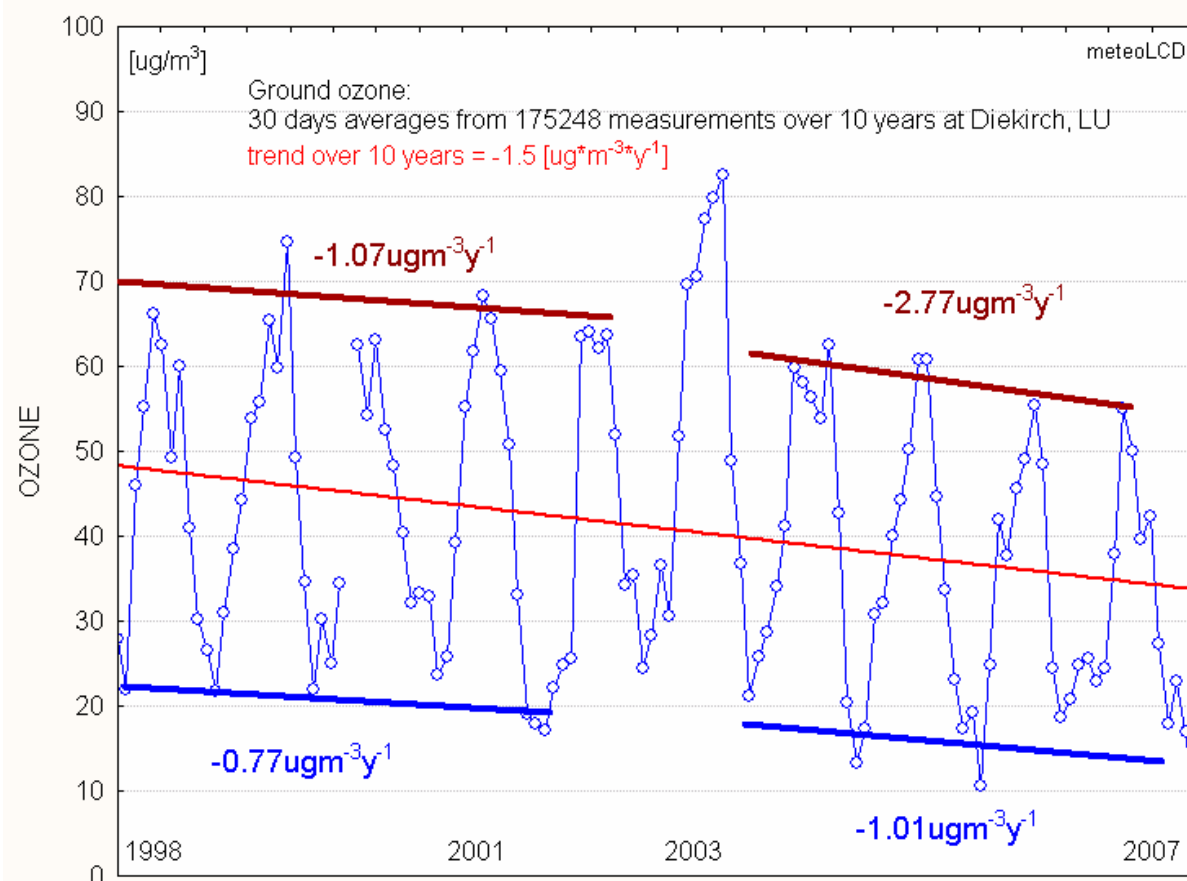


Ozone measurements are done every minute; the average of 30 minutes is kept in the data file.

Yearly average ozone levels are slightly decreasing up to 2002; the heat-wave year 2003 clearly shows up. After 2003 all trends become distinctly more negative. This is in accordance of observations made in Germany [Jonson, 2005], [EMEC], and baseline levels at Mace Head [EMEC].

10 years average [O3] in $\mu\text{g}\cdot\text{m}^{-3}$:

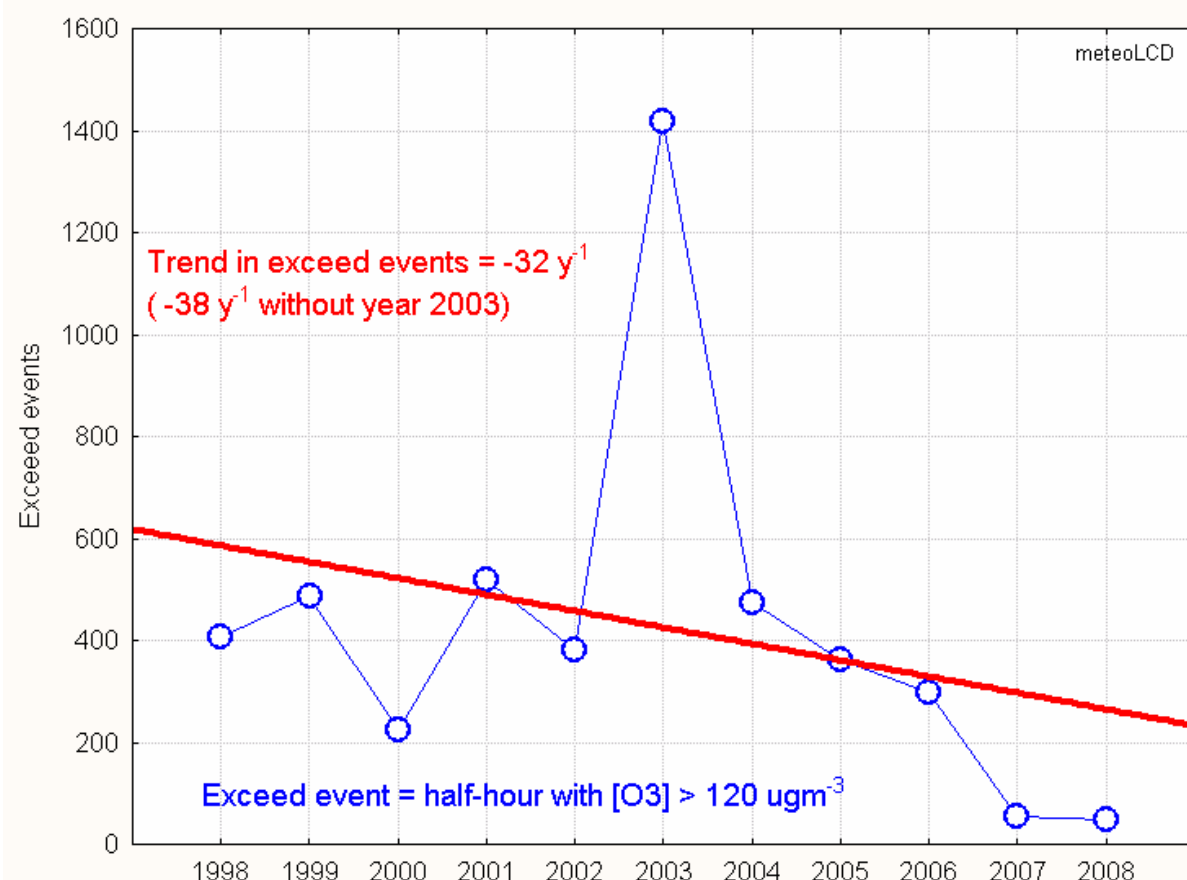
All	East wind	West wind
41.0	39.0	44.6



Monthly averages:

Despite increasing local air temperatures (from 9.9°C to 10.8°C) most peak and minimum levels are falling since 1998. These negative trends become stronger after 2003.

The trend computed from all monthly averages suggests a decadal trend of $-15 \mu\text{g}\cdot\text{m}^{-3}$ (about -7.5 ppb), same magnitude as the decadal trend computed from the yearly averages. 2007 ground ozone levels are the lowest in the decade, in accordance with [EEA, 5/2008]



There is a remarkable reduction in the number of "exceed-events": the number of half-hours where the ozone concentration is **higher than $120 \mu\text{g}\cdot\text{m}^{-3}$** is diminishing since 1998 by **320** events per decade.

With one exception (2005) the number of exceed-events is slightly higher for easterly than westerly winds:

All	East wind	West wind
4551	2513	2038

This is opposite to the average O3 concentrations!