

## ***Interactive comment on “In situ measurements of isoprene and monoterpenes within a South-East Asian tropical rainforest” by C. E. Jones et al.***

### **Anonymous Referee #1**

Received and published: 2 March 2011

P1191, line 1-5. please cite Guenther et al. 2008. Biogenic VOC emissions from African, American, and Asian tropical forests. American Geophysical Union, Fall Meeting 2008, abstract A14C-04, <http://adsabs.harvard.edu/abs/2008AGUFM.A14C..04G>. Biogenic Volatile Organic Compound (BVOC) emission models (e.g., Guenther et al. 1995) estimate that the tropics, which contain about 40

NON- METHANE VOC EMISSIONS. From vegetation 600 Tg C yr<sup>-1</sup> Isoprene, terpenes, oxygenates. . .

P1197, line 23-25. Literature need to be referred.

Line 25-26. The isoprene mixing ratio peaked just after midday, slightly later than the maximum PAR. Isoprene emission is developmentally delayed relative to photosynthe-

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sis (Grinspoon et al. 1991).

P1198, line 10-12. Since ozone concentrations... It is not supported by evidence. Isoprene emission is related to photosynthesis but the response of isoprene emission to environmental parameters.

P1201, line 10 and 20. How did figure out OH reactivity?

In Abstract, the results don't been mentioned from 3.3 VOC carbon budget and OH reactivity within the natural rainforest  
3.4 Regional differences in VOC composition and OH reactivity.

Please also note the supplement to this comment:

<http://www.atmos-chem-phys-discuss.net/11/C447/2011/acpd-11-C447-2011-supplement.pdf>

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Interactive comment on Atmos. Chem. Phys. Discuss., 11, 1189, 2011.

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