

	HadISD (2 m)		MAQS (7 m)		Whitworth (53 m)		
Air temperature (°C)	MAE	1.13	1.23	1.14	1.17	1.06	1.03
	MBE	-0.23	-0.56	0.12	-0.22	0.18	0.23
	RMSE	1.51	1.58	1.52	1.50	1.46	1.34
	NSTD	1.03	1.06	1.07	1.07	1.09	1.05
	R	0.97	0.97	0.97	0.97	0.97	0.98
	5th	0.35	0.51	0.78	0.21	1.01	0.75
	95th	0.90	1.86	0.37	1.26	0.51	0.46
	SKEW	0.17	1.42	0.98	0.35	1.09	0.02
KURTOSIS		0.40	0.61	0.26	0.74	0.19	0.41
	PSS	0.53	0.53	0.07	0.08	0.06	0.06
Relative humidity (%)	MAE	8.87	9.11	8.98	9.11	7.49	7.51
	MBE	5.57	6.31	7.05	7.01	1.54	0.07
	RMSE	11.82	12.06	11.36	11.44	9.71	9.63
	NSTD	1.03	1.05	1.12	1.11	1.01	0.95
	R	0.81	0.82	0.86	0.86	0.80	0.79
	5th	3.21	5.88	7.13	8.59	0.13	1.03
	95th	1.57	5.45	0.61	3.67	0.94	5.20
	SKEW	0.42	0.16	0.56	0.31	0.26	0.69
KURTOSIS		20.49	17.35	2.68	2.41	0.08	0.07
	PSS	0.59	0.63	0.21	0.17	0.11	0.12
Wind speed (m/s)	MAE	1.87	1.37	2.86	1.70	1.72	1.23
	MBE	-1.60	-0.62	-2.83	-1.60	-1.47	-0.48
	RMSE	2.32	1.80	3.42	2.23	2.19	1.61
	NSTD	1.17	1.11	2.79	2.30	1.45	1.30
	R	0.73	0.71	0.71	0.68	0.83	0.80
	5th	0.47	0.25	0.31	0.22	0.08	0.20
	95th	1.80	0.78	5.53	3.86	3.14	1.99
	SKEW	0.67	0.59	0.55	0.32	0.42	0.20
KURTOSIS		0.96	1.10	0.92	0.92	0.89	0.85
	PSS	0.68	0.68	0.63	0.38	0.27	0.15
	GM_SLUCM	GM_CLMU	GM_SLUCM	GM_CLMU	GM_SLUCM	GM_CLMU	

The map shows the Whitworth area with three locations marked: Whitworth, MAQS, and HadISD. Whitworth is the central town, MAQS is a small settlement to the west, and HadISD is a coastal town to the south.

MAE: Mean absolute error

MBE: Mean absolute error

RMSE: Root mean square error

NSTD: Normalized standard deviation

R: Correlation coefficient

5th percentile absolute bias error

95th percentile absolute bias error

SKEW: Skewness

KURTOSIS: Kurtosis

PSS: Probability of smallest spread

Better performance