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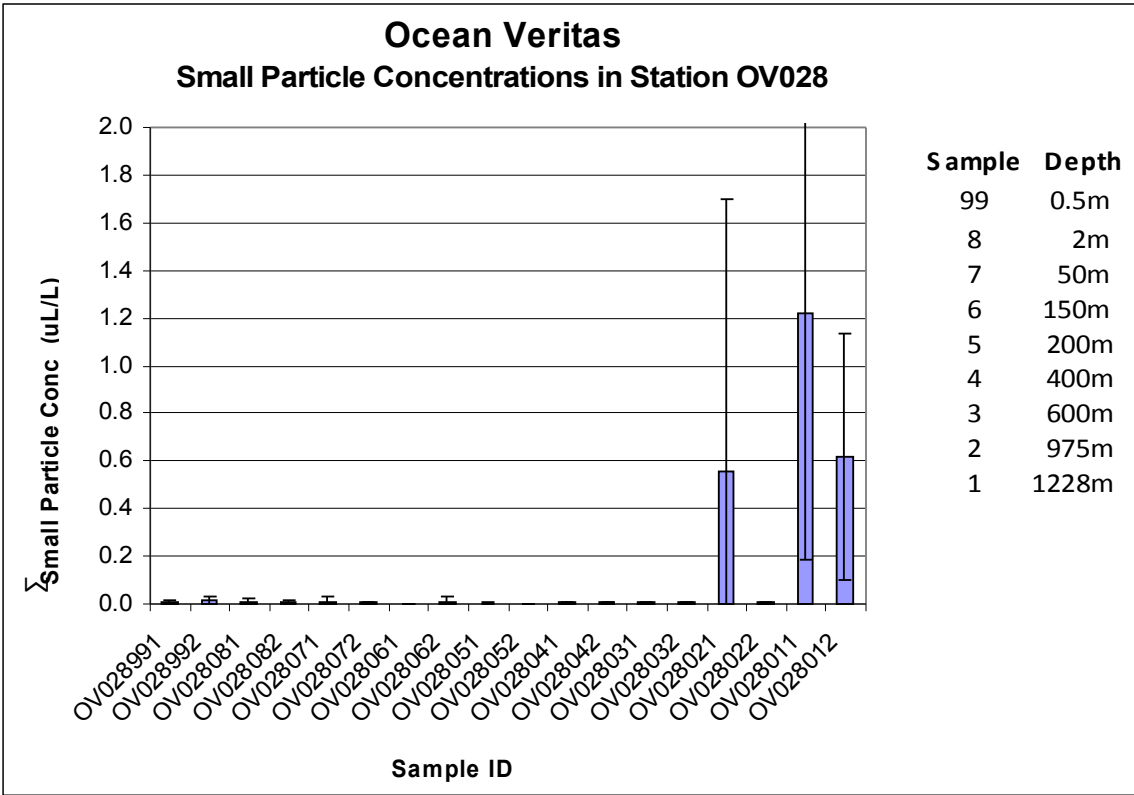
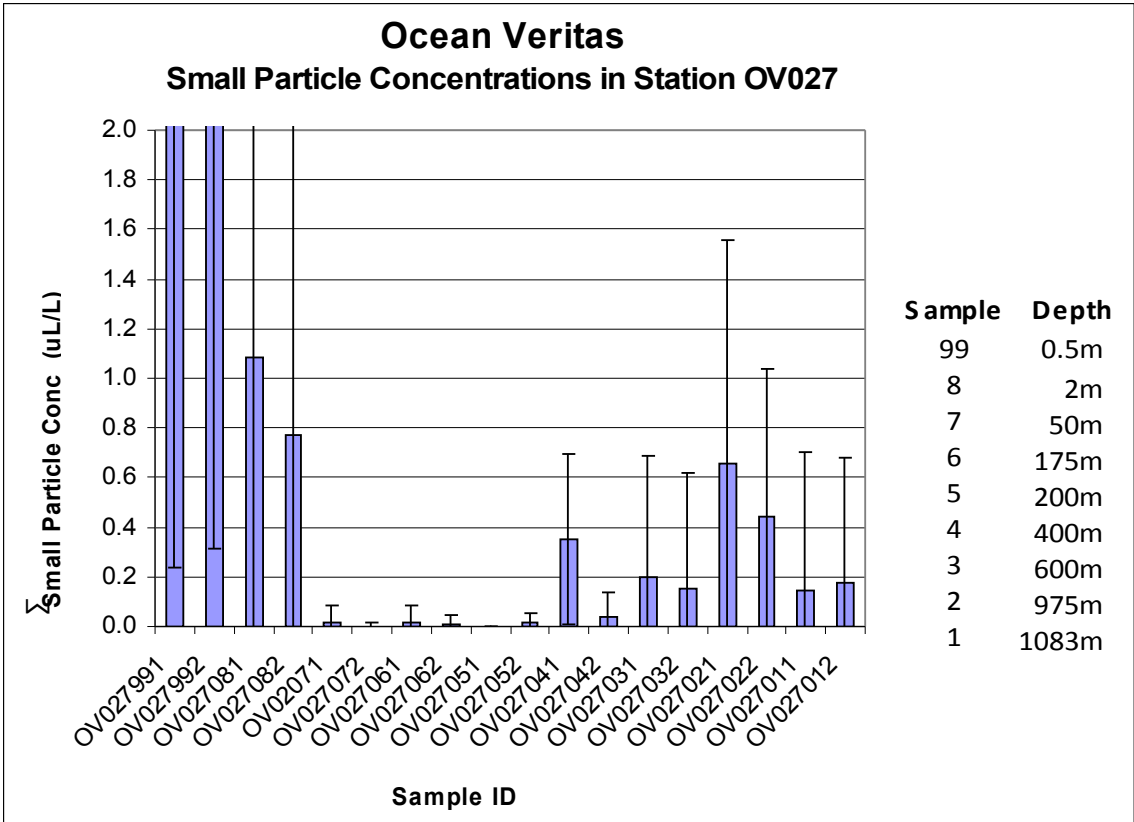
Daily Report: Tracking the Plume of Dispersed Oil using Particle Size Distribution Measurements

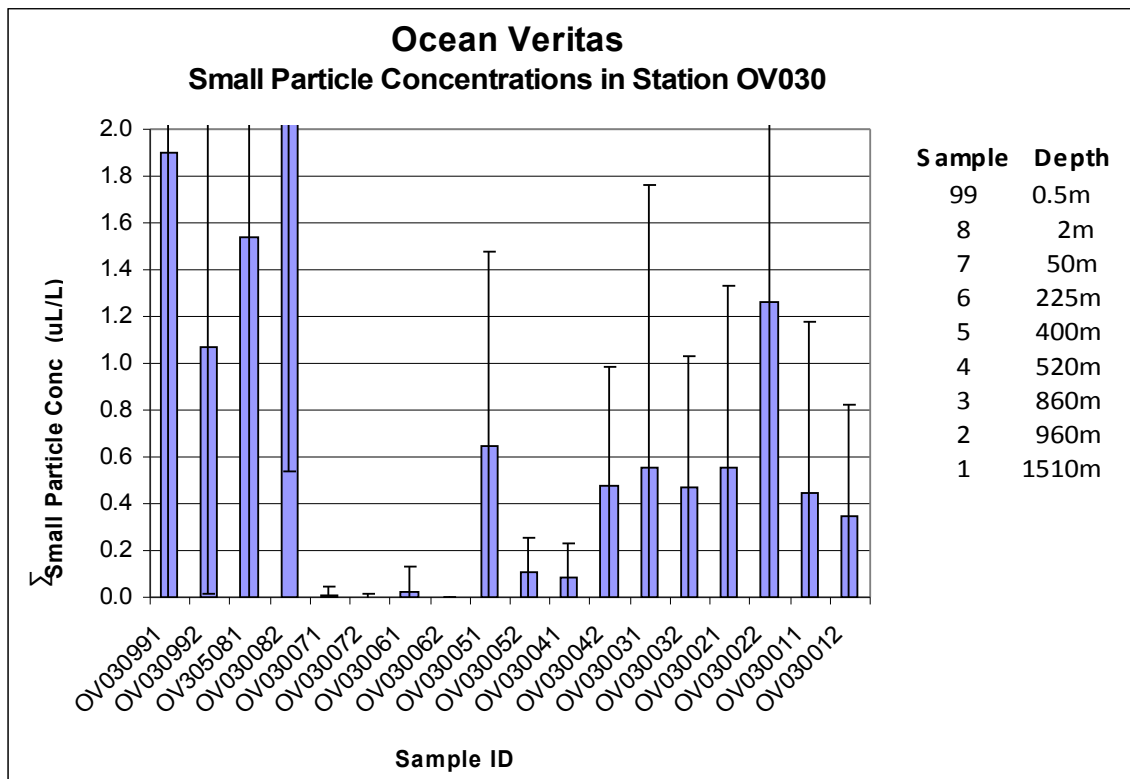
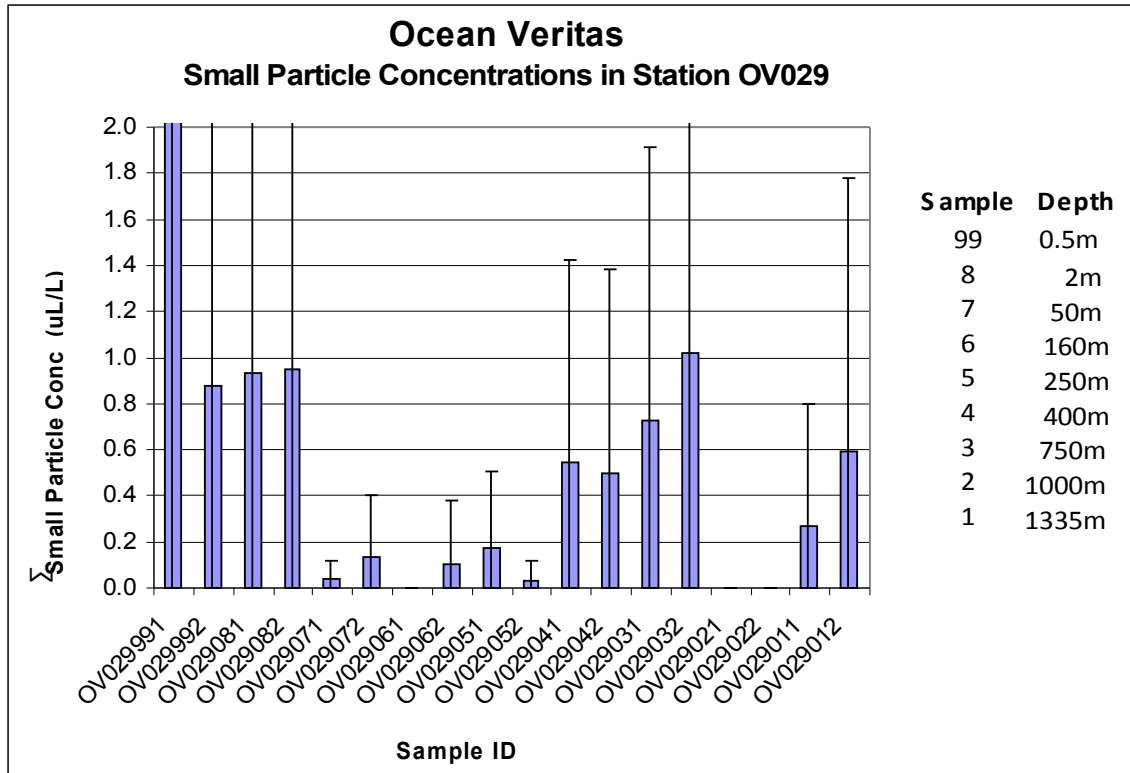
June 8, 2010

Water samples were collected at six stations for particle size distribution measurements using the LISST-100X particle counter. A total of 88 LISST samples were analyzed, including duplicates. Samples were also collected and stored for shore based fluorescence intensity ratio measurements.

Figure 1 presents the small droplet (Σ 2.5 - 60 μ m) particle size data and fluorescence intensity ratios for stations OV027 through OV031. LISST analysis did not detect the plume at any of these stations unlike the CTD which detected a small signal on station OV031 at 925m depth.

Station #	Lat	Long
OV027	28.800795	-88.504048
OV028	28.800795	-88.462457
OV029	28.774282	-88.462457
OV030	28.670523	-88.391623
OV031	28.715668	-88.366609





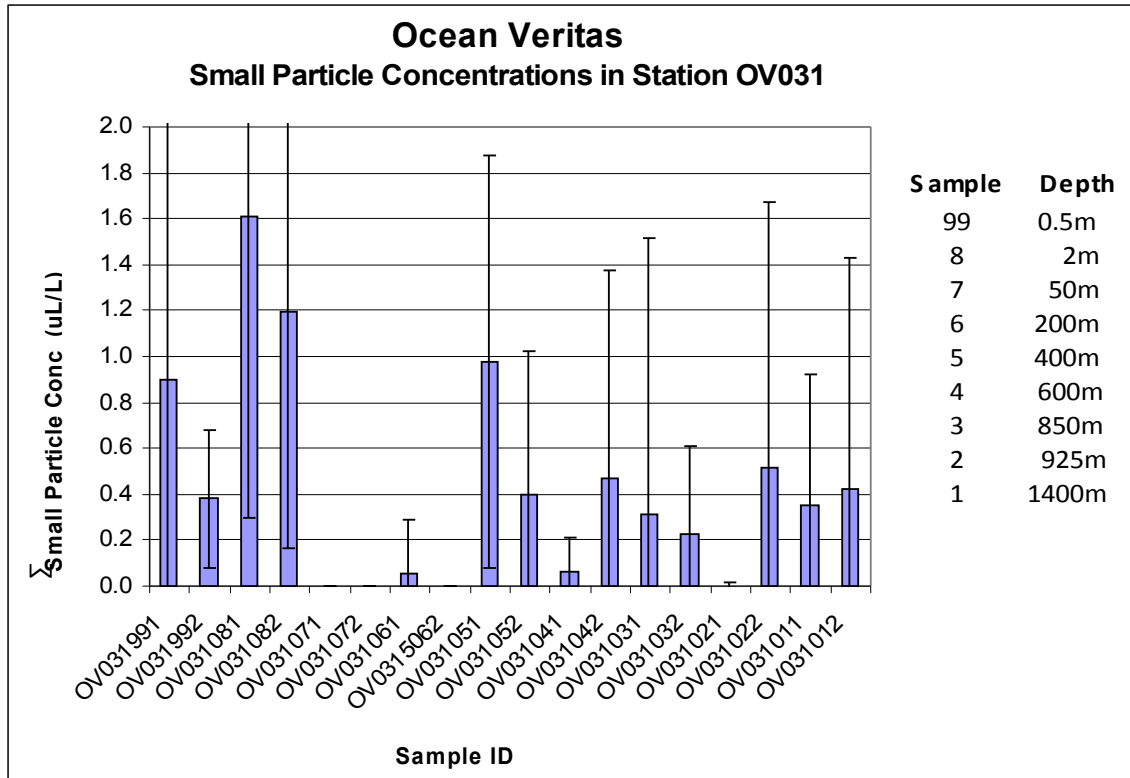


Figure 1: Average small particle concentrations as a function of depth from stations OV027 to OV031.