

PlanetObserver**PlanetDEM product suite - Specifications**www.planetobserver.com

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www.planetobserver.com/downloads**General specifications**

Coverage area	Global coverage
Projection/Datum	Geographic WGS84 (other projections available on demand)
File format	GeoTIFF and DTED
Delivery methods	HDD or FTP, depending on AOI size

PlanetDEM 30 Plus

Product	30-meter global elevation product
Resolution	1 arc second per pixel (30 meters per pixel nominal)
Description	Global and seamless elevation model produced with SRTM 1 Arc-Second data corrected with ASTER data, and completed with multisource elevation data for areas uncovered by SRTM product
Input data	SRTM 1 Arc-Second, ASTER GDEM v2, NSIDC, AGDC, CDED, cartographic sources. Oceans set to 0 meter
File format	GeoTIFF 16 bit-format and DTED2

Data structure

File format	Number of tiles	Tile size (in degree)	Tile size (in pixel)	Total dataset size
GeoTIFF	1 464	5° x 5°	18,000 x 18,000	883 GB
DTED2	25 518	1° x 1°	<i>n/a</i>	397 GB

PlanetDEM 90 Plus

Description	Sampled version of PlanetDEM 30 Plus
File format	GeoTIFF 16 bit-format and DTED1

Data structure

File format	Number of tiles	Tile size (in degree)	Tile size (in pixel)	Total dataset size
GeoTIFF	2 592	5° x 5°	6,000 x 6,000	173 GB
DTED1	64 800	1° x 1°	<i>n/a</i>	125 GB