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## **Assessing the Performance of Compensation in Aeromagnetic Gradiometry**

### **ABSTRACT**

Aeromagnetic compensation plays an important role in airborne magnetometry, and in particular, in gradiometer systems. This paper provides a perspective on the range of performance levels achieved in the compensation of typical commercial gradiometer systems, in terms both of residual errors, and the robustness and stability of model solutions. For brevity, the analyses presented are limited to lateral gradients on fixed-wing platforms.

**Keywords:** Aeromagnetic compensation, airborne gradiometry, airborne magnetometry.