

Interactive comment on “The transient variation of the complexes of the low latitude ionosphere within the equatorial ionization anomaly region of Nigeria” by A. B. Rabiou et al.

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1. Please refer to references for proper clarification on the direction of B field close to the equator.
2. The comment was right E X B drift only in the F region; corrections will be effected in the main paper where necessary.
3. Please refer to other cited literatures where such techniques have been used.
4. Please refer to all given references on the techniques of embedding and phase space reconstruction.

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5. Please refer to all given references on the techniques of embedding and phase space reconstruction.
6. Please refer to the reference (wolf et al 1985) on the computation of a Lyapunov exponents.
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8. The write up was necessary as it gives relationship between Lyapunov exponent Tsallis entropy as recommended by previous referees in the previous paper since both parameters are being used together and also comparatively. The mathematical expressions describing the Tsallis entropy have been given in the text please consult referees for further understanding.
9. The equations are necessary, 14 is the basic moving average method equation. There are typographical errors in the equations that will be corrected
10. Please see reference and other Literatures like the Physics of the ionosphere and magnetosphere by John Ashworth Ratcliffe to understand the concept of acoustic motions in the upper atmosphere.
11. It is true that there can be major storms in solstice on that point. However, many literatures have proven that the effect of solar wind and activities on the earth are usually higher during the equinoxes. The statement can be rephrased.

We appreciate your comments and we shall look into a few points we find relevant but we will need you to refer to literatures where necessary. Thank you.

Interactive comment on Nonlin. Processes Geophys. Discuss., 1, 1855, 2014.

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