

# Daily status 19 October

10/19/13

Summary:

- Everything is working!
- IOP4 begins tonight. Last night was a pretty good case (an "EOP" according to Sebastian), but tonight is supposed to be better.
- ISFS shift change: Tom flies out today; Semmer drives in tomorrow; I'm here
- ISS shift change: Cohn arrived yesterday; Phil leaves tomorrow.

Actions past 24 hours:

- Swapped TRH.30m.near. Temperature profiles have been improved and Ifan is normal.
- Reseated Xbee radio in soil.near. No data outages since.
- Tsoil.4.4cm.near appears to have been fixed magically by the soil mote work!

To dos:

- Swap battery on P.nne and/or check connections.
- Clean flr radiometers
- Take gravimetric soil samples (waiting for scales and oven)

Sensor status:

T/RH: ok. Down to -5 at the bottom of the crater last night.

P: ok, though data\_stats shows P.nne with wider min/max sample reporting times than other crater P's.

csat u,v: ok

csat ldiag: ok

csat w, tc: ok. Sustained downdrafts at rim during 2 periods last night

kh2o: ok. An odd shift at near about noon (when we were there).

motes: ok!!! no outages.

Wetness: You've got to be kidding! Dry as a bone for days here... (ok)

radiation: still seeing odd SPN1 data, especially at flr. Those radiometers have never been cleaned -- will do today.

Tsoil: ok

Gsoil: ok

Qsoil: far and flr have been negative except for during the one rain event. Should be recalibrated with gravimetric (or assumed =0!)

Cvsoil: ok (I actually did this calculation yesterday. There was a shift after the rain 1.5 weeks ago, presumably as the probe settled into the soil.)

2D sonic: ok