FLASH DROUGHT PROJECT MEETING
4 FEBRUARY 2025

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Mike Hobbins
David Hoffmann
Tess Parker

- Mike's Fortran code has been uploaded to GitHub : thanks, Mike! https://github.com/jb6465/flash-drought
- Jess has organised the GitHub repo with folders:
    - attribution_fortran
    - attribution_python
    - meeting_notes
    - relevant_studies
- Mike will generate a document giving the order of operations for the various parts of the attribution code. This will be more detailed than the workflow diagram presented in the slide deck in the November meeting (see November meeting notes).
- Our next step will be to Pythonise the Fortran code. This should be agnostic to data sets, as far as possible.
- Our objective is to test the Python attribution code against the Fortran code for a subset of MERRA2 data as a test case. (Mike has to do MERRA2 translation anyway.)
- We should also interrogate any data to be sure that we are using the same variables and conventions – e.g. what is the definition of the day for daily averages – is it 00 to 00 UTC, etc.? What are the variable units? What is the direction convention of any fluxes?
- Tess will produce a word document with the equations from the Fortran code.
- We'll meet again on Tuesday 11 March at 10:00 Aussie time, Monday 10 March at 16:00 Boulder time.