

2.30 ANALYSIS OF HAIL EVENT IN FIELD OF REFLECTIVITY AND DIFFERENTIAL REFLECTIVITY

S.STEVANOVIĆ¹, S.BILJIĆ¹, M.VASIĆ¹, G.BOGUNOVIĆ¹

¹ Republic Hydrometeorological Service of Serbia, Kneza Visislava 66, 11030 Belgrade, Serbia

svetlana.stevanovic@hidmet.gov.rs

The aim of the analysis is to detect spatial characteristics and intensity in the field of reflectivity and differential reflectivity, their comparison with the occurrences of small hail and hail, as well as the potential of the storm to produce the hail. The reason for the resulting analysis is stormy weather on the territory of two radar centers in Central Serbia, which are close to the position of Dualpol Doppler radar Jastrebac. Hail and small hail, as well as damage from individual storms, were recorded. During the analysis products MAX, CAPPI Z, ZDR, CC (RohHV), KDP and ZHAIL, were used. Product analysis is dictated by the values of reflectivity, the probability of occurrence of hail and temperature conditions.