

Technical Announcement

MMS

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

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Quality Control and Analysis of Acoustic Doppler Current Profiler Data Collected on Offshore Platforms of the Gulf of Mexico

OCS Study MMS 2009-010

The Minerals Management Service (MMS), Gulf of Mexico OCS Region, announces the availability of a new study report, *Quality Control and Analysis of Acoustic Doppler Current Profiler Data Collected on Offshore Platforms of the Gulf of Mexico*.

This study was conceived to evaluate the quality assurance and quality control procedures (QA/QC) employed by the National Data Buoy Center (NDBC) in their reporting of the ocean current data required by Notice to Lessees and Operators (NLT) No. 2005-G02. This NTL provides for the submittal of oceanographic data and current monitoring information to the Minerals Management Service (MMS) via a single publicly available Internet site. The MMS therefore established that all floating mobile offshore drilling units and production facilities (with certain exceptions) operating or installed in water depths greater than 400 m (1,310 ft) must continuously monitor and gather ocean current data in areal-time basis from near the ocean surface ~30 m (100 ft) to ~1000 m (3,300 ft) using acoustic Doppler current profiles (ADCP) current monitoring or compatible equipment. The number of sites required to report data are estimated to be in the range of 30-40. Data will be passed through preliminary (Level 1) processing procedures and reported by NDBC. This work provided MMS an evaluation of the Level 1 QA/QC procedures and recommendations for next level quality control of the collected data. After QA/QC evaluation, collected ADCP data were analyzed and synthesized.

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 2009-010. 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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