



North Atlantic Sea Level Trends

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From 20 years of altimetry data we analyze the regional sea level rise for the North Atlantic Ocean. Special attention is paid to an area southern Greenland, where an anomalous behavior, with respect to the rest of the North Atlantic, is detected for the last years.

In this work we study how the estimation of linear trends for the North Atlantic Ocean are influenced by long-term cycles. Identify the influence on the sea level variations of long-term cycles and isolate the real deterministic trend is of crucial importance to our knowledge/understanding of the ocean dynamics of the region.