

***Interactive comment on “A dataset of tracer concentrations and meteorological observations from the Bolzano Tracer EXperiment (BTEX) to characterize pollutant dispersion processes in an Alpine valley” by Marco Falocchi et al.***

**Anonymous Referee #2**

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This paper excellently describes a tracer experiment in the mountains of Italy, to study the fallout from an incinerator in a valley with high terrain. The experiment was clearly very carefully designed and a great deal of work went into ensuring that measurement sites were selected intelligently (using model runs to predict wind patterns), and that the execution was coordinated very well, with a team of 14 scattered throughout the area to take simultaneous measurements.

The results are presented very clearly, with helpful maps to assist in visualizing the dispersion of the tracer over the hours following each release.

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The paper is well-written and very easy to understand. Recommend publication in its current form.

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