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Measurements of Near-Surface Wind Stress Over an Upwelling Region Near the Oregon Coast

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ABSTRACT

This paper describes the temporal and spatial variations of the wind stress (computed from the square of the wind velocity vector) and wind-stress curl recorded during July and August 1973 at two moored buoy stations, one 13 km and the other 120 km from the Oregon coast, along 45°15'N. Some facets of the relationship between wind stress and the physical oceanography over the continental shelf off Oregon are discussed.

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