

Conditions/Classifications (Class Abbreviation)	Rate Method (mm/hr)
Non-Precipitation Classification	
Ground Clutter (GC) or Unknown (UK)	Not Computed
No Echo (ND) or Biological (BI)	0
Hail and Ice Classification	
Rain/Hail (HA) and blockage $\geq 5\%$	R(Kdp)
Rain/Hail (HA) and echo is at or below the top of the melting layer (ML) and blockage $< 5\%$	R(Kdp)
Rain/Hail (HA) and echo is above the top of the ML and blockage $< 5\%$	$0.8 * R(Z)$
Graupel (GR)	$0.8 * R(Z)$
Wet Snow (WS)	$0.6 * R(Z)$
Dry Snow (DS) and echo is at or below the top of the ML	$1.0 * R(Z)$
Dry Snow (DS) and echo is above the top of the ML	$2.8 * R(Z)$
Ice Crystals (IC)	$2.8 * R(Z)$

Conditions/Classifications (Class Abbreviation)	Rate Method (mm/hr)
Rain Classification With R(A) Enabled (Default)	
Light/Moderate Rain (RA), Big Drops (BD), or Heavy Rain (HR) and $Z \leq 50$ dBZ and blockage $\leq 95\%$ and echo is <u>below</u> the bottom of the ML	R(A)
Light/Moderate Rain (RA) or Big Drops (BD) and echo is <u>below</u> the bottom of the ML and R(A) cannot be computed	R(Z,Zdr)
Heavy Rain (HR) and $Z > 50$ dBZ and echo is <u>below</u> the bottom of the ML	R(Kdp)
Light/Moderate Rain (RA) or Big Drops (BD) and echo is <u>at or above</u> the bottom of the ML	R(Z,Zdr)
Heavy Rain (HR) and blockage $< 20\%$ and $Z \leq 45$ dBZ and echo is <u>at or above</u> the bottom of the ML	R(Z,Zdr)
Heavy Rain (HR) and blockage $> 20\%$ or $Z > 45$ dBZ and echo is <u>at or above</u> the bottom of the ML	R(Kdp)
Rain Classification With R(A) Disabled	
Light/Moderate Rain (RA) or Big Drops (BD)	R(Z,Zdr)
Heavy Rain (HR) and blockage $< 20\%$ and $Z \leq 45$ dBZ	R(Z,Zdr)
Heavy Rain (HR) and blockage $> 20\%$ or $Z > 45$ dBZ	R(Kdp)