**Vaisala WXT534**

The Vaisala WXT534 is mounted at the top of the 30 m mast at met city. The logger in the box at the base of the 10 m tower logs the data. The system is also powered from this box. The instrument measures temperature, pressure and humidity.

**Turning the system on/off:**

Connect/disconnect power source.

Fused 1A 12 VDC.

**Communications & Settings:**

The WXT534 is connected the data logger control channel C3. Refer to the wiring diagram for details. The measurements are collected using a polled digital protocol, SDI-12. The only setting that needs to be applied to the sensor configuration is its SDI-12 address, which is 0 (the default address is 0). The device can be contacted using the SDI-12 mode of the LoggerNet terminal emulator on channel C3. Data is collected at 5 second intervals on a SlowSequence in the logger program.

**Variables:**

mast\_T: temperature in Celcius

mast\_P: pressure in hPa

mast\_RH: relative humidity in percent

**Post Processing:**

Hopefully minimal. Basic quality control.

**Daily Data Checks:**

* Make sure that data being collected and the values look normal.