

A LTS-SQUID system for archaeological prospection and its practical test in Peru

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Abstract: We present a new geomagnetic field measurement system for the detection of archaeological signatures in the soil. The system provides a unique fast mapping of large areas with high magnetic field gradient resolution as well as lateral precision. The data acquired by the device are geographically referenced and suitable for embedding in a Geographic Information System (GIS). © 2007 IEEE.

Author Keywords: Geographic information system; Geomagnetism; Gradiometer; Multisensor system; SQUID

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