Geoscientific
Model Development
Discussions

Interactive comment on "An open-source MEteoroLOgical observation time series DISaggregation Tool (MELODIST v0.1.0)" *by* Kristian Förster et al.

Anonymous Referee #2

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Review comments for gmd-2016-51

Overall, it is a well-done and useful paper. It brings together a number of methods together in one convenient place and software tool for the practitioner. When I next need to generate hourly meteorological data, I will refer to this paper and likely use the Python tool as well.

p. 2 In the discussion of the three approaches used for generating hourly timeseries, it would be helpful to point out even more explicitly to what degree each method can potentially reproduce the actual, time-specific values that represent actual history. The order of decreasing potential would be 1, 3, 2.

p. 6, line 14 Missing word "always" after "almost"

p. 6, Section 3.4.2 Suggest a stronger word than "overlie", perhaps "overpower" or "overwhelm or replace" to describe how a low-pressure system can be more important than local effects for wind generation.

p. 9, line 21 Misspelling: "releated"

p. 15, line 2 Would make more sense as "simple and easy-to-use"

Table 7 caption Suggest saying "parentheses" instead of "brackets"

p. 16, line 4 Instead of "warranted" a better phrase would be "inherent in the methodology".

Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-51, 2016.