**Geog288CL Atmospheric Boundary Layer W2020**

**Homework #4 Due 2 March 2020**

1. For the dataset provided in Gaucho Space, calculate the following quantities:
2. The means and standard deviations of u, v, w and T
3. The mean “cup” speed. How does this speed compare with the cup speed estimated using the expression on page 31 of the ABL notes?
4. The skewnesses of u, v, w and T

**Important**: suppose that you are “online”, that is, your computer code should provide statistics on the fly after 30-min. In other words, do not compute the means first and then read the data again, subtracting off the means to compute variances. **Include your computed code with your answers**