Dissolved oxygen measurements taken by the CTD and the ProODO field probe on 08/31/2010 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 were usually more than 1.00 mg/L oxygen higher than the CTD readings. These findings are consistent with readings from the two probes during earlier cruises in past weeks with the exception that the difference between readings is larger this cruise than in the past. No sheen was found in any of the Nisken bottles at any of the sampled depths.