

This paper presents an improvement of the MetSignal algorithm, an algorithm based on polarimetric C-band weather radar data to identify meteorological and nonmeteorological echoes.

A refinement of membership functions and the use of ad-hoc post-processing procedures increase the classification. Nevertheless some misclassification are still present and additional research is needed.

As general comments the paper is easy to read and figures are, normally, clear. Most of the weak points was addressed during the open discussion so only few minor comments are present now.

1) ZDR filter – Page 4 line 121.

In C band resonance effects which increase substantially ZDR are present so it is possible that the filter reject not only CA but also weather echoes.

Such ZDR values could be reached if wet hailstone is inside the radar volume and in the so-called ZDR column.

2) CC range averaging – Page 5 Lines 149-155

What's happen in boundary region between MET e NMET ?