Dependencies

os

tkinter

netCDF4

numpy

xlsxwriter

warnings

matplotlib

time

OS tested

Windows 10

Centos 7

Python Version

Windows10: 3.8

Centos7: 3.7

Anaconda3 package manager used

Use

python AMOF\_ncSuit.py

python3 AMOF\_ncSuit.py

Notes

For Windows10 file AMOF.ico **must** be in same folder as AMOR\_ncSuit.py source code

For Centos7 use of favicons is not supported. AMOF.ico not supplied.

This has not been test on any Mac OS but in principle the Centos7 package should work.

Overview

AMOF\_ncSuit is a GUI (graphical user interface) designed to aid inspection and visualisation of netCDF files produced by NCAS AMOF instrumentation. In principle any netCDF file can be opened and inspected using this interface but behaviour cannot be guaranteed. This interface allows the user to:

* Use an open file dialogue box to select the target file
* Inspect the global attributes, dimensions and variables defined in the file
* Select a particular variable and inspect this variables attributes and the data associated with it. Note data inspection is limited to m x n matrices.
* Plot a graph (and save to .png if required) of the selected variable.
* Extract the selected variable and save to and .xlsx file.

For full details on how to use the GUI see the associated user manual.