# ODonnell homework1 - Jupyter Notebook In [2]: pip install --pre astroquery Collecting astroquery Downloading astroquery-0.4.4.dev6955-py3-none-any.whl (4.4 MB) Requirement already satisfied: html5lib>=0.999 in c:\programdata\anaconda3\lib \site-packages (from astroquery) (1.1) Collecting pyvo>=1.1 Downloading pyvo-1.1-py3-none-any.whl (802 kB) Requirement already satisfied: astropy>=3.1.2 in c:\programdata\anaconda3\lib\s ite-packages (from astroquery) (4.0.2) Requirement already satisfied: requests>=2.4.3 in c:\programdata\anaconda3\lib \site-packages (from astroquery) (2.24.0) Requirement already satisfied: keyring>=4.0 in c:\programdata\anaconda3\lib\sit e-packages (from astroquery) (21.4.0) Requirement already satisfied: six in c:\users\sydnee o'donnell\appdata\roaming \python\python38\site-packages (from astroquery) (1.15.0) Requirement already satisfied: beautifulsoup4>=4.3.2 in c:\programdata\anaconda 3\lib\site-packages (from astroquery) (4.9.3) Requirement already satisfied: numpy>=1.15.0 in c:\programdata\anaconda3\lib\si te-packages (from astroquery) (1.19.2) Requirement already satisfied: webencodings in c:\programdata\anaconda3\lib\sit e-packages (from html5lib>=0.999->astroquery) (0.5.1) Collecting mimeparse Downloading mimeparse-0.1.3.tar.gz (4.4 kB) Requirement already satisfied: chardet<4,>=3.0.2 in c:\programdata\anaconda3\li b\site-packages (from requests>=2.4.3->astroquery) (3.0.4) Requirement already satisfied: idna<3,>=2.5 in c:\programdata\anaconda3\lib\sit e-packages (from requests>=2.4.3->astroquery) (2.10) Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in c:\pr ogramdata\anaconda3\lib\site-packages (from requests>=2.4.3->astroquery) (1.25. 11) Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\l ib\site-packages (from requests>=2.4.3->astroquery) (2020.6.20) Requirement already satisfied: pywin32-ctypes!=0.1.0,!=0.1.1; sys platform == "win32" in c:\programdata\anaconda3\lib\site-packages (from keyring>=4.0->astro query) (0.2.0) Requirement already satisfied: soupsieve>1.2; python version >= "3.0" in c:\pro gramdata\anaconda3\lib\site-packages (from beautifulsoup4>=4.3.2->astroquery) (2.0.1)Building wheels for collected packages: mimeparse Building wheel for mimeparse (setup.py): started

Building wheel for mimeparse (setup.py): finished with status 'done'

Created wheel for mimeparse: filename=mimeparse-0.1.3-py3-none-any.whl size=3 871 sha256=fba2dac960eb71f5e83e2035b878b0f224553af7c47c13ddb86acc8d296c3ccf

Stored in directory: c:\users\sydnee o'donnell\appdata\local\pip\cache\wheels \10\4a\42\2f6bad162811fe51b5e3f250cb31c88e0d362b23e873380815

Successfully built mimeparse

Installing collected packages: mimeparse, pyvo, astroquery

Successfully installed astroquery-0.4.4.dev6955 mimeparse-0.1.3 pyvo-1.1

Note: you may need to restart the kernel to use updated packages.

```
In [3]: pip install https://github.com/astropy/astroplan/archive/master.zip
        Collecting https://github.com/astropy/astroplan/archive/master.zip (https://git
        hub.com/astropy/astroplan/archive/master.zip)
          Downloading https://github.com/astropy/astroplan/archive/master.zip (https://
        github.com/astropy/astroplan/archive/master.zip)
          Installing build dependencies: started
          Installing build dependencies: finished with status 'done'
          Getting requirements to build wheel: startedNote: you may need to restart the
        kernel to use updated packages.
          Getting requirements to build wheel: finished with status 'done'
            Preparing wheel metadata: started
            Preparing wheel metadata: finished with status 'error'
            ERROR: Command errored out with exit status 1:
             command: 'C:\ProgramData\Anaconda3\python.exe' 'C:\ProgramData\Anaconda3\1
        ib\site-packages\pip\_vendor\pep517\_in_process.py' prepare_metadata_for_build_
        wheel 'C:\Users\SYDNEE~1\AppData\Local\Temp\tmp4c55vuc2'
                 cwd: C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-req-build-fo 1hb
        mr
            Complete output (36 lines):
            Traceback (most recent call last):
              File "C:\ProgramData\Anaconda3\lib\site-packages\pip\_vendor\pep517\_in_p
        rocess.py", line 280, in <module>
                main()
              File "C:\ProgramData\Anaconda3\lib\site-packages\pip\ vendor\pep517\ in p
        rocess.py", line 263, in main
                json out['return val'] = hook(**hook input['kwargs'])
              File "C:\ProgramData\Anaconda3\lib\site-packages\pip\_vendor\pep517\_in_p
        rocess.py", line 133, in prepare_metadata_for_build_wheel
                return hook(metadata directory, config settings)
              File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf
        \overlay\Lib\site-packages\setuptools\build_meta.py", line 166, in prepare_meta
        data for build wheel
                self.run setup()
              File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf
        \overlay\Lib\site-packages\setuptools\build_meta.py", line 150, in run_setup
                exec(compile(code, __file__, 'exec'), locals())
              File "setup.py", line 62, in <module>
                setup(use scm version={'write to': os.path.join('astroplan', 'version.p
        y'),
              File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf
        \overlay\Lib\site-packages\setuptools\__init__.py", line 153, in setup
                return distutils.core.setup(**attrs)
              File "C:\ProgramData\Anaconda3\lib\distutils\core.py", line 108, in setup
                 setup distribution = dist = klass(attrs)
              File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf
        \overlay\Lib\site-packages\setuptools\dist.py", line 455, in __init__
                 _Distribution.__init__(self, {
              File "C:\ProgramData\Anaconda3\lib\distutils\dist.py", line 292, in ini
        t__
                self.finalize options()
              File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf
        \overlay\Lib\site-packages\setuptools\dist.py", line 807, in finalize_options
```

File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf

\overlay\Lib\site-packages\setuptools\dist.py", line 814, in finalize setup ke

ywords

ep.load()(self, ep.name, value)

File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf\overlay\Lib\site-packages\setuptools\_scm\integration.py", line 24, in version\_keyword

dist.metadata.version = \_get\_version(config)

File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf\overlay\Lib\site-packages\setuptools\_scm\\_\_init\_\_.py", line 173, in \_get\_versi on

parsed\_version = \_do\_parse(config)

File "C:\Users\Sydnee O'Donnell\AppData\Local\Temp\pip-build-env-iqbw92vf
\overlay\Lib\site-packages\setuptools\_scm\\_\_init\_\_.py", line 134, in \_do\_parse
 raise LookupError(

LookupError: setuptools-scm was unable to detect version for "C:\\Users\\Sy dnee O'Donnell\\AppData\\Local\\Temp\\pip-req-build-fo\_1hbmr".

Make sure you're either building from a fully intact git repository or PyPI tarballs. Most other sources (such as GitHub's tarballs, a git checkout without the .git folder) don't contain the necessary metadata and will not work.

For example, if you're using pip, instead of https://github.com/user/proj/archive/master.zip (https://github.com/user/proj/archive/master.zip) use git+htt ps://github.com/user/proj.git#egg=proj

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ERROR: Command errored out with exit status 1: 'C:\ProgramData\Anaconda3\pytho n.exe' 'C:\ProgramData\Anaconda3\lib\site-packages\pip\\_vendor\pep517\\_in\_proce ss.py' prepare\_metadata\_for\_build\_wheel 'C:\Users\SYDNEE~1\AppData\Local\Temp\t mp4c55vuc2' Check the logs for full command output.

## In [4]: pip install scikit-image

```
Requirement already satisfied: scikit-image in c:\programdata\anaconda3\lib\sit
e-packages (0.17.2)
Requirement already satisfied: numpy>=1.15.1 in c:\programdata\anaconda3\lib\si
te-packages (from scikit-image) (1.19.2)
Requirement already satisfied: scipy>=1.0.1 in c:\programdata\anaconda3\lib\sit
e-packages (from scikit-image) (1.5.2)
Requirement already satisfied: matplotlib!=3.0.0,>=2.0.0 in c:\programdata\anac
onda3\lib\site-packages (from scikit-image) (3.3.2)
Requirement already satisfied: networkx>=2.0 in c:\programdata\anaconda3\lib\si
te-packages (from scikit-image) (2.5)
Requirement already satisfied: pillow!=7.1.0,!=7.1.1,>=4.3.0 in c:\programdata
\anaconda3\lib\site-packages (from scikit-image) (8.0.1)
Requirement already satisfied: imageio>=2.3.0 in c:\programdata\anaconda3\lib\s
ite-packages (from scikit-image) (2.9.0)
Requirement already satisfied: tifffile>=2019.7.26 in c:\programdata\anaconda3
\lib\site-packages (from scikit-image) (2020.10.1)
Requirement already satisfied: PyWavelets>=1.1.1 in c:\programdata\anaconda3\li
b\site-packages (from scikit-image) (1.1.1)
Requirement already satisfied: certifi>=2020.06.20 in c:\programdata\anaconda3
\lib\site-packages (from matplotlib!=3.0.0,>=2.0.0->scikit-image) (2020.6.20)
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.3 in c:\p
rogramdata\anaconda3\lib\site-packages (from matplotlib!=3.0.0,>=2.0.0->scikit-
image) (2.4.7)
Requirement already satisfied: python-dateutil>=2.1 in c:\programdata\anaconda3
\lib\site-packages (from matplotlib!=3.0.0,>=2.0.0->scikit-image) (2.8.1)
Requirement already satisfied: cycler>=0.10 in c:\programdata\anaconda3\lib\sit
e-packages (from matplotlib!=3.0.0,>=2.0.0->scikit-image) (0.10.0)
Requirement already satisfied: kiwisolver>=1.0.1 in c:\programdata\anaconda3\li
b\site-packages (from matplotlib!=3.0.0,>=2.0.0->scikit-image) (1.3.0)
Requirement already satisfied: decorator>=4.3.0 in c:\programdata\anaconda3\lib
\site-packages (from networkx>=2.0->scikit-image) (4.4.2)
Requirement already satisfied: six>=1.5 in c:\users\sydnee o'donnell\appdata\ro
aming\python\python38\site-packages (from python-dateutil>=2.1->matplotlib!=3.
0.0,>=2.0.0->scikit-image) (1.15.0)
```

Note: you may need to restart the kernel to use updated packages.

#### In [5]: pip install photutils

#### Collecting photutils

Downloading photutils-1.1.0-cp38-cp38-win\_amd64.whl (571 kB)

Requirement already satisfied: numpy>=1.17 in c:\programdata\anaconda3\lib\site -packages (from photutils) (1.19.2)

Requirement already satisfied: astropy>=4.0 in c:\programdata\anaconda3\lib\sit e-packages (from photutils) (4.0.2)

Installing collected packages: photutils

Successfully installed photutils-1.1.0

Note: you may need to restart the kernel to use updated packages.

## In [6]: pip install ipywidgets

```
Requirement already satisfied: ipywidgets in c:\programdata\anaconda3\lib\site-
packages (7.5.1)
Requirement already satisfied: traitlets>=4.3.1 in c:\programdata\anaconda3\lib
\site-packages (from ipywidgets) (5.0.5)
Requirement already satisfied: nbformat>=4.2.0 in c:\programdata\anaconda3\lib
\site-packages (from ipywidgets) (5.0.8)
Requirement already satisfied: ipython>=4.0.0; python version >= "3.3" in c:\pr
ogramdata\anaconda3\lib\site-packages (from ipywidgets) (7.19.0)
Requirement already satisfied: widgetsnbextension~=3.5.0 in c:\programdata\anac
onda3\lib\site-packages (from ipywidgets) (3.5.1)
Requirement already satisfied: ipykernel>=4.5.1 in c:\programdata\anaconda3\lib
\site-packages (from ipywidgets) (5.3.4)
Requirement already satisfied: ipython-genutils in c:\programdata\anaconda3\lib
\site-packages (from traitlets>=4.3.1->ipywidgets) (0.2.0)
Requirement already satisfied: jupyter-core in c:\programdata\anaconda3\lib\sit
e-packages (from nbformat>=4.2.0->ipywidgets) (4.6.3)
Requirement already satisfied: jsonschema!=2.5.0,>=2.4 in c:\programdata\anacon
da3\lib\site-packages (from nbformat>=4.2.0->ipywidgets) (3.2.0)
Requirement already satisfied: prompt-toolkit!=3.0.0,!=3.0.1,<3.1.0,>=2.0.0 in
c:\programdata\anaconda3\lib\site-packages (from ipython>=4.0.0; python version
>= "3.3"->ipywidgets) (3.0.8)
Requirement already satisfied: backcall in c:\programdata\anaconda3\lib\site-pa
ckages (from ipython>=4.0.0; python version >= "3.3"->ipywidgets) (0.2.0)
Requirement already satisfied: setuptools>=18.5 in c:\programdata\anaconda3\lib
\site-packages (from ipython>=4.0.0; python version >= "3.3"->ipywidgets) (50.
3.1.post20201107)
Requirement already satisfied: pickleshare in c:\programdata\anaconda3\lib\site
-packages (from ipython>=4.0.0; python version >= "3.3"->ipywidgets) (0.7.5)
Requirement already satisfied: colorama; sys platform == "win32" in c:\users\sy
dnee o'donnell\appdata\roaming\python\python38\site-packages (from ipython>=4.
0.0; python version >= "3.3"->ipywidgets) (0.4.3)
Requirement already satisfied: decorator in c:\programdata\anaconda3\lib\site-p
ackages (from ipython>=4.0.0; python version >= "3.3"->ipywidgets) (4.4.2)
Requirement already satisfied: jedi>=0.10 in c:\programdata\anaconda3\lib\site-
packages (from ipython>=4.0.0; python version >= "3.3"->ipywidgets) (0.17.1)
Requirement already satisfied: pygments in c:\programdata\anaconda3\lib\site-pa
ckages (from ipython>=4.0.0; python_version >= "3.3"->ipywidgets) (2.7.2)
Requirement already satisfied: notebook>=4.4.1 in c:\programdata\anaconda3\lib
\site-packages (from widgetsnbextension~=3.5.0->ipywidgets) (6.1.4)
Requirement already satisfied: tornado>=4.2 in c:\programdata\anaconda3\lib\sit
e-packages (from ipykernel>=4.5.1->ipywidgets) (6.0.4)
Requirement already satisfied: jupyter-client in c:\programdata\anaconda3\lib\s
ite-packages (from ipykernel>=4.5.1->ipywidgets) (6.1.7)
Requirement already satisfied: pywin32>=1.0; sys platform == "win32" in c:\prog
ramdata\anaconda3\lib\site-packages (from jupyter-core->nbformat>=4.2.0->ipywid
gets) (227)
Requirement already satisfied: attrs>=17.4.0 in c:\programdata\anaconda3\lib\si
te-packages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.2.0->ipywidgets) (20.3.
0)
Requirement already satisfied: pyrsistent>=0.14.0 in c:\programdata\anaconda3\l
ib\site-packages (from jsonschema!=2.5.0,>=2.4->nbformat>=4.2.0->ipywidgets)
(0.17.3)
Requirement already satisfied: six>=1.11.0 in c:\users\sydnee o'donnell\appdata
\roaming\python\python38\site-packages (from jsonschema!=2.5.0,>=2.4->nbformat>
=4.2.0->ipywidgets) (1.15.0)
```

Requirement already satisfied: wcwidth in c:\programdata\anaconda3\lib\site-pac kages (from prompt-toolkit!=3.0.0,!=3.0.1,<3.1.0,>=2.0.0->ipython>=4.0.0; pytho  $n_version >= "3.3"->ipywidgets)$  (0.2.5)

Requirement already satisfied: parso<0.8.0,>=0.7.0 in c:\programdata\anaconda3 \lib\site-packages (from jedi>=0.10->ipython>=4.0.0; python\_version >= "3.3"->i pywidgets) (0.7.0)

Requirement already satisfied: nbconvert in c:\programdata\anaconda3\lib\site-p ackages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (6.0.7) Requirement already satisfied: Send2Trash in c:\programdata\anaconda3\lib\site-packages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (1.5.0) Requirement already satisfied: argon2-cffi in c:\programdata\anaconda3\lib\site-packages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (20.1.0)

Requirement already satisfied: jinja2 in c:\programdata\anaconda3\lib\site-pack ages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (2.11.2) Requirement already satisfied: prometheus-client in c:\programdata\anaconda3\lib\site-packages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.8.0)

Requirement already satisfied: pyzmq>=17 in c:\programdata\anaconda3\lib\site-p ackages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (19.0.2) Requirement already satisfied: terminado>=0.8.3 in c:\programdata\anaconda3\lib\site-packages (from notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.9.1)

Requirement already satisfied: python-dateutil>=2.1 in c:\programdata\anaconda3 \lib\site-packages (from jupyter-client->ipykernel>=4.5.1->ipywidgets) (2.8.1) Requirement already satisfied: jupyterlab-pygments in c:\programdata\anaconda3 \lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.1.2)

Requirement already satisfied: pandocfilters>=1.4.1 in c:\programdata\anaconda3 \lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (1.4.3)

Requirement already satisfied: testpath in c:\programdata\anaconda3\lib\site-pa ckages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.4.4)

Requirement already satisfied: nbclient<0.6.0,>=0.5.0 in c:\programdata\anacond a3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.5.1)

Requirement already satisfied: entrypoints>=0.2.2 in c:\programdata\anaconda3\1 ib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->i pywidgets) (0.3)

Requirement already satisfied: defusedxml in c:\programdata\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.6.0)

Requirement already satisfied: bleach in c:\programdata\anaconda3\lib\site-pack ages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (3.2.1)

Requirement already satisfied: mistune<2,>=0.8.1 in c:\programdata\anaconda3\lib\site-packages (from nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ip ywidgets) (0.8.4)

Requirement already satisfied: cffi>=1.0.0 in c:\programdata\anaconda3\lib\site -packages (from argon2-cffi->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywid gets) (1.14.3)

Requirement already satisfied: MarkupSafe>=0.23 in c:\programdata\anaconda3\lib \site-packages (from jinja2->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywid gets) (1.1.1)

Requirement already satisfied: pywinpty>=0.5 in c:\programdata\anaconda3\lib\si te-packages (from terminado>=0.8.3->notebook>=4.4.1->widgetsnbextension~=3.5.0-

>ipywidgets) (0.5.7)

Requirement already satisfied: async-generator in c:\programdata\anaconda3\lib \site-packages (from nbclient<0.6.0,>=0.5.0->nbconvert->notebook>=4.4.1->widget snbextension~=3.5.0->ipywidgets) (1.10)

Requirement already satisfied: nest-asyncio in c:\programdata\anaconda3\lib\sit e-packages (from nbclient<0.6.0,>=0.5.0->nbconvert->notebook>=4.4.1->widgetsnbe xtension~=3.5.0->ipywidgets) (1.4.2)

Requirement already satisfied: packaging in c:\programdata\anaconda3\lib\site-p ackages (from bleach->nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ip ywidgets) (20.4)

Requirement already satisfied: webencodings in c:\programdata\anaconda3\lib\sit e-packages (from bleach->nbconvert->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (0.5.1)

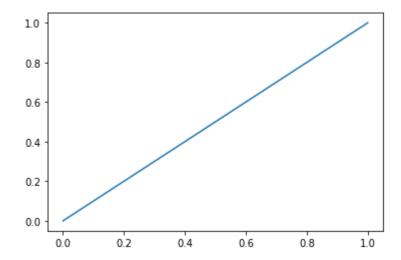
Requirement already satisfied: pycparser in c:\programdata\anaconda3\lib\site-p ackages (from cffi>=1.0.0->argon2-cffi->notebook>=4.4.1->widgetsnbextension~=3.5.0->ipywidgets) (2.20)

Requirement already satisfied: pyparsing>=2.0.2 in c:\programdata\anaconda3\lib \site-packages (from packaging->bleach->nbconvert->notebook>=4.4.1->widgetsnbex tension~=3.5.0->ipywidgets) (2.4.7)

Note: you may need to restart the kernel to use updated packages.

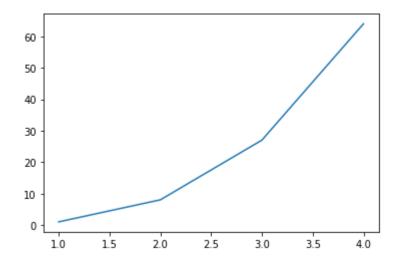
```
In [14]: import matplotlib.pyplot as plt
plt.plot([0,1])
```

Out[14]: [<matplotlib.lines.Line2D at 0x2012f7e90d0>]





Out[15]: [<matplotlib.lines.Line2D at 0x2012fb140d0>]



# **Markdown Cell**

This text is **bold**. This text is *italicized*.

```
In [16]: import astropy, astroplan, skimage, photutils, astroquery
         print(astropy.__version__, astroplan.__version__, astroquery.__version__)
         ModuleNotFoundError
                                                    Traceback (most recent call last)
         <ipython-input-16-46be1db7f6e6> in <module>
         ----> 1 import astropy, astroplan, skimage, photutils, astroquery
               2 print(astropy.__version__, astroplan.__version__, astroquery.__version_
         _)
         ModuleNotFoundError: No module named 'astroplan'
In [17]: pip install astroplan
         Collecting astroplan
           Downloading astroplan-0.8.tar.gz (134 kB)
           Installing build dependencies: started
           Installing build dependencies: finished with status 'done'
           Getting requirements to build wheel: started
           Getting requirements to build wheel: finished with status 'done'
             Preparing wheel metadata: started
             Preparing wheel metadata: finished with status 'done'
         Requirement already satisfied: astropy>=4 in c:\programdata\anaconda3\lib\site-
         packages (from astroplan) (4.0.2)
         Requirement already satisfied: six in c:\users\sydnee o'donnell\appdata\roaming
         \python\python38\site-packages (from astroplan) (1.15.0)
         Requirement already satisfied: pytz in c:\programdata\anaconda3\lib\site-packag
         es (from astroplan) (2020.1)
         Requirement already satisfied: numpy>=1.17 in c:\programdata\anaconda3\lib\site
         -packages (from astroplan) (1.19.2)
         Building wheels for collected packages: astroplan
           Building wheel for astroplan (PEP 517): started
           Building wheel for astroplan (PEP 517): finished with status 'done'
           Created wheel for astroplan: filename=astroplan-0.8-py3-none-any.whl size=832
         79 sha256=a021950908e3fc6a4cc1b669bcacf4eb30fe748489d447629c94c15e62002fb4
           Stored in directory: c:\users\sydnee o'donnell\appdata\local\pip\cache\wheels
         \cd\87\42\4cf5673b77f4570603bcbdf176c0b313b8ad8e9b83b23039cc
         Successfully built astroplan
         Installing collected packages: astroplan
         Successfully installed astroplan-0.8
         Note: you may need to restart the kernel to use updated packages.
In [18]: import astropy, astroplan, skimage, photutils, astroquery
         print(astropy.__version__, astroplan.__version__, astroquery.__version__)
         4.0.2 0.8 0.4.4.dev6955
 In [ ]:
```