**Atmospheric
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Interactive
Comment

Interactive comment on "Using 3DVAR data assimilation system to improve ozone simulations in the Mexico City basin" *by* N. Bei et al.

N. Bei et al.

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We thank the reviewer's comment on Fig. 3. However, we found a little difficult in understanding the suggested corrections. Below is our explanation about this.

Page 12537, line 7: It is difficult to see significant differences in the profiles presented in Fig. 3. Perhaps the differences could be quantified better by plotting the observed profile in one panel and differences between the observed and simulated profiles in other panels.

Since the differences between the winds are actually the difference between two vectors. It's not easy to understand somehow. We think our original figure will be easier to understand with the additional explanation in the text (See the revised manuscript).

Interactive comment on Atmos. Chem. Phys. Discuss., 8, 12529, 2008.

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