Contour line and hillshade layers were generated from the Lidar data tile and incorporated into this map product.


Universal Transverse Mercator – 1983 North American Datum-Zone 18 North

Data Description

The laser soundings used to create this map were collected during April 2005 by the NASA EAARL system mounted on a Cessna 310 aircraft. The EAARL uses a "waveform-resolving" green laser capable of mapping submarine and subaerial (land) topography in a single overflight. The EAARL system is typically flown at 300 m altitude AGL, resulting in a 240 m swath organized as 2 km by 2 km data tiles in 32-bit floating-point integer GeoTiff format.

The laser soundings were post-processed to produce 1-meter resolution raster images that can be easily ingested into a Geographic Information System (GIS). The data were generated from the Lidar data tile and incorporated into this map product.

Further Reading


By John C. Brock, C. Wayne Wright, Amar Nayegandhi, Sara Stevens, and Laurinda J. Travers

1 US Geological Survey, FISC, St. Petersburg, FL
2 NASA Wallops Flight Facility, Wallops Island, VA
3 Eckerd College, Contracted to USGS, St. Petersburg, FL
4 ETI Professionals, Contracted to USGS, St. Petersburg, FL
5 Colonial National Historical Park
6 Open File Report 2008-1326

Colonial National Historical Park

USGS-NPS-NASA EAARL Bare Earth (BE) Lidar Topography

Map Tile 346000e_4122000n

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NORTH AMERICAN VERTICAL DATUM OF 1988

CONTOUR INTERVAL IS 1 METER