

Overview Field Activity Collections System (FACS) Log

Topic	Information
USGS Activity	2016-316-FA
Other ID (if any)	XSTORMS.h20160308
Organization(s)/Program	U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center
Project/Theme	Extreme Storm Coastal Change Hazards
Area of Operation	Part A: South Carolina/North Carolina border to Assateague Island, Virginia. Part B: Assateague Island, Virginia, to Montauk, Point, New York
Principal Investigator(s)	K.L.M. Morgan of the USGS in St. Petersburg, Fla.
Information Specialist(s)	None
Activity Type	Oblique Aerial Photographic Survey
Scientific Purpose/Goals	Winter survey to document the storm impact on the coast.
Platform	Cessna 182 aircraft, N8479S
Starting Date	March 8, 2016
Starting Port/Location	Yorktown, Va.
Ending Date	March 9, 2016
Ending Port/Location	Yorktown, Va.
Equipment Used	Nikon D810 digital camera, Garmin GPSMAP 696 receiver
Information to be Derived (e.g., Grain Size, Depth to Basement)	Baseline and winter coastal oblique photographs
Summary of Activity and Data Gathered	4740 oblique photographs
Notes (include staff, shop time etc)	<p>Flight days 1 and 2 were flown February 18-19, 2016.</p> <p>March 8, 2016 –Flight day 3: Excellent aerial photography weather at start point Assateague. Ceiling and visibility unlimited. Mild turbulence along route with light wind from southwest. Tides were low in the southern half of the shoot and very low in the northern half. Collected 2176 images; 44.85 GB of data.</p> <p>March 9, 2016 –Flight day 4: Excellent aerial photography weather from Barnegat, N.J. to Montauk Point, N.Y. Some morning haze in Northern N.J.; however, ceiling and visibility unlimited after 1300 UTC. Tides were very low for the entire shoot. Collected 2564 images; 54.87 GB of data.</p> <p>Notes:</p> <ul style="list-style-type: none"> • Nikon D810 DSLR Camera • ISO: 100 for parallel to coast, Auto sensitivity control during profiles • Interval timer shooting: one picture every 3 seconds. • Nikkor 35 millimeter, 1.8 lens - standard lens for coastline images • Focus: Infinity. Replicates 50-millimeter lens on our crop sensor DSLR camera body.