

**USGS CMSC FACS OVERVIEW LOG**  
**ACTIVITY ID: 2017-324-FA**

TOPIC	INFORMATION
USGS ACTIVITY ID	2017-324-FA
OTHER ID (IF ANY)	17BIM05, 17BIM06, 17BIM07, 17BOM08
ORGANIZATION(S)/PROGRAM	USGS SPCMSC
PROJECT/THEME	Barrier Island Comprehensive Mapping
AREA OF OPERATION	Western Chenier Plain, LA
PRINCIPAL INVESTIGATOR	Jim Flocks
INFORMATION SPECIALIST(S)	Julie Bernier, Chelsea Stalk, Nancy DeWitt
ACTIVITY TYPE	Single-beam bathymetric survey, sub-bottom profiling
SCIENTIFIC PURPOSE/GOALS	Barrier island monitoring
PLATFORM	<i>R/V Sallenger, R/V Jabba Jaw, R/V Shark, R/V Chum</i>
STARTING DATE	July 6 <sup>th</sup> , 2017
STARTING PORT	Calcasieu Pass
ENDING DATE	July 16th, 2017
ENDING PORT	Rockefeller National Wildlife Refuge
EQUIPMENT USED	Ashtech Proflex DGPS receivers, Thales choke-ring GPS antennae, Ashtech GNSS GPS antenna, Teledyne DMS motion sensors, SBG Motion Sensors, Odom Hydrographic Systems echo sounders, SonTek CastAway CTD sound velocity profilers, Valeport mini SVP sound velocity profiler, HYPACK hydrographic survey software, EdgeTech 424 chirp sub-bottom profiler
INFORMATION TO BE DERIVED	XYZ bathymetric data and grids, sub-bottom seismic profiles
SUMMARY OF ACTIVITY AND DATA GATHERED	Collected 683 SBB Lines for a total of 1,935.69Km of SBB data
STAFF	Jim Flocks, Julie Bernier, Nancy DeWitt, Andrew Farmer, Kyle Kelso, Jake Fredericks, Chelsea Stalk, Hunter Wilcox
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