

# Daily status 19 Jan

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On site: Oncley, Militzer

Rain started at 2AM last night and killed kryptons. Sleet on campus.

Summary:

- All kryptons now dead...again...
- Radiometer motes at 4&7 both lost connections at 0630 this morning.

Vdsm: ok, Min this AM: 12.4-12.5V.

Vmote.rad: ok. Min this AM: 12.5-13.0V

Vmote.soil(aux): ok. Min this AM: 12.3-12.9.

P: ok 850 to 875 mb, rising, minimum about 0100 last night.

T: ok 0 to +8 degC. Hiland3 now fixed.

RH: ok 30-95%.

Rainr (3,4,6): ok. Totals 9.4, 3.4, 7.1mm, respectively last night.

Spd (1,6): ok.

Dir (1,6): ok.

Sonics: 3, 5, 6 having problems in rain -- 5 especially has died

csat diag: ok. 3, 5, 6 all having problems with rain.

samples.sonic: ok, some big dropouts from 4 & 5

spd: ok, except 5 now

dir: ok,

u'u': ok, max 2 m<sup>2</sup>/s<sup>2</sup>

v'v': ok, max 3 m<sup>2</sup>/s<sup>2</sup>

w'w': ok, max 1 m<sup>2</sup>/s<sup>2</sup>

u\*: ok, max 0.8 m/s

sigma\_w/u\*: ok

tc: ok,

tc'tc': ok max 0.5 degC

w'tc': ok, -0.1 to +0.1 m/s degC (-100 to +100 W/m<sup>2</sup>);

kh2oV: max 1.0--2.5, but now 0 in rain.

kh2o'kh2o': daytime up to 0.03

w'kh2o': mostly up to 0.04 (100 W/m<sup>2</sup>) during day yesterday

Rsw.in: ok, max 580-670 W/m<sup>2</sup> yesterday.

Rsw.out: ok, max 60-180 W/m<sup>2</sup> yesterday. (no snow!)

albedo: ok, were all <0.2 at the end of yesterday, but now 5 & 6 are >0.6 with fresh snow/sleet.

Rsw.dfs (1,7): ok, but SPN-1 seems to be high.

Rsw.global (1,7): ok.

Rlw.in: ok, 240-330 W/m<sup>2</sup>. Coherent pattern across the network. A few low clouds at 1AM at 3&5?

Rpile.in: ok, -120 to 0 W/m<sup>2</sup>

Tcase.in: ok, 0 to +13 degC

Tdome.in (1,2,5): ok

Rlw.out: ok, 320-380 W/m<sup>2</sup>

Rpile.out: ok, -50 to +20 W/m<sup>2</sup>

Tcase.out: ok

Tdome.out (1,2,5): ok

soil.aux at E & W Slope (5,6)

Tsoil: ok. Interesting stuff. All but 7 completely thawed.

Gsoil: ok. All sites had negative fluxes yesterday -60 -- +20 W/m<sup>2</sup>, almost like "normal" conditions

Qsoil: ok. Lots of movement, upward from rain

Cvsoil: ok. Mostly tracked Qsoil increases yesterday