ISFS Data Check 6 July

Reviewed the measurements on NCharts since 1 July.

- TRH - ok
- P - ok
- Radiometer - ok
    - Rpile.in [-125, 0], Rpile.out [-25, 60] W/m2
    - Rsw.in [-7, 1200], Rsw.out [-1, 200] W/m2
    - Tcase - ok - generally measures higher than T [10, 35] degC
    - Wetness - ok
- Soils
    - Gsoil - ok range [-20, 65]W/m2
    - Lamdasoil - ok overall
        - QC Note - anomalously large dip from 2 July 19:00 to 3 Jul 10:45.
    - Qsoil - values remain low (< 1% vol)
    - Tau63
        - QC Note - Spikes from 2 July ~18:42 that are now flatlined at 0.02 s
    - Tsoil - Tsoil.0.6cm seems too high or too low compared to the others. Maybe this is real, but can someone double check on their visit out there?
    - Vheat - ok overall
        - QC Note - Same as Landasoil - anomalously large dip from 2 July 19:00 to 3 Jul 10:45.
- Sonic - ok
- co2/h2o
    - co2 - ok [550,650]
    - h2o - I just noticed that around 25 June ~ 14:12, h2o.27m values jumped and are now much higher than h2o.17m and h2o.7m. Steve did a power cycle sometime on 26 June but that didn't seem to do much. H2o.27m remains higher than expected.
    - Tcase - ok
- iload - ok range - 1800 - 2000 mA
- icharge - ok range -175 to -25 mA
- Vbatt - ok
- l3mote - elevated during the 4th July weekend at ~ 100 and 125 mA. Hovering around 65 mA
- lmote - elevated during the 4th July weekend at 25-35 mA. Hovering around 18 mA
- Lamda - no values on Ncharts. Data stopped at 15 June.
- Pirga -
    - Pirga.7m is offset from P.7m by +6mb (Pirga higher).
    - Pirga.27m measures too high - Pirga.27m > Pirga.17m.
- Tirga
    - Tmote is showing wildly varying numbers compared to Tirga
- Rfan - range 5400 - 5600 rpm
- Vcharge - ~27.9 V