

Navigating the OCAAF Results

Data and maps generated for this project are provided online at:

www.climateontario.ca/p_OCAAF.php

The files are ordered first by study area (Clay Belt) and (southwestern Ontario), and within each directory there are 3 separate folders containing data and maps:

- 1) Climate
- 2) LSRS Components
- 3) Yield Analysis

In these folders, maps are provided as PNG files. Note that not all variables were mapped, but the raw data for further mapping is available in the data files. Data files are either provided as CSV files or EXCEL files split into individual grid points as the left most columns of latitude and longitude. Where rows are blank, there is no data. In the southern study, those points are either over water or outside of Canada.

Nomenclature for the files should be straightforward and easy to interpret; however, here are some clarifications for some variables:

- 1981-2010, baseline or 2000s refers to the historical data or maps, while future projections would be labelled with 2020s, 2030s, 2040s or 2050s.
- A file with a name such as “out-p-annual-2020s” would refer to annual precipitation for the 2020s. Also, ‘prec’ in a filename refers to precipitation.
- A file with ‘cs_end’ or ‘cs_start’ or ‘cs_length’ refers to crop season end/start/length date (julian day of year) or number of days (length).
- A file with ‘gs_end’ or ‘gs_start’ or ‘gs_length’ refers to growing season end/start/length date (julian day of year) or number of days (length).
- A file with ‘ff_days’ refers to frost free days per year.
- A file with ‘pe’ in the name refers to ‘potential evaporation’.
- A file with ‘ppe’ in the name refers to ‘precipitation minus potential evaporation’, which is an indicator of moisture availability.
- A file with ‘ppe5’ in the name refers to ‘precipitation minus potential evaporation’ value for May.
- A file with ‘ppe9’ in the name refers to the ‘precipitation minus potential evaporation’ value for September.
- A file with ‘ppe58’ in the name refers to the ‘precipitation minus potential evaporation’ value for the months of May to August.