

Station moved to dock on 9Nov08, between 11:38 and 12:30pm EDT

The water level sensor (referenced to dock) settles for several days after moving platform to lake center and thus underestimates water level during this period.

Adjusted Tw sensors 13Nov07 based on comparison of depths and vs PUV & YSI sonde profiles (note that Tw at 11.3m matches PUV Tw at 12.5, probably within sediment boundary layer)

Tw12 adjusted to match others on bottom after moved to dock

H310 sensor depth & Lake level are based on differential pressure

sensor with ca 0.1mm resolution & vertical position referenced to bottom of lake.

Sensor PSIG converted to depth using density of water at 40C (1.43321 psi/m)

Lake level is referenced also to lower frame of dock at SE corner (2003-May2005)

(Actual water level at dock varies seasonally with density of water column and hourly from precip, runoff, evaporation, seepage & outflow. Outflow also varies with status of beaver dam).

Summary table with columns for Tair avg, Tair max, Tair min, Rain-in, WS-mph, WS max, WS Min-C, RHRat-%, Rain-mm, WS-m/s, WS Max-m/s, WDIR-deg, Barom-mb, Sum Rad W/m2, Sum PAR W/m2, Tw 0.1m F, Tw 0.5m, Tw 1m F, Tw 2m F, Tw 3m F, Tw 4m F, Tw 5m F, Tw 6m F, Tw 8m F, Tw 10m F, Tw 12m F, H310_z (m), Lakelevel-mm(40C), cumul. rain-mm, Batt min-V, RH% CR10 enc, RH% MUX enc.

Main data table with columns for Location, % records, Date, Day of Yr, Tair avg-C, Tair Hi-C, Tair Min-C, RHRat-%, Rain-mm, WS-m/s, WS Max-m/s, WDIR-deg, Barom-mb, Sum Rad W/m2, Mol/m2, Tw 0.1m, Tw 0.5m, Tw 1m, Tw 2m, TW3m, TW4m, TW5m, TW6m, TW8m, TW H310-C, TW12m, H310 depth-Lakelevel-mm(40C), cumul. rain-mm, Batt min-V, RH% CR10 enc, RH% MUX.

Lake water & energy budget daily summary from hourly data (negative values: loss from lake; runoff & seepage term is residual after adjusting lake level change for all others)

Large summary table with multiple columns including Data, AvgTw, AvgTw0.5, Avg Tw1m, Avg Tw2m, Avg Tw3m, Avg Tw4m, AvgWS, SumRad, SumH Evap, Sum Lk, Sum Rain, Sum Runoff & seepage, SumLake, Sum outflow, sum in+out, Sum H evap, absorbed evap loss, %R that optimizes Tair-Tsurf, 5000000 cm3/m2, starting Tw, ending Tw, actual Tw, balance solar, exchange (non-evap), exchange.