INSTALLING PYTHON

ALL-IN-ONE PACKAGE

- Most of modern OSs come with python already installed, but some libraries may be out of date or missing.
- STSCI has choose Anaconda as the python distribution, with a dedicated environment (e.g. for pyraf).
- The Anaconda distribution already comes with almost all the libraries one need. See https://docs.anaconda.com/getting-started/
- astroconda is a conda environment including some STSCI packages: https://stsci-env.readthedocs.io/en/latest/installing_anaconda.html
- You can first install **Anaconda**, and useful packages will be added later.

ANACONDA

- Download from the anaconda web site:
  - https://www.anaconda.com/products/individual
  - You need to register, but not to accept receiving spams.
  - Check that you are using the correct version if using Mac (between Intel and M chips).

TEST INSTALLATION

- from a NEW terminal (for the PATH to be updated):
  - python
  - ipython
- Once in ipython:
  - import numpy as np
  - import matplotlib.pyplot as plt
  - plt.ion()
  - plt.plot(np.arange(10)**2)

UPDATE

- From home (not during the lecture, as it requires some time…):
  - conda update --all
  - pip install -U pip
  - pip install -U virtualenv
  - conda config --add channels http://ssb.stsci.edu/astroconda

ADD SOME LIBRARIES

- conda install ipython
- conda install jupyter
- conda install pymysql
- #conda install ephem
- #conda install -c astropy astroquery

INSTALL GIT

- You will need this to download the notebooks easier (but you can do it without git).
- https://git-scm.com/downloads