Personal Web Design Document

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**Weather**

|  |  |
| --- | --- |
| **ID** | **Data** |
| 1 | Date/Time |
| 5 | Outdoor Pressure |
| 6 | Outdoor Temperature |
| 7 | Outdoor Humidity |
| 9 | Wind Direction 10 minute average |
| 11 | Wind Speed 10 minute average |

Below is a list of weather alerts (advisories and warnings) that the weather station is capable of detecting and issuing. Thresholds for these alerts are based on criteria taken from the National Weather Service (NWS).

|  |  |
| --- | --- |
| **Alert** | **Conditions** |
| WIND ADVISORY | 46 to 57 mph gusts, 31 to 39 mph sustained winds |
| HIGH WIND WARNING | Over 58 mph gusts, over 40 mph sustained winds |
| HEAT ADVISORY | 100 to 105 °F outdoor temperature |
| EXCESSIVE HEAT WARNING | Over 105 °F outdoor temperature |
| WIND CHILL ADVISORY | Under 50 °F, wind speed over 5 mph, -15 to -25 wind chill |
| WIND CHILL WARNING | Under 50 °F, wind speed over 5 mph, under -25 wind chill |
| SEVERE T-STORM WARNING | Over 1 inch of precipitation, gusts over 58 mph |
| FLASH FLOOD WARNING | 3 inches or more of precipitation in the hour |

**Astronomy**