

Interactive
Comment

Interactive comment on “1997–2007 CO trend at the high Alpine site Jungfraujoch: a comparison between NDIR surface in situ and FTIR remote sensing observations” by B. Dils et al.

B. Dils et al.

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First of all we would like to thank the referee for her/his valuable comments.

Overall comment regarding the abstract: After rereading the article it indeed struck us that the original abstract was rather terse, so as per suggestion we have expanded this part, giving more emphasis to the obtained results.

Minor Comment #1: The uncertainties listed are the standard errors (not standard deviations) and are thus strongly impacted by the number of data points. This number drops dramatically if we only use NDIR data that fall within a certain time of a FTIR measurement (the FTIR dataset is much smaller). When we then expand the collo-

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cation time window the standard error does improve as the number of collocated data points increase again, but not strong enough to change the significance level. We have included the number of data points involved in each trend calculation in table 1.

Minor Comment #2: We found this to be quite clear in the text and saw no pressing need to include this information in the caption. If we had done so, for the sake of consistency, we would have to implement this in all figures and it might become confused with the temporal overlap criteria so we decided not to follow this suggestion.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 8977, 2011.

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