

# daily status 20 Jan

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On site: Oncley, Militzer

Absolutely clear morning with great visibility. There appears to be fog over the lake.  
There was frost on the van windows at the Rez.  
Everything's working, so we're off to Campbell Sci.

## Summary:

- Kryptons are happy
- Batteries are happy
- TRHs are happy
- Motes are happy (we had to swap one yesterday that had rain damage)
- We're happy

Vdsm: ok, Min this AM: 12.2-12.5V.

Vmote.rad: ok. Min this AM: 12.4-12.9V

Vmote.soil(aux): ok. Min this AM: 12.2-12.8.

P: ok 850 to 875 mb, rising

T: ok -8 to +3 degC

RH: ok 60-90%.

Rainr (3,4,6): tips at hiland3 early this morning can't be real...

Spd (1,6): Prop stalled at wally6 this morning, still hasn't recovered

Dir (1,6):

csat diag: ok.

samples.sonic: ok

spd: ok, except 5 now

dir: ok, some sustained E and W at different sites -- good drainage case?

u'u': ok,

v'v': ok,

w'w': ok,

u\*: ok, max 0.6 m/s

sigma\_w/u\*: ok

tc: ok,

tc'tc': ok

w'tc': ok, -0.04 to +0.08 m/s degC (-40 to +80 W/m2);

kh2oV: max/now 1.3--2.1, the last krypton recovered from rain at 5pm yesterday

kh2o'kh2o': ok

w'kh2o': ok, up to 0.03 (75 W/m2) during day yesterday

Rsw.in: ok.

Rsw.out: ok

albedo: ok, 0.1-0.3 by the end of the day yesterday. The snow we saw at 6 must be melting (hence the mud)

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

Rsw.global (1,7): ok.

Rlw.in: ok, 200-310 W/m2. Cold and pretty clear last night (with a nearly full moon)

Rpile.in: ok,

Tcase.in: ok,

Tdome.in (1,2,5): ok. tiny differences between sensors 1-2-3 seen during the day

Rlw.out: ok, 280-350 W/m2

Rpile.out: ok,

Tcase.out: ok

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

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

Tsoil: ok. some sites freezing up again

Gsoil: ok.

Qsoil: ok. abc2 froze up again last night

Cvsoil: ok. strange wslope6 increase...