

Weatherstation Measurement Specification

Da Vinci Data provides weather data from weatherstations around the world. Each of these weatherstations measures an array of different meteorological data. Details of each of these data measurements are included in the table below.

| Measurement | Code | Format |
|--|--------|--|
| Station number | STN | N/A |
| Date | DATE | Date in YYYY-MM-DD format. |
| Time | TIME | Local time in HH:MM:ss format. |
| Temperature | TEMP | Temperature in <i>degrees celsius</i> . |
| Dew point | DEWP | Dewpoint in <i>degrees celsius</i> . |
| Atmospheric pressure at station altitude | STP | Atmospheric pressure at station altitude in <i>millibars</i> . |
| Atmospheric pressure at sea level | SLP | Atmospheric pressure at sea level in <i>millibars</i> . |
| Visibility | VISIB | Visibility in <i>kilometers</i> . |
| Windspeed | WDSP | Windspeed in <i>kilometers per hour</i> . |
| Precipitation | PRCP | Precipitation in <i>centimeters</i> . |
| Snow fall | SNDP | Snow fall in <i>centimeters</i> . |
| Cloud cover | CLDC | Cloud cover in <i>percentages</i> . |
| Winddirection | WNDDIR | Winddirection in <i>arc degrees</i> . |

Events

Aside from the above measurements Da Vinci Data also registers whether any weather specific events have occurred that day. These events are simply represented by a true or false value.

| Event | Details |
|--------------|--|
| Freeze | Whether the temperature has dropped below 0 degrees celsius. |
| Rain | Whether any precipitation has occurred. |
| Snow | Whether any snowfall has occurred. |
| Hail | Whether any hail has fallen. |
| Thunderstorm | Whether any thunderstorms have occurred. |
| Tornado | Whether any tornados have occurred. |