

Weather Station Output Data

The “Raw Data” collected from the District’s ten weather stations is available upon request. Below is an explanation of the data collection methods.

- 1.- Files are comma delimited
- 2.- Array ID 139 stands for daily output
- 3.- Array 129 stands for hourly output
- 4.- CR10 stands for the type of processor used on the weather station.

Daily output raw data example:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
139,	2007,	163,	2400,	75.4,	86.2,	67.4,	2.28,	2.648,	1.891,	.234,	.17,	25.39,	8.08,	.03,	13.32,	12.1,	33.85,	20.59,	4348

Daily Output			
1	Array ID	11	Average Solar Radiation (kW/m2)
2	Year	12	Grass Reference Evapotranspiration (in/day)
3	Julian Calendar day	13	Maximum Wind Speed (mph)
4	Hour (24 hour time)	14	Average Wind Speed (mph)
5	Average Air Time Temperature (Fahrenheit)	15	Total Rain Fall (inches)
6	Maximum Air Temperature (Fahrenheit)	16	Maximum Battery Voltage
7	Minimum Air Temperature (Fahrenheit)	17	Minimum Battery Voltage
8	Average Vapor Pressure (kPa)	18	Maximum CR10 Temperature (Celsius)
9	Maximum Vapor Pressure (kPa)	19	Minimum CR10 Temperature (Celsius)
10	Minimum Vapor Pressure (kPa)	20	CR10 program signature

Hourly output raw data example:

1	2	3	4	5	6	7	8	9	10	11	12
129,	2007,	164,	100,	69.8,	90,	2.164,	0,	0,	8.43,	145.5,	19.66

Hourly Output			
1	Array ID	7	Average Vapor Pressure (kPa)
2	Year	8	Average Solar Radiation (kW/m2)
3	Julian Calendar day	9	Grass Reference Evapotranspiration (in/day)
4	Hour (24 time)	10	Average Wind Speed (mph)
5	Average Air Time Temperature (Fahrenheit)	11	Average Wind Direction
6	Sample Relative Humidity	12	Standard Deviation of Wind Direction