

Interactive comment on “Upscaled diurnal cycles of land-atmosphere fluxes: a new global half-hourly data product” by Paul Bodesheim et al.

Anonymous Referee #1

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Potentially a very high quality and very useful data set, good product for ESSD.

Three barriers to overcome / improve:

- 1) Data access requires registration and notification. Not acceptable for an open access data journal.
- 2) Very confusing use of the term 'diurnal'. Needs a systematic re-assessment and revision of terminology.
- 3) Possible data file error. If due to an ingest or plotting error by this reviewer, authors need to verify original file and contents. If confirmed, authors will need to implement a thorough check and validation across all source files. Manuscript not acceptable without one or the other outcome.

C1

Detailed comments in supplement.

Please also note the supplement to this comment:
<https://www.earth-syst-sci-data-discuss.net/essd-2017-130/essd-2017-130-RC1-supplement.pdf>

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2017-130>, 2018.

C2