



## **Study of local features of the geomagnetic field as contribution to understanding its global regime**

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Often the presence or absence of some local features of a dynamical process can provide prominent evidences of a particular regime instead of another. This is the case of the geomagnetic field. The rapid decay of the local power of the geomagnetic field over Antarctica looks as a local precursor of a more global phenomenon. In addition, the space-time dynamics of the south geomagnetic pole and its field decay show an interesting intermittent synchronicity with similar timescales. All these local aspects confirm that the present situation of the geomagnetic field is rather unique and is likely to persist further into the future, probably for another century, although longer predictions are not possible.