**Contents**

1. **Cruise narrative**
2. ***Highlights***
3. ***Cruise Summary***
4. ***List of Principal Investigators for all Measurements***
   1. **Underway measurements**
      1. ***Navigation***
      2. ***Bathymetry***
      3. ***Maritime Meteorological Observations***
      4. ***Thermosalinograph (to be submitted in the next update)***
      5. ***Underway Chlorophyll-a***
      6. ***Partial Pressure of Carbon Dioxide (to be submitted in the next update)***
      7. ***Acoustic Doppler Current Profiler***

**C. Hydrographic Measurement Techniques and Calibration**

***1. CTD/O2 Measurements***

***2. Bottle Salinity***

***3. Bottle Oxygen***

***4. Nutrients***

***5. Phytopigment (Chlorophyll-a and phaeopigmens)***

* + 1. ***6. Total Dissolved Inorganic Carbon and Total Alkalinity (to be submitted in the next update)***
    2. ***pH (to be updated in the next update)***

***10. Chlorofluorocarbon (CFC-11 and CFC-12) (to be submitted in the next update)***

***11. Lowered Acoustic Doppler Current Profiler***