

Daily Report
R/V Ocean Veritas
May 27, 2010
Eric Dubinsky and Olivia Mason

CTD rosette was deployed at site OV001 (06:30). This site was the westernmost site in reference to the wellhead that has been sampled to date. Depth to bottom was 700 m. Sheen and weathered oil observed at surface.



The CTD profile revealed that no oil was present at depth (see attached). During deployment the CTD rosette hit the bottom of the seafloor and returned to the surface sideways. Niskin bottles were contaminated with sediments, as was the exterior of the rosette. A sample surface was taken at this location, but no water from the niskin bottles was collected. At this location the CTD rosette was deployed a second time. Although the site was the same, it was assigned a new name (OV002). No samples were collected at depth.

Ship took delivery of two epifluorescence microscopes at 0930.



The CTD rosette was deployed at 10:50 at site OV003. Depth to bottom was 1020 m. Sheen and weathered oil observed at surface. No fluorometric indication of oil at depth (see attached). Samples were collected for DNA, RNA and proteomics, INT, and AODC (full biological characterization) throughout the entire water column (2, 50, 300, 750, 1020 m). This site is a background water sample set.



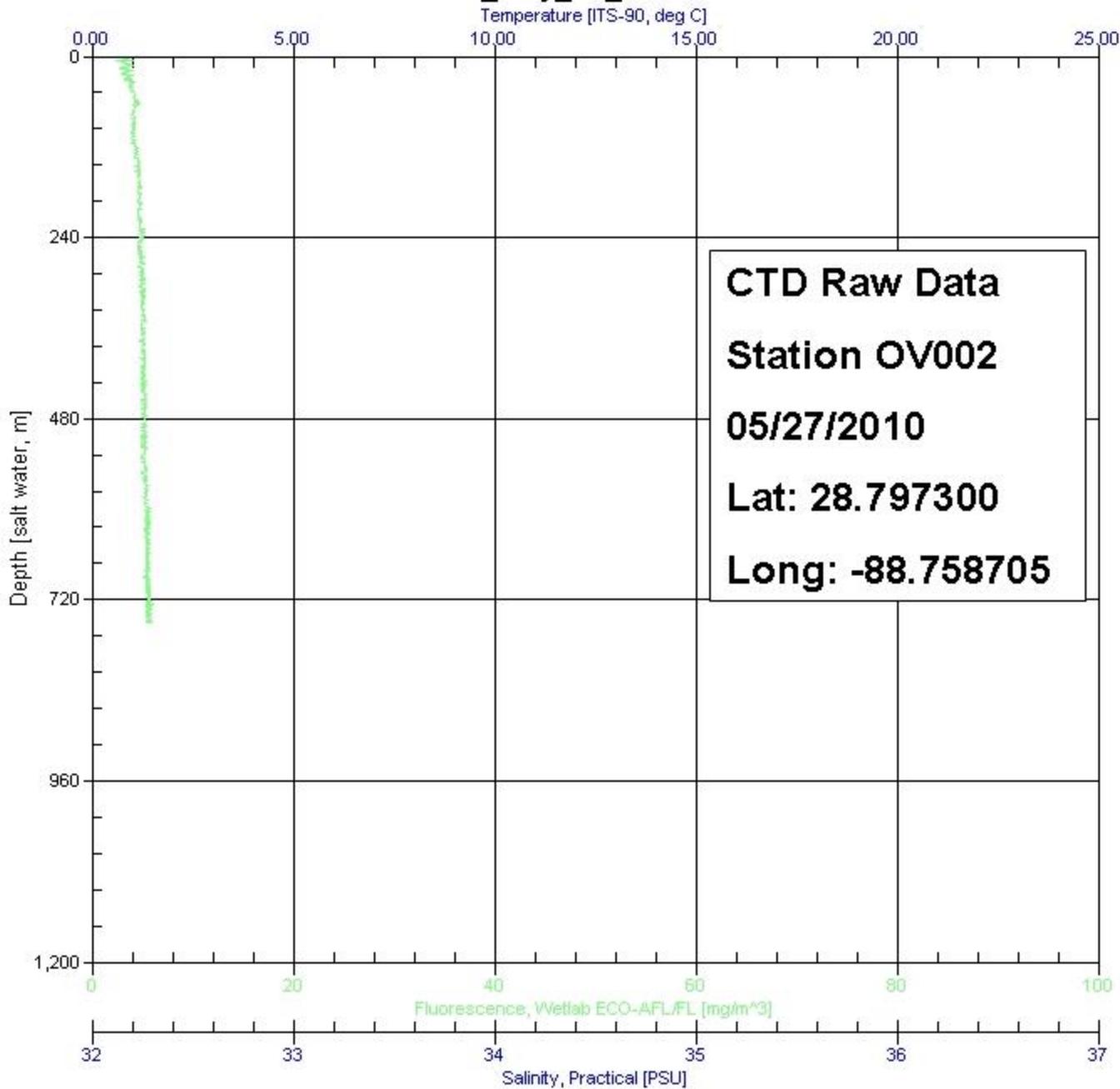
En route to the next site we witnessed a surface burn near the location of the well head.



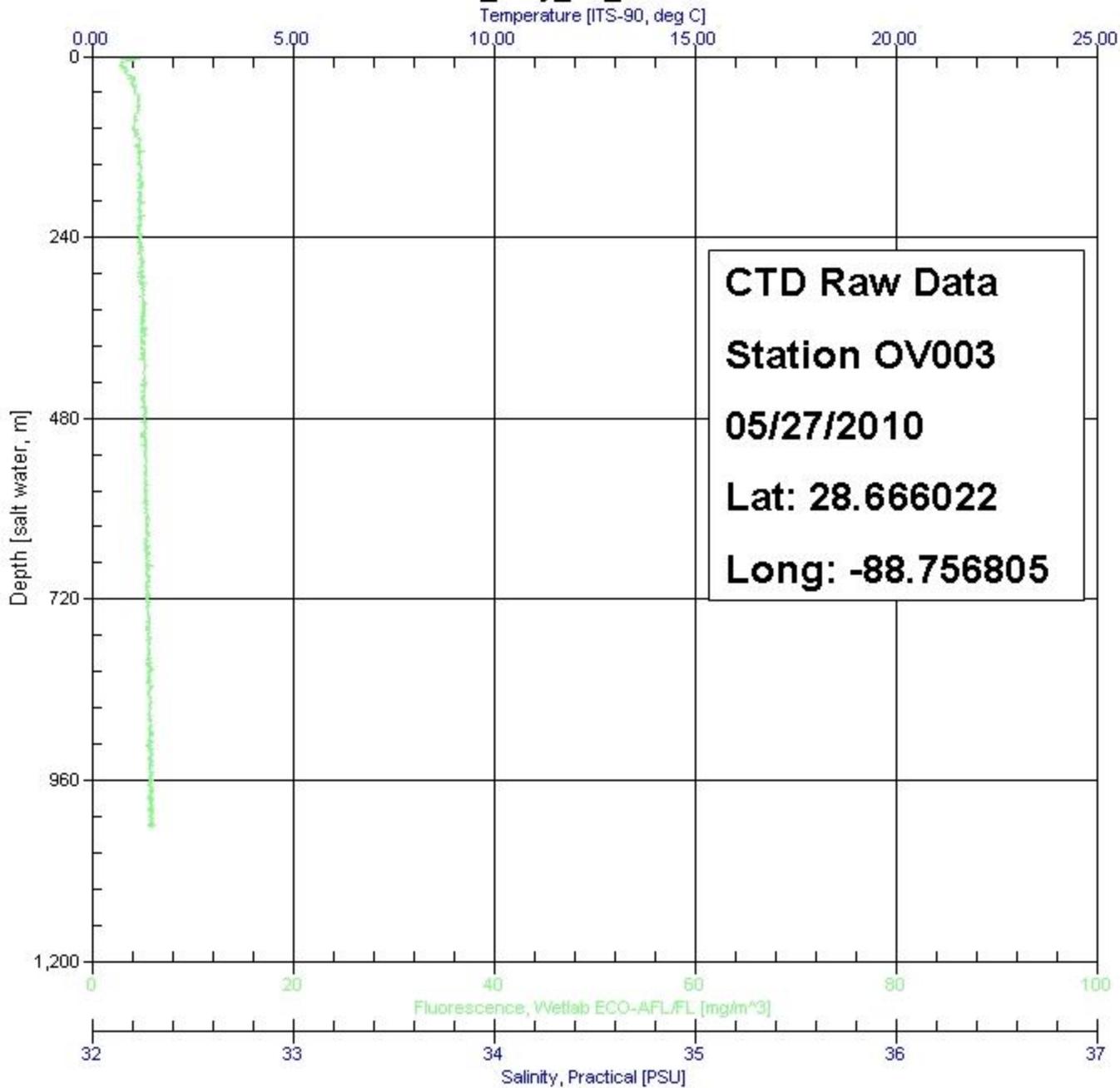
CTD rosette was deployed at 20:18 at site OV004 (see attached). Sheen observed on the surface. No oil indicated at depth. Samples were collected throughout the entire profile for full biological characterization (2, 500, 1100, 1300, 1400 m). This site is a complete background sample set at depth.

No science team meeting today.

2010_May_27_VO2.hex



2010_May_27_VO3.hex



2010_May_27_VO4.hex

