Getting started with auroraplot

1 Minimum requirements

Auroraplot has been tested on Fedora 24, Ubuntu 16.04 LTS, and Debian 8. It should work on Apple OSX with minimal changes to the configuration steps. Microsoft Windows is not currently supported.

Loading and manipulating large data sets requires significant amounts of RAM. On systems with 8 GB frequent swapping to disk and slow-downs can occur, especially when creating Quiet Day Curves. 16 GB or more is recommended.

2 Installing Auroraplot

Install the dependencies. In a terminal type

Fedora 24

```
sudo dnf install python-pyside git
    python2-matplotlib-qt4 python-
    requests ipython python-scipy
    python-pandas
```

Debian 8 / Ubuntu 16.04

```
sudo apt-get install git
```

Pandas is an optional dependency that speeds up the loading of data.

2.1 Getting the latest version of Auroraplot

To install Auroraplot in your home folder type

```
cd ~
git clone https://github.com/m-j-b/auroraplot.git
```

To update to the latest version

```
cd ~/auroraplot/
git fetch --all
git checkout --force origin/master
```

3 Running Auroraplot in IPython

3.1 Show logging information

It is helpful to see the logger output. To show log messages on the screen run

```
1 import logging
2 logging.basicConfig(stream=sys.stdout, level=logging.DEBUG)
```

3.2 Examples