

Daily status 22 Jan

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On site: Oncley, Militzer

A bit of rain last night, morning of broken clouds.

Summary:

- kryptons at 3,4,6 reading 0 due to the rain
- 3G modem at 4 died yesterday and wasn't rebooted by dsm crontab. Data saved locally, so no loss.
- Shadowbands at 1&7 should be adjusted (more). Inclination angle should be set to 60 deg.
- Oil clean-up people left yesterday near base.
- Tour given to John Horel's undergraduate instrument course yesterday

Vdsm: ok,

Vmote.rad: ok.

Vmote.soil(aux): ok.

P: ok, steady after falling until 11PM last night

T: ok, 0 to +7 degC (warmer)

RH: ok, 40-95%.

Rainr (3,4,6): ok, 0.8, 0.3, 1.0mm overnight, respectively

Spd (1,6): ok

Dir (1,6): ok

csat diag: ok, 6 & 7 showed simultaneous glitches yesterday, so must be physical

samples.sonic: ok,

spd: ok,

dir: ok,

u'u': ok,

v'v': ok,

w'w': ok,

u*: ok, max 0.8 m/s

sigma_w/u*: ok, a few low values at 3 (why not at 2??)

tc: ok,

tc'tc': ok

w'tc': ok, -0.01 to +0.10 m/s degC. Was pretty nice yesterday

kh2oV: ok, max 1.5--2.2 yesterday, stns 3,4,6 now 0 due to rain

kh2o'kh2o': ok

w'kh2o': ok, up to 0.02 (50 W/m2) during day yesterday

Rsw.in: ok, overcast yesterday morning, but cleared up in afternoon

Rsw.out: ok.

albedo: ok, 0.1-0.2

Rsw.dfs (1,7): "ears" in morning and afternoon in shadowbands (but not SPN-1) show that adjustment is needed (see Summary)

Rsw.global (1,7): ok.

Rlw.in: ok, 240-320 W/m2

Rpile.in: ok,

Tcase.in: ok, 0-16 degC

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

Rlw.out: ok, 310-390 W/m2

Rpile.out: ok,

Tcase.out: ok

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

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

Tsoil: ok. Only 7 is still below freezing

Gsoil: ok. Interesting abc change during the day yesterday

Qsoil: ok. apparent or real increases due to soil thawing

Cvsoil: ok.