

ECE 331

Homework 10

See course web site for due date

Place your typed homework answers in vim. Print single sided with your name using a **mono space font**. No need to restate questions. Fully investigating questions is required for a higher grade. Please use the kernel coding style for all code. Please use your RPi for developing answers. Although code should be written and run on a RPi, it should run on ANY POSIX compliant OS. As always, all code shall be comment, conform to the Linux Kernel Coding Style, and error conditions shall be checked and appropriately handled.

1. Modify the PHP calendar code developed in class such that
 - a) Months are correctly displayed
 - b) An entire calendar year is displayed starting at the current year when the calendar is loaded
 - c) The current day is highlighted
 - d) Place on your webserver using your RPiFor your answer,
 - a) Include the source code and
 - b) EMAIL the instructor a publicly accessible URL of the page.
2. Write a python script that parses the raw data output from the HAB predictor. Have the python script print the time and altitude fields. Write as concise script as possible. Comments are not needed. Output of wc for my script.
6 15 161
For your answer, include your python script.
3. Save the output of the python script in the previous question to a file. Give the command(s) used.
4. Write a python script that reads in the data from the previous question and plots the altitude versus time.
For your answer, include your python script.