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Comment

## ***Interactive comment on “Remote sensing of ecosystem light use efficiency with MODIS-based PRI – the DOs and DON’Ts” by A. Goerner et al.***

### **Anonymous Referee #3**

Received and published: 15 November 2010

This paper is an important next step forward in the development of approaches to remotely sense carbon fluxes, examining the use of PRI from MODIS to determine light use efficiency. It looks at areas that have been previously established as problems: view angles and optimum reference bands, but it goes well beyond to address new and important issues of relationships across multiple different vegetation types and the interactions of fPAR and LUE. It does a good job addressing all of these issues.

The PRI and fPAR observations may be expected to be consistent across sites, since all sites are observed by the same instrument and processed in the same way. However, the flux data were collected at multiple sites by different investigators. Has the variability in the flux data been examined in the LaThuile dataset? How much variation in the grouped PRI-LUE relationships is due to biases in the flux data between sites

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and years?

The title does not really describe the content and should be changed. Some of the sentences in the paper are awkward, a pass by an editor would make the paper easier to read.

This paper should be published after revisions.

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Interactive comment on Biogeosciences Discuss., 7, 6935, 2010.

**BGD**

7, C3805–C3806, 2010

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