USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 13BIM02

TOPIC	INFORMATION
USGS ACTIVITY ID:	13BIM02
OTHER ID (IF ANY):	BIER - Geophysics
ORGANIZATION(S)/PROGRAM:	USGS SPCMSC
PROJECT/THEME:	Barrier Island Mapping
AREA OF OPERATION:	Northern Chandeleur Islands, LA
PRINCIPAL INVESTIGATOR(S):	Jennifer Miselis, Jim Flocks
INFORMATION SPECIALIST(S):	Julie Bernier, William Pfeiffer, Dana Weise
ACTIVITY TYPE:	Geophysical mapping of the northern Chandeleur Islands
SCIENTIFIC PURPOSE/GOALS:	Collect swath bathymetry and backscatter data in the nearshore and around Hewes Point; collect sub-bottom data around Hewes Point.
PLATFORM:	R/V *Sallenger*, M/V *Southern VI*
STARTING DATE:	7/5/2013
STARTING PORT:	Point Cadet Marina – Biloxi, MS
ENDING DATE:	7/19/2013
ENDING PORT:	Point Cadet Marina – Biloxi, MS
EQUIPMENT USED:	SEA SWATH*plus* -H 468-kHz interferometric system, Valeport sound velocity profiling unit, Valeport mini sound velocity probe, CodaOctopus Octopus F190 Precision Attitude and Positioning System DGPS/IMU, EdgeTech 424 chirp sub-bottom profiler, laptop computers for acquisition and on-boat processing, Ashtech Z-Extreme and Magellan Proflex 500 DGPS receivers, Ashtech and Thales choke ring antennae, Magellan GNSS antennae, SECO collapsible tripods.
INFORMATION TO BE DERIVED:	Swath bathymetry, sub-bottom, and back-scatter data
SUMMARY OF ACTIVITY AND DATA GATHERED:	Interferometric swath bathymetry (37 lines), interferometric backscatter (37 lines), and chirp sub-bottom profiles(35 lines), sound velocity profile casts (10)
STAFF:	Jennifer Miselis, Jim Flocks, Dana Weise, Julie Bernier (USGS SPCMSC), William Pfeiffer (Cherokee Nation Technology Solutions), and Patrick Dickhudt (USGS WHCMSC)
NOTES:	FACS logs generated by J. Bernier and from handwritten and digital field logs and notes.