

Thankyou for your recommendations for improving this manuscript. I have diligently addressed the four remaining problem areas as described below:

1. electrojet timescales

line 20: changed to "strength and position" (further explanation deferred to the Conclusion)

line 334-336: added specific connection to physics together with reference (Takalo and Timonen)

2. AE definition

lines 123-4, 255, 333 - defined correctly, with reference (Davis and Sugiura), and word "average" removed or changed to "synthesis"

line 319 added "nor meaningful"

3. "physics of geomagnetic activity"

line 202 here "physics" changed to "behaviour" (viz. as can be seen by examination of time series such as Fig.1. Mention of physical mechanisms is deferred to later on

line 216 added "any underlying" - here "the physics" was meant to be general/ the big picture - a physicist can often relate more to a spectrum than a DFA plot.

4. "complexity matching" usage:

line 31 and 301 - removed and reworded