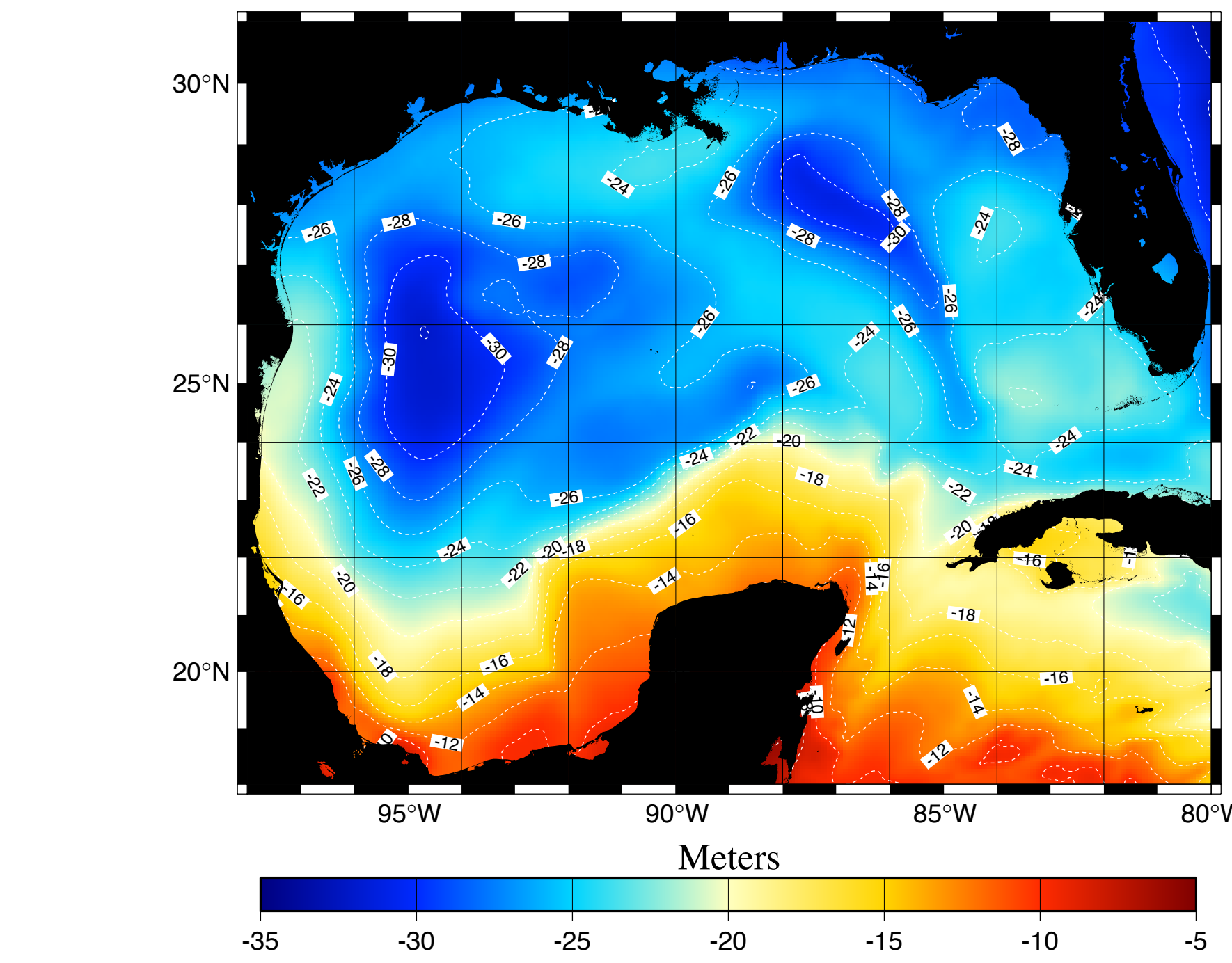
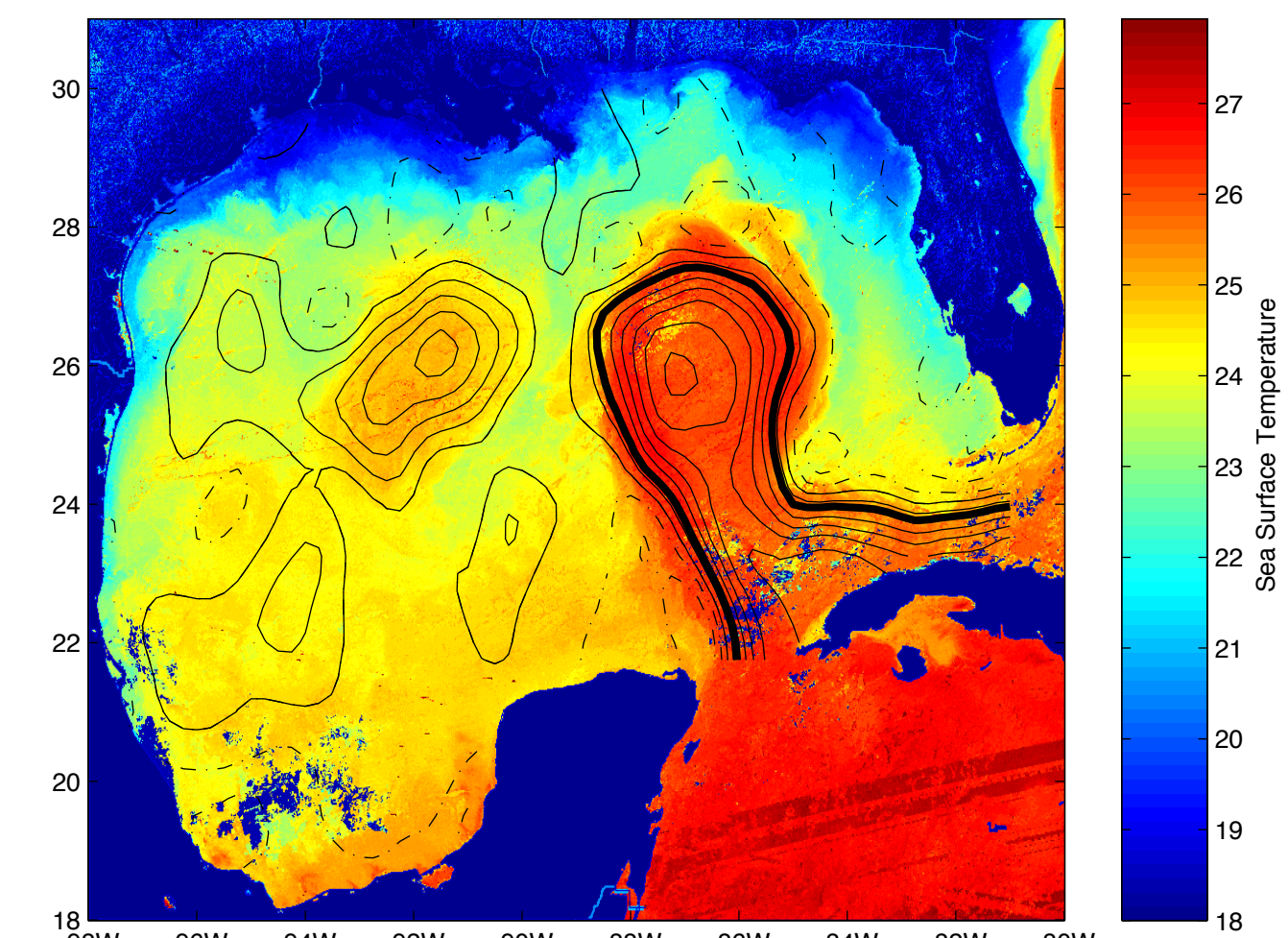


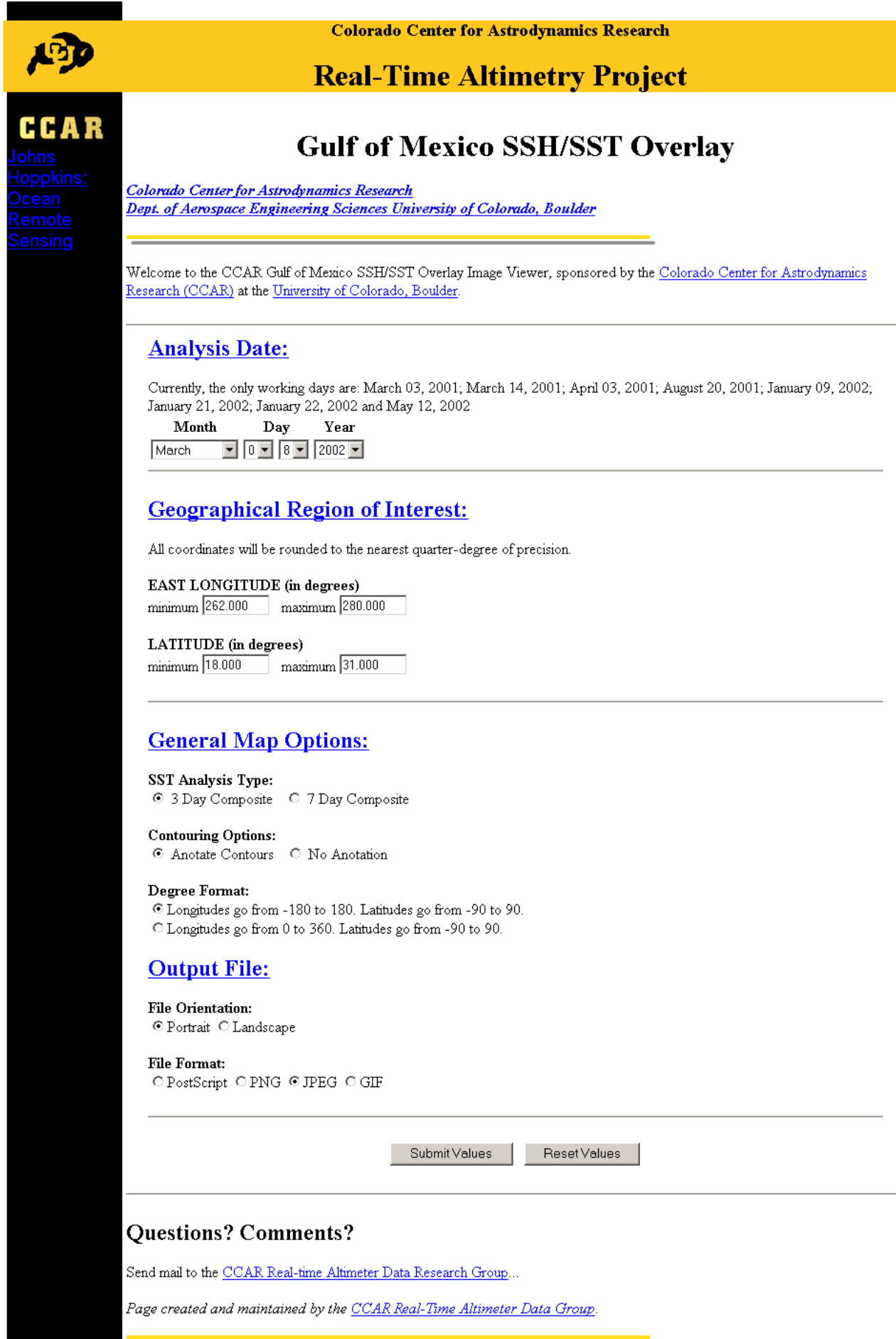
We have updated the mean reference surface used in our quick-look mesoscale processing to prepare for the release of the operational Jason data stream. The original near real-time system was based on a quick-look analysis that referenced the data to a high-resolution gridded mean sea surface available at the time. Recently, state-of-the-art mean sea surfaces have been derived that are based on a more complete record of altimeter observations. An updated mesoscale monitoring system using a new mean sea surface has been implemented and provides results that improve on the successful system implemented in 1996.



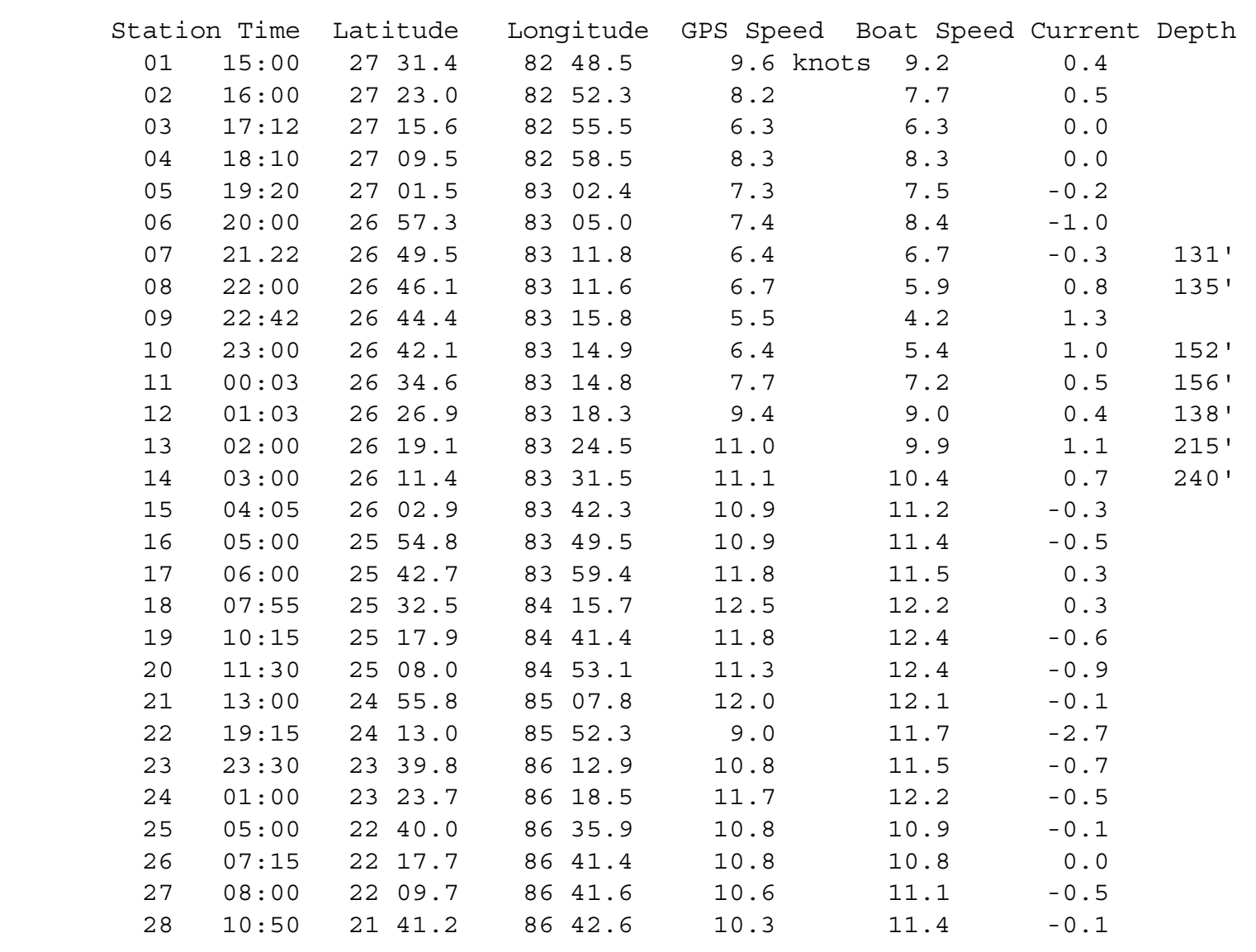
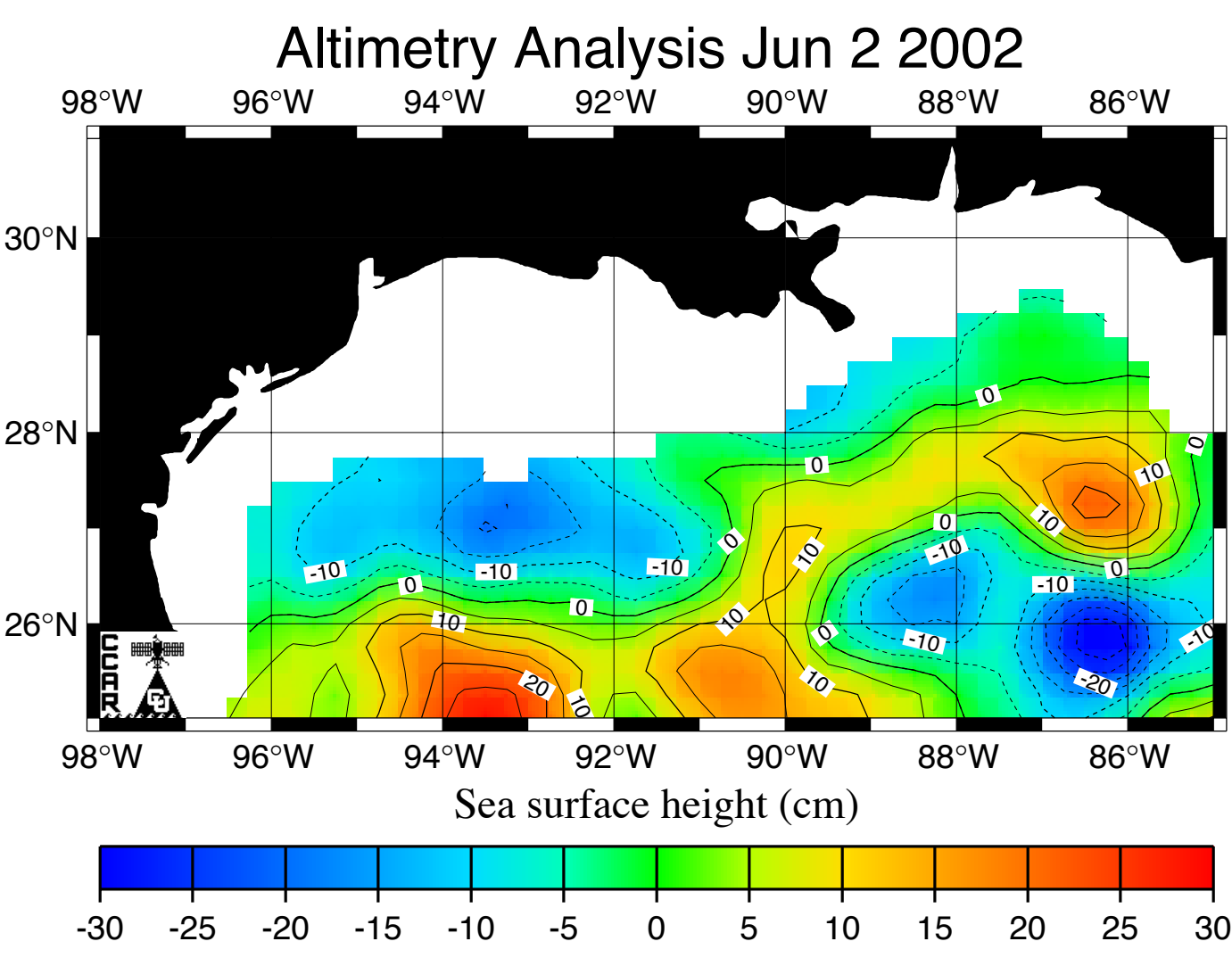
Bob Leben, George Born, Ben Engebret and Peter Gimeno
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University of Colorado, Boulder



Loop Current fronts database is useful for evaluating sites within the Gulf for scientific and operational activities. The time series above was used to interpret measurements at a mooring on the West Florida shelf.



Oceanographic habitat analysis is being provided to researchers at Texas A&M to design surveys of sperm whales in the Gulf of Mexico. This summer researchers will attempt to attach satellite tags to sperm whales in the northern gulf. A total of 18 tags have been permitted for the June 18 through July 9 cruise. Altimeter data is being used to detect cyclonic eddies, regions where sperm whales have been found to be locally



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