

# Data collection, recording and transmission methods employed by the BGS geomagnetic loggers

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**A b s t r a c t:** Flare *Plus* is a data logger developed by the British Geological Survey (BGS) originally for use as a backup to the main UK observatory loggers. The hardware and software have been designed to create a logger that is reliable, low-powered, easy to deploy and operate, and with the ability to communicate data in a variety of ways for centrally controlled collection and processing. The design details behind these characteristics, which are described here, have led to the Flare logger being increasingly used in overseas observatories and remote locations.

**Key words:** observatories, recorders, transmission

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