

Interactive comment on “Transient behavior in the Lorenz model” by S. Kravtsov et al.

Anonymous Referee #1

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The authors qualitatively investigate the transient behavior of the three-variable Lorenz model. They do this by plotting metrics of duration times for initial conditions far from the asymptotic attractor. This is a topic of recent interest and I think the authors do a good job with the topic. The paper is well written and it was a pleasure to read.

As side note, I think the authors could include a bit more quantitative analysis without compromising readability. For example, a histogram plot of the duration times would provide the reader with a better quantitative understanding of the interesting transient behavior. The adjectives used throughout the paper are also qualitative. For example, when I read “bunch of trajectories” I think how many is a bunch? Finally, it might be worthwhile to point out an example or two of shocks to the system. For example, how about the response of the climate system to a super typhoon or to a season with many of them.

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