

## Compare versions in 4.4

		Viewer	Pro	Pro Geophysics
		Free	\$995/yr	From \$5000/yr
Contact us for more details: <a href="mailto:sales@mirageoscience.com">sales@mirageoscience.com</a>				
<b>Visualization and data editing</b>	Object types: drillholes/wells; curves/polylines; wireframe surfaces; 2D grids; 3D block models; regular, tensor, and octree 3D grids; topographically-draped, crooked-line 2D sections	Y	Y	Y
	Import, visualize, annotate, save, and distribute 3D geoscientific and mining data, models, and embedded documents/files	Y	Y	Y
	Data types: scalar, vector, text, categorical, and boolean	Y	Y	Y
	Tabular display of data values linked to visualization	Y	Y	Y
	Map and 2D profile views	Y	Y	Y
	Advanced interactive model clipping and slicing	Y	Y	Y
	Drape points, curves, and surfaces on surfaces	Y	Y	Y
	Texture drape geosimages and grids on surfaces	Y	Y	Y
	2D cross plot	Y	Y	Y
	Spherical viewer	Y	Y	Y
	GDAL coordinate reference system transformations	-	Y	Y
	Image registration to geographic locations	-	Y	Y
	Create and edit objects in 2D and 3D	-	Y	Y
	Scripting	-	Y	Y
<b>Import</b>	acQuire GIM Suite database	}	Y	Y
	AMIRA TEM			
	ASCII			
	AutoCAD DXF, DWG			
	Datamine			
	ESRI			
	GEOH5 (open format)			
	Geosoft BMP JPG TIF (.w)			
	Geosoft XYZ, GRD, GDB			
	GOCAD objects			
<b>Export</b>	Any objects to the GEOH5 open format	Y	Y	Y
	Curves to Geosoft GDB and ESRI SHP	-	Y	Y
	Points, curves, surfaces, 2D grids, and block models to Open Mining Format	-	Y	Y
	Points, curves, and surfaces to AutoCAD DXF and GOCAD ASCII files (.mx)	-	Y	Y
	Drillholes: collar, survey, interval, and point log to CSV files	-	Y	Y
	Data tables export to CSV	-	Y	Y
	Drillholes to LAS files (version 2.0)	-	Y	Y
	2D Grid to TIFF and ERS	-	Y	Y
	Block Models to UBC grid and model, and ASCII (csv.txt) - Leapfrog-friendly	-	Y	Y
	VP Models	-	Y	Y
	UBC observation files	-	-	Y

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		Viewer	Pro	Pro Geophysics
<b>Drillholes</b>	Advanced drillhole analysis, design, and targeting	-	Y	Y
	Compute distance to drillholes and visualize on geological model	-	Y	Y
	Desurvey drillholes	-	Y	Y
<b>Data processing</b>	Property transfer between points, curves, surfaces, 2D grids, and block model objects	-	Y	Y
	Minimum curvature gridding	-	Y	Y
	Fourier domain filtering	-	Y	Y
	K-means clustering	-	Y	Y
	Gravity corrections	-	Y	Y
	Line filters	-	Y	Y
	Edge detection	-	-	Y
	Peak finder	-	-	Y
	Trend lines and removal	-	-	Y
<b>Geophysical survey design</b>	Ground and airborne gravity and magnetics	-	Y	Y
	DC/IP	-	Y	Y
	Seismic reflection	-	Y	Y
<b>Geophysical modelling and inversion</b>	EM loop modelling	-	Y	Y
	3D grid/block model designer with increasing cell size with depth and padding	-	Y	Y
	Unlimited gravity, magnetic (TMI), and gravity gradient forward modelling	-	Y	Y
	Unlimited gravity, magnetic, and gravity gradient inversion	-	Y	Y
	API for running inversions on on-premise or cloud-hosted HPC environments	-	-	Y
	Magnetic component and remanent magnetization modelling and inversion	-	-	Y
	Geologically-constrained inversion	-	-	Y
	Assign 3D grid/block model cells to geological units	-	-	Y
	Geological contact and depth to basement inversion	-	-	Y
	Physical property inversion across all methods	-	-	Y
	1D EM data inversion	-	-	Y
	User interface to UBC-GIF*	-	-	Y
	VP Suite integration: VPmg, VPem1D	-	-	Y
	SimPEG integration: MVI, Gravity, DC/IP, MT, TEM, FEM	-	-	Y
	Prepare data, create 3D grids, incorporate physical property constraints and run inversions for UBC-GIF and VP Suite programs	-	-	Y
<b>Connectivity</b>	Python API - geoh5py	Y	Y	Y
	Live connection to Geoscience INTEGRATOR data management system	Y	Y	Y
	Live connection to Python including geoapps, plus Python UI creation tools	-	Y	Y
	Live connection to ioGAS	-	Y	Y
	Live connection to Maxwell	-	Y	Y

\* UBC-GIF (Sold separately): GRAV3D, GG3D, MAG3D, MVI, DCIP2D, DCIP3D, MVI, OCTGRVDE, OCTMADGE DCIPoctrree, E3DMT (MT/ZTEM), and TDocTree (TEM)