

# Daily status 15 Jan

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On site: Oncley, Militzer

No precip last night. Mid-level overcast. Noticeably warmer.

Summary:

- River7 Temperature/RH sensor had been down since 10AM 13 Jan. Fixed 5PM 14 Jan. We feel really bad that this was bad for so long. Our only "excuse" is that the grey color used for River7 caused it to hide on the black axes of the WWW plots. Also, since it reported (bad) values, cockpit didn't show it as missing...
- Eslope5 Radiometers were down from 9AM - 2PM 14 Jan. The radiometer XBee radio had to be reset.
- Only Playa1 and ABC2 kryptons read low values last night -- we'll let them recover on their own.
- Warmer temperatures may 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.

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

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

P: ok 855 to 885 mb, falling.

T: ok -8 to +4 degC, Playa1 lower than the rest

RH: ok 75-101% overnight. Playa1 highest (note the 101%).

Rainr (3,4,6): ok. None.

Spd (1,6): ok.

Dir (1,6): ok.

csat diag: ok. Some issue at river7 at midnight.

samples.sonic: ok

spd: ok, River7 has strong drainage not seen at other sites (but consistent with other MesoWest stations)

dir: ok, most stations south, playa1 and wslope4 show some northerly intrusions

u'u': ok, max 1.0 m2/s2 higher variations 6&7

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

w'w': ok, max 0.5 m2/s2

u\*: ok, max 0.4 m/s

sigma\_w/u\*: 1&6 have the same excursions even below 1 (perhaps real?)

tc: ok

tc'tc': ok max 0.6 degC; large values at 5,6,7

w'tc': ok, -0.03 to 0.06 m/s degC; large overnight negative values at 5&6.

kh2oV: max 1.0--2.1 yesterday. 1&2 bad overnight. Lowest now is 0.3V@2

kh2o'kh2o': daytime very small

w'kh2o': max < 0.01 during day

Rsw.in: ok, max 450-650 W/m2 yesterday.

Rsw.out: ok, max 315-450 W/m2 yesterday.

albedo: ok, 0.7-0.8 yesterday. 6 had decreasing values during day, but back now. All may get lower if warming continues.

Rsw.dfs (1,7): max 150&250 W/m2 yesterday. River SPN-1 somewhat higher

Rsw.global (1,7): generally within 10 W/m2 of Rsw.in values -- also true for SPN-1.

Rlw.in: ok, 240-320 W/m2. Coherent pattern across the network

Rpile.in: ok, -150 to 0 W/m2

Tcase.in: ok, -5 to +14 degC

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

Rlw.out: ok, 270-320 W/m2

Rpile.out: ok, -100 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 (only) at 2, 7, some 5 and 6

Gsoil: ok.

Qsoil: ok. 2,5,6 partly frozen (consistent with Tsoil)

Cvsoil: ok