**Ocean Satellite Remote Sensing 2023**

**Setting up Your Mac Computer**

**To Login to the computer:**

***Your Username*** is your normal email address *up to, but not including, the @ symbol*.

***Your Password***: *satellite*

***The first time you logon to the computer***, it may take a few moments while the system sets up your ID and you may see the following MESSAGE WINDOWS:

1. Setup iCLOUD (***skip this***).
2. Setup Apple ID (***skip this***)

**Making Your Finder Window a Little Easier to Work With**

1. **Under the Finder Window**

* Select Finder > Preferences Menu (top left of the screen)
* Under the **General Tab** >
  + **New Finder Windows Show:** select ***Your home directory***
* Under the **Sidebar Tab** >
  + *Check* the box next to ***your home directory***
  + *Check* the box (*change is from dash to check*) for ***Hard Discs***

1. Depending on your preference for the direction your mouse scrolls…

* ***Launch System Preferences*** found in the toolbar at the bottom of the screen.
* Select Mouse
  + Uncheck Scroll direction: Natural

**Move the Unix *Terminal Window* Application to Your Menu Toolbar**

1. The ***“Terminal”*** *Unix* Application is located in the **Applications > Utilities** directory. Use your mouse to drag the application to the Toolbar/Dock for easy access in the future.
2. Click on the Terminal icon in the Toolbar/Dock to Launch the application.

**NOTE:** After you launch the *Terminal* Application you can open as many Terminal windows at once as you like. Just go to the menu at the top of the screen and click on **Shell > New Tab** or **New Window** (*whichever you prefer*) to open another Terminal Window.

**Move The *Sublime* Application to your Menu Toolbar**

1. Open a Mac Finder Window
2. Click on *Applications*
3. Click on *Sublime*
4. Use the mouse to Drag and Drop the ***Sublime***Application to your Dock/Toolbar to create a shortcut for launching the text editor.

**Create/Setup Your *.bash\_profile* File…**

1. Click on the Sublime text editor from the Menu Toolbar to launch the application.
   1. From the toolbar in Sublime, select: File > New
   2. Add the following line of code in the text file:  
        
      ***source /usr/local/env/setenv.sh satellite***
   3. Save The File
      1. You **MUST** save this file in your **Home Directory** (i.e., the directory with you login username!!
      2. Give the file the following name: **.bash\_profile** (note that the period at the beginning of the filename is essential).
2. Close Any Open Unix Terminal Windows.
3. Then open a new Terminal Window.

**NOTE:** The ***.bash\_profile*** file runs each time a new Terminal widow is first opened and so each time a new Terminal widow is opened the ***setenv.sh satellite*** command is run to set up the Unix environmental variables needed to run things in this satellite remote sensing class.

**Setup a Symbolic Links For Your Data and Python\_Programs Directories.**

You need use a special Unix command (*in bold type below*) to set up a symbolic link (similar to an alias) between the directory where your data and computer programs are actually stored *(/usr/local/satellite*) and your own home directory (/Users/*Your\_Username*). Once this is done, it will look as if all of your stuff is in your home directory (*Users/Your\_Username/*) when in fact it actually sits in the (/usr/local/satellite).

***Note:*** *This extra step in only necessary because of how this computer lab is configured. You will probably never need to do this sort of thing back home. Back home you would just use your home directory straightaway and not put things in /usr/local/satellite.*

To set the symbolic link, type the following into a New Terminal Window:

**ln -s /usr/local/satellite/data data**

**ln -s /usr/local/satellite/python\_programs python\_programs**