

Help & Documentation*

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

1 Directory descriptions

- (Observed - 8 variables - 1979-2016)

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

1. Variables and units:

{PPT (mm/day), TMAX (Celsius), TMIN (Celsius), WIND(m/s), SPH(kg/kg),
SRAD (W/m2), RMAX (%), RMIN (%)}

- (Modeled - 4 variables)

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

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

1. Variables and units:

{PPT (mm/day), TMAX(Celsius), TMIN(Celsius), WIND (m/s)}

Time periods:

1. **Historical: 1950 - 2005** ,
2. **Projections (RCP 4.5 and RCP 8.5): 2006 - 2099.**

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) or (2006-2099) \equiv a short path including MACA at the end