

Daily status 16 Jan

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On site: Oncley, Militzer

Sprinkles today (thus warmer)

Summary:

- WVally4 Temperature/RH sensor had been down since 2PM yesterday. Fixed 8AM today. No good excuses this time.
- Since 2 TRHs have just died with getting wet, we want to try sealing everything better. This AM we also went to WSlope6 and ABC2 to recoat/seal the SHT connectors.
- Eslope5 Radiometers were down from 9AM - 2PM 14 Jan. The radiometer XBee radio had to be reset.
- All kryptons died in rain last night -- some we've let recover on their own, but we cleaned/dried 2&6.
- Warmer temperatures should give another opportunity to take soil cores. We'll wait another day or two.

Vdsm: ok, lowest values still at 7. Min this AM: 12.2-12.5V. Lowest is river7.

Vmote.rad: ok. Min this AM: 12.5-12.8V

Vmote.soil(aux): ok. Min this AM: 12.3-12.9. lowest is eslope5 main.

P: ok 845 to 875 mb, falling.

T: ok -6 to +6 degC, Playa1 lower than the rest

RH: ok 73-102% overnight. Playa1 highest (note the now 102%).

Rainr (3,4,6): ok. Totals 0.8, 0.3, 0.5 mm, respectively last night.

Spd (1,6): ok.

Dir (1,6): ok.

csat diag: ok. Many had issues last night.

samples.sonic: ok

spd: ok, River7 bad 0600-0700 this morning.

dir: ok, 4,6,7 stations south, others variable

u'u': ok, max 1.0 m2/s2

v'v': ok, max 1.2 m2/s2

w'w': ok, max 0.7 m2/s2

u*: ok, max 0.5 m/s

sigma_w/u*: 1&3 have excursions below 1

tc: ok, 5 bad in last night's rain

tc'tc': ok max 0.6 degC

w'tc': ok, -0.03 to 0.06 m/s degC;

kh2oV: max 0.9--2.0 yesterday. All bad overnight. 4&6 kleaned today.

kh2o'kh2o': daytime very small

w'kh2o': max << 0.01 during day

Rsw.in: ok, max 200-450 W/m2 yesterday.

Rsw.out: ok, max 130-280 W/m2 yesterday.

albedo: ok, 0.55-0.75 yesterday. Snow is going...

Rsw.dfs (1,7): max 350&365 W/m2 yesterday. River SPN-1 somewhat higher

Rsw.global (1,7): Within 40 W/m2 of Rsw.in values -- also true for SPN-1. (but see my logbook entry yesterday)

Rlw.in: ok, 240-340 W/m2. Coherent pattern across the network

Rpile.in: ok, -90 to 0 W/m2

Tcase.in: ok, -6 to +16 degC

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

Rlw.out: ok, 280-320 W/m2

Rpile.out: ok, -70 to +5 W/m2

Tcase.out: ok

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

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

Tsoil: ok. concave profile at 2. Frozen completely only at 7.

Gsoil: ok. 7 now negative

Qsoil: ok. Most have increased, either due to rain or thawing

Cvsoil: ok