Clutter residue at mountainous terrain sites is a nuisance problem for users. With the acquisition of Level I data from a precipitation case at the Pueblo, CO (KPUX) WSR-88D radar, an investigation of increasing the amount of additional suppression using dB-for-dB censoring indicates that changing the upper threshold from 60 dB to 55 dB will decrease the amount of clutter residue and remove false precipitation accumulation caused by the clutter residue.

Results from Level I data playback using an upper threshold of (from top to bottom) 60 dB, 55 dB, 50 dB, and 45 dB respectively. From left to right, Reflectivity, Correlation Coefficient, and Water Equivalent Storm Total Snowfall algorithm output. (Water equivalent better highlights the precipitation accumulations.)