
Global Data Explorer(GDEx)

Land Remote Sensing Data Access Workshop
March 13-14, 2012

Global Data Explorer (GDEx)

- **Overview**
- **Available Data**
- **Features and Functions**
- **Use Cases (Handouts)**
- **Feedback (Handout)**

GDEx Overview

USGS science for a changing world NASA LPDAAC USGS Home Contact USGS Search USGS

Global Data Explorer

Map Layers

- Background Image
 - ASTER Global DEM
 - NASA Blue Marble
- Data Coverage
 - ASTER Global DEM V2
 - SRTM 30m
 - SRTM 90m
 - GTOPO30
 - Blue Marble
- Legend

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
URL: <http://demex.cr.usgs.gov/DEMEX/>
Page Contact Information: LPDAAC@usgs.gov
Page Last Modified: 10/17/2011

Demo | GMU | CSISS | About GeoBrain | About ASTER GDEM | Contact

Global Data Explorer (gdex.cr.usgs.gov)

is a seamless data viewer providing access to multiple sources of digital elevation data sets. Geographic navigation and selection tools allow the user to subset and download data by area of interest in multiple formats and projections.

GDEx is the result of collaboration between the LP DAAC and George Mason University's Center for Spatial Information Science and Systems.

GDEx Data Availability

Product: ASTER Global DEM V2

Format: ASTER Global DEM V2

Projection: SRTM 90m

Compressed: SRTM 30m

Research Area: GTOPO30

By selecting 'Submit' you agree to redistribute the product with any organization or project that uses the GEO Disaster Tools. When presenting GDEM as a product of your organization, you must use the 'ASTER Global DEM V2' logo and include the following text: 'Effects of the -32768 fill value surrounding Polygon and Defined Area selections can be mitigated by stretching the histogram within the valid GDEM data range.'

January Blue Marble, Next Generation

February Blue Marble, Next Generation

March Blue Marble, Next Generation

April Blue Marble, Next Generation

May Blue Marble, Next Generation

June Blue Marble, Next Generation

July Blue Marble, Next Generation

August Blue Marble, Next Generation

September Blue Marble, Next Generation

October Blue Marble, Next Generation

November Blue Marble, Next Generation

- **ASTER Global DEM**
- **SRTM 30m USA**
- **SRTM 90m Global**
- **GTOPO30 Global**
- **Blue Marble (Monthly)**

GDEx Features and Functions

- **NASA ECHO/Reverb user account required to download data**
- **Show background images, data coverage extents, vector boundaries, and city points to support data selection**
- **Legend and scale**
- **Links to product documentation**
- **Square or polygonal area of interest**
- **Pre-defined areas of interest (state, county)**

GDEx Features and Functions, cont'd

- **Advanced, on-the-fly processing**
 - **Mosaic underlying tiles**
 - **Clip tiles or tile mosaics to your area of interest**
 - **Format output as GeoTIFF, ArcASCII, or JPEG**
 - **Project output to UTM or LAT/LON**
 - **Preview data before download**

GDEx Use Case 1

GET ASTER GDEM AND SRTM 90 FOR AN AREA OF INTEREST



GDEx Feedback

- **Tell us what you think! Your opinions and comments are very important. We do appreciate your taking the time to fill out our form.**