

Help & Documentation*

Codes of this library is written by of Hydro Group members.

1 Directory descriptions

- `/data/hydro/jennylabcommon2/metdata/historical/UI_historical/VIC_Binary_CONUS_to_2016`

The data in above directory is for observed historical data. It contains **8** variables.

1. Time period: 1979-2016
2. variables: {**PPT, TMAX, TMIN, WIND, SPH, SRAD, RMAX, RMIN**}
unit: {mm/day, Celsius degree, Celsius degree, m/s, kg/kg, W/m2, %, %}

- `/data/hydro/jennylabcommon2/metdata/maca_v2_vic_binary/`

The data in above directory is related to modeled data. It contains **4** variables.

Variables:

1. {**PPT, TMAX, TMIN, WIND**}
2. {**mm/day, Celsius degree, Celsius degree, m/s**}

Time periods:

1. The historical data spans 1950-2005 and
2. projections are from 2006 through 2099 for rcp45 and rcp85.

Binary format:

1. unsigned short int for the first var (ppt),
2. signed short for all other variables multi: {40,100,100,100};

*Name of the programmer of functions is written in the code for debugging purposes. If you see any flaw, please contact the programmer.

So, in short

observed \equiv 8 variables \equiv 1979-2016 \equiv UI_historical in directory

modeled \equiv 4 variables \equiv 1950-2005 \equiv a short path including MACA at the end