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| 13. Abstract (Maximum 200 words). Cross-over point difference data from the 16 month Pre-ERM GEOSAT mission were analyzed together with basin scale wind stress from the same period. Using complex empirical orthogonal functions (CEOF), the synthesized data set showed coherent patterns of variations indicating the locations of major currents and their concomitant wind forcing. Applied to the northwestern Indian Ocean, the well-known Somali Current and Great Whirl system were clearly evident, giving validity to the analysis method. Applied to the GINSEA/North Atlantic, the Irminger Current and North Atlantic inflow were evident, increasing in strength with northward wind stress forcing. The Iceland/Faeroes Front was not apparent, however. | | | | | | | | | | | | | | | | | | | | | | | | |
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