



GEOMAGNETIC OBSERVATORIES TIME SERIES

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Magnetic observatories have known continuous improvement over the last two decades, especially through the efforts of the Intermagnet organisation. An array of 100 observatories, working with (almost) the same standards, exists and the data are rapidly transmitted to the so-called geomagnetic GINS and to the world data centers. In addition to that, long series of homogeneous data, sometimes a hundred years long, from a number of old observatories, are an invaluable source of information. These series are not exploited enough.

We try to demonstrate this statement by showing some recent results obtained from observatories series, using simple techniques, relative either to the main field of the dynamo or to the external magnetospheric field. Possible relationships with the so-called climate evolution, or Earth's rotation are discussed.