

Overview Field Activity Collections System (FACS) Log

Topic	Information
USGS Activity ID i.e. YYPRJ## *	12CCH04
Other ID (if any)	XSTORMS.h20121104
Organization(s)/Program	U. S. Geological Survey, St. Petersburg Coastal and Marine Science Center
Project/Theme	Extreme Storm Coastal Change Hazards
Area of Operation	Cape Lookout, NC to Montauk, NY
Principal Investigator(s)	K.L.M. Morgan and D. Krohn of the USGS in St. Petersburg, Fla., and T. Rissmiller of Bay Air Charters, Inc.
Information Specialist(s)	none
Activity Type	Oblique Aerial Photo and Video Survey
Scientific Purpose/Goals	Post-Hurricane Sandy survey to document the storm impact on the coast.
Platform	Piper Navajo Chieftain, tail number N2KK
Starting Date	November 4, 2012
Starting Port/Location	St. Petersburg, Fla.
Ending Date	November 6, 2012
Ending Port/Location	St. Petersburg, Fla.
Equipment Used	Nikon D1X camera, Two Panasonic Toughbook computers (CF-52 & CF-52), Two Optima Bluetop Batteries (D34M), Garmin GPS 18 PC, Nikon CoolPix 6000.
Information to be Derived (e.g., Grain Size, Depth to Basement)	Analysis of coastal change due to extreme storms
Summary of Activity and Data Gathered	9527 images gathered during 3 days of surveying. Day1: Cape Lookout, N.C., to Ocean City, Md. Day 2: Montauk, N.Y. to Cape May, N.J. Day 3: Cape Henlopen, Del., to Cape Lookout, N.C.
Notes (include staff, shop time etc)	The U.S. Geological Survey (USGS) conducts baseline and storm response photography missions to document and understand the changes in vulnerability of the Nation's coasts to extreme storms. On November 4-6, 2012, the USGS conducted an oblique aerial photographic survey from Cape Lookout, NC to Montauk, NY, aboard a Piper Navajo Chieftain at an altitude of 500 (feet) ft and approximately 1,000 ft offshore (Figure 2). This mission was flown approximately 1 week after landfall of Hurricane Sanse to collect post-storm data for assessing incremental changes since the last survey, and the data can be used in the assessment of future coastal change. A total of 9841 images were gathered during 3 days of surveying. Day1: Cape Lookout, N.C., to Ocean City, Md. Day 2: Montauk, N.Y. to Cape May, N.J. Day 3: Cape Henlopen, Del., to Cape Lookout, N.C.