

INTERMAGNET - its current status and its role in the geomagnetic community

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A b s t r a c t: In the INTERMAGNET Program, high-quality data from a world-wide network of magnetic observatories are sent in close-to-real-time via satellite or other electronic connections, such as the Internet, to collection and dissemination centres known as Geomagnetic Information Nodes (GIN). Currently, more than 75 observatories from over 30 countries are participating in INTERMAGNET. In addition, INTERMAGNET compiles definitive data from the INTERMAGNET observatories and publishes annually a CD-ROM containing these data. Both the real-time data and the quality-controlled definitive INTERMAGNET data-sets are fundamental to much geophysical and space science research, particularly that concerning our near-earth environment and the deep-earth (core-mantle).

Key words: magnetic observatories, digital data, international exchange

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