

Comparison of the variations of the geomagnetic field at two different time periods

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In the present study, we obtained global variations of the geomagnetic field at two different time scales (1972-1998 and 500-2000), compared the dominant feature of the variations. For the short time period analysis, annual mean values provided by the geomagnetic observatories were used, whereas, for the long term variations, we used paleomagnetic data obtained mainly from lake sediments and historical lava flows. From the long-term variations, well-known westward drift of the geomagnetic field is evident. But, north-south movement is dominant in the short term variations.