USGS CMSC FACS OVERVIEW LOG
ACTIVITY ID: 2015-331-FA

TOPIC	INFORMATION
USGS ACTIVITY ID	2015-331-FA
OTHER ID (IF ANY)	BIER - Geophysics
ORGANIZATION(S)/PROGRAM	U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center
PROJECT/THEME	Barrier Island Mapping
AREA OF OPERATION	Northern Chandeleur Islands, Louisiana
PRINCIPAL INVESTIGATOR(S)	Jennifer Miselis
INFORMATION SPECIALIST(S)	Arnell Forde, Jake Fredericks, Nancy DeWitt
ACTIVITY TYPE	Geophysical mapping of the northern Chandeleur Islands
SCIENTIFIC PURPOSE/GOALS	Collect interferometric swath bathymetry and subbotom profile data in the nearshore, around Hewes Point, and the sediment borrow pit – to measure seafloor changes and estimate sediment transport volumes
PLATFORM	R/V *Sallenger*
STARTING DATE	2015-09-14
STARTING PORT	Point Cadet Marina – Biloxi, MS
ENDING DATE	2015-09-28
ENDING PORT	Point Cadet Marina – Biloxi, MS
EQUIPMENT USED	SEA SWATH*plus* -H 468-kHz interferometric sonar system, Valeport sound velocity profiling unit, Valeport mini sound velocity probe, CodaOctopus Octopus F190R+ Precision Attitude and Positioning System DGPS/IMU, EdgeTech SB-424 chirp subbottom profiler, and laptop computers for acquisition and on-boat processing
INFORMATION TO BE DERIVED	x, y, z elevation data; bathymetric grids; shallow geologic framework
SUMMARY OF ACTIVITY AND DATA GATHERED	Interferometric swath bathymetry (53 lines), chirp subbottom profiles (42 lines), HYPACK navigation (54 lines), sound velocity profile casts (25)
STAFF	Jennifer Miselis, Nancy DeWitt, Jake Fredericks and Kyle Kelso.
NOTES	FACS logs generated by A. Forde from digital field logs and notes