

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

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