

Parameter	Metric	Criteria	Goal
Temperature ( $T$ )	MB	$\leq \pm 0.5 \text{ K}$	-
	MGE	$\leq 2 \text{ K}$	
	IOA	$\geq 0.8$	
Wind speed (WS)	MB	$\leq \pm 0.5 \text{ m s}^{-1}$	-
	RMSE	$\leq 2 \text{ m s}^{-1}$	
	IOA	$\geq 0.6$	
Wind direction (WD)	MB	$\leq \pm 10^\circ$	-
	MGE	$\leq 30^\circ$	
Humidity (expressed as water vapor mixing ratio, $q_v$ )	MB	$\leq \pm 1 \text{ g kg}^{-1}$	-
	MGE	$\leq 2 \text{ g kg}^{-1}$	
	IOA	$\geq 0.6$	
PM <sub>2.5</sub>	MFB	$\leq \pm 60 \%$	$\leq \pm 30 \%$
	MFE	$\leq 75 \%$	$\leq 50 \%$
O <sub>3</sub>	MFB	$\leq \pm 30 \%$	$\leq \pm 15 \%$
	MFE	$\leq 45 \%$	$\leq 30 \%$