Dissolved oxygen measurements taken by the CTD and the ProODO field probe on 09/8/2010 trend together following a similar dissolved oxygen curve through the water profile. CTD readings were taken underwater at actual temperature and depth. ProODO Field Probe readings were taken on deck in Nisken bottles immediately upon rosette recovery. Field probe readings had deviations ranging from 0.36 mg/L below the CTD readings to 3.44 mg/L above the CTD readings. The single instance where the probe showed a DO of 3.44 mg/L above the CTD was due to a misfired bottle releasing at a much shallower depth. The salinity was changed from 35ppt to 36ppt for the 50m and 3m samples. This change in salinity (to account for the higher salinity at the seawater surface) allowed more accurate DO reading with the field probe. No sheen was found in any of the Nisken bottles at any of the sampled depths.