

Daily status 14 Jan

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On site: Militzer, Oncley (back again)

Another snow last night and low overcast in morning.

Summary:

- Playa1 developed a memory issue yesterday and crashed at 4pm. Rebooted this morning, but there are no data from last night.
- "flux" computer in base was sluggish -- dsm_server died yesterday about 2pm. Rebooted and servers restarted.
- All kryptons read low values last night (must be because Oncley is now here).
- 3Batteries Stn1,3,5,6; Insulation added to all.

Vdsm: ok, lowest values still at 7. Overall 12.2-12.4V.

Vmote.rad: ok.

Vmote.soil(aux): ok. lowest is eslope main

Current Conditions:

P: ok 845 to 885 mb, rising.

T: ok -4 to +1 degC

RH: Currently 60-100%. All >90% last night.

Rainr (3,4,6): Totals 2.8, 1.8, 1.0mm, respectively, last night

Spd (1,6): ok.

Dir (1,6): ok.

csat diag: ok (slightly surprising, given snow, but playa1 sonic was clear of snow this morning)

samples.sonic: ok

spd: ok, Generally <2 m/s overnight.

dir: ok, most stations west

u'u': ok, max 1.0 m2/s2 higher variations 5&6

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

w'w': ok, max 0.4 m2/s2

u*: ok, max 0.5 m/s

sigma_w/u*: 6&7 have the same excursions even below 1 (perhaps real?)

tc: ok, -4 to +2 degC.

tc'tc': ok max 2.2 degC; large values at 5&6

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

kh2oV: max 1.6--2.8 yesterday. All bad overnight. Lowest now is 0.3V@3

kh2o'kh2o': daytime very small, <.01.

w'kh2o': 0 to 0.010 during day

all radiometers could have snow (except 1 that we cleaned this morning)

Rsw.in: ok, max 350-650 W/m2 yesterday. Now 100-400.

Rsw.out: ok, max 250-450 W/m2 yesterday.

albedo: ok, 0.7-1.0 yesterday.

Rsw.dfs (1,7): max 200-350 W/m2 yesterday. River SPN-1 pretty close

Rsw.global (1,7): generally agrees with Rsw.in values

Rlw.in: ok, 230-320 W/m2

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

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

Tdome.in (1,2,5): ok, -5 to +14 degC

Rlw.out: ok, 285-320 W/m2

Rpile.out: ok, -80 to +5 W/m2

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

Tdome.out (1,2,5): ok, -5 to +13 degC

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