

Year: 2010 Month: 10

See figure to right for actual depths of temperature sensors when weather station is in shallow water.

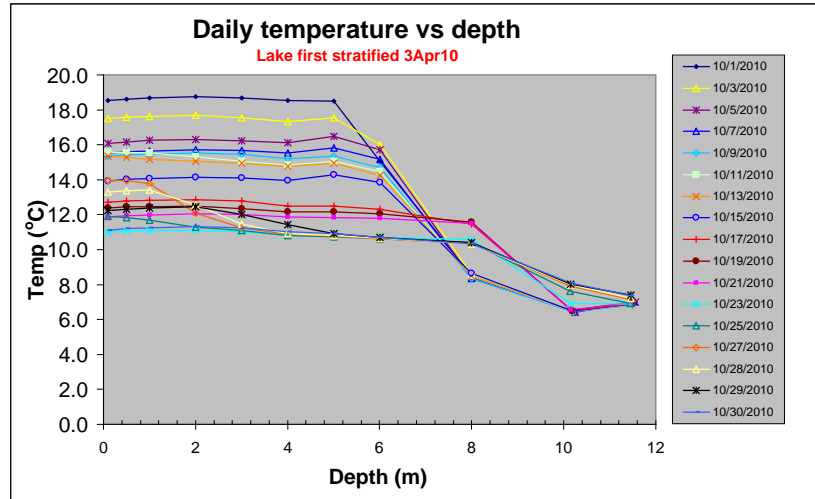
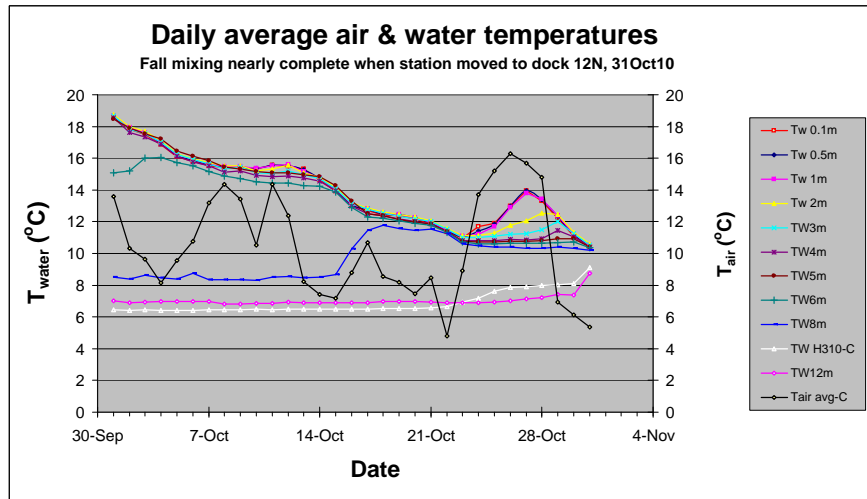
Tw12m sensor damage noted on 21Apr07 (animal bite through oute

31October2010: platform moved to dock

Thermister chain tangle w/anchor line note 31Oct

2010 Direction of wind error: N side of platform is oriented ENE or NE since installing with new NE anchor at lake center; WHEN MOVED FROM LAKE CENTER, platform S was aiming W

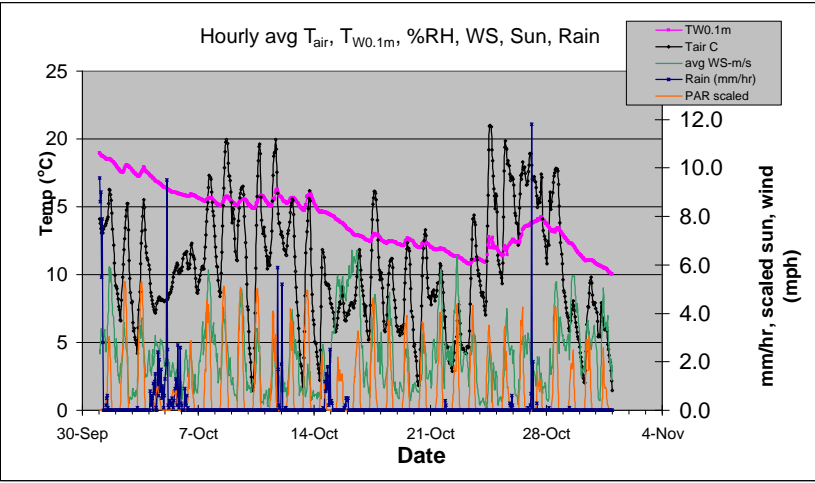
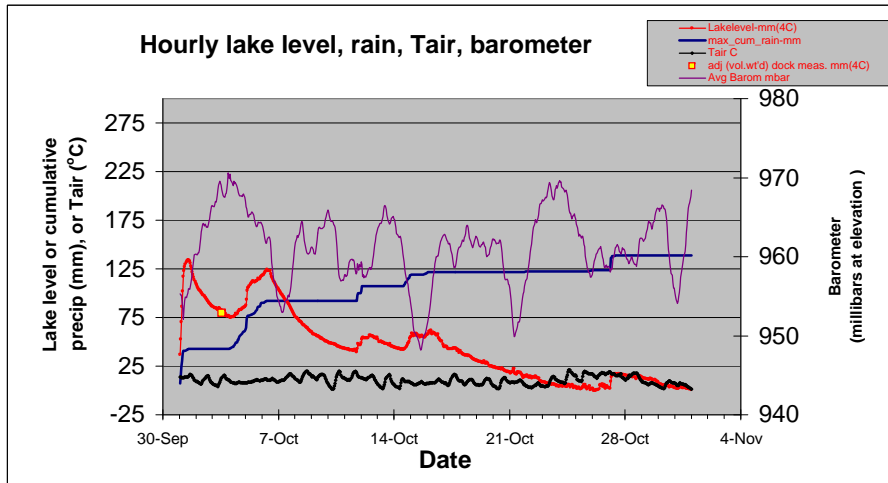
19Sep2010: Station moved to dock 9am-4pm for replacement of deck; mast down middle of day; removed with only 3 lines (missinLAKE PROFILES MADE 31OCT10 TO CONFIRM TEMPERATURE AND OXYGEN AND FCDOM



Lake level is mm above lower edge of dock metal frame (mm of water at 4°C based on pressure)

Monthly rain (incl melt in gage): 5.56 inches [4.46 in. (incl. winter frozen precip) from Avoca NWS] Dock old deck upper surface was at about +200 mm at SE corner but about +50-100mm at NW & NE corners)

Precip from rain gage is underestimated during freezing conditions and appears late when air temperature rises above freezing. Lake level rise accurately reflects rain or the water equivalent of snow, plus runoff and snowmelt.



	mm Precip, AV	mm Precip, Lac	mm Precip, AV	mm Precip, Lac
accuweather (Avoca)	1-Oct 29.21	44.80	11-Oct 17.02	9.80
rain or water-equiv snow, mm	4-Oct 19.30	20.00	14-Oct 11.94	11.20
	5-Oct 16.76	27.50	16-Oct 0.00	0.50
	6-Oct 8.38	2.10	21-Oct 0.00	0.60
	7-Oct 0.51	-	22-Oct 0.00	-

mm Precip, Lac	date	mm Precip, AV
9.80	23-Oct	0.25
11.20	24-Oct	0.00
0.50	25-Oct	0
0.60	26-Oct	0.00
-	27-Oct	9.906

AVOCA is Scranton-WilkesBarre Airport
 Avoca total precip,mm 113.3
 rain gage to date,mm 141.2 125%