This Lidar-derived topographic map was produced as a collaborative effort between the U.S. Geological Survey (USGS) and the National Aeronautics and Space Administration (NASA). The data were generated from the Lidar data tile and incorporated into this map product. The data were organized as 2 km by 2 km data tiles in 32-bit floating-point integer GeoTiff format. Contour line and hillshade layers were generated from the Lidar data tile and incorporated into this map product.

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 sounding per square meter. The data were processed by the USGS FISC (Florida Integrated Science Center) office, St. Petersburg, FL for each flightline. Data collection occurred with approximately 50% overlap between flightlines, resulting in about one laser sounding per square meter. The data were organized as 2 km by 2 km data tiles in 32-bit floating-point integer GeoTiff format. Contour line and hillshade layers were generated from the Lidar data tile and incorporated into this map product.

Project Description

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

Map Tile 626000e_4528000n_18z

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

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This map is not intended for use in navigation.

Topography mapped using NASA Experimental Advanced Airborne Research Lidar (EAARL) August 2004

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

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Further Reading

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