

Syntax Problem #7

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 line graph of the temperature and dewpoint on the same plot for each hour including special obs times. Make sure there are appropriate labels and legends on the figure. Call the figure **kvpx_temps.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 **syntax7_<username>.py** and place a copy in */archive/courses/met330/syntax_problems*