

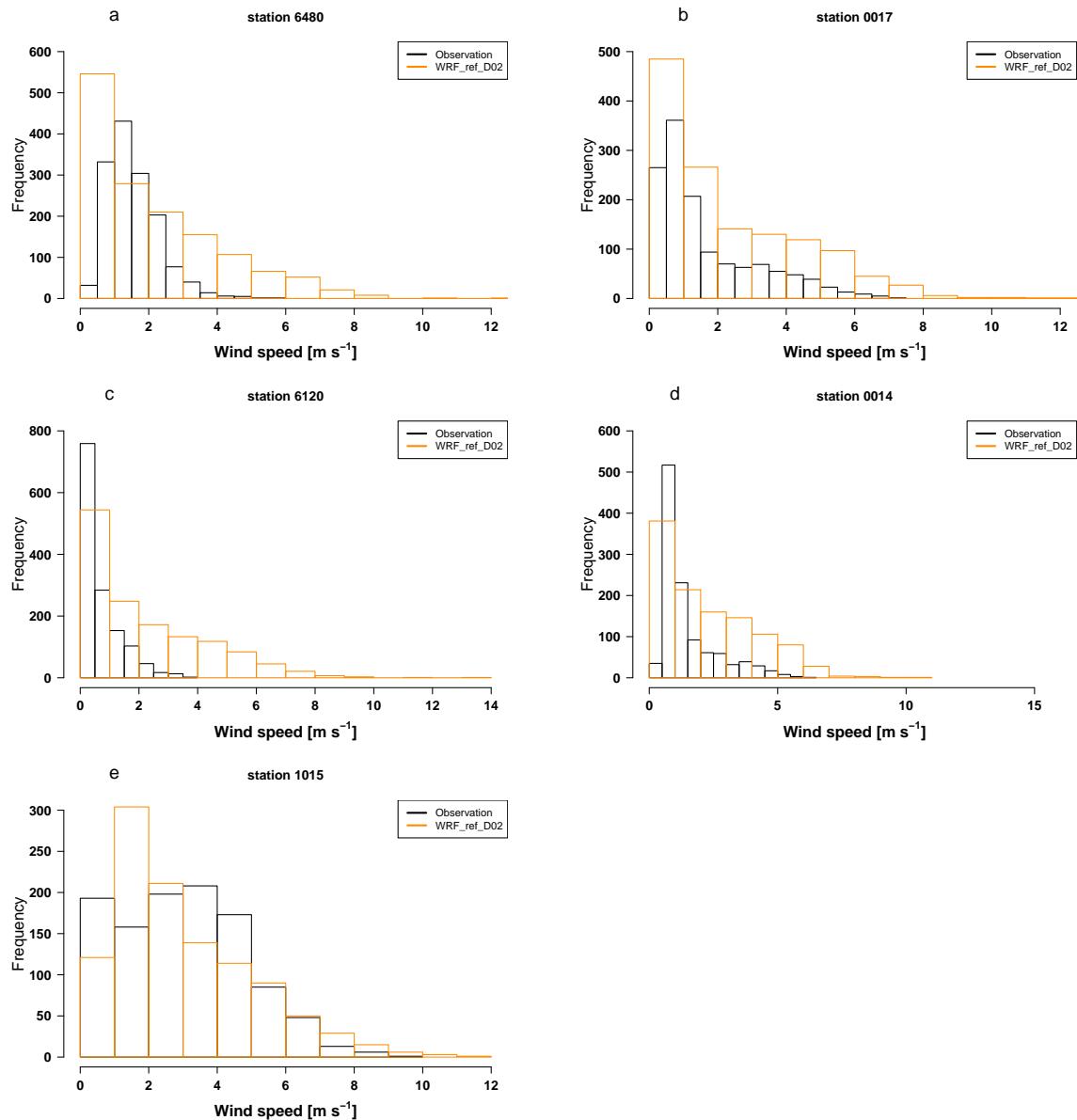
# Air quality in the Kathmandu Valley: WRF and WRF-Chem simulations of meteorology and black carbon concentrations in Nepal

Andrea Mues<sup>1</sup>, Axel Lauer<sup>2</sup>, Aurelia Lupascu<sup>1</sup>, Maheswar Rupakheti<sup>1</sup>, Friderike Kuik<sup>1</sup>, and Mark G. Lawrence<sup>1</sup>

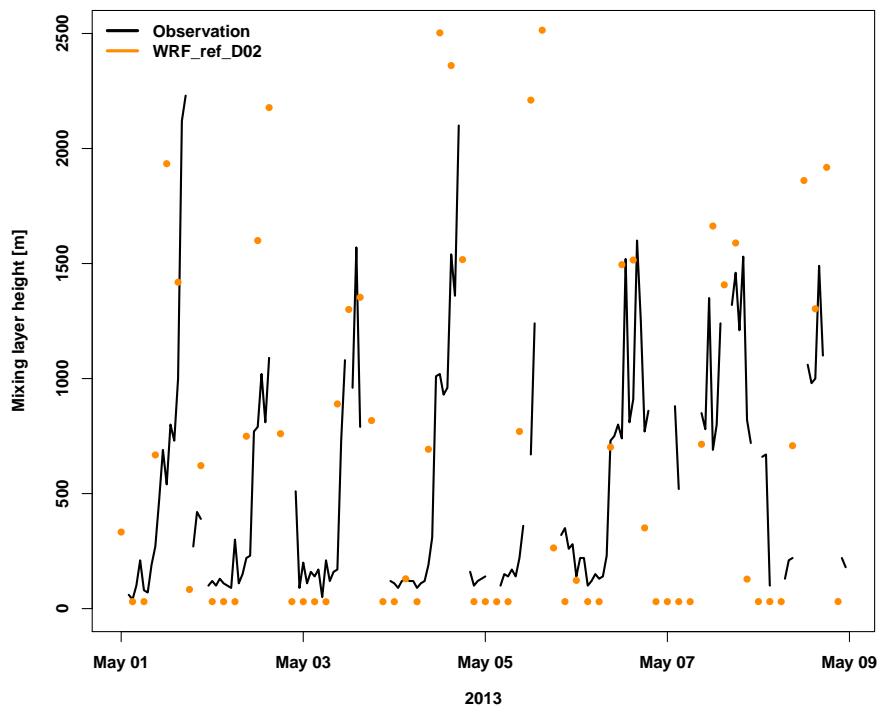
<sup>1</sup>Institute for Advanced Sustainability Studies (IASS), Potsdam, 14467, Germany

<sup>2</sup>Deutsches Zentrum für Luft- und Raumfahrt (DLR), Institut für Physik der Atmosphäre, Oberpfaffenhofen, Germany

*Correspondence to:* A. Mues (Andrea.Mues@iass-potsdam.de) and A.Lauer (Axel.Lauer@dlr.de)



**Figure S1.** Histograms of wind speed at different stations for the time period January to June 2013.



**Figure S2.** Time series of the mixing layer height [m] for the time period 1 to 9 May 2013.