Answers to Review Comments

We would like to thank the reviewer for his answers to our review. We have changed the manuscript as detailed below.

Comment 4: we have changed the naming convention of the Euler angles to $\hat{\alpha}$, $\hat{\beta}$, $\hat{\gamma}$

Comment 6: we have made the suggested changes to the text (changed "we assumed that snowflakes fall by default by" to "the default orientation is defined as")

Comment 7: We have added the following two sentences to Section 3.3: Such a coarse azimuthal sampling is sufficient because the scattering properties are later averaged over azimuth (see Section~\ref{sec:AROavg}). Numerically, an azimuthal resolution as coarse as 45° yields identical azimuthally averaged scattering properties.

Comment 14: we have added a reference to Appendix B to Section 4.1.1: Appendix B shows the corresponding tables for the radar relevant Mueller and Amplitude matrix entries.

Minor comments:
- [l. 61] Close the parentheses as "(see Section 5.1)":
  Done
- [l. 218] The Stokes vector: "S" should be capitalized.
  Done
- [l. 491] There is a strange symbol before 0.1. Is it "between −0.1 and 1.2° km-1"?
  Yes it is -0.1, we fixed it.