**Installation and First Run of NARS Auto nCT**

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1. Ensure you have a Python 3.X version installed on your computer and is connect to PATH
   1. Verify this by opening a command prompt and typing “py --version” or “python --version” which will output the version number you have installed
   2. If this is not installed, google instructions on how to download Python 3 and add it to PATH
2. Install the proper Python modules for the program.
   1. To install all modules listed in 2.b. use syntax “py -m pip install **module**” and replace module with the appropriate name
   2. The needed modules: pycromanager, pyserial, numpy, tifffile, datetime, Pillow,
   3. If any module needs to be updated (especially pycromanager) use syntax “py -m pip install --upgrade pycromanager”
3. Install the most recent nightly build of Micro-Manager from <https://micro-manager.org/wiki/Micro-Manager_Nightly_Builds>
   1. Open up Micro-Manager and in the top ribbon select Tools->options… and in the options dialog ensure “Run server on port 4827” is checked. This is how the wrapper pycromanager interfaces with Micro-Manager
4. If the code is being run from the Tomography.py File, use a text editor like Visual Studio Code to open the file and press the green run arrow at the top to launch the GUI.
5. Alternatively, once the code has been fully developed to suit the needs of the station, one could create an executable file for it. A drawback of this is that you cannot adjust code once this has been done and often, different experiments require tweaking of certain things like the limits of the XYZ stage movements.