# Event Glossary

| V4. 31 Jul 2006 | | MeasurementType Categories | | DataType | |
|---|---|---|---|---|---|
| | | continuous | | core | |
| | | tow (oblique, vertical, surface, profile, undulate) | | ancillary | |
| | | cast (profile, fixed) | | | |
| | | drifter | | | |
| | | autonomous | | | |
| | | point-sample | | | |
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| **Short Name** | **Measurement Type** | **Long Name** | **Component** | **Data Type** | **Description** |
| ADCP | continuous | Acoustic Doppler Current Profile | Chereskin | core | Shipboard instrument mounted in the hull, sending out acoustic signal. Provides current profiles (from doppler timing of echos) and the backscatter amplitude is used to estimate plankton and fish biomass. |
| BIOCHEM PUMP | cast-fixed | Biochemical Pump | Aluwihare | core | An over-the-side pumpused for biological and chemical analysis including organic material analysis. |
| BONGO LIVE | tow-oblique | Net tow | Landry | core | Tow to collect live zooplankton for experimental work. The technical requirements for this tow are: Descent rate of 50 meters per minute. All tows with ascending wire angles lower than 38 degrees or higher than 51 degrees in the final 100 meters of wire will be repeated. Additionally, a 45 degrees wire angle should be closely maintained during the ascent and descent of the net frame |
| BONGO W/LOPC | tow-oblique | Bongo tow with Laser Optical Plankton Counter | Checkley | core | Oblique tow to a depth of 210 m. One net used to determine species composition of the zooplankton, the other to determine size-fractionated biomass and gut fluorescence as an index of grazing pressure. Both nets are 202-um mesh, 71-cm diameter. In the port net is mounted a Laser Optical Plankton Counter (LOPC) to assess particle numbers and size distributions. |
| CTD | cast-profile | Conductivity-Temperature-Depth | Goericke | core | A profiling instrument using seasoft software to record water column measurements. |
| CYCLE | organizational | Cruise Cycle | General | core | Collection of events for the study/cruise. A station on a grid sampling cruise may serve the same function as the 'cycle'. Alternatively, a drift array deployment may serve as the focus of coordinated sampling. |
| DRIFTARRAY | drifter | Drift Array | Landry | core | A free-floating buoy or float structure (PVC and floation devices) on which are mounted incubation bottles and instruments for water column property measurements. |
| TMC GOFLO | cast-profile | Trace Metal-GoFlo Bottle | Barbeau | core | A hydrowire cast with a single GoFLO bottle appropriate for trace metal collection. |
| GLIDER | autonomous | *Spray* glider | *Davis & Ohman* | ancillary | Autonomous instrument with sensors to detect temperature, conductivity, pressure, fluorescence, vertical shear, and acoustic backscatter. |
| MOCNESS | tow-oblique | Multiple-Opening Closing Net and Environmental Sensing System | Ohman | core | A 1 m^2 multiple plankton net frame bearing 10 nets (202-um mesh) which are triggered electronically. Also houses an instrument package to measure pressure, conductivity, temperature, light extinction, dissolved oxygen. |
| MVP | tow-profile | Moving Vessel Profiler | Ohman | ancillary | A towed profiling instrument containing a particle counter (ie see LOPC) and a CTD. http://www.brooke-ocean.com/mvp_main.html |
| OPTICS-PRR | cast-profile | Optical Profiling Radiometer | Mitchell | core | Optical Profiling Radiometer; also known as Free Fall Radiometer (FFR) measuring spectral irradiance |
| OPTICS-IOP | cast-profile | Optical Profiling of Inherent Optical Properties | Mitchell | ancillary | An optical package (donut) frequently containing instruments measuring absorbtion (AC9), scattering (hydroscat), and fluorescence ( frrf fluorometer). |
| TMC IRON POLE DIP | point-sample | Trace Metal-Iron Pole Dip | Barbeau | core | An over-the-side pole dip collecting water for trace metal studies |
| TMC IRON PUMP | cast-fixed | Trace Metal-Iron Pump | Barbeau | core | An over the side pump used for trace metal work. |
| THORIUM PUMP | cast-fixed | Thorium Pump | Landry | core | An over the side pump used for thorium experiments |
| VPR | tow-undulate | Video Plankton Recorder II | Ohman | ancillary | A towed instrument recording optical images of plankton, as well as temperature, conductivity, fluorescence, irradiance, and optical backscatter. |