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Ocean front evolution in relation to ocean climate in the North Atlantic

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Ocean front evolution in relation to ocean climate in the North Atlantic

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A possible model of ocean front evolution is studied in relation to ocean climate in the North Atlantic. For this purpose, the satellite monitoring and the oceanographic observations are taken as the references. The meridional ocean circulation system is effective to see the global ocean circulation as a three dimensional process. This process could be make us possible to consider the two layers of the ocean, ie., the surface layer and the deep layer with the down flows surface to the deep in Labrador Sea and Nordic Sea. In the ocean water circulation updated, the deep water flow is suggesting to get to the Phillippines Basin of the Pacific. The Atlantic ocean climate might affect to the ocean front evolution in the northwestern Pacific in a long time cycle (in a range of several yerars to several haundred years or meore)but any cycles of days, with a long tome delay.