Status December 3, 2010

Status (36 hour plots): Dec 3 11:00-12:00

Summary: kh2o deployed Nov 30-Dec 1
Resurrected Site 1 aux sensors Dec 3
Replaced Site 3 Tsoil Dec 3

To do: Soil mote bad at Playa #1
Tsoil (3 cm) bad at River
Qsoil intermittent at ABC

All soil data spiking at W Slope #1

Cvsoil missing at E Slope #2

Rainr spikes at W Valley

Vdsm: ok, 12-14.5 Volts
Vmote.rad: ok, 13-18 V
Vmote.soil: ok, 12-14 V; missing Playa #1

P: ok
Tbaro: ok, -10 to 20 degC
T: ok, -12 to 10 degC
RH: ok, 35 to 103 (Playa) %RH
Rainr (3,5,6): spurious 3 mm/hr spike at W Valley
Spd (1,6): ok, up to 10 (W Slope) m/s
spd: ok, up to 9 m/s; W Slope & Riverton are highest
Dir (1,6): ok, currently W; have prop directions been set?
dir: ok, have sonic directions been set?

u'u': ok, up to 1.5 m^2/s^2, Riverton high
v'v': ok, up to 2 m^2/s^2, Riverton high
w'w': ok, up to 0.7 m^2/s^2, Riverton high
u*: ok, up to 0.6 m^2/s^2, Riverton high
sigma_w/u*: ok, ~1.5, including Riverton

kh2oV: ok, 0.75 to 2.5 V
kh2o'kh2o': died around 09:00 Dec 2
w'kh2o': fluxes > 0 after 09:00 Dec 2,
all except Playa and Highland -> 0 ~17:00 Dec 2

tc: ok, increasing from -10 to 5 deg C
tc'tc': eslope, wslope and river have higher variance
w'tc': ok, fluxes negative today, highest at eslope, wslope, and river
diag: ok, playa bad 0700-1000, Dec 2, probably water on transducers

Rsw.in: ok, up to 600 W/m^2 on 12/2
Rsw.out: ok, up to 450 W/m^2 on 12/2
Rsw.dfs (1,7): ok, up to 450 W/m^2 on 12/2
Rsw.global (1,7): ok, up to 600 W/m^2 on 12/2

Rlw.in: ok, up to 320 W/m^2
Rpile.in: ok, -140 to 0 W/m^2
Tcase.in: ok, -10 to 15 deg C
Tdome.in (1,2,5): ok, -10 to 15 deg C

Rlw.out: ok, up to 320 W/m^2
Rpile.out: ok, -80 to 0 W/m^2
Tcase.out: ok, -10 to 15 deg C
Tdome.out (1,2,5): ok, -10 to 15 deg C

Dec 3 17:30
soil.aux at Playa E&W Slope (1,5,6)
Tsoil*: good at 1b,2,3,4,5,5a,6a;
missing Playa (#1), E Slope (#1), W Slope(#1),
3 cm at river(7) is increasingly high also erratic
Qsoil*: 10 to 40 %vol; missing playa(#1), abc (intermittent),
spikes in W Slope #1
Gsoil*: 6 to 16 W/m^2; missing playa(#1), spikes in W Slope #1
Cvsoil: 1-3e7; missing playa(#1), E slope(#2); spikes W slope(#1)