

Installing beta versions of PyNIO and PyNGL

MacOS and Linux precompiled binaries available at:

<http://www.pyngl.ucar.edu/Training/SEA2015/binaries.shtml>

- Download the appropriate gzipped PyNIO (and PyNGL if desired) tarfiles, based on your version of Python, NumPy, and system type (linux, macos)
- Create temporary directory (optional) to extract files in

```
mkdir pynio_beta
cd pynio_beta
tar -zxvf ~/Downloads/PyNIO-1.5.0-beta.macos-10.8-
x86_64-py279-numpy192-gnu471.tar.gz

tar -zxvf ~/Downloads/PyNGL-1.5.0-beta.macos-10.8-
x86_64-py279-numpy192-gnu471.tar.gz
```

- setenv PYTHONPATH to include path to one or both packages:

```
export
PYTHONPATH=/path/to/pynio_beta/lib/python2.7/site-
packages/PyNIO:/path/to/pynio_beta/lib/python2.7/site-
packages/PyNGL
```

Windows users

- Go to <https://www.virtualbox.org/wiki/Downloads>
- Click on "VirtualBox for Windows hosts" (x86/amd64)
- Run the ".exe" file that gets downloaded and accept all the defaults if possible.
- If this is successful, the VirtualBox program should be started for you.
- These two binaries should work on your system:

```
PyNIO-1.5.0-beta.Linux-RHEL6.4-x86_64-py279-numpy192-
gnu472.tar.gz
PyNGL-1.5.0-beta.Linux-RHEL6.4-x86_64-py279-numpy192-
gnu472.tar.gz
```