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Licensing & pricing (valid from 2 February 2012)

14.25/15/30/60/90m-resolution, global satellite imagery in simulated natural colour: "Earth Land Surface 2000 (ELS2000) Version 2"

Spatial resolutions	# of unique (no duplicate) mosaic files	Promotional pricing (US\$)	
		Company/Agency/University-wide license (for single legal entity only)	Integrator / Internet license
A - 14.25m (UTM)	928 (refer to Fig. 1)	\$4,000	\$8,000
B - 15m (lat/long)	931	\$4,000	\$8,000
C - 30m (lat/long)	1 unique global mosaic (Size: 1,296,000 X 648,000 pixels)	\$6,000 (*)	\$12,000 (*)
D - 60m (lat/long)	1 global mosaic (Size: 648,000 X 324,000 pixels)	\$2,000	\$4,000
E - 90m (lat/long)	1 global mosaic (Size: 432,000 X 216,000 pixels)	\$1,000	\$2,000
F - 14.25m (UTM) – false-colour input to ELS2000 V2	932	\$1,250	\$3,000
Complete first FIVE (5) datasets: All imagery in optimized JPEG2000 format. For other mixes, please ask.	A, B, C, D and E: 928 (14.25m-res) + 931 (15m-res) + 30/60/90m-res global mosaics	\$7,500 (*)	\$15,000 \$13,500 (*)

() Promotional pricing reflects extremely meticulous and enormous efforts we have invested for developing ELS2000 V2 global mosaics. Even with all separate tiles available, it could still take tens of thousands of dollars to make a seamless, convenient and easy-to-manage global mosaic.*

() These ELS2000 Version 2 licensees also receive 90m-resolution, global elevation mosaic (SRTM raw data for 180W-180E, 60N-56S region) and a series of shaded-relief base maps, free of charge. With two GLOBAL data sets (imagery and DEM) together, users can conveniently make endless 3D terrain simulations.*

Earth Land Surface 2000 Version 2

- 15/30/60/90m-resolution, natural-colour, near-global satellite imagery tiles
- A single seamless global mosaic at 30m-resolution (image size: 1,296,000 by 648,000 pixels; file size: 2.29 terabytes or 2,290 gigabytes)
- * Unique | Single large-sized file, ready to use | Complete coverage (Polar regions from MODIS) | Ocean waters sensibly masked
- * Top quality | State-of-the-art image processing | Years of research and production | Flexible licensing | Affordable

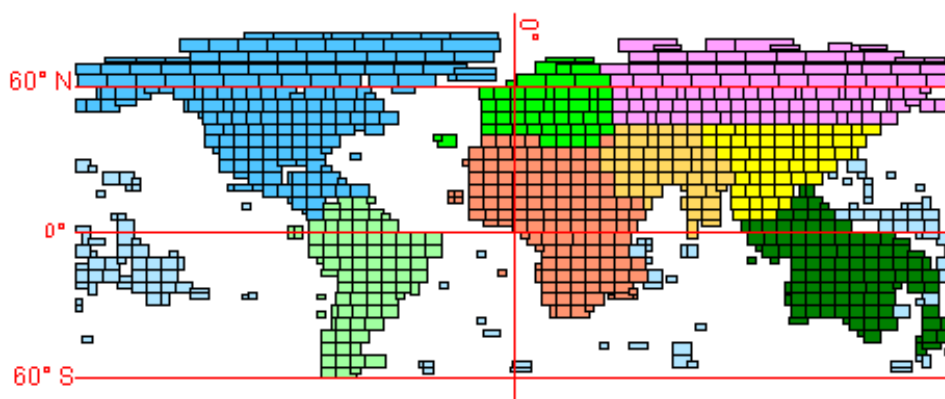
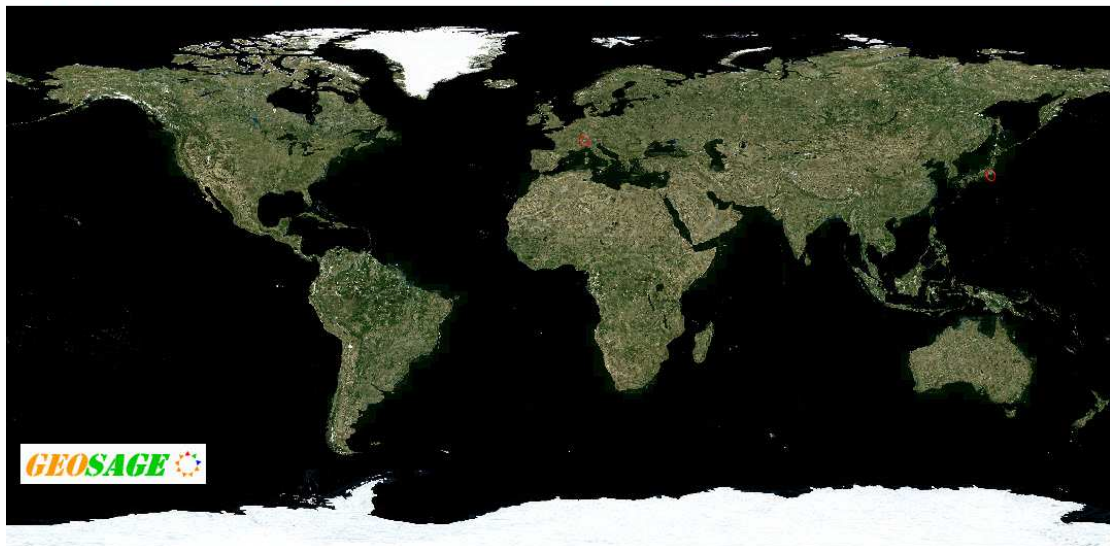


Fig. 1: 928 mosaic tiles (in general, each tile is with 6 by 5 degrees).

Specifications

A: Data source used for ELS2000 version 2

- NASA Orthorectified Landsat ETM+ GeoCover 2000 (false-colour bands 7/4/2 with a spatial resolution of 14.25m in UTM WGS84)
- Absolute positional accuracy: <50 m root-mean-square error
- Cloud cover: 90% of imagery with <10% cloud cover
- All image scenes acquired during 1999-2003
- Complete, high-quality inputs that USGS holds: 85% mosaic tiles based on uncompressed, lossless raw data, and 15% (parts of Eurasia and Africa) with finely-compressed lossy data but without compromising visual quality

B: ELS2000 Versions 2 Output

*Vibrant, impressive natural colour schemes, strongly competitive to those on Microsoft Bing Maps and Google Maps (Please compare and evaluate many samples provided at GeoSage website, it is your call which source is the best and the most cost effective!). **No gimmicks, seeing is believing!***

Projection	ELS2000 Version 2 (14.25m) - Original UTM/WGS84 ELS2000 (15, 30, 60 or 90m) - Latitude/Longitude Geographic WGS84.
Format	ELS2000 Version 2 (14.25m) – JPEG2000, ECW or any other format ELS2000 (15/30/60/90m) – JPEG2000, ECW or any other format
Pixel resolution	ELS2000 Version 2 (15m) - 0.000138888 degrees (about 15m at the Equator, Geographic WGS84) ELS2000 (30m) - 0.000277777 degrees (about 30m at the Equator, Geographic WGS84)
Image size	ELS2000 Version 2 (14.25m / 15m) - Varying ELS2000 (30m) - 1,296,000 X 648,000 pixels ELS2000 (60m) - 648,000 X 324,000 pixels ELS2000 (90m) - 432,000 X 216,000 pixels
Total file size	Complete 6 datasets in JPEG2000 format only: ~2TB. For example: ELS2000 Version 2 (14.25m) - GeoTIFF format: ~4.3 TB (for UTM/WGS84) – extra cost involved. ELS2000 single mosaic (30m) – 124 GB JPEG2000 format) ELS2000 single mosaic (60m) - 30 to 80GB in JPEG2000 format ELS2000 single mosaic (90m) – 10 to 30GB, depending upon JPEG2000 or ECW compression ratios
Media	ELS2000 datasets are stored on external hard drives with USB 2.0 / 3.0 compliant interfaces.

For more information, please visit ELS2000 website at www.geosage.com



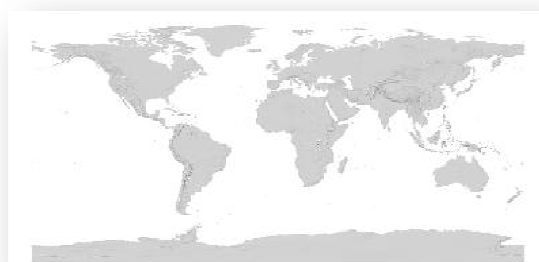
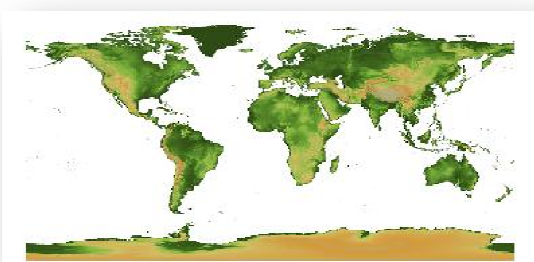
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Global elevation mosaic at 90m-resolution (SRTM raw data for 180W-180E, 60N-56S region) and shaded-relief base maps



Items	# of mosaic files	Pricing (US\$)	
		Company/Agency/University-wide license (for single legal entity only)	Integrator / Internet license
Elevation mosaics with raw data	SRTM mosaic - Raw data with gaps (180W-180E, 60N-56S; 432,000 X 139,200 pixels; 112GB)	500	N/A
	SRTM mosaic with gaps filled (180W-180E, 60N-56S; 432,000 X 139,200 pixels; 112GB)	1,500	3,000
	Extended to global coverage (180W-180E, 90N-90S; 432,000 X 216,000 pixels; 173GB)	2,000	4,000
Shaded-relief global base maps	Global base maps with various colour schemes & hillshading settings (432,000 X 216,000 pixels; JPEG2000 format)	500 per map	1,000 per map
Above two data sets	Global elevation mosaic + 6 shaded-relief global base maps	2,500	5,000
Note that this refined dataset is free to some ELS2000 Version 2 licensees			

Specifications

Inputs:

- 14,000+ tiles of the "finished" version of 90m-resolution SRTM distributed by USGS
- USGS Global Multi-resolution Terrain Elevation Data 2010 (GMTED2010) at 30, 15 and 7.5 arc-seconds (or ~1 kilometer, ~500 meters and ~250 meters, respectively).

Outputs:

Coverage	Global (SRTM raw data for 180W-180E, 60N-56S region)
Projection	Latitude/Longitude Geographic WGS84
Pixel resolution	90m
Image size	432,000 X 216,000 pixels
Format	JPEG2000, GeoTIFF, ENVI's IMG or any other format major GIS software packages support
File size	Single file for global elevation mosaic or shaded-relief base map - 173GB for the global elevation mosaic (by default, ENVI's IMG format) with gaps filled - 5 to 30GB for each shaded-relief base map (under JPEG2000 compression)
Additional file	SRTM mosaic mask showing pixels with elevation voids (gaps) in the raw SRTM tiles
Media	External hard drives with USB 2.0 / 3.0 compliant interfaces

Ordering and Delivery

All prices are in **US Dollars, including** costs for external drives and premier international courier delivery. For pricing of regional mosaics, please contact the developer. **Price may change without prior notice.**

Once the order and payment (through bank transfers or credit cards) have been received, data on external hard drives will be couriered within 5 business days. If you have any questions about the above data products and licensing terms, please send inquiries to sales@geosage.com