



MAURITANIA
West Africa



Mineral Exploration Case Study

Training in ground magnetometer survey

In 2010, Arrow Geophysics trained a team of operators to collect and QC ground magnetic survey data using a Geometrics G-859 magnetometer in western Mauritania.

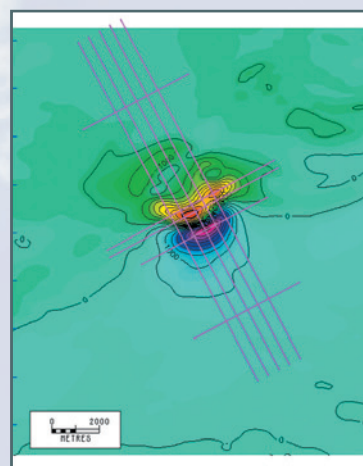
The work was carried out for a client engaged in base metal exploration, in particular over reconnaissance-scale airborne magnetic anomalies.

To enable further investigation, these airborne magnetic anomalies needed to be accurately relocated on the ground, hence the requirement for ground magnetometer survey training.



Operator training prior to leaving Nouakchott

Airborne magnetic anomaly targeted for further investigation



Topics covered on the training course included:

Day One (Theory)

- ▶ Introduction to ground magnetometry
- ▶ Field procedure
- ▶ Overview of the G-856 and G-859 magnetometers

Day Two (Practical)

- ▶ Establishing a base station
- ▶ Setting up the G-859
- ▶ Collecting data
- ▶ Downloading data
- ▶ Checking data using MagMap2000

Day Three and Four (On Site)

- ▶ Visit to survey area to apply the principles learnt so far
- ▶ Review learning objectives and discuss any questions arising from the field work

By the end of the training course, operators were able to carry out unsupervised ground magnetometer survey (including basic quality control) at remote field locations.

Arrow Geophysics combines world-class technical expertise with real-world field experience to provide pragmatic geophysical solutions to mineral exploration professionals across Africa, Europe and the Middle East.

If you would like to discuss a project similar to this case study, or to enquire about the technical and commercial benefits that geophysics can bring to your current exploration programme, then please do not hesitate to contact us.

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