

An airborne in-situ dataset of cloud microphysical properties in

supercooled large droplet icing condition, by Deniz Menekay and coauthors

This study presents a detailed in-situ airborne dataset collected during the SENS4ICE-EU campaign over France, focusing on supercooled large droplets (SLD) and icing environments, utilizing multiple cloud probes and sensors to analyze cloud microphysics and meteorological parameters.

I was initially a bit concerned that the article was a comprehensive discussion of the instruments, with little discussion of the data. The article provides a very useful discussion of the probes and potential errors and where the data are archived.

Are the particle images archived as well as the bulk parameters?

Line 101. The 2DS probe is now the standard for providing particle size distributions in the critical range of sizes of particles. Just wondering why a 2DS was not used.

135 large droplets>drops

173 “Nevzorov probe” make it “173 Nevzorov probe specifications”

273. How do you account for the ice mass in the third to second moment?

279 what mass dimensional relationship is used?