

# STATUS Dec 22, 2010

Status evaluated from 36 hour plots on Dec 22 15:00-16:00 MST  
On site: Steve S and Chris

Weather: wet snow/rain this morning

Summary: no Tsoil at W Slope main  
station 3 & 5 down this morning, repaired  
sonic heights completed today

Vdsm: ok, 11 - 13.7v battery problem at 2 resolved yesterday  
Vmote.rad: ok, 12.3-13.4v  
Vmote.soil: 12.0-13.4V

P: ok, 836 to 870 mb  
Tbaro: ok, 0 to 11 degC  
T: ok, -2 to 4 degC  
RH: ok, 88 to 100%  
Q: ok, 3.6 to 5.8 gm/kg  
Rainr (3,4,6): ok, snow/rain this morning  
Spd (1,6): ok, up to 7 m/s  
Dir (1,6): ok, currently N(site 1) and S (site 6)

csat diag: ok, some spiking  
spd: ok, up to 5 m/s  
dir: ok  
u'u': ok, generally  $< 1 \text{ (m/s)}^2$   
v'v': ok, generally  $< 1 \text{ (m/s)}^2$   
w'w': ok, generally  $< 1 \text{ (m/s)}^2$   
u\*: ok, up to 0.5 m/s  
sigma\_w/u\*: ok, ~1.3

tc: ok, -8 to 10 deg C, spiking today  
tc'tc': generally  $< .5 \text{ degC}^2$ , ditto on spikes  
w'tc': ok, -0.1 to 0.05 m/s degC

kh2oV: ok, 0 to 1.5, all at zero this morning, cleaned 2 this afternoon  
kh2o'kh2o': ok, generally  $< .01$ , spikes throughout the period  
w'kh2o': ok, -.02 to .02, jumps  $>-.2$  to  $>.2 \text{ (m/s g/m}^3\text{)}$

Rsw.in: ok, up to 230 W/m<sup>2</sup> on 12/22  
Rsw.out: ok, up to 170 W/m<sup>2</sup> on 12/22, site 2 reading lower than others, this is a water site!  
albedo: ok, .1 to 1, snow cover on sensors  
Rsw.dfs (1,7): ok, up to 200 W/m<sup>2</sup> on 12/22  
Rsw.global (1,7): ok, up to 210 W/m<sup>2</sup> on 12/22

Rlw.in: ok, 270 to 330 W/m<sup>2</sup>  
Rpile.in: ok, -50 to 0 W/m<sup>2</sup>  
Tcase.in: ok, -2 to 5 deg C  
Tdome.in (1,2,5): ok, -1.5 to 4.8 deg C

Rlw.out: ok, 290 to 340 W/m<sup>2</sup>  
Rpile.out: ok, -25 to 5 W/m<sup>2</sup>  
Tcase.out: ok, -2 to 5 deg C  
Tdome.out (1,2,5): ok, -1.5 to 4.5 deg C

soil.aux at E & W Slope (5,6)  
Tsoil: ok, 0 to 5 C,  
Qsoil: 15 to 36 %vol  
Gsoil: -35 to 18 W/m<sup>2</sup>, low value from site 2 which is turing into a lake!  
Cvsoil: 8e5 to 3.4e6