

A DAVIS Vantage Pro2 Plus automatic station record the following parameters, every 30 minutes from 19/10/2019 5am, every 15 minutes from 11/12/2019 1pm and every 1 hour from 18/02/2021.

- Rainfall ($\pm 3\%$ of total or \pm one tip of the bucket (0.01"/0.2mm), whichever is greater)
- Temperature ($\pm 0.5^\circ\text{F}$ or $\pm 0.3^\circ\text{C}$; Radiation Induced Error: $+4^\circ\text{F}$ or 2°C at solar noon (insolation = 1040 W/m², avg. wind speed ≤ 1 ms))
- Humidity ($\pm 2\%$)
- Wind speed, m/s (± 2 mph (2 kts, 3.2 km/h, 0.9 m/s) or $\pm 5\%$, whichever is greater)
- Wind direction ($\pm 3^\circ$)
- Atmospheric pressure, mm (± 0.03 " Hg or ± 0.8 mm Hg or ± 1.0 hPa/mb)
- Ultra Violet (UV) Radiation Dose ($\pm 5\%$ of daily total, drift up to $\pm 2\%$ per year)
- Ultra Violet (UV) Radiation Index ($\pm 5\%$ of full scale)
- Visible light Solar Radiation ($\pm 5\%$ of full scale, drift up to $\pm 2\%$ per year)

Full specifications of the sensors are available here:

https://www.davisinstruments.com/product_documents/weather/spec_sheets/6152_62_53_63_SS.pdf

We also provide the following derived variables:

- Heat Index, $^\circ\text{C}$ ($\pm 2^\circ\text{F}$ or $\pm 1^\circ\text{C}$)
- Dewpoint, $^\circ\text{C}$ ($\pm 2^\circ\text{F}$ or $\pm 1^\circ\text{C}$)
- THSW Index, Unitless (Temperature-Humidity-Sun-Wind) ($\pm 4^\circ\text{F}$ or $\pm 2^\circ\text{C}$)
- THW Index, Unitless (Temperature-Humidity-Wind)
- Barometric Pressure, mm (± 0.03 " Hg or ± 0.8 mm Hg or ± 1.0 hPa/mb). This is atmospheric pressure adjusted to the equivalent sea-level pressure.
- Rain rate ($\pm 5\%$ for rain rates)
- ET, mm (Evapotranspiration) (Greater of 0.01" (0.25 mm) or $\pm 5\%$)
- Wind Chill (2°F or $\pm 1^\circ\text{C}$)

Description of these variables can be found here:

https://www.davisinstruments.com/product_documents/weather/app_notes/AN_28-derived-weather-variables.pdf

Missing values are indicated by the string "Missing". Not applicable is indicated by "---".