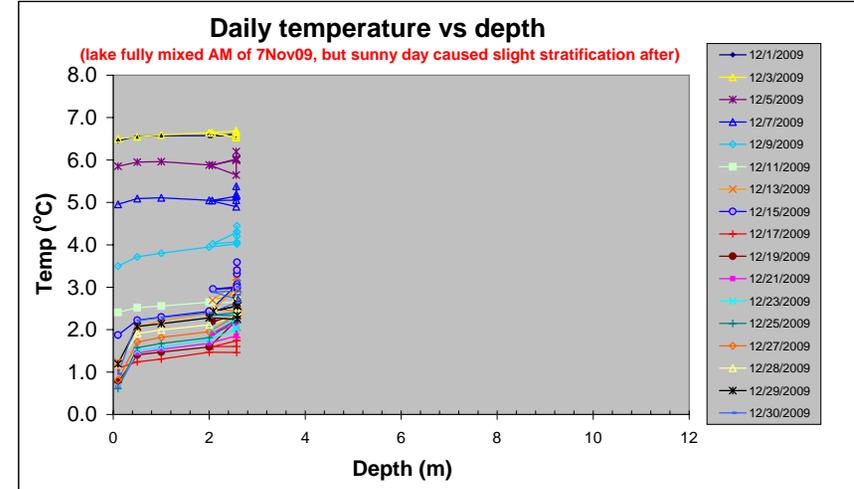
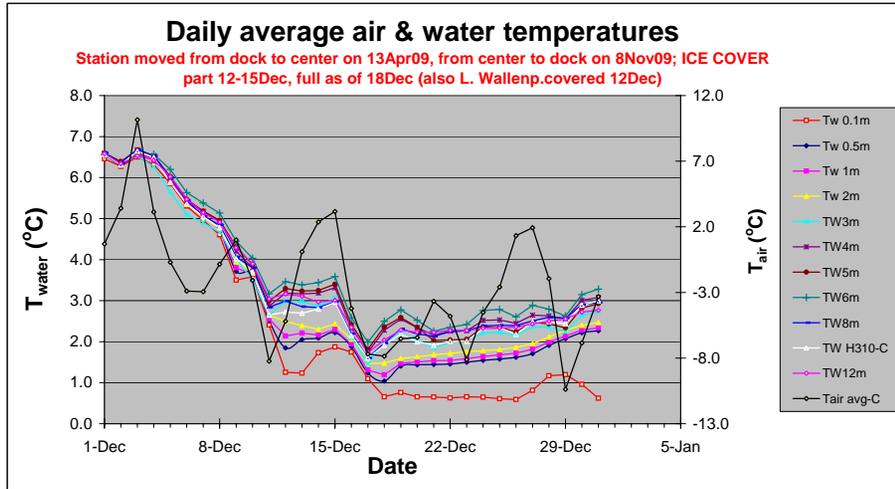


Year: 2009 Month: 12

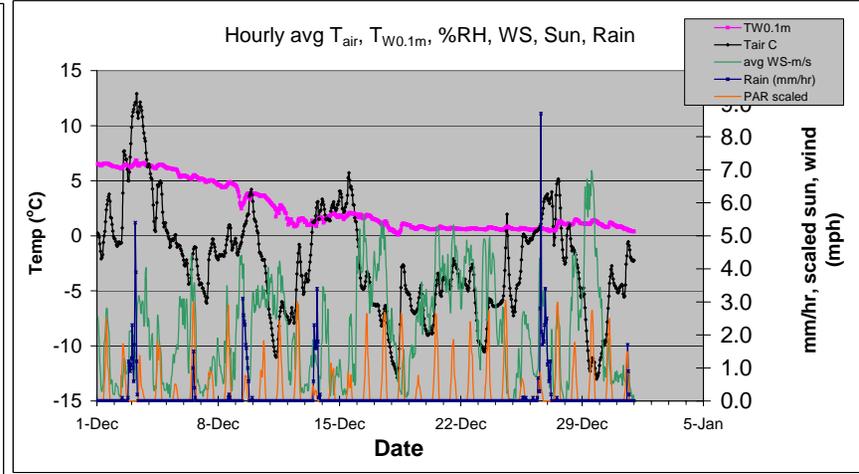
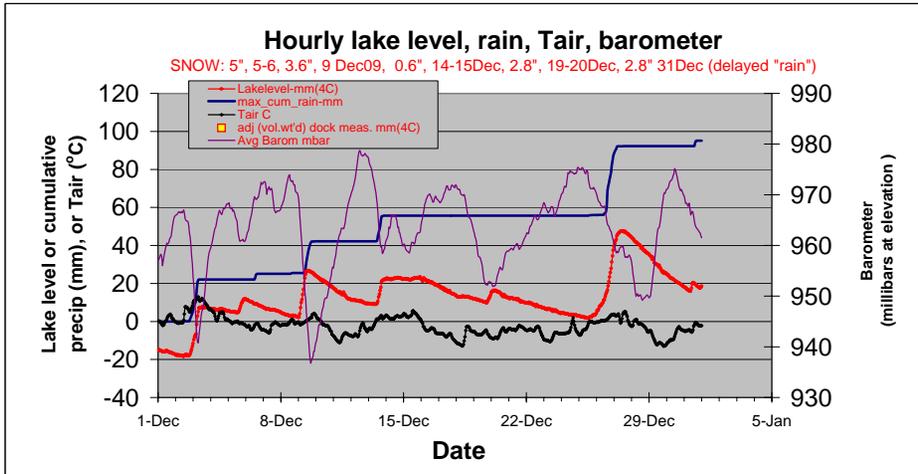
13Apr09: Station moved from dock to center from 2:30-3:30pm (problems with ice-shift anchors result in wind direction error until corrected on 10Jun09)
 See figure to right for actual depths of temperature sensors when weather station is in shallow water.

Tw12m sensor damage noted on 21Apr07 (animal bite through outer insulation near bottom); will need to replace it but currently it's working again



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): **3.74 inches** 2.71 in. (incl. winter frozen precip) from Avoca NWS Dock upper surface is at about +200 mm at SE corner but about +100 at NW corner)

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
2-Dec	5.33	5.80	9-Dec	22.35
3-Dec	5.84	16.30	13-Dec	12.19
5-Dec	6.35	-	15-Dec	0.51
6-Dec	0.00	3.00	19-Dec	3.05
8-Dec	0.76	0.40	20-Dec	0.51

mm Precip, Lac	date	mm Precip, AV
16.70	25-Dec	2.29
13.50	26-Dec	1.02
-	27-Dec	1.524
-	31-Dec	7.112
-		

mm Precip, Lac		
0.30		
32.30		
4.00		
2.80		
-		

AVOCA is Scranton-WilkesBarre Airport
 Avoca total precip,mm **68.8**
 rain gage to date,mm 95.1 138%