

DEM (DSM / DTM) PRODUCTS							
Types	Post Spacing (Grid Size)	DTM	DSM	Vertical accuracy	Horizontal accuracy	Min. Order size	File Type
Digital Globe Advanced Elevation Series *	8 m	Mapping		Relative (LE90): 5 m Absolute(LE90): 8 m	Relative (CE90): 8 m Absolute(CE90): 10 m	100 km2	Geotiff
	4 m	Precision		Relative (LE90): 2 m Absolute(LE90): 4 m	Relative (CE90): 4 m Absolute(CE90): 5 m		
	2 m	Very High Precision		Relative (LE90): 1 m Absolute(LE90): 2 m	Relative (CE90): 2 m Absolute(CE90): 3 m		
	8 m		Mapping	Relative (LE90): 5m Absolute(LE90): 8 m	Relative (CE90): 8 m Absolute(CE90): 10 m		
	4 m		Precision	Relative (LE90): 2 m Absolute(LE90): 4 m	Relative (CE90): 4 m Absolute(CE90): 5 m		
	2 m		Very High Precision	Relative (LE90): 1 m Absolute(LE90): 2 m	Relative (CE90): 2 m Absolute(CE90): 3 m		
WordView Elevation Suite	1 m	DSM		1 m absolute accuracy LE90	4.1 m CE90, 1:4800 map scale	210 km2	Geotiff
Tri-Stereo DSM (GAF)	0.5 m	Upon Request	DSM	Absolute Vertical Accuracy: < 3.5m (LE90)	Absolute Horizontal Accuracy: < 2.5m (CE90)	15 km x 15 km	Geotiff
Euro-Maps 3D **	5 m	Upon Request	Cartosat DSM	Relative (LE90): 2.5 m Absolute(LE90): 5-10 m	CE90 5-10 m	700 km2	Geotiff
Alos Dem Series	5m		DEM-Pro	5 m RMSE	6 m RMSE	1000 km2	Geotiff
	10 m		DEM-LIGHT	6 m RMSE	6 m RMSE	35km X35 km	
	5m		AW3D Level 1 DSM	5 m RMSE	5 m RMSE	400 km2	
	5m		AW3D Level 2 DSM	5 m RMSE	5 m RMSE	400 km2	
	5m	AW3D Level 3 DTM		5 m RMSE	5 m RMSE	400 km2	
Spot Dem ***	30 m	DSM		Area covered by reference 3D < 10 m	Area covered by reference 3D < 10 m	3000 km2	Dimap
				Area of 100,000 to 150,000 km2 < 10m	Area of 100,000 to 150,000 km2 < 10m		
				Area < 7200 km2 < 30m	Area < 7200 km2 < 20m		
Spot Dem Precision ****	20 m	DSM		LE90 10m, RMS 7m	CE90 10m, RMS 7m	3000 km2	Dimap
TerraSar-X Elevation 10	10 m		DSM raw	5 m- 10 m absolute accuracy LE90 depending on terrain	5 - 10 m (CE 90) depending on terrain	500 km2 Width of Aol ≥ 20 km, other widths on request	Geotiff
			DSM _{basic}				
			DSM _{hydro}				
		DTM					
TerraSar-X World DEM	12 m	WorldDEM _{core}		Absolute Vertical Accuracy >4 m (LE90), (<10 m TanDEM-X Mission Goal)	Absolute Horizontal Accuracy 10 m (CE90)	500 km2 WorldDEM TM : Width of Aol ≥ 10 km, other widths on request	Geotiff
		WorldDEM TM					
		WorldDEM DTM (Soon)		Soon	Soon		
TH-1	10 m	Grid DSM		1.5~3 m(Plain) and 2.5~5 m (Hill), 4~8m (Mountain),7~14m.(Alpine) Absolute Accuracy RMSE		500 km2 WorldDEM TM : Width of Aol =20 km	USGS DEM /Geotiff
	25 m	Grid DSM		3~6 m(Plain) and 5~10 m (Hill), 8~16m (Mountain),14~28m.(Alpine) Absolute Accuracy RMSE			
Aster GDEM	30 m	DSM		Vertical Accuracy ~20 m (LE90)	Horizontal Accuracy ~30 m (CE90)	Free	Geotiff
SRTM	90 m	DSM		Vertical Absolute Error ~16m	Horizontal Absolute Error ~20m	Free	Geotiff

* The vertical accuracies are based on low to medium relief areas that generally have a slope less than 30% for rugged areas.

** Verified over 22 test sites and valid for areas with slopes less than 20°

*** Vertical Slope < 20%

**** SPOT DEM Precision (SPOT DEM +traceability and quality metedata)