Lake Lacawac, Bruce R. Hargreaves, Lehigh University (brh0@lehigh.edu, http://www.lehigh.edu/~brh0) 41°22.5'N 75°17.3'W elevation 428m
18 Apr 2014, 10:40-11:40am EDT: platform moved to lake center 10Nov 2014: platform move to dock 11:05-11:55 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.

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 4oC (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).

5280 ft/mile
1609.3 m/mile

Std pressure at sea level =1 atm=760 mm Hg=29.92" Hg=1013.2 mbars
Std pressure at 428m elevation =724 mm Hg, 29.61 in. Hg, (965.2 mbars)

	Tair avg F	Tair max F	Tair min F		Rain-in	WS-mph	WS max mph					Tw 0.1m F	Tw 0.5m F	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						
	43.7	60.2	20.4		0.48	2.2	19					32.4	39.6	39.6	39.5	39.7	39.5	39.3	39.8	39.9	39.8	39.6						
Month summary avg Tw	Tair avg-C	Tair Hi-C	Tair Min-C	RHair-%	Rain-mm	WS-m/s	WS Max-m/s	WDIR-deg	Barom-mb	Sum Rad W/m2	Sum PAR uM/m2/s	Tw 0.1m	Tw 0.5m	Tw 1m	Tw 2m	Tw 3m	Tw 4m	Tw 5m	Tw 6m	Tw 8m	Tw02.1m	Tw02.6m	H310_z (m)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc
4.2	6.5	15.7	-6.4	80.0	12.3	1.0	8.6	230.5	960.0	45409465	94	0.2	4.2	4.2	4.1	4.3	4.2	4.0	4.3	4.4	4.3	4.2	2.1	54.5	12.3	12.5	13.6	13.2

month (All)

PAR & PYR Integration period=15min instead of 60min after 11am on 9/11/2013

Data

Location	% records	Date	Day of Yr	Tair avg-C	Tair Hi-C	Tair Min-C	RHair-%	Rain-mm	WS-m/s	WS Max-m/s	WDIR-deg	Barom-mb	Sum Rad J/m2	Sum PAR Mol/m2	Tw 0.1m	Tw 0.5m	Tw 1m	Tw 2m	TW3m	TW4m	TW5m	TW6m	TW8m	TW H310-C	TW12m	H310 depth-m (4oC)	Lakelevel-mm (4oC)	cumul. rain-mm	Batt min-V	RH% CR10 enc	RH% MUX enc
ND	100%	4/1/2015	91	-0.8	5.4	-6.4	69.2	4.1	1.7	8.6	276	965.1	21234799	44.5	0.07	4.13	4.19	4.09	4.25	4.12	3.99	4.30	4.34	4.3	4.20	2.1	48.5	4.100	12.5	14.4	14.5
ND	100%	4/2/2015	92	6.7	15.7	-4.5	58.2	0.0	1.3	7.8	242	966.3	21290882	42.8	0.25	4.20	4.23	4.17	4.33	4.19	4.08	4.35	4.41	4.3	4.32	2.1	47.8	4.100	12.6	14.1	13.0
ND	100%	4/3/2015	93	10.4	13.6	6.5	89.7	8.2	0.7	5.6	188	957.5	2883625	6.9	0.28	4.24	4.26	4.17	4.33	4.18	4.06	4.39	4.39	4.4	4.22	2.1	55.4	12.300	12.5	12.9	12.4
#N/A	100%	4/4/2015	94	9.7	9.7	9.7	102.9	0.0	0.1	1.2	215	951.1	159	0.0	0.23	4.22	4.22	4.14	4.32	4.18	4.01	4.32	4.32	4.3	4.09	2.1	66.4	12.300	12.5	13.0	12.9
	0%																													