

Interactive comment on “The impact of embedded valleys on daytime pollution transport over a mountain range” by M. N. Lang et al.

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I just read the ACPD manuscript entitled “The impact of embedded valleys on daytime pollution transport over a mountain range” and realized that two important recent references on the boundary layer dilution in mountain valley atmosphere are missing; Authors discussed the impact of different mountain geometries on daytime pollution transport by thermally driven winds. I suggest citing the following representative papers on the subject and discussing: 1. Wind speed and wind reversal in a valley: Pal et al., 2014. Impact of atmospheric boundary layer depth variability and wind reversal on the diurnal variability of aerosol concentration at a valley site. *Science of the Total Environment*, 496, 424–434. 2. Impact of wind reversal on tracer concentrations

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over a mountaintop: Lee et al., 2015. Meteorological controls on the diurnal variability of carbon monoxide mixing ratio at a mountaintop monitoring site in the Appalachian Mountains, *Tellus B* 2015, 67, 25659.

Interactive comment on Atmos. Chem. Phys. Discuss., 15, 14315, 2015.

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