USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 08CCT02

TOPIC	INFORMATION
USGS ACTIVITY ID	08CCT02
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 and Horn Island, Miss., and adjacent passes (Northern Gulf of Mexico)
PRINCIPAL INVESTIGATOR	James G. Flocks
INFORMATION SPECIALIST(S)	Nancy T. DeWitt and Dana Wiese
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	*RV Survey Cat*
STARTING DATE	July 8, 2008
STARTING PORT	Biloxi, Miss.
ENDING DATE	July 26, 2008
ENDING PORT	Biloxi, Miss.
EQUIPMENT USED	SWATH*plus* -H 468-kHz Interferometric System, F190 DGPS/IMU, EdgeTech SB424 chirp sub-bottom profiler, Marimatech E-SEA Sound 206 Echosounder, TSS DMS-05 Motion Sensor, HYPACK, Inc. v.4.3a for ship navigation, two Valeport Mini SV probes, four Ashtech Z-Xtreme GPS receivers, four Thales choke ring antennae (P/N 701945-02 Rev E), two SECO 2-m collapsible tripods, one portable GPS topographic survey buggy
INFORMATION TO BE DERIVED	High precision single beam bathymetry (x,y,z), swath bathymetry data (x,y,z), shallow sub-bottom image profiles, and high precision (x,y,z) shoreline topography
SUMMARY OF ACTIVITY AND DATA GATHERED	Chirp lines (237), single beam lines (197), swath lines (89), shoreline surveyed distance (~35 km).

NOTES	Boat Staff -Nancy T. DeWitt, B.J. Reynolds, Dana Wiese Digital 08CCT02 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; (727) 803-8747 x3111) will coordinate assigning these Field Activity Ids with input from the PIs or project data managers.