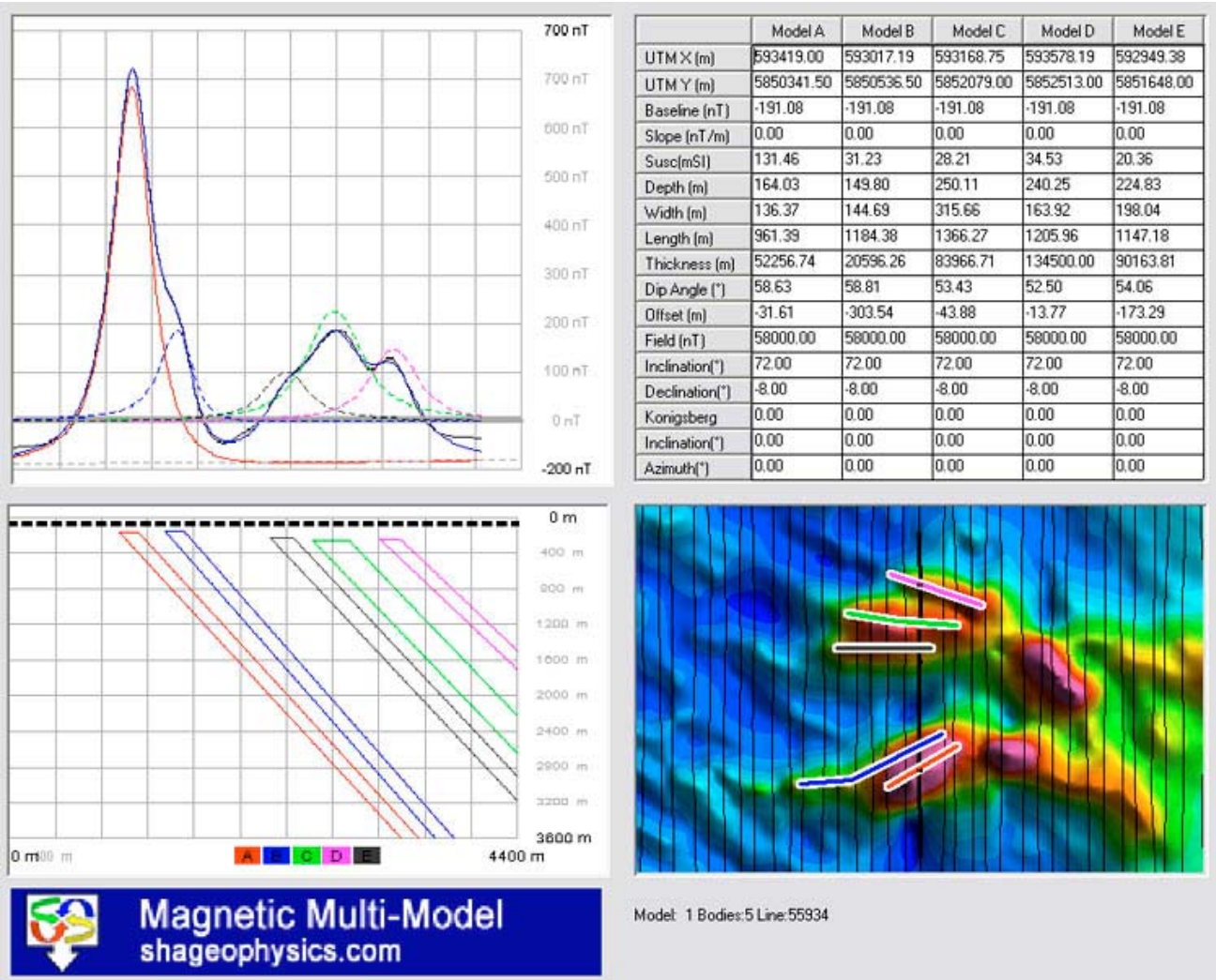




Multi-Model: A New Approach to Magnetic Modelling

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Many tools are available to model isolated magnetic anomalies but in practice such simple scenarios seldom exist. The **Multi-Model** approach allows adjacent bodies and their anomalies to be included in a single analysis scenario. All of the bodies individual model parameters can be optimized simultaneously in combination. The process is simple, efficient and flexible.

- Start with an image of total magnetic field, vertical gradient or other grid content of your choice.
- Interactively define the axes of the magnetic bodies of interest.
- Point to a crossing flight line in the profile database and highlight the section to be modelled.
- Select the magnetic axes of interest to compose the modelling scenario.
- Activate from 1 to 5 bodies and control the inversion of a single body or a multi-body combination.
- The quality of fit, and the influence of each body, is visually displayed.

Illustrated above is the result of a combined optimization of 5 magnetic bodies. This graphic image is generated to visually record the modelling result. As well, all of the body parameters are saved in a master project database. The contents of the table can be plotted on a map in a variety of numeric and symbolic formats.