



NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY

Office of Corporate Communications

nga.mil | 571-557-5400 | publicaffairs@nga.mil | FB: NatlGEOINTAgency | @NGA_GEOINT

FOR IMMEDIATE RELEASE

No.2018-27

Oct. 1, 2018

Contact

NGA media relations

Phone: (571) 557-5450

Email: mediarelations@nga.mil

NGA, partners complete 2-meter resolution map of Arctic

SPRINGFIELD, Virginia – The National Geospatial-Intelligence Agency and its partners in academia and industry released the final planned 3-D digital elevation models of the Arctic in 2-meter resolution Sept. 28.

Release 7 of the ArcticDEM Project is a mosaic of time-stamped DEM strips that cover the entire Arctic and fills gaps from previous releases.

The resolution is more than five times that of the original release and covers just over 10 percent of the Earth's surface. Enhancements also include improved filtering to preserve coastlines and better resolve densely-forested areas subject to seasonal variation, according to the University of Minnesota's Polar Geospatial Center.

A digital elevation model is a 3-D representation of a terrain's surface, created from terrain elevation data. Analysis can be done on DEMs to determine or detect changes in topography over time.

Reduced-resolution versions of the mosaic are also available at 10 meters, 32 meters, 100 meters, 500 meters, and 1 kilometer for cartographic uses.

ArcticDEM maps can be downloaded from maps.apps.pgc.umn.edu/id/2366 and maps.apps.pgc.umn.edu/id/2367

Approved for public release: 19-002

###

About NGA

NGA delivers world-class geospatial intelligence that provides a decisive advantage to policymakers, warfighters, intelligence professionals and first responders. NGA is a unique combination of intelligence agency and combat support agency. It is the world leader in timely, relevant, accurate and actionable geospatial intelligence. NGA enables the U.S. intelligence community and the Department of Defense to fulfill the president's national security priorities to protect the nation. For more information about NGA, visit us online at www.nga.mil, on [Facebook](#) or on [Twitter](#).