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## On the Acoustic Characteristics of a Gulf Stream Cyclonic Ring

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### ABSTRACT

The acoustic properties of a cyclonic Gulf Stream ring have been studied with field data and ray computations. Cyclonic rings represent relatively low sound velocity regions with large horizontal gradients of sound velocity embedded in the Sargasso Sea. Ray computations have shown the development of deep sound-channel-axis propagation from a near-surface source within a cyclonic ring.

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