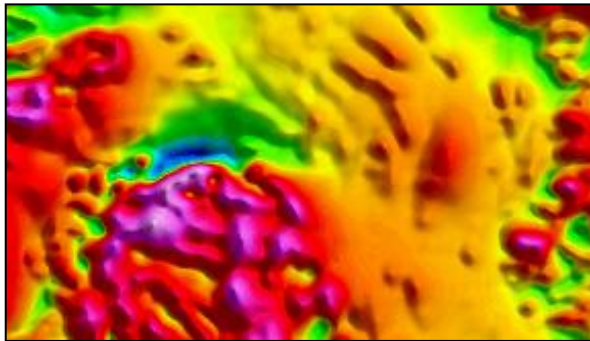




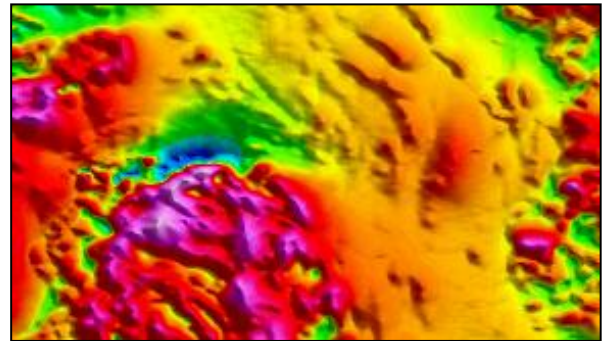
Airborne Geophysical Services Ultra High Resolution Magnetics

Increased Sensitivity

- Increased Sensitivity of < 1 pT
- Equal or greater than comparable Caesium magnetometers



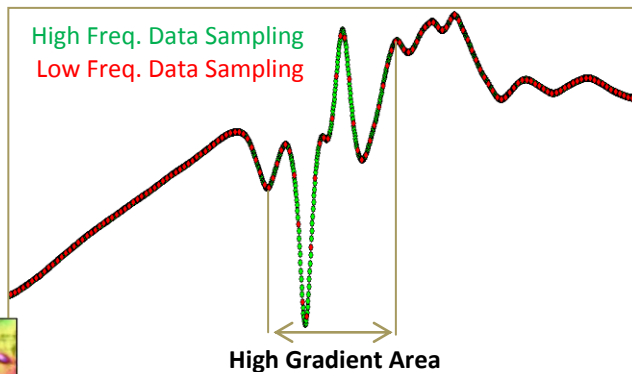
Lower Sensitivity



Increased Sensitivity

Sampling Rates

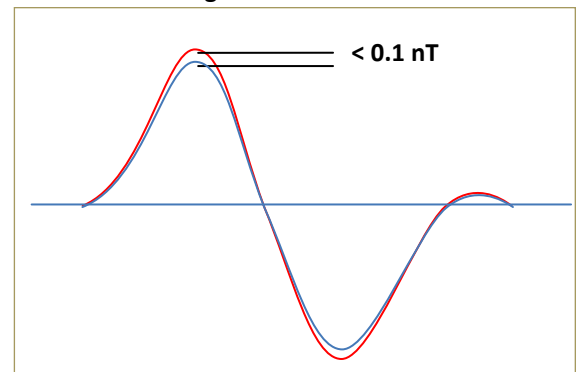
- Faster sampling rates of 20Hz and greater
- 2X or greater improvement over Caesium sensors
- Higher inline data density



Absolute Accuracy

- Accuracy of ± 0.1 nT between sensors
- Notable improvement over Caesium sensors

Two K-Mag sensors over same source



The most experienced airborne survey flight crew and safest helicopters with advanced communications.



K8aranda Geophysique
1685, chemin des patriotes
Sorel, Qc, Canada
J0G 1T0



Tel 418 571 5336

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ADVANCED GEOPHYSICAL PRODUCTS

MAGNETICS

- Magnetic Tilt Derivative
- Magnetic Analytic Signal
- 1st & 2nd Vertical Magnetic Gradient
- Cross-Line & In-line Magnetic Gradients
- Magnetic Reduction to Pole
- Upward & Downward

Total Magnetic Intensity

Magnetic Tilt Derivative

RADIOMETRICS

- Ternary Grid Product
- Radiometric Ratios



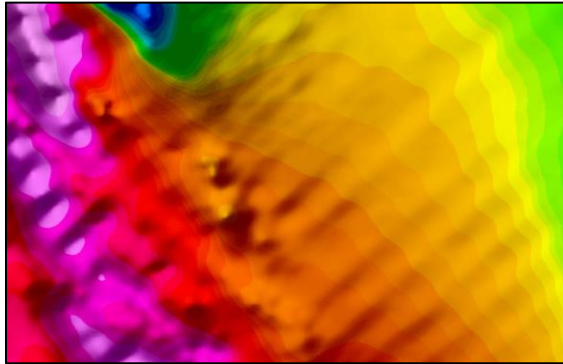
ADVANCED GEOPHYSICAL Analysis

- Geologic overview of project area
- Integration of previously collected exploration data
- Structural analysis based on geophysical data
- Anomaly picking and trend delineation
- Project advancement recommendations
- Provincial assessment quality reports



Heading Error

- Significantly reduced heading error for higher data quality
- Virtually no dependence on sensor field orientation
- Up to 10x improvement in heading error over Caesium magnetometers



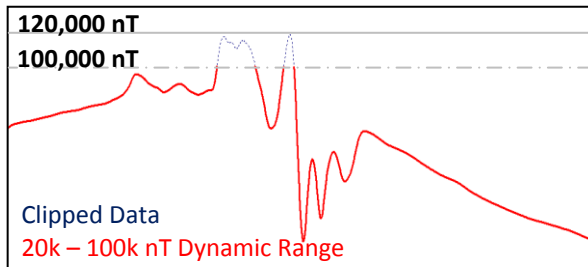
1 nT Heading Error



Virtually No Heading Error

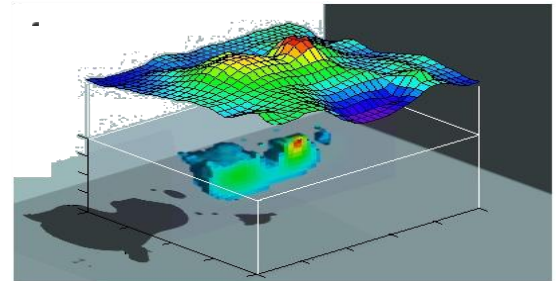
Gradient Tolerance

- 20,000 to 120,000 nT dynamic range boundary (20% higher than Caesium sensors)
- Capable of measuring gradients of up to 35,000 nT/m



Data Modeling

- Magnetic Inversion
- Three dimensional drill core analysis
- Drill collar selection based on optimal intersections
- Industry subject matter expert engagement



Sensor Lock

- 700 Hz bandwidth results in rapid tracking
- Reduced loss of lock (data gaps) due to sensor orientation
- Capable of 5,000 to 10,000 nT per second tracking
- Rapid loss of lock recovery
- 10 to 80 & 100 to 170 degree orientation ranges

