



*Supplement of*

## **OMI tropospheric NO<sub>2</sub> air mass factors over South America: effects of biomass burning aerosols**

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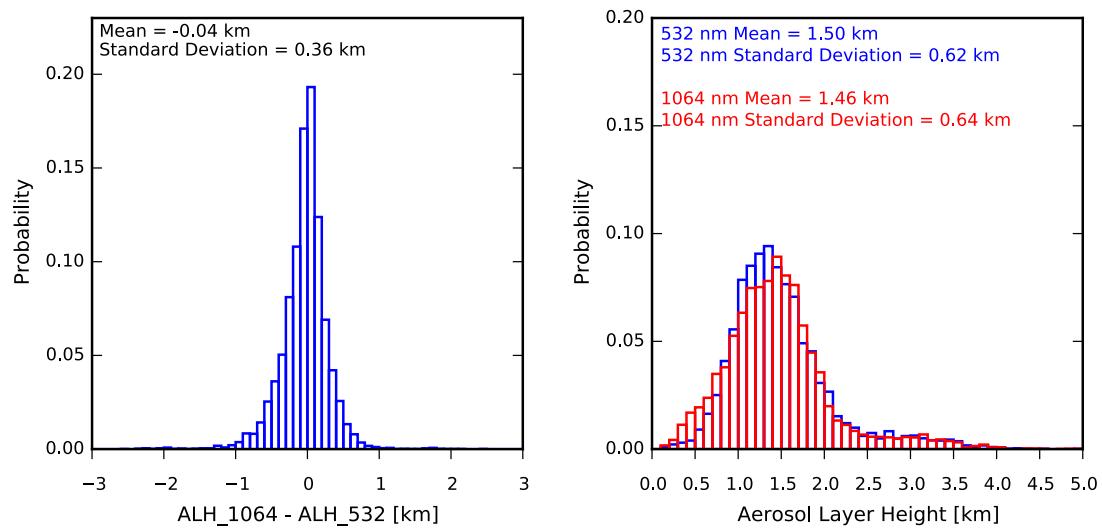


Figure S1. The probability distributions of the effective aerosol layer height derived from the 1064 nm and 532 nm CALIOP aerosol extinction vertical profile observations and their difference