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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Spectral dependence of aerosol light absorption over the Amazon Basin" *by* L. V. Rizzo et al.

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Comment 1: P.11548 L9: Aethalometer AE20 measures the absorption at 370 nm (UV) and 880 nm (NIR) and not "visible" as mentioned in the abstract. Response 1: We agree, and corrected it.

Comment 2: P.11549 L22, and P.11550 L3: Typo needs to be corrected ("Shuster" –> "Schuster"). Response 2: Corrected.

Comment 3: P.11549 L 22; 11550 L14: "Angstrom (1929)", and "Bond and Bergstrom (2006)" are cited in the text but missing from the list of references. Response 3: All references and citations were checked and corrected.

Comment 4: P.11552: It would be nice if the authors could add a figure showing a map

with the measurement sites. Response 4: : In response to this comment, we added the following figure.

Figure 1: Diagram showing the locations of the two Amazonian sampling sites considered in this study. Satellite data available from the U.S. Geological Survey.

Comment 5: P.11560 L5: "...calculated the Aethalometer..." –> "...calculated Aethalometer...". Response 5: Corrected.

Comment 6: P.11562 L4: "biological" –> "biogenic" Response 6: Corrected according to the referee suggestion.

Comment 7: "Bond (2001)", "Grahan et al. (2003)", "Guyon et al. (2003)", "Muller et al. (2011)", and "Yamasoe et al. (2000)" are not cited in the text, but mentioned in the list of references. Please check these references. Response 7: All references and citations were checked and corrected.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 11547, 2011.

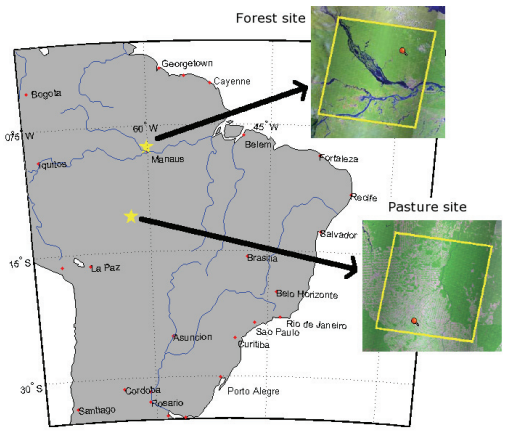

Fig. 1. Diagram showing the locations of the two Amazonian sampling sites considered in this study. Satellite data available from the U.S. Geological Survey.