



First year of of an ocean-atmosphere mooring in the Senegalese coastal upwelling.

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The Joint International Laboratory ECLAIRS set up an oceanographic and meteorological buoy, dedicated to monitoring and analysis of the short and long-term changes in climate, atmosphere and marine environment within the Senegal upwelling. The buoy "MELAX" was deployed early 2015 in the heart of the Senegalese upwelling by 30m-depth at (14°20'N, 17°14'W). Data collected are, for the atmosphere, surface wind, solar radiation, humidity and rain, and for the ocean, temperatures, salinity, and currents (from the surface to the bottom) and oxygen. We present the first year of observations, in particular the relationship between wind, sea surface temperatures, hydrology and current, but also biogeochemistry. Satellite and model data are used to provide a larger-scale context to the punctual observations.