Maxar® Imagery Orthorectification – DEM Attribution

Maxar imagery is orthorectified using a composite digital elevation model (DEM) produced from public, openly available, and licensed elevation datasets. Source DEMs are reformatted to a Maxar-defined common format and then merged to create a single, continuous elevation model over the global landmass and coastal areas. Source DEMs may be edited to improve alignment between adjacent datasets.

Source DEMs are not always used in their entirety. Rather, areas of the source DEMs are selected to provide the desired coverage. Use and location of coverage may change over time. In addition, adjustments to the DEMs are made over time to continually improve the accuracy of the model and the quality of the imagery orthorectified with it.

The composite DEM is used in the production of Maxar's ortho-level imagery products but is not part of the final imagery products.

Maxar Imagery Products

Maxar orthorectified imagery includes, but is not limited to, the following products.

- Map-ready imagery
- Vivid® and Dynamic imagery basemaps

DTM Sources

The following source DEMs may be included in the composite DEM used for Maxar image orthorectification. All DEMs noted may be edited from their original version.

Source DTM	Coverage	Data	Terms
SRTM 1 arcsec DTM	Global areas	SRTM 1 DTM	USGS ToU
NED DTMs (various)	US-48, Hawaii	NED DTMs	USGS ToU
Alaska IFSAR 5 m DTM	US-Alaska	IFSAR 5 m DTM	USGS ToU
Credit: U.S. Geological Survey			
AW3D 30 m DTM	Areas north of 60N	AW3D 30 m DTM	AW3D ToU
Credit: AW3D (JAXA)			
Airbus WorldDEM	Global sites	WorldDEM	WorldDEM ToU
Credit: Airbus Defence and Space			

Source DTM	Coverage	Data	Terms
GSI 10 m DTM	Japan	n/a	GSI DTM ToU
Credit: Geospatial Information Authority of Japan, digital elevation model, 2014. Used with edits. Approval (use) R 6JHs 650 by the Director of the Geospatial Information Authority of Japan based on the survey method.			
National Topographic Database 10 m DTM	Finland	NTD 10 m DTM	Finland DTM ToU
Credit: National Land Survey of Finland, National Topographic Database, 6/2014. Date accessed: 4/2020.			
Kartverket 10 m DTM	Norway	Norway 10 m DTM	Norway DTM ToU
Credit: © Kartverket (Norwegian Mapping Authority): DTM 10 Terrengmodell (UTM33) 2021 https://kartverket.no/en/api-and-data			
Sweden 50 m DTM	Sweden	Sweden 50 m DTM	Sweden DTM ToU
Credit: Lantmäteriet			
GIMP 30 m DEM	Greenland	Greenland 30 m DEM	Greenland DEM ToU
Credit: Howat, I., A. Negrete, and B. Smith. 2017. *MEaSUREs Greenland Ice Mapping Project (GIMP) Digital Elevation Model from GeoEye and WorldView Imagery, Version 1*. Subset used: DEM, all tiles. Boulder, Colorado USA. NASA National Snow and Ice Data Center Distributed Active Archive Center. https://doi.org/10.5067/H0KUYVF53Q8M. Data accessed: 4/2020. Authored by Howat, I., A. Negrete, and B. Smith. 2014. The Greenland Ice Mapping Project (GIMP) land classification and surface elevation data sets, *The Cryosphere*. 8. 1509-1518. https://doi.org/10.5194/tc-8-1509-2014			
REMA 8 m DSM	Antarctica	Antarctica 8 m DTM	Antarctica DTM ToU
Credit: PGC Credit: Howat, I. M., Porter, C., Smith, B. E., Noh, M.-J., and Morin, P.: The Reference Elevation Model of Antarctica, The Cryosphere, 13, 665-674, https://doi.org/10.5194/tc-13-665-2019, 2019.			