

Daily status, June 29

June 29, 15:15 CDT
Tom Horst (in Boulder)

Summary: Stations 2-4 operational, KK on site
Stn 1 operational ~14:00 today
Stn 2 RH.2m questionable; replacement due today
Perhaps see effect of turbine wake in w'tc' and tc'tc'(???)

Vdsm: 13.5-14 V during day, down to 12.5 at night
P: ok, relative pressures suggest site rises from south to north(?)

T.2m: ok, stns are less homogeneous at night, which is not surprising
RH.2m: 80-90% at night; stns 1 & 2 often a few %RH less than stns 3 and 4
H2O.2m: stns 1 and 2 are ~1 gm/m³ less than stations 3 and 4 @ 16:00,
but within 0.5 gm/m³ at night (stns 2,3,4)
Wetness: dry...

T.10m: ok, stns are less homogeneous at night, which is not surprising
Gordon's hack seems to be working
RH.10m: ok, 80-90% at night
H2O.10m: ok, within < 0.3 gm/m³ at night

Spd.10m: ok
Dir.10m: ok, winds from the south!!

T.10m - T.2m: ok, diurnal cycle as expected
H2O.10m - H2O.2m: ok, no significant values > 0

spd.4.5m: ok
dir.4.5m: ok
w.4.5m: ok
tc.4.5m: ok, all sites agree within +/- 0.5 degC
ldiag: ok

kh2o: ok
h2o(licor): ok
ldiag (licor): ok

TKE.4.5m: ok
w'w': ok, similar at all sites
u*: ok, similar at all sites
w'tc': ok, diurnal cycle as expected, noticeably higher at sites 1 and 2
tc'tc': ok, significantly higher at sites 1 and 2
w'h2o': ok, diurnal cycle as expected