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I Kukavica, Math Dept, University of Southern California, Los Angeles, CA 90089, and **M Ziane***, Math Department, University of Southern California, Los Angeles, CA 90089. *Regularity results of the primitive equations.*

We present some regularity results of the primitive equations of the ocean. These include the linear stationary equation as well as the full set of primitive equations. In particular we show that solutions are bounded for all time. This is a joint work with I. Kukavica (Received February 12, 2008)