

12/14/2020 Instructions

### Downloading RAWS Weather Data

PRIMR Survey: Climate Change: Meteorological Monitoring: Weather Stations, FF01RHFR00-011

Got to web site <http://www.wrcc.dri.edu/cgi-bin/rawMAIN.pl?hiHHAK>

- Click on Data Lister
- Select a Start and End date for the period that you want data from
- If the requested data are more than 30 days old you must scroll down and enter a password
- The password is Fire2010
- Select Excel as the data format
- I found the YYYY-MM-DD hh:mm to work well for the Date Format
- Time Format defaults to LST 0-23
- Hit Submit Info at the bottom of the page
- Data is downloaded in to “Downloads” folder
- Move to appropriate folder on the server, e.g. M:\Biology Files Reorg\Climate Change Meteorological Monitoring Weather Stations\Data\RAWS data\RAWS raw data download 2020
- Data is provided as an hourly summary, but can be manipulated in Excel to provide the summary by day, month, year, etc, (with pivot tables). See M:\Biology Files Reorg\Climate Change Meteorological Monitoring Weather Stations\Data\RAWS data\RAWS raw data download 2020\RAWS data all 2002\_2020.xlsx

I have found that precipitation data comes in as a cumulative value, but then resets at back to 0 at some random day/hour. If you want an hourly total, you can create a new field and subtract the hourly precip value from the previous hour from the value for the current hour. The difference is how much precip occurred in the current hour. Copy this field until the value resets to 0 and then repeat. Note: there may be another solution to get the data to download with an hourly precip summary. It might be worth an inquiry to RAWS database manager.

There are several summaries other daily and monthly summaries that can be calculated from the RAWS website for data <30 days old without needing password and download.