Correction to "Scaling of solar wind ϵ and the AU, AL and AE indices as seen by WIND"

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INDEX TERMS: 2784 Magnetospheric Physics: Solar wind/magnetosphere interactions; 2788 Magnetospheric Physics: Storms and substorms; 2704 Magnetospheric Physics: Auroral phenomena (2407); 2159 Interplanetary Physics: Plasma waves and turbulence; 3250 Mathematical Geophysics: Fractals and multifractals; 9900 Corrections. **Citation:** Hnat, B., S. C. Chapman, N. Watkins, and M. P. Freeman, Correction to ''Scaling of solar wind ϵ and the AU, AL and AE indices as seen by WIND'' by B. Hnat, S. C. Chapman, G. Rowlands, N. W. Watkins, and M. P. Freeman, *Geophys. Res. Lett.*, *30*(8), 1426, doi:10.1029/2003GL017194, 2003.

[1] In the paper "Scaling of solar wind ϵ and the AU, AL and AE indices as seen by WIND" by B. Hnat et al. (Hnat, B., S. C. Chapman, G. Rowlands, N. W. Watkins, and M. P. Freeman, Scaling of solar wind ϵ and the AU, AL and AE indices as seen by WIND, *Geophys. Res. Lett.*, *29*(22), 2078, doi:10.1029/2002GL016054, 2002) the results for AE and AU indices have been erroneously interchanged. Figures 1 and 4 should refer to δAE. In the Figure 2 labels of the fitted lines for AU and AE should be interchanged. The corrected Figure 5 is shown below. Our results and conclusions are unchanged with the exception of the maximum timescale, τ_{max}, for which self-similarity persists for the AU and AE indices. We have previously identified this timescale to be $\sim$4 hours for AU and $\sim$2 hours for AE index whereas this should be $\sim$2 hours for AU and $\sim$4 hours for AE. This now resolves the paradox raised in paragraph [7] on page 3 of the paper in that now AE and AL share the same scale break timescale.

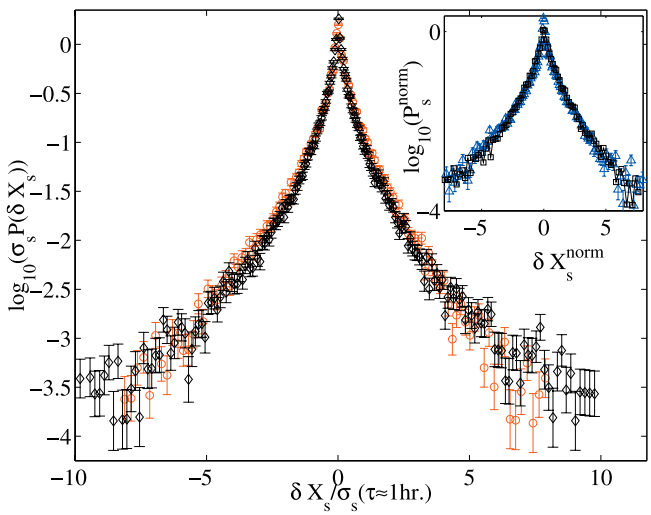

Figure 5. Direct comparison of the fluctuations PDFs for ϵ ($\diamond$) and AE index ($\circ$). Insert shows overlaid PDFs of AU($\square$) and *AL*(Δ) fluctuations. Error bars as in Figure 1.

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