

Abbrev.	Full name	Units
MLCAPE	Mean-layer CAPE	$\text{J kg}^{-1}$
MLCIN	Mean-layer CIN	$\text{J kg}^{-1}$
MLLCL	Mean-layer LCL	m
MLLFC	Mean-layer LFC	m
MLEL	Mean-layer EL	m
NCAPE	Normalized MLCAPE	$\text{ms}^{-2}$
K_IND	$K$ index	$^{\circ}\text{C}$
TT	Total totals	$^{\circ}\text{C}$
CT	Cross totals	$^{\circ}\text{C}$
VT	Vertical totals	$^{\circ}\text{C}$
PW	Precipitable water	mm
HGT0	Height of $0^{\circ}\text{C}$ temperature isotherm	hPa
ApWBZ	Approximate height of $0^{\circ}\text{C}$ wet bulb temperature	m
W_LOW	Mean low-level mixing ratio	$\text{g kg}^{-1}$
W_MID	Mean mid-level mixing ratio	$\text{g kg}^{-1}$
RH_LOW	Mean low-level relative humidity	–
RH_MID	Mean mid-level relative humidity	–
ThE_LOW	Mean low-level $\theta_e$	K
ThE_MID	Mean mid-level $\theta_e$	K
ML_BRN	Mean-layer bulk Richardson number	–
$T_c$	Convective temperature	$^{\circ}\text{C}$
PEFF	Precipitation efficiency	–
DCAPE	Downdraft CAPE	$\text{J kg}^{-1}$
WNDG	Wind damage parameter	–
TEI	$\theta_e$ index	$^{\circ}\text{C}$
MICROB	Microburst composite index	–
SWEAT	Severe weather and threat index	–
0–3 km_SHR	0–3 km vertical wind shear	$\text{ms}^{-1}$
0–6 km_SHR	0–6 km vertical wind shear	$\text{ms}^{-1}$
0–8 km_SHR	0–8 km vertical wind shear	$\text{ms}^{-1}$
EBWD	Effective layer vertical wind shear	$\text{ms}^{-1}$