

## ***Interactive comment on “Intercomparing different devices for the investigation of ice nucleating particles using Snomax<sup>®</sup> as test substance” by H. Wex et al.***

**R. Schnell (Referee)**

russell.c.schnell@noaa.gov

Received and published: 19 September 2014

Comments: This paper presents the most broad and thorough intercomparison of different immersion ice nuclei measurement instruments using a common ice nucleus source known to me. The results are world class and show that the different techniques all measure the warm range nucleation events initiated by the bacteria derived ice nucleus source. The agreement between the measurement methods are exceptional compared to some past studies. I unreservedly recommend the paper for publication for both the quality and care taken in the measurements and for the outstanding results and analyses.

C7280

I have no issues with the paper and the small suggestions I could address are minor and in no way detract from the central findings. As such, they are not worth the time and efforts of the authors or editors to address.

I do recommend that scientists conducting similar measurements read carefully and heed the points brought up in the discussion section.

The data presented in Figure 11. are memorable and speak both to the exceptional ice nucleating activity of the protein produced by *Pseudomonas syringae* and the quality of the measurements from the different institutions partaking in the study.

---

Interactive comment on Atmos. Chem. Phys. Discuss., 14, 22321, 2014.

C7281