

General comments

An explanation of the effect of particle shape (spherical/dendritic) on snow cornice formation has been added.

The discussion of the balance of forces has been simplified without introducing excessive parameters, resulting in increased reliability, and consistency with the experimental results has also been noted.

Other explanations of the experimental results have also been revised for clarity, and as a result the paper is now acceptable for publication with some corrections.

Specific comments

Equation (3): Although this notation is understandable, it would be clearer to write the expression within the square root as $(v_{px}(t))^2 + (v_{py}(t))^2$.

Line 248: $R\cos(\arcsin(x/R))$

A bracket is missing.

Lines 293-294: ...and snow accumulation on train bogies...

It is unclear which state of accumulation is considered. If the accumulation is not due to natural wind, but rather to the movement of the train, additional factors such as different speed ranges and mechanical heat generation would have to be considered.

Lines 327-330: The same paper by Eckerstorfer is listed as 2013a and 2013b.

Line 351: The author Seligman is listed twice.