239 - Evaluation of Clutter Residue Censoring on the WSR-88D Radar System



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.



Topographic map from GR2Analyst showing the Wet Mountain Range that causes clutter residue for KPUX.





field by the additional dB-for-dB Censoring



clutter residue. On the right, precipitation over and near the residue in VCP 212.

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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.)

















