ISFS Data Check 6 July

Reviewed the measurements on NCharts since 1 July.

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• TRH - ok
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- P ok
- Radiometer ok
 - o 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?
- O 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
 - o 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
- I3mote elevated during the 4th July weekend at ~ 100 and 125 mA. Hovering around 65 mA
- Imote 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