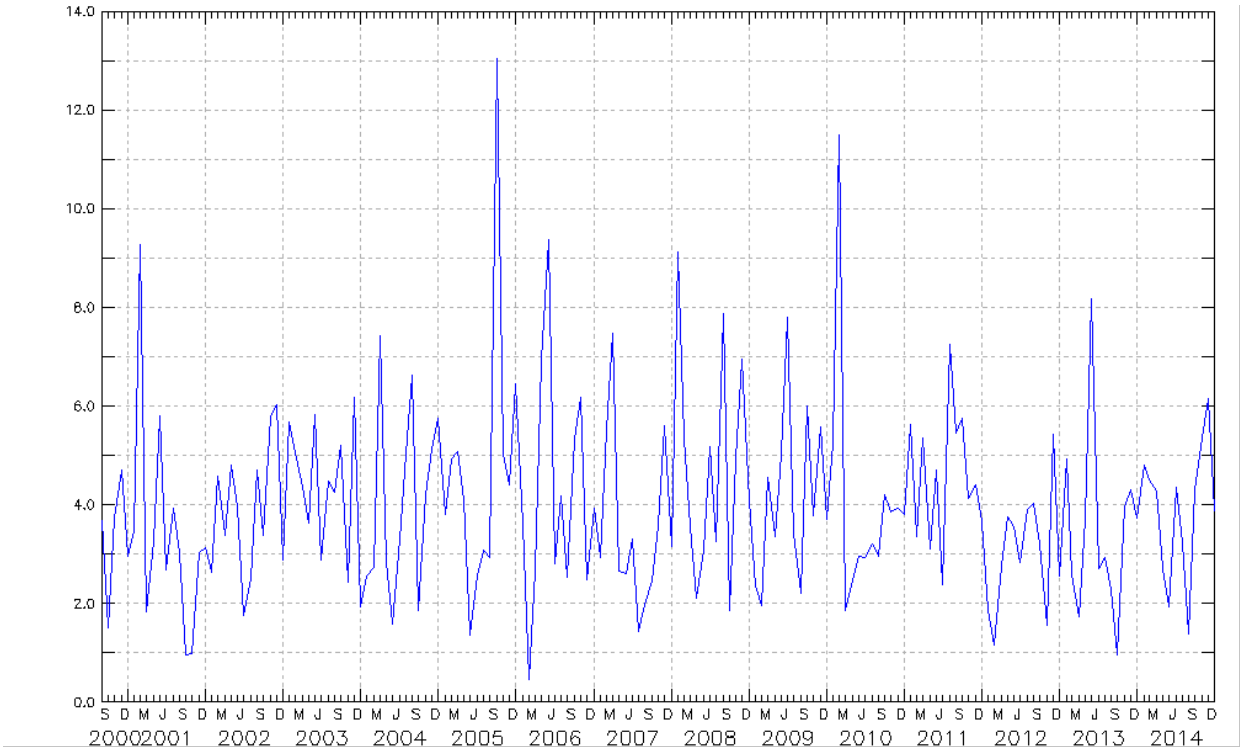


Tree Harvested
Fall 2000

NAME:_____ DATE:_____ CLASS:_____

MY NASA DATA: Analyzing Tree Rings to Determine Climate Change
http://mynasadata.larc.nasa.gov/?page_id=474?&passid=95

Boston, Massachusetts Precipitation Plot September 200 through Jan 2015 in mm/day



NAME:_____ DATE:_____ CLASS:_____

MY NASA DATA: Analyzing Tree Rings to Determine Climate Change
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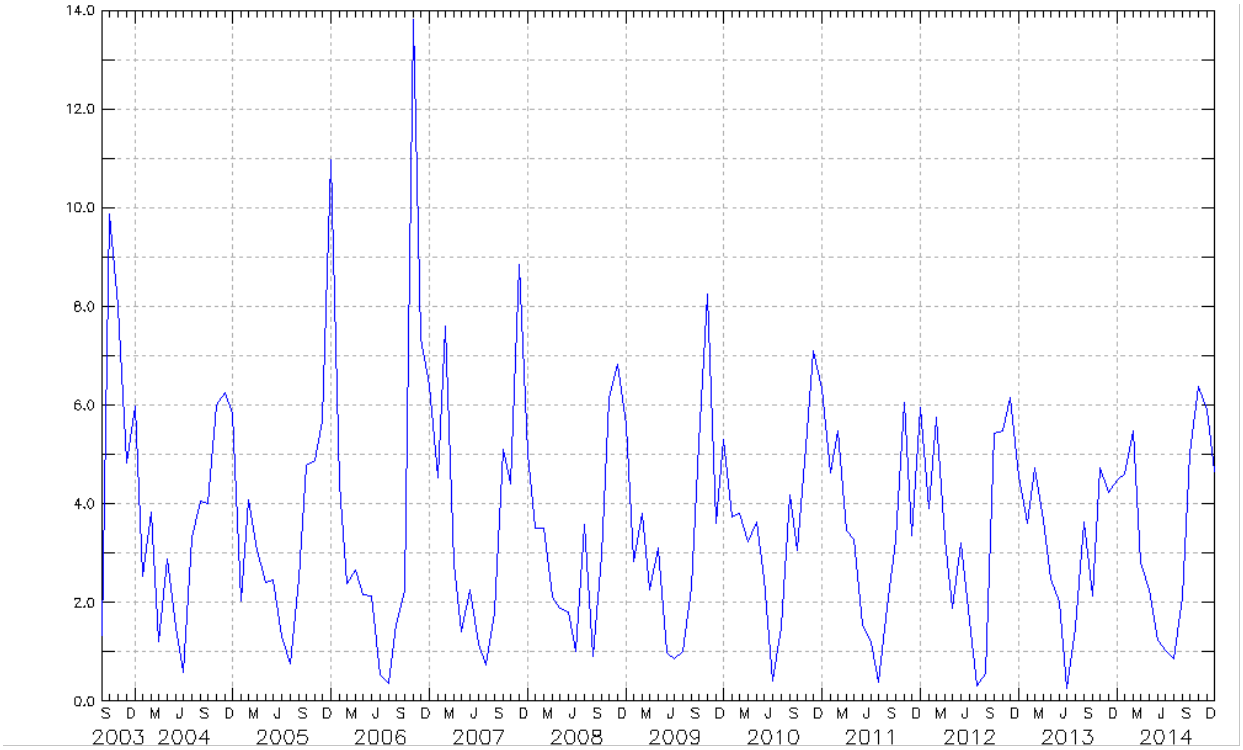
Tree Ring 3 – Seattle, Washington (Lat:47.606N, Lon:122.332W)

NAME:_____ DATE:_____ CLASS:_____

MY NASA DATA: Analyzing Tree Rings to Determine Climate Change

http://mynasadata.larc.nasa.gov/?page_id=474?&passid=95

Seattle, Washington Precipitation Plot September 2003 through Jan 2015 in mm/day



NAME:_____ DATE:_____ CLASS:_____

MY NASA DATA: Analyzing Tree Rings to Determine Climate Change

http://mynasadata.larc.nasa.gov/?page_id=474?&passid=95

Questions:

1. Did the satellite data confirm your tree ring analysis? If not, what might account for the differences between the two measurements?

2. Can you suggest data sets for other parameters that you could check that might support either the tree ring or the satellite data, if they do not agree?

3. Which of your results (the tree ring analysis or the satellite data) best reflects year-long changes in precipitation? Explain your answer in terms of your data.