

SHARPPy

A community standard in sounding analysis and visualization for the atmospheric sciences.

<https://github.com/sharppy/SHARPPy>

Configuration on Windows 10 for NVU-Lyndon Atmospheric Sciences

As of spring 2019, the latest version of SHARPPy, the Andover release (version 1.4) is an “alpha” release, meaning it may have bugs in it. However, there are significant improvements and functionality fixes, when compared to the previous release. The Andover release only works on Windows 10 from source code, which has been installed in ASAC 315 and the WX Center (as has Miniconda, a Python package manager). The following additional steps are needed to run SHARPPy.

1. Click on the Start menu, and search for **Anaconda**. Open the **Anaconda Prompt**
2. Type or copy the command below into the Anaconda Prompt. You should run this command even if you have already done it in the past. This will ensure that conda-forge is set as the highest priority channel.

```
conda config --add channels conda-forge
```

About conda-forge

Conda-forge is a community-driven collection of packages that are continually tested to ensure compatibility. SHARPPy developers highly recommend using conda-forge when working with conda. See <https://conda-forge.github.io/> for more details.

3. Install the necessary Python packages by typing into the Anaconda Prompt:

```
conda install pyside=1.2.4 numpy=1.9.3
```

This command should automatically determine if any additional package dependencies are required, and download and install them as well.

4. When prompted, type: **y** and press Enter to proceed. It may take a couple minutes to install everything.
5. In the Anaconda Prompt, type each of the following lines, followed by the Enter key:

```
cd C:\SHARPPy\SHARPPy-1.4.0-Andover-Alpha1
```

```
python setup.py install
```

6. To open the SHARPPy graphical user interface, in the Anaconda Prompt, type:

```
python c:\SHARPPy\SHARPPy-1.4.0-Andover-Alpha1\runsharp\full_gui.py
```

NOTE

The Anaconda Prompt window **must remain open** for SHARPPy to run (if desired, it can be minimized).