

Year: 2010 Month: 9

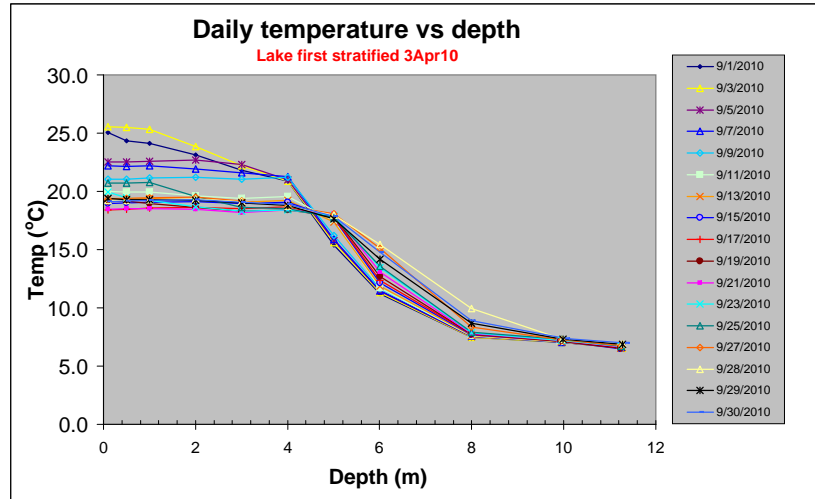
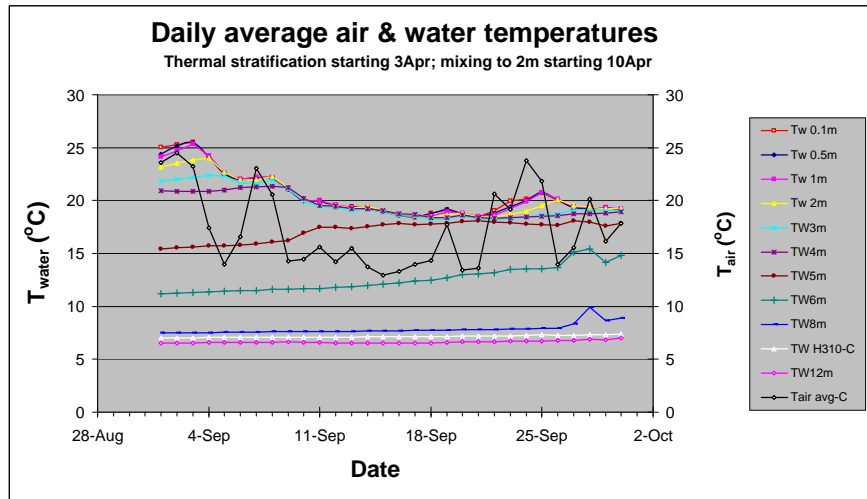
See figure to right for actual depths of temperature sensors when weather station is in shallow water.

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

4Apr2010: Station moved from dock from 12:-2:30pm (new NE anchor installed)

2010 Direction of wind error: N side of platform is oriented ENE or NE since installing with new NE anchor at lake center

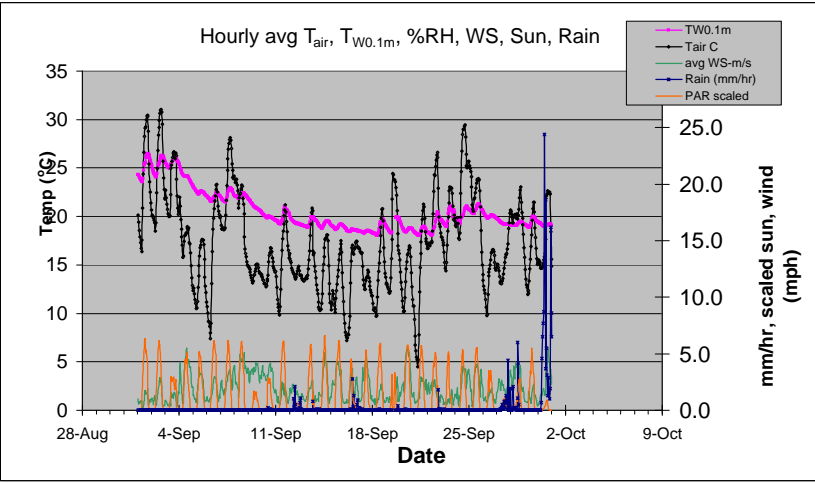
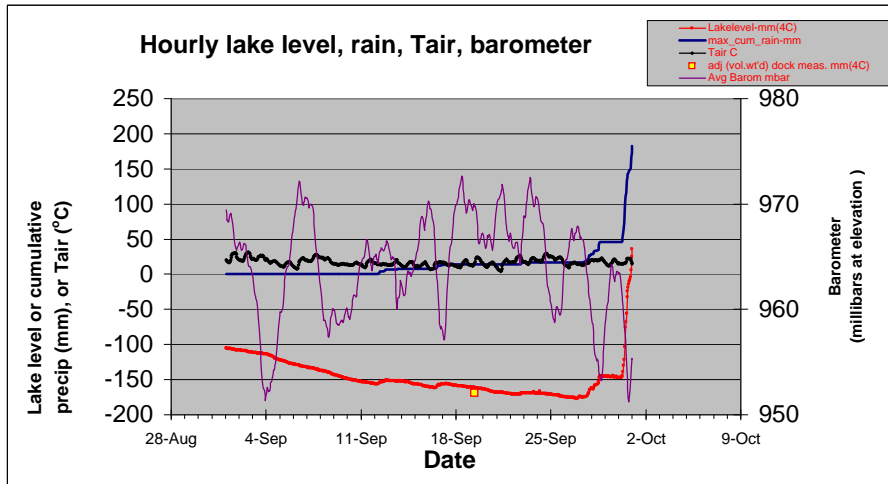
19Sep2010: Station moved to dock 9am-4pm for replacement of deck; mast down middle of day; removed with only 3 lines (missing SE)



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): 7.18 inches [4.32 in. (incl. winter frozen precip) from Avoca NWS] Dock upper surface is 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.



date	mm Precip, AV	mm Precip, Lac	date	mm Precip, AV
10-Sep	0.51	0.30	22-Sep	0.51
12-Sep	2.03	6.20	27-Sep	2.54
16-Sep	4.32	5.90	28-Sep	4.06
17-Sep	0.76	0.40	30-Sep	93.73
19-Sep	1.27	0.40		

mm Precip, Lac	date	mm Precip, AV
2.00		
12.50		
16.80		
136.50		
-		

mm Precip, Lac	date	mm Precip, AV
-		
-		
-		
-		
-		

AVOCA is Scranton-WilkesBarre Airport  
 Avoca total precip,mm 109.7  
 rain gage to date,mm 183.6 167%