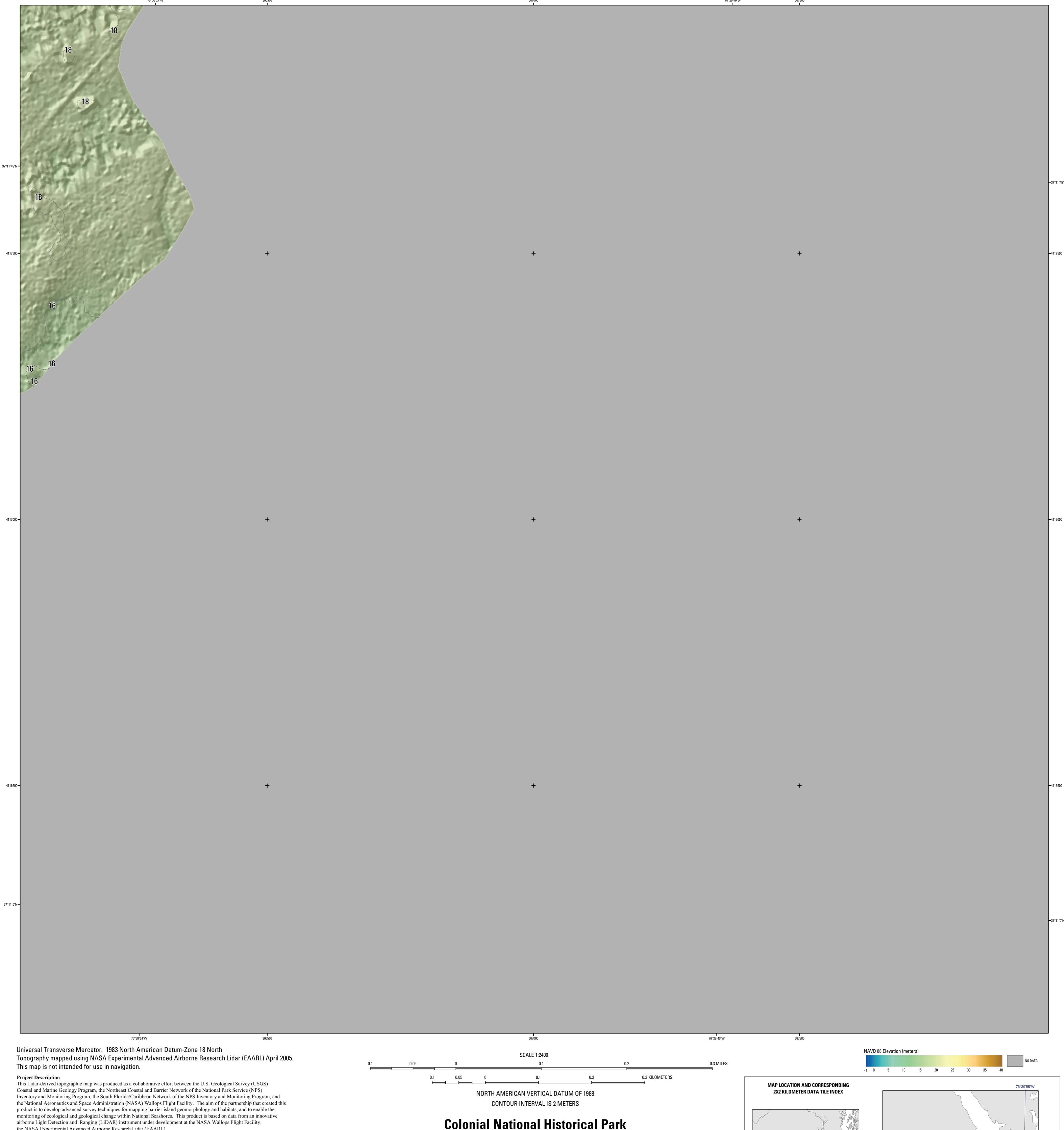
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Prepared in cooperation with the NATIONAL PARK SERVICE (NPS) AND THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)



OPEN FILE REPORT 2008-1326 TILE 38 of 38 (BE) Brock, J.C., Wright, C.W., Nayegandhi, A., Stevens, S., and Travers, L. J., 2008, USGS-NPS-NASA Bare Earth Topography-Colonial National Historical Site, U. S. Geological Survey Open File Report 2008-1326 (On DVD).



Brock, J.C., and Sallenger, A., 2001, Airborne topographic Lidar mapping for coastal science and resource management: U.S. Geological Survey Open File Report 01-46, p. 4.

Brock, J.C., Wright, C.W., Nayegandhi, A., Clayton, T., Hansen, M., Longenecker, J., Gesch, D., and Crane, M., 2002, Initial results from a test of the NASA EAARL Lidar in the Tampa Bay Region: Transactions of the Gulf

the NASA Experimental Advanced Airborne Research Lidar (EAARL).

generated from the Lidar data tile and incorporated into this map product.

Data Description

Further Reading

Coast Association of Geological Societies, v. 52, p. 89-98. Wright, C.W. and Brock, J.C., 2002, EAARL: A Lidar for mapping shallow coral reefs and other coastal environments, in the Proceedings of the Seventh International Conference on Remote Sensing for Marine and Coastal Environments, Miami, May 20-22, 2002: Ann Arbor, MI, Veridian International Conferences, 1 computer optical disc.

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. Contour line and hillshade layers were

for each flightline. Data collection occurred with approximately 50% overlap between flightlines, resulting in about one laser

sounding per square meter. The data were processed by the USGS FISC (Florida Integrated Science Center) office, St. Petersburg, FL

to produce 1-meter resolution raster images that can be easily ingested into a Geographic Information System (GIS). The data were

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2008

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

Map Tile 366000e_4118000n

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