

Correction

# Correction: Koutsouris *et al.* Utilization of Global Precipitation Datasets in Data Limited Regions: A Case Study of Kilombero Valley, Tanzania. *Atmosphere*, 2017, 8, 246

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The authors would like to correct the published article [1], following the detection of editorial mistakes by the main author, as explained below. Table 3 has been replaced with a new Table to show the streamflow simulation results for Mpanga Catchment. A missing table has been inserted as Table 5, showing the streamflow simulation results for Kiburubutu Catchment. The table previously labeled and referenced as Table 5 should now be considered as Table 6. All sentences that were referenced to Table 5 refer to the new Table 5, except for the sentence “Simulations based on QM bias corrected GPD products performances were in general worse compared to their non-bias corrected counterparts (Table 5)”, which refers to Table 6. Table 3, Table 5, and Table 6 should read:

**Table 3.** Performance scores for MC discharge simulations. Performance is shown as  $R_{eff,log}$ ,  $R^2$ ,  $V_e$ , and  $RMSE$  values for each bias correction technique considered.

Mpanga Catchment												
GDP			$R_{eff,log}$	$R^2$	$V_e$	$RMSE$			$R_{eff,log}$	$R^2$	$V_e$	$RMSE$
CFSR			0.33	0.23	0.96	0.28			0.43	0.40	1.00	0.26
ERAi			0.53	0.48	0.96	0.23			0.53	0.50	0.96	0.23
MERRA			0.38	0.44	0.94	0.29			0.61	0.58	0.99	0.22
CMORPH			0.41	0.32	0.95	0.27			0.41	0.33	0.95	0.27
TRMMv7	Non-	bias corrected	0.45	0.36	1.00	0.27	ModB	bias corrected	0.51	0.42	0.99	0.24
Ensemble			0.55	0.49	0.97	0.23			0.56	0.53	0.99	0.23
Rain gauge			0.12	0.14	0.94	0.36			0.47	0.34	0.97	0.25
CRU *			0.27	0.17	0.98	0.30			0.30	0.20	0.96	0.29
GPCC *			0.29	0.23	0.99	0.30			0.32	0.24	0.97	0.29
UDEL *			0.35	0.25	0.99	0.28			0.45	0.37	0.99	0.25
CFSR			0.22	0.18	0.96	0.33			0.53	0.40	0.98	0.23
ERAi			0.18	0.16	0.91	0.35			0.54	0.41	0.98	0.23
MERRA	QM	bias corrected	0.05	0.08	1.00	0.33	QM + ModB	bias corrected	0.52	0.45	0.98	0.23
CMORPH			0.35	0.22	1.00	0.28			0.51	0.40	0.98	0.23
TRMMv7			0.19	0.15	0.91	0.35			0.51	0.42	0.98	0.24
Ensemble			0.19	0.16	0.91	0.35			0.50	0.36	0.98	0.24
GPCC *					0.34	0.19			0.99	0.29		
CRU *	DP	bias corrected	0.36	0.24	0.97	0.28	DP + ModB	bias corrected	0.38	0.27	0.95	0.28
UDEL *			0.46	0.32	0.96	0.27			0.52	0.44	1.00	0.24

\* Monthly products.

**Table 5.** Performance scores for KC discharge simulations. Performance is shown as  $R_{eff,log}$ ,  $R^2$ , Volume Error (Vol. Err.), and RMSE values for each bias correction technique considered.

Kiburubutu Catchment												
GDP			$R_{eff,log}$	$R^2$	Vol. Err.	RMSE			$R_{eff,log}$	$R^2$	Vol. Err.	RMSE
CFSR			0.38	0.01	0.78	0.26			0.41	0.01	0.74	0.25
ERAi			0.63	0.26	0.78	0.18			0.66	0.24	0.73	0.18
MERRA			0.47	0.25	0.86	0.20			0.68	0.24	0.72	0.18
CMORPH			0.56	0.08	0.79	0.23			0.62	0.10	0.68	0.20
TRMMv7	Non-	bias corrected	0.55	0.07	0.87	0.23	ModB	bias corrected	0.59	0.11	0.70	0.20
Ensemble			0.63	0.19	0.80	0.19			0.67	0.22	0.73	0.19
Rain gauge			0.52	0.25	0.96	0.23			0.59	0.21	0.78	0.20
CRU *			0.42	0.09	0.97	0.29			0.57	0.12	0.70	0.21
GPCC *			0.38	0.14	0.79	0.24			0.59	0.14	0.69	0.21
UDEL *			0.47	0.12	0.86	0.23			0.64	0.16	0.71	0.19
CFSR			0.41	0.07	0.92	0.27			0.53	0.12	0.71	0.20
ERAi			0.49	0.14	0.91	0.27			0.59	0.20	0.79	0.20
MERRA	QM	bias corrected	0.40	0.07	0.96	0.29	QM + ModB	bias corrected	0.53	0.12	0.75	0.21
CMORPH			0.44	0.05	0.92	0.27			0.51	0.08	0.74	0.22
TRMMv7			0.45	0.04	0.98	0.29			0.52	0.04	0.77	0.23
Ensemble			0.48	0.07	0.91	0.29			0.56	0.06	0.83	0.23
GPCC *			0.51	0.20	0.96	0.24			0.59	0.12	0.82	0.22
CRU *	DP	bias corrected	0.51	0.13	0.99	0.26	DP + ModB	bias corrected	0.57	0.18	0.83	0.21
UDEL *			0.56	0.24	0.99	0.23			0.63	0.23	0.82	0.19

\* Monthly products.

**Table 6.** Performance scores for KC discharge simulations. Performance is shown as  $R_{eff,log}$  values for each bias correction technique considered.

Daily GDPs	Bias corrected performance - KC ( $R_{eff,log}$ )						Change in bias corrected performance - KC ( $\Delta R_{eff,log}$ )				
	Non-bias corrected	QM	DP	ModB	QM+ ModB	DP+ ModB	QM	DP	ModB	QM+ ModB	DP+ ModB
CFSR	◆ 0.38	◆ 0.41	-	◆ 0.41	△ 0.53	-	↑ 0.03	-	↑ 0.03	↑ 0.15	-
ERA-i	△ 0.63	◆ 0.49	-	△ 0.66	△ 0.59	-	↓ -0.15	-	↑ 0.02	↓ -0.04	-
MERRA	◆ 0.47	◆ 0.40	-	△ 0.68	△ 0.53	-	↓ -0.07	-	↑ 0.20	↑ 0.06	-
CMORPH	△ 0.56	◆ 0.44	-	△ 0.62	△ 0.51	-	↓ -0.12	-	↑ 0.05	↓ -0.06	-
TRMMv7	△ 0.55	◆ 0.45	-	△ 0.59	△ 0.52	-	↓ -0.10	-	↑ 0.04	↓ -0.03	-
Ensemble	△ 0.63	◆ 0.48	-	△ 0.67	△ 0.56	-	↓ -0.15	-	↑ 0.04	↓ -0.07	-
Rain gauge	△ 0.52	-	-	△ 0.59	-	-	-	-	↑ 0.07	-	-
CRU	◆ 0.42	-	△ 0.51	△ 0.57	-	△ 0.57	-	↑ 0.09	↑ 0.15	-	↑ 0.15
GPCC	◆ 0.38	-	△ 0.51	△ 0.59	-	△ 0.59	-	↑ 0.13	↑ 0.21	-	↑ 0.21
UDEL	◆ 0.47	-	△ 0.56	△ 0.64	-	△ 0.63	-	↑ 0.09	↑ 0.16	-	↑ 0.16

○ Good  $\geq 0.70$    △ Fair  $< 0.7$  and  $\geq 0.50$    ◆ Poor  $< 0.50$    ↑ Increase  $> 0$    ↓ Decrease  $> 0$    ■ No Change = 0

The authors apologize for any inconvenience this has caused to the readers. The changes do not affect the scientific results of this paper. The manuscript will be updated, and the original version will remain online on the article webpage, with a reference to this Correction.

**Reference**

1. Koutsouris, A.J.; Seibert, J.; Lyon, S.W. Utilization of Global Precipitation Datasets in Data Limited Regions: A Case Study of Kilombero Valley, Tanzania. *Atmosphere*. **2017**, *8*, 246. [CrossRef]



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