

**USGS CMSC FACS OVERVIEW LOG**  
**ACTIVITY ID: 2014-314-FA**

<b>TOPIC</b>	<b>INFORMATION</b>
USGS ACTIVITY ID	2014-314-FA
OTHER ID (IF ANY)	14BIM01 (R/V <i>Sallenger</i> ) 14BIM02 (R/V <i>Jabba Jaw</i> ) 14BIM03 (R/V <i>Chum Bucket</i> ) 14BIM04 (sediment sampling)
ORGANIZATION(S)/PROGRAM	U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center
PROJECT/THEME	Barrier Island Monitoring
AREA OF OPERATION	Breton Island, Breton National Wildlife Refuge, Louisiana
PRINCIPAL INVESTIGATOR	Jim Flocks
INFORMATION SPECIALIST(S)	Julie Bernier, Nancy DeWitt, Jake Fredericks, Dana Weise, Jim Flocks,
ACTIVITY TYPE	Geophysical mapping (interferometric-swath and single-beam bathymetry, sub-bottom profiling); sediment sampling
SCIENTIFIC PURPOSE/GOALS	Characterize the geologic framework of the shelf and nearshore, identify resources for shoreline restoration, and measure and monitor topographic and bathymetric changes around Breton Island National Wildlife Refuge.
PLATFORM	R/V <i>Sallenger</i> R/V <i>Jabba Jaw</i> R/V <i>Chum Bucket</i> 16' skiff
STARTING DATE	7/13/2014
STARTING PORT	Biloxi, MS
ENDING DATE	7/30/2014
ENDING PORT	Biloxi, MS
INFORMATION TO BE DERIVED	x, y, z elevation data; bathymetric grids; shallow geologic framework; sediment texture and distribution
SUMMARY OF ACTIVITY AND DATA GATHERED	Interferometric-swath bathymetry and backscatter (71 lines), single-beam bathymetry (462 lines), bubble pulser sub-bottom profiles (20 lines), submerged sediment grab samples (39), and sediment push cores (18).
NOTES	Crew members: Jim Flocks, Jen Miselis, Julie Bernier, Trevor Browning, Nancy DeWitt, Jake Fredericks, Kyle Kelso, B.J. Reynolds, and Dana Wiese. Digital logs were generated by J. Bernier from handwritten field logs.