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To cite this article: Junjiong Shao, Xuhui Zhou, Yiqi Luo, Bo Li, Mika Aurela, David Billesbach, Peter D. Blanken, Rosvel Bracho, Jiquan Chen, Marc Fischer, Yuling Fu, Lianhong Gu, Shijie Han, Yongtao He, Thomas Kolb, Yingnian Li, Zoltan Nagy, Shuli Niu, Walter C. Oechel, Krisztina Pinter, Peili Shi, Andrew Suyker, Margaret Torn, Andrej Varlagin, Huimin Wang, Junhua Yan, Guirui Yu & Junhui Zhang (2016) Direct and indirect effects of climatic variations on the interannual variability in net ecosystem exchange across terrestrial ecosystems, *Tellus B: Chemical and Physical Meteorology*, 68:1, 30575, DOI: [10.3402/tellusb.v68.30575](https://doi.org/10.3402/tellusb.v68.30575)

To link to this article: <http://dx.doi.org/10.3402/tellusb.v68.30575>



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Published online: 24 Jan 2017.



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Direct and indirect effects of climatic variations on the interannual variability in net ecosystem exchange across terrestrial ecosystems

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(Manuscript received 30 November 2015; in final form 10 July 2016)

ABSTRACT

Climatic variables not only directly affect the interannual variability (IAV) in net ecosystem exchange of CO₂ (NEE) but also indirectly drive it by changing the physiological parameters. Identifying these direct and indirect paths can reveal the underlying mechanisms of carbon (C) dynamics. In this study, we applied a path analysis using flux data from 65 sites to quantify the direct and indirect climatic effects on IAV in NEE and to

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Responsible Editor: Anders Lindroth, Lund University, Sweden.

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