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Station moved to lake center on 20 April 08

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).

Table with 34 columns: Tair avg F, Tair max, Tair min F, Rain-in, WS-mph, WS max mph, Tw 0.1m F, Tw 0.5m, Tw 1m F, Tw 2m F, Tw 3m, Tw 4m F, Tw 5m F, Tw 6m F, Tw 8m F, Tw 10m F, Tw 12m, H310_z (m), Lakelevel- m (40C), cumul. rain-mm, Batt min-V, RH% CR10 enc, RH% MUX enc. Includes monthly summary and a 'Data' header.

Main data table with columns: Location, Date, Day of Yr, Tair avg-C, Tair Hi-C, Tair Min-, Rrhair-%, Rain-mm, WS-m/s, WS Max- m/s, WDIR-deg, Barom-mb, Sum Rad/J/m2, Moll/m2, Tw 0.1m, Tw 0.5m, Tw 1m, Tw 2m, TW3m, TW4m, TW5m, TW6m, TW8m, TW H310-C, TW12m, H310 depth- m (40C), Lakelevel- m (40C), cumul. rain-mm, Batt min-V, RH% CR10 enc, RH% MUX. Contains data from 9/1/2008 to 9/30/2008.

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)

Summary table with columns: DATE, DayOffYr, AvgTair C, AvgTw0.5 m, Avg Tw1m, Avg Tw2m, Avg Tw3m, Avg Tw4m, AvgWS CSI m/s, SumRad J/m2, SumH Evap (0.9-KJ/m2), Sum Lk_Lv Sum Rain chg (mm), Sum Runoff & seepage, SumLake evap (mm), Sum out flow (lake mm), sum in+out (mm), Sum H evap (kJ/m2), solar heat absorbed - evap loss (kJ/m2), % of absorbed solar heat lost via evap (6m), evap loss (degC 6m), solar heat - evap loss (degC 6m), starting Tw (0-6m), ending Tw (0-6m), actual Tw chg (6m), non-evap heat exchange to balance solar heat gain (oc, 0 degC 6m), residual lake exchange (non-evap xchg minus airwater_dT xchg) (radiative?) (degC 6m). Includes a 'Data' header and summary statistics at the top.