

Interactive comment on “Evidence for non-Gaussian distribution of rock weathering rates” by S. Emmanuel

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This is a well written paper that explores statistical distribution of weathering rates using a simple, but very high quality, dataset of surface retreat of building limestone. This kind of evidence of statistical distribution of weathering rates will drive future research on understanding what controls the observed distributions and may lead the community more toward statistical treatment of weathering rates, including uncertainty quantification, in numerical modeling and experimental research. Time will tell if we can gather the kinds of data necessary in larger scale natural field systems to provide additional evidence of statistical distributions but this study provides the motivation to push forward on that front.

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Interactive comment on Earth Surf. Dynam. Discuss., 3, 561, 2015.

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