

## ESTUDO DA PLATAFORMA CONTINENTAL NA ÁREA DO RECIFE (BRASIL). (1)

### II. METEOROLOGIA E HIDROLOGIA

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#### ABSTRACT

The present paper exposes coastal hydrological data (surface temperature and salinity, water transparency) obtained at Recife, NE Brazil. Observations were made during 3 years (1962, 1964 and 1965) at one point on the beach near the Instituto Oceanográfico, and during 1 year (oct. 1966-sept. 1967) on a line of 4 stations, respectively 1, 3, 5, and 8.5 miles offshore. The results have been compared with the regional meteorology (air temperature, precipitation and winds).

The tropical atlantic climate prevailing at Recife determines two seasons with relatively constant temperature and a predominance of precipitation during the austral winter. The coastal hydrology is closely related with these meteorological conditions, which can be easily explained by the fact that the area shows only small rivers directly influenced by the local climate.

#### INTRODUÇÃO

Como parte do levantamento oceanográfico que vem sendo realizado na plataforma continental da área do Recife pelo Instituto Oceanográfico, foram efetuadas observações hidrológicas em um Ponto A, próximo ao litoral, e em quatro estações fixas, constituindo uma linha perpendicular à costa (Fig. 1-a).

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(1) Trabalho realizado com auxílio do Conselho Nacional de Pesquisas e da SUDENE.

