

Interactive  
Comment

# ***Interactive comment on “Seasonal characterization of CDOM for lakes in semi-arid regions of Northeast China using excitation-emission matrices fluorescence and parallel factor analysis (EEM-PARAFAC)” by Y. Zhao et al.***

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One key point of this paper that I missed from my earlier comments:

When I got the response from author comments, I have been checked once again the research paper. At the same time, I also read the one of the referee comment. My missing point is that author used the Raman Unit ( $\text{cm}^{-1}$ ) that can change the excitation-emission wavelengths and also at the same time the fluorescence intensity of the fluo-

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rescence peaks. Such effect is problematic for future understanding of the fluorescence spectra of various components. Author can read this issue in the reference paper that I have been provided before. It has been elaborately discussed how the Raman Unit affects the peak wavelengths and also the intensity. I strongly suggest using the arbitrary unit (a.u.) or standard Quinine sulfate unit (QSU) instead of Raman Unit (cm-1) and then rewrite the sections which are needed throughout the manuscript.

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Interactive comment on Biogeosciences Discuss., 12, 5725, 2015.

## BGD

12, C3088–C3089, 2015

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