

Review of revised version of

**Impact of gravity waves on the motion and distribution of atmospheric ice particles**  
by Aurélien Podglajen et al.

**General comment:**

The manuscript has improved a lot, it is much clearer and thus is a meaningful contribution to ACP. My comments were addressed in an appropriate way. I have only a few minor or technical points, which should be addressed before the manuscript can be accepted.

**Minor points:**

1. Section 2.1: Maybe you can indicate that the scenario of a constant ice crystal radius is equivalent to thermodynamic equilibrium.
2. Page 10: You mention the “center manifold” but you did not explain, what it is. Please include a description/definition of the term.

**Technical comments**

The entry Hirsch et al. (2013) is not correct in the references.

**References**

Hirsch, M., S. Smale, R. Devaney, 2013: Differential Equations, Dynamical Systems, and an Introduction to Chaos. Academic Press (Elsevier), Amsterdam.