MR11-07 Cruise Report

--- Contents ---

- 1. Introduction
- 2. Cruise summary
- 3. Cruise track and log
- 4. List of participants
- 5. Summary of observations
 - 5.1 GPS radiosonde
 - 5.2 Doppler radar
 - 5.3 Disdrometer
 - 5.4 95GHz cloud profiling radar
 - 5.5 Lidar observations of clouds and aerosols
 - 5.6 Ceilometer
 - 5.7 GPS meteorology
 - 5.8 Water-vapor and ozone soundings
 - 5.9 Ship-borne sky radiometer
 - 5.10 Tropospheric aerosol and gas observations by MAX-DOAS and auxiliary techniques
 - 5.11 Surface meteorological observations
 - 5.12 Air-Sea surface eddy flux measurement
 - 5.13 Continuous monitoring of surface seawater
 - 5.14 CTDO profiling
 - 5.15 Salinity of sampled water
 - 5.16 Dissolved oxygen of sampled water
 - 5.17 Nutrients of sampled water
 - 5.18 Chlorophyll *a* of sampled water
 - 5.19 pH of sampled water
 - 5.20 Micro structure profiler for the ocean
 - 5.21 LADCP
 - 5.22 Shipboard ADCP
 - 5.23 XCTD
 - 5.24 Argo-type float
 - 5.25 Subsurface buoy
 - 5.26 Distribution and ecology of oceanic *Halobates* and their response to environmental factors
 - 5.27 Stable water isotope observation
 - 5.28 Underway geophysics

Appendices

- A: Atmospheric profiles by the radiosonde observations
- B: Oceanic profiles by the CTDO observations