

# Computer Set Up Instructions for NEODAAS & FSF Training Course

## Python Software

Many of the tutorials will be using Python, for these we'll install Anaconda from: <https://www.anaconda.com/products/individual>

For details of how to install view the following video: [Installing Anaconda](#) (username and password are FSFNEODAAS if requested)

As there are a lot of different packages to install, we'll be using different 'environments' for each of them. For an overview on setting up environments see this video on [Anaconda Environments](#), please note that this video was produced for another course so you don't have to install the packages specified in the video.

You will need to set up the following environments:

### Airborne Processing Software

1. Create an environment called 'airborne'
2. Within this environment, installed the required packages using:

```
conda install -c https://data.neodaas.ac.uk/files/conda/ apl
conda install -c https://data.neodaas.ac.uk/files/conda/ arsf_tools
conda install -c conda-forge tuiview
```

Not that the apl package for mapping airborne data are only available on Windows and Linux, if you are using a mac please contact us.

### ARCSI (atmospheric correction)

1. Create an environment called 'arcsi'
2. Within this environment, install the required packages using

```
conda install -c conda-forge arcsi
```

This will likely take a while to install as needs to download and unpack a lot of packages.

### FSF

Add what you need here – if you want me to put some packages on our conda server then let me know

1. Create an environment called specdal
2. Within this environment, install the required packages using:

```
conda install pandas matplotlib numpy scipy
conda install jupyterlab
```

```
conda install -c https://data.neodaas.ac.uk/files/conda/ specdal
```

## SNAP

Download SNAP from <https://step.esa.int/main/toolboxes/snap/> and install by following [Installing SNAP](#) video

## ACOLITE

Download ACOLITE from <https://odnature.naturalsciences.be/remsem/software-and-data/acolite> and install following the [Installing ACOLITE](#) video.