WRF DATA VISUALIZATION WITH VAPOR 3.5
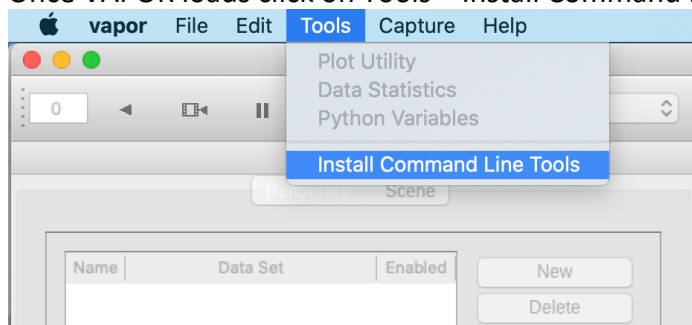
December 7, 2021

In preparation for the upcoming lecture/workshop please complete the following:

1. **Install VAPOR 3.5.**
   a. Go to https://vapor.readthedocs.io/en/readthedocs/index.html
      and click *Download here* under Vapor 3.5.0 section.
   b. Fill out the survey, after which you'll be redirected to a GitHub
      repository.
   c. Under *Vapor 3.5.0* and click on *Assets* (right below the release notes).
      Download the compiled version appropriate for your computer.
   d. Install and open.
      *(Mac users may need to adjust Security Settings to allow the program to open)
   e. Once VAPOR loads click on Tools – Install Command Line Tools.

   f. Log out and back in.

2. **Download data.**
   We will be using data from a WRF case study simulation. For faster visualization
   performance, Tim has merged all timesteps into a single [hefty] 7GB file. Please
   download it here:
   https://drive.google.com/file/d/16Llf64lC3DlTDGRaVp5eCQ4BR_9vRdcS/view?usp=sharing

3. **Device check.**
   Visualization is very CPU-intensive. Our office iMacs have no problem handling
   the task, but older less powerful laptops may struggle. If you are concerned
   about your machine, please be prepared to join a colleague. It may also be
   helpful to have Zoom and Vapor run on different devices (from both CPU- and
   convenience- perspective).