

# ISFS Data Check 10 Sept

It's been a while.

Check time series since 3 August.

- NCharts and DSM Dashboard are running.
- Ignore data gaps - issue has been identified (refer to August blog posts).
- TRH - ok
- P - ok
- Pirga
  - Pirga.7m is offset from P.7m by +6mb (Pirga higher).
  - Pirga.27m measures too high. Pirga.27m > Pirga.17m.
- Tirga
  - Tmote measures wildly divergent values compared to all T measurements
- Radiometer - ok
  - QC Note: 3 spikes 03:32:30 5 Aug, 05:42:30 15 Aug, 04:02:30 27 Aug)
  - Rpile.in [-150, -25], Rpile.out [-70, 125] W/m2
  - Rsw.in [-7, 1200], Rsw.out [-1, 240] W/m2
  - Tcase - ok
  - Wetness - spikes at time where there was no rain ??, i.e. > 1 Sept
- Soils
  - Gsoil - ok [-30, 55]W/m2
  - Lamdasoil
    - QC Note - Spike at 03:37:30 28 Aug.
  - Qsoil - ok
  - Tau63 - ok
    - QC Note - Spike at 05:02:30 29 Aug.
  - Tsoil - As Steve noted - all data are bad.
- Sonic - ok
- co2/h2o
  - Persistent bias: co2.7m > co2.27m > co2.17m
  - QC Notes
    - co2 at all levels and h2o.17m bad 18:17:30 3 Aug - 18:17:30 4 Aug
    - h2o.27m spikes 16, 26 Aug, 4, 8 Sept
    - co2.27m spikes
  - Tcase - ok (2 spikes)
- Batteries
  - QC Note: Bad 10 Aug
  - Vheat - ok
  - Vbatt - ok
  - Vcharge - ~27.9 V
  - Vpile\_Off, Vpile\_On - ok
  - iload - ok. [1.6 - 2.2] A
  - icharge - ok. [-.2 to 0.1] A
  - I3mote - ok. ~ 50 mA (minus spikes).
  - Imote - ok ~15 mA (minus spikes).
  - Rfan - ok [5400 - 5650] rpm