# Hail and Hail-Rain Mixtures

When hail is present, Reflectivity values are high. Correlation Coefficient is generally lower than with liquid precipitation alone, with extremely low values a possible indication of very large hail stones (i.e., larger than golf ball size hail). Dry, frozen hailstones usually have Differential Reflectivity and Specific Differential Phase values near zero. Smaller hail, when melting, is covered with water and has Differential Reflectivity and Specific Differential Phase values similar to heavy rain.

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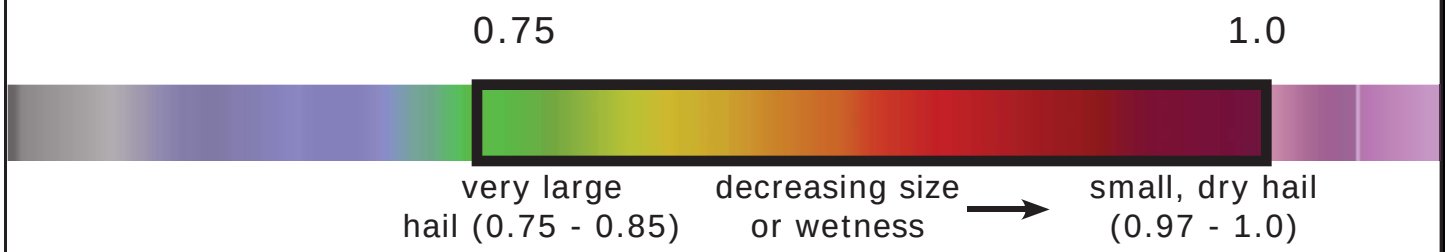
|---|---|
| Reflectivity (dBZ) | |
| Correlation Coefficient |   |
| Differential Reflectivity (dB) | * Differential Reflectivity values will be near 0-1 dB when hail is frozen, but may be significantly higher when smaller hail melts |
| Specific Differential Phase (deg/km) | * Specific Differential Phase values will be low when liquid content is low, but could be high when smaller hail melts and sheds liquid drops |