

Daily status 21 Jan

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On site: Oncley, Militzer

High overcast over the entire valley; an inversion developing especially to the south.
IOP6 is in progress.

Summary: Everything OK.

Vdsm: ok, Min this AM: 12.3-12.5V. (great charging yesterday when completely clear)

Vmote.rad: ok. Min this AM: 12.5-12.9V

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

P: ok 850 to 890 mb, minium last night, now rising

T: ok -6 to +2 degC

RH: ok 50-85%.

Rainr (3,4,6): ok, zero everywhere

Spd (1,6): ok

Dir (1,6): ok

csat diag: ok.

samples.sonic: ok

spd: ok, river7 higher than the rest (normal for this situation)

dir: ok.

u'u': ok,

v'v': ok,

w'w': ok,

u*: ok, max 0.4 m/s

sigma_w/u*: ok, odd at eslope5 at 01:30

tc: ok,

tc'tc': ok

w'tc': ok, -0.02 to +0.10 m/s degC. Nice clear-sky case.

kh2oV: ok, max/now 1.2--2.3

kh2o'kh2o': ok

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

Rsw.in: ok. Mostly clear yesterday with spikes both high and low

Rsw.out: ok. Strange shape at wslope6, presumably due to snow melt

albedo: ok, 0.1-0.2 by the end of the day yesterday, though higher again this morning (probably frost on incoming dome)

Rsw.dfs (1,7): large values morning and evening even though shadowband at playa1 adjusted yesterday and river7 a few days ago. Note that SPN-1 (with no adjustment capability) shows the same.

Rsw.global (1,7): ok.

Rlw.in: ok, 220-300 W/m2. Coherence across network last night

Rpile.in: ok,

Tcase.in: ok,

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

Rlw.out: ok, 290-360 W/m2

Rpile.out: ok,

Tcase.out: ok

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

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

Tsoil: ok. many sites have freeze/thaw cycles

Gsoil: ok. Interesting abc change during the day yesterday

Qsoil: ok.

Cvsoil: ok.