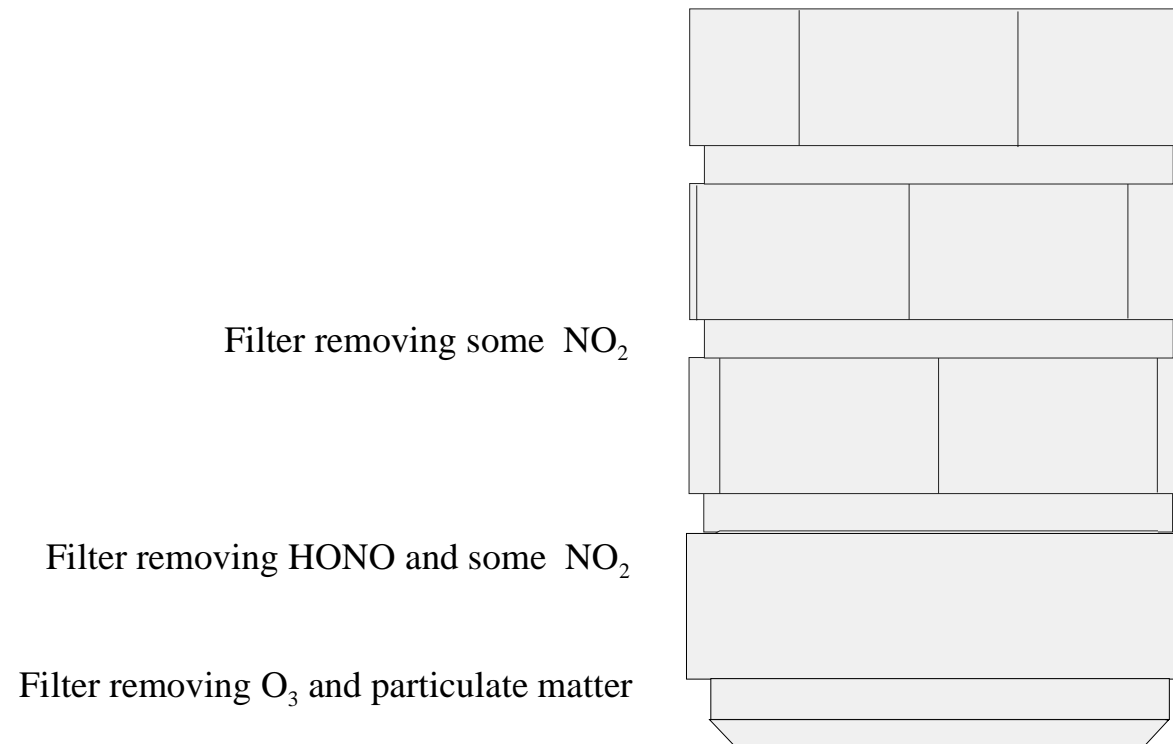


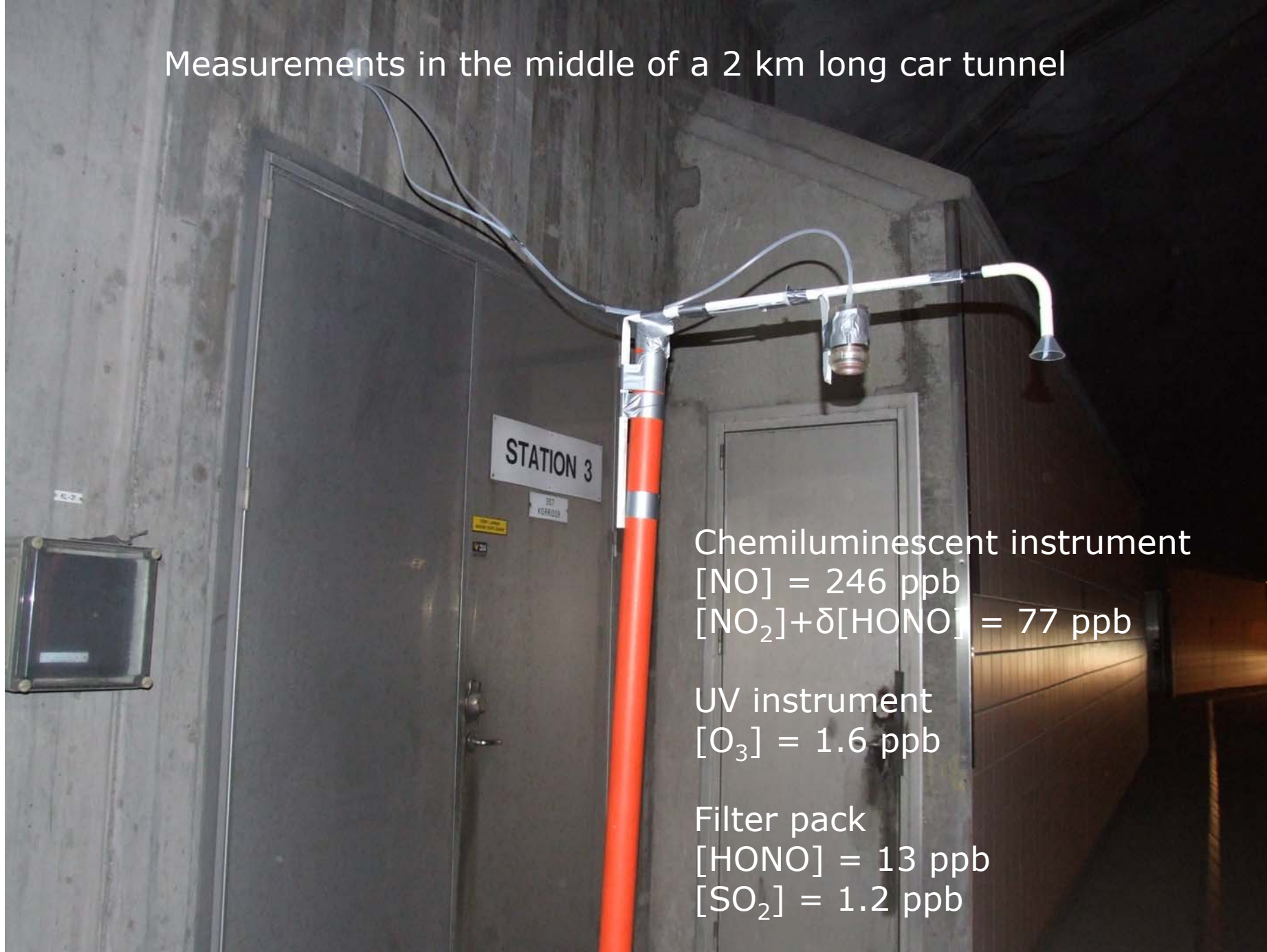
A simple technique for HONO measurements

Martin Ferm 2008-11-17

The Filter Pack used for HONO sampling



Measurements in the middle of a 2 km long car tunnel



Chemiluminescent instrument
[NO] = 246 ppb
[NO₂]+δ[HONO] = 77 ppb

UV instrument
[O₃] = 1.6 ppb

Filter pack
[HONO] = 13 ppb
[SO₂] = 1.2 ppb

Measuring range \approx 0.2 – 100 ppb (8 h sampling)

References

Ferm M. and Sjödin Å. (1985) A sodium carbonate coated denuder for determination of nitrous acid in the atmosphere. *Atmospheric Environment* **19**, 979-983

Sjödin Å. and Ferm M. (1985) Measurements of nitrous acid in an urban area. *Atmospheric Environment* **19**, 985-992

The paper is discussed in *Atmospheric Environment* **20**, 408-411

Due to lack of funding, we can only participate in the intercomparison if we can count on a helping hand from somebody.



We can send equipment + instructions