

Review of the revised version of the manuscript

“Seasonal variation of atmospheric particle number concentrations, new particle formation and atmospheric oxidation capacity at the high Arctic site Villum Research Station, Station Nord”

by Nguyen et al., submitted to Atmospheric Chemistry and Physics (acp-2016-205)

The authors have responded adequately to the issues raised in my and the other referees comments. There still remains one additional point to clarify (I have discussed about this also with the editor of the manuscript, Dr. M. Boy): in Section 2.2.3 (page 7 of the revised manuscript) it is said that the detection limit of the NO_x monitor was 150 ppt. However, in Figure 6 almost all the NO and NO_x values shown are below 0.1 ppb. Also in the Results section in several places NO_x concentrations below 0.1 ppb are discussed, without any mention that these concentrations are below the detection level of the NO_x monitor. While I understand that this issue will not change the conclusions of the manuscript, could the authors still clarify in the manuscript how reliable is the NO_x data in the very low concentration conditions of the Station Nord?

After clarifying the NO_x data issue the manuscript can be accepted for publication in Atmospheric Chemistry and Physics.