

Overview Field Activity Collections System (FACS) Log

Topic	Information
USGS Activity	2017-033-FA
Organization(s)/Program	U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center
Project/Theme	National Assessment of Coastal Change Hazards
Area of Operation	Amry Corps Engineers Field Research Facility (FRF)
Principal Investigator(s)	K.L.M. Morgan, Christopher Sherwood
Information Specialist(s)	None
Activity Type	Oblique Aerial Photo
Scientific Purpose/Goals	Manned Aircraft Survey of Area where testing of various drone platforms was being conducted.
Platform	Cessna 182, N8479S
Starting Date	June 6, 2017
Starting Port/Location	Newport News, Va..
Ending Date	June 6, 2017
Ending Port/Location	Newport News, Va.
Equipment Used	Nikon D810, Nikkor50 mm F1.8 prime lens, F-Stop: 5.6, Exposure Comp: -0.3, ISO: 64, .
Information to be Derived (e.g., Grain Size, Depth to Basement)	Oblique imagery for comparison to images collected via drones
Summary of Activity and Data Gathered	762 oblique digital images.
Notes (include staff, shop time etc)	<p>Newport News, VA, to First Flight Memorial Airport, Kitty Hawk, NC. Staged there to wait until solar noon, then flew to FRF to survey facility.</p> <p>Survey was restricted to the FRF and surrounding area. Because of minimum AGL flight restriction, survey was flown at 1000 ft. Permission from FAA to fly below 1000 ft could not be obtained in time for the survey. Permission was required to overfly island at low angle.</p> <p>Excellent aerial photography weather during entire event. 200 meter paths very tight but managed with autopilot. Wind were light from the west. Extraordinary amount of military and civilian air traffic requiring maneuvering to maintain safe distance. Banner towing aircraft operating at 400-600' AGL. Traffic avoidance added nearly 20 min to operation. Telephone contact while on the ground at FFA enabled final coordination. Radio contact not established until well into overflight.</p>