

**USGS CMSC FACS OVERVIEW LOG**  
**ACTIVITY ID: 08CCT01**

<b>TOPIC</b>	<b>INFORMATION</b>
USGS ACTIVITY ID	08CCT01
OTHER ID (IF ANY)	
ORGANIZATION(S)/PROGRAM	U.S. Geological Survey (USGS), St. Petersburg Coastal and Marine Science Center
PROJECT/THEME	Northern Gulf of Mexico (NGOM) Ecosystem Change and Hazard Susceptibility Project/ Coastal Change and Transport (CCT)
AREA OF OPERATION	Ship Island, Miss. (Northern Gulf of Mexico)
PRINCIPAL INVESTIGATOR	James G. Flocks
INFORMATION SPECIALIST(S)	Dana Wiese and Nancy T. DeWitt
ACTIVITY TYPE	Seafloor mapping, geophysical swath bathymetry, shallow sub-bottom profile
SCIENTIFIC PURPOSE/GOALS	To create a complete modern topobathymetric map of the Mississippi barrier islands from Cat Island, Miss., to Dauphin Island, Ala. Data to provide information for the following: sediment budget, assessment of immediate sand resources in the region, modern geologic framework, historical island change measurements, base level characterization of the seafloor since the 2005 hurricane season
PLATFORM	<i>RV G.K. Gilbert</i>
STARTING DATE	July 8, 2008
STARTING PORT	Biloxi, Miss.
ENDING DATE	July 26, 2008
ENDING PORT	Biloxi, Miss.
EQUIPMENT USED	SEA SWATH <sup>plus</sup> -H 468-kHz Interferometric System, F190 DGPS/IMU, EdgeTech SB512i Chirp sub-bottom profiler, Knudsen 320BP, DGPS from three Ashtech Z-Xtreme GPS receivers, three Thales choke ring antennas (P/N 701945-02 Rev E), two SECO 2-m collapsible tripods, HYPACK Inc. v.6.2 for ship navigation, two Valeport Mini SVS probes
INFORMATION TO BE DERIVED	swath bathymetry data (x,y,z), shallow sub-bottom image profiles, high precision single beam bathymetry (x,y,z)
SUMMARY OF ACTIVITY AND DATA GATHERED	Chirp lines (153), swath lines (78), single beam (60)
NOTES	Boat Staff - James G. Flocks, Richard Young, Charles R. Worley, and Dave Bennett Digital 08CCT01 FACS logs were generated by N. DeWitt in March of 2011 using the handwritten logbook and personal accounts of the crew members

\*The St. Petersburg naming convention is as follows: YYPRJ##, where YY is a two-digit abbreviation for the calendar year the data were collected, PRJ is a three-letter acronym for the project, task, or theme the data were collected under, and ## is a sequential number for each field activity under that project for that calendar year. If a project already has adopted a standardized unique and meaningful field activity naming convention, there are ways to incorporate it into the system. Please do not use strictly geographic specific PRJs. We strongly suggest using topical ones instead, since locations may be revisited for various purposes during a field season. Arnell Forde ([aforde@usgs.gov](mailto:aforde@usgs.gov); (727) 803-8747 x3111) will coordinate assigning these Field Activity Ids with input from the PIs or project data managers.