

Table 1: Statistical metrics of TBs capacity to measure reference flow under different time intervals.

TB	Statistical metric	1 min.	2 min.	5 min.	10 min.	20 min.	30 min.
1	PBIAS (%)	3.644	3.644	2.826	2.768	2.768	3.313
	KGE	0.961	0.962	0.971	0.971	0.967	0.966
	Standard deviation (%)	14.238	5.733	4.475	2.157	2.157	3.927
	Mean error (%)	0.913	2.104	2.208	2.746	2.746	4.433
	Maximum error (%)	20.645	7.980	10.064	7.419	7.419	14.358
	Minimum error (%)	-35.224	-12.687	-8.179	0.779	0.779	1.290
2	PBIAS (%)	5.415	6.034	6.010	5.762	5.750	5.746
	KGE	0.945	0.939	0.939	0.942	0.942	0.942
	Standard deviation (%)	10.402	10.616	4.844	3.782	2.856	2.288
	Mean error (%)	7.886	7.958	6.516	6.108	5.861	5.733
	Maximum error (%)	36.777	36.777	17.810	14.649	11.488	9.380
	Minimum error (%)	1.635	-1.298	-0.488	0.323	0.728	1.403
3	PBIAS (%)	8.580	8.580	8.633	8.831	9.187	9.332
	KGE	0.913	0.913	0.912	0.910	0.907	0.905
	Standard deviation (%)	5.242	5.361	5.039	4.979	5.028	5.028
	Mean error (%)	6.330	6.272	6.455	6.691	7.066	7.226
	Maximum error (%)	12.245	12.269	12.573	12.674	12.725	12.708
	Minimum error (%)	-4.058	-4.058	-2.044	-2.044	-2.044	-1.932
4	PBIAS (%)	13.163	13.592	13.335	13.563	13.549	13.573
	KGE	0.867	0.863	0.865	0.863	0.863	0.863
	Standard deviation (%)	8.182	6.213	6.619	5.829	6.039	5.967
	Mean error (%)	9.931	11.050	10.460	11.203	11.017	11.127
	Maximum error (%)	18.091	17.013	17.229	17.229	16.730	16.730
	Minimum error (%)	-4.361	0.857	0.257	0.857	0.857	0.857