



Water mass contributions to carbon transports in the Eastern North Atlantic during 2001

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The water mass distribution in an area of the Eastern North Atlantic Ocean (39-45°N, 16-22°W) studied in 2001 within the frame of the French research programme POMME was determined using an extended OMP analysis which uses both conservative and non-conservative tracers. The results were used in combination with mass fluxes computed for the area in order to determine the carbon transports taking place in the region and analyze the seasonal variability observed both in the direction and magnitude of the fluxes observed.