

## Syntax Problem #8

### Objectives

1. Practice writing and running Python code
2. Use File I/O for input into program
3. Using computer programming techniques learned in Fortran in Python syntax

**Due by the end of class.**

### Problem

1. Write a Python program that will read the input file **kvpz\_20161006\_surface.dat** and perform a few tasks. (File available in */archive/courses/met330*)
  - a) Plot a bar graph of precipitation at each hour. Call the figure **kvpz\_precip.png**.

### Notes:

- Double check to make sure you have the correct output and conversion for pressure.
- Make sure documentation (e.g., comment block and comments throughout code) is present in your source code
- Make output informative so that anyone running your program understand what is being produced without seeing the assignment.
- Name the program **syntax8\_<username>.py** and place a copy in */archive/courses/met330/syntax\_problems*