**State**

1. Explain all design decisions. Discuss your representation of the graph, and any optimizations you made in computations. (Depending on the order in which you calculate the statistics, you can likely save and make use of previous results to cut down on the computation time.) Can you compute a worst-case bound on the time and/or space of your algorithms?

I made 3D arrays, every layer of the 3D array is the 63x63 grid, the layers are the time series data over the years, incrementing in weeks as the layer height increases. I made a 2D array to store the mean statistic of all the 63 x 63 sensor arrays, hence effectively saving a lot of time because the computation was done only once for all the points. I can compute the worst-case bound.

2. Describe any problems encountered in your implementation for this project milestone.

The main problem was a problem to conceptualize how to arrange the data from the binary files into an array so its easily accessible. There were a lot of issues with using pointers, so I went ahead and wrote my own Array List class.

3. Describe any known bugs and/or incomplete implementation in the project.

There are no bugs in my code for the requirements.

4. While this project is to be completed individually, describe any significant interactions with anyone (peers or otherwise) that may have occurred.

I was helping my friend closely, but no code was shared and all the protocols for ASU policies were followed. Proud of that. Very.

5. Cite any external books, and/or websites used or referenced.

<http://www.cplusplus.com> was used for the reference for the functions.