

Table 1 Performance statistics of near surface meteorological parameters.

	IOA	R	STD _O	STD _F	RMSE	MB	ME
T ₂ ^a	0.85	0.81	4.0 K	4.9 K	3.4 K	1.9 K	2.7 K
Q ₂ ^a	0.75	0.56	2.5 g kg ⁻¹	2.7 g kg ⁻¹	2.4 g kg ⁻¹	0.1 g kg ⁻¹	1.9 g kg ⁻¹
WS ₁₀ ^a	0.61	0.37	1.1 m s ⁻¹	1.3 m s ⁻¹	1.4 m s ⁻¹	0.5 m s ⁻¹	1.1 m s ⁻¹
T ₂ ^b	0.89	0.87	5.7 K	6.0 K	3.8 K	-2.4 K	3.1 K
Q ₂ ^b	0.61	0.82	0.5 g kg ⁻¹	0.6 g kg ⁻¹	0.9 g kg ⁻¹	0.8 g kg ⁻¹	0.8 g kg ⁻¹
WS ₁₀ ^b	0.73	0.57	1.7 m s ⁻¹	1.8 m s ⁻¹	1.7 m s ⁻¹	0.6 m s ⁻¹	1.3 m s ⁻¹

Superscript a and b represent July and December.

Table 2 Performance statistics of hourly NO₂ and PM_{2.5} concentrations in July.

	IOA	R	STD _O	STD _F	RMSE	MB	ME
NO ₂ ^a	0.56	0.28	25.2	22.4	31.4	-12.9	23.4
PM _{2.5} ^a	0.70	0.63	40.7	32.9	43.4	-28.6	32.7
NO ₂ ^b	0.54	0.24	25.2	26.1	31.9	-3.1	23.9
PM _{2.5} ^b	0.73	0.63	40.7	34.5	41.1	-24.5	30.4

Superscript a and b represent SIM1 and SIM2.

Table 3 Performance statistics of hourly NO₂ and PM_{2.5} concentrations in December.

	IOA	R	STD _O	STD _F	RMSE	MB	ME
NO ₂ ^a	0.62	0.38	49.3	40.1	51.2	-5.8	37.1
PM _{2.5} ^a	0.68	0.56	100.1	95.1	87.8	-28.7	55.3
NO ₂ ^b	0.62	0.38	49.3	40.9	51.0	-7.8	37.1
PM _{2.5} ^b	0.68	0.56	100.1	95.8	87.5	-28.6	54.1

Superscript a and b represent SIM1 and SIM2.