

Ann. Geophys. Discuss., community comment CC2  
<https://doi.org/10.5194/angeo-2022-4-CC2>, 2022  
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## Reply to AC1

Spencer Hatch

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Community comment on "The time derivative of the geomagnetic field has a short memory" by Mirjam Kellinsalmi et al., Ann. Geophys. Discuss.,  
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I now appreciate that with such a heavily bimodal distribution as the authors show in their attached figure, the circular mean and other standard tools and statistics for working with circular data are really not very helpful.

I have spent some time searching, but have not been able to locate any standard, accepted tools for analyzing bimodal circular data. Given this lack, the authors' approach seems sensible.