

Technical Announcement

MMS

U. S. Department of the Interior
Minerals Management Service
Gulf of Mexico OCS Region

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Full-Water Column Current Observations in the Central Gulf of Mexico

[OCS Study MMS 2007-022](#)

The Minerals Management Service (MMS), Gulf of Mexico OCS Region, announces the availability of a new study report, *Full-Water Column Current Observations in the Central Gulf of Mexico*.

This report presents the analysis of current, temperature, and pressure data collected from a single mooring located at 25°5 N. latitude 90°30 W. longitude in Mexican waters in the Central Gulf of Mexico. The full-water mooring collected data from March 2003 to August 2004. Most current fluctuations appear related to westward-traveling Loop Current eddies. These data revealed the presence of bursts of inertial waves that appear to be eddy related. Subinertial current fluctuations are surface intensified, coherent through the water column, and related to the water surface slope via geostrophy. A near-bottom intensification of currents appears associated with topographic waves.

This report is available only in compact disc format from the Minerals Management Service, Gulf of Mexico OCS Region, at a charge of \$15.00, by referencing OCS Study MMS 2007-022. The report may be downloaded from the MMS website through the [Environmental Studies Program Information System \(ESPIS\)](#). You will be able to obtain this report also from the National Technical Information Service in the near future. Here are the addresses. You may also inspect copies at selected Federal Depository Libraries.

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1201 Elmwood Park Boulevard
New Orleans, Louisiana 70123-2394
Telephone requests may be placed at
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5285 Port Royal Road
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Rush Orders: 1-800-336-4700

MMS Main Website: www.mms.gov
Gulf of Mexico Website: www.gomr.mms.gov