

ISFS Data Check - 20 July

Checked time series on NCharts & Dashboard since 7 July.

DSM Dashboard is offline as of this morning at least.

- 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 showing wildly divergent values compared to all T measurements
- Radiometer - ok
 - Rpile.in [-140, 0], Rpile.out [-25, 80] W/m2
 - Rsw.in [-7, 1200], Rsw.out [-1, 200] W/m2
 - Tcase - ok
 - Wetness - ok
- Soils
 - Gsoil - ok [-30, 65]W/m2
 - Lamdasoil - ok overall
 - Data gap between 4 July ~11:30 - 13 July ~12:00
 - QC Note - anomalously large dip from 14 July 01:02:30 to 09:57:30.
 - Qsoil - units changed from vol% to m³/m³ fraction. Ok [0, 14]%
 - Tau63 - ok overall
 - Data gap between 4 July 11:27:30 - 13 July 12:52:30
 - QC Note - A few spikes to filter
 - Tsoil - ok
 - 0.6 cm [13, 55] degC
 - 1.9 cm [16, 44]
 - 3.1cm [17, 39]
 - 4.4 cm [18, 35]
- Sonic - ok
- co2/h2o
 - co2 - ok-ish? co2.7m > co2.27m > co2.17m
 - Spikes on 13 July, 14 July (lightning?) rearrange the co2 time series - don't know if that's to be expected.
 - h2o/co2 at 27m not reporting since 19 July 14:22:30. With the Dashboard offline I'm unsure if this is NCharts or instrument related.
 - QC Note: h2o spikes on 18 July.
 - Tcase - ok
- Batteries
 - Vheat - ok overall
 - Data gap between 4 July 11:27:30 - 13 July 12:52:30
 - QC Note - A few spikes to filter
 - iload - ok. Units changed on NCharts from mA to A. [1.85 - 2] A
 - icharge - ok. Units changed on NCharts from mA to A. [-.175 to 0.025] A
 - Vbatt - ok
 - I3mote - elevated between 8-14 July. Hovering around 50 mA since 15 July.
 - Imote - same as I3mote. Hovering around 15 mA since 15 July.
 - Vcharge - ~27.9 V
- Rfan - range 5400 - 5600 rpm