



## **Towards an understanding of the ambiental parameters fluctuations over the coral reef systems of Veracruz (Western Gulf of Mexico)**

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Eleven mini-ctd's were deployed around the coral reef systems of Veracruz to study the fluctuation of the ambiental parameters of that coastal area situated on the western continental shelf of the Gulf of Mexico. The main fluctuations of the time-series, situated toward open-sea are mainly modulated by meteorological events knowed locally as "Nortes", which have a life of several days, in a less degree the time-series recorded close to the coast are affected by those events. However, other marine circulation components regulating the current dynamics of the area seems to contribute in the fluctuation of ambiental parameters of the area. The knowlegde of these fluctuations is important to know how coral reef systems is affected by natural events.