**Temp Out – Outside Temperature**

Outside temperature is read by the sensor located approximately 1.25m above ground level. Temperature is sampled every 15 seconds and an average over the archive interval is taken as the data record.

**Hi Temp – Temparature High**

The highest recorded temperature in the archive interval.

**Low Temp – Temperature Low**

The lowest recorded temperature in the archive interval.

**Out Hum – Outside Humidity**

**Dew Pt. – Dew Point**

Dew point is the temperature to which air must be cooled for saturation (100% relative humidity) to occur, providing there is no change in water content.

Dew point is calculated at the end of each archive interval based on temperature and relative humidity.

**Wind Speed – Wind Speed**

**Wind Dir – Wind Direction**

The weather station records the direction the wind is coming from as a compass reading when the wind speed is above zero.

**Wind Run – Wind Run**

The amount of wind in kilometres passing the station within the archive interval. Wind run is calculated by multiplying the avarage wind speed for the archive interval by the time of the archive interval.

**Hi Speed – Wind Speed High**

**Hi Dir – Wind Direction High**

**Wind Chill**

The weather station uses the Osczevski (1995) equation to calculate wind chill.

**Heat Index**

**THW Index**

**THSW Index**

**Bar**

**Rain**

**Rain Rate**

**Solar Rad.**

**Solar Energy**

**Hi Solar Rad.**

**Heat D-D**

**Cool D-D**

**In Temp**

**In Hum**

**In Heat**

**In EMC**

**In Air Density**

**ET**

**Wind Samp**

**Wind Tx**

**ISS Recept**

**Arc. Int.**