

## ***Interactive comment on “2-D Empirical Mode Decomposition on the sphere, application to the spatial scales of surface temperature variations” by N. Fauchereau et al.***

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This paper is concerned with techniques of data analysis on a two-dimensional region, notably a sphere. It is an extension of the Empirical Mode Decomposition method of analysis of time series developed by Huang and colleagues, which I have found to be very helpful and have used many times. Here the one-dimensional time series is replaced by a two-dimensional area, but the methodology is the same. The authors demonstrate that it seems to work quite well as a means of decomposing data over an area, and it deserves to become widely known in a variety of disciplines, and the climate area in particular. With a bit of practice, I would envisage using it myself.

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Some minor corrections have been communicated to the authors.

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