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## Supplement of

## A compact PTR-ToF-MS instrument for airborne measurements of volatile organic compounds at high spatiotemporal resolution

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Figure S1. Photograph of the airborne PTR-ToF-MS instrument

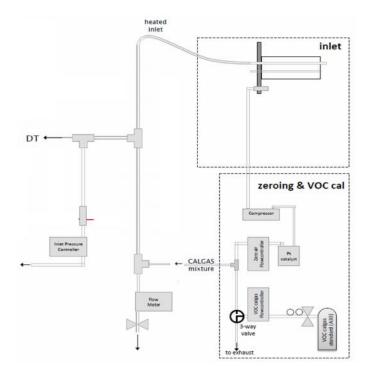


Figure S2. Scheme of the inlet, zeroing and calibration system

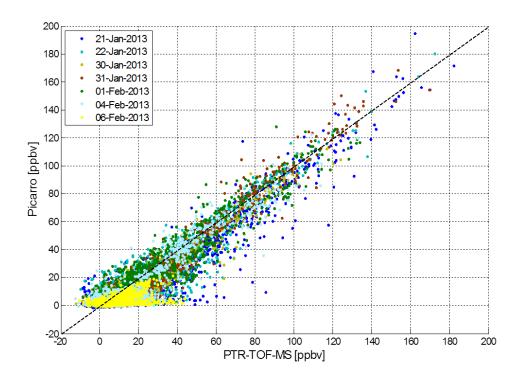


Figure S3. Scatter plot of ammonia data as measured by a Picarro G2103 sensor and by the PTR-ToF-MS instrument during seven flights over the San Joaquin Valley in winter 2013. The dotted line indicates the 1:1 relationship.