

Stratified period	CO <sub>2</sub> flux ( $\mu\text{mol m}^{-2} \text{s}^{-1}$ )			
	All	Day	Night	<i>U</i> test
BLM $k_{\text{HE}}$	$0.31^{+0.17}_{-0.08}$	0.305 ( $\pm 0.009$ )	0.410 ( $\pm 0.008$ )	$h = 1, p = 0.0008$
BLM $k_{\text{TE}}$	$0.44^{+0.13}_{-0.11}$	0.545 ( $\pm 0.014$ )	0.396 ( $\pm 0.010$ )	$h = 1, p = 0.01$
BLM $k_{\text{CC}}$	$0.19^{+0.05}_{-0.04}$	0.201 ( $\pm 0.004$ )	0.180 ( $\pm 0.004$ )	$h = 0$
EC	$0.35^{+0.48}_{-0.69}$	0.31 ( $\pm 0.04$ )	0.28 ( $\pm 0.08$ )	$h = 0$
FC	$0.50^{+0.20}_{-0.27}$	0.62 ( $\pm 0.08$ )	0.29 ( $\pm 0.04$ )	$h = 1, p = 0.01$
Mixing period	CO <sub>2</sub> flux ( $\mu\text{mol m}^{-2} \text{s}^{-1}$ )			
	All	Day	Night	<i>U</i> test
BLM $k_{\text{HE}}$	$1.80^{+0.86}_{-0.65}$	2.15 ( $\pm 0.06$ )	1.43 ( $\pm 0.05$ )	$h = 1, p = 0.0002$
BLM $k_{\text{TE}}$	$2.15^{+0.61}_{-0.91}$	2.37 ( $\pm 0.06$ )	1.54 ( $\pm 0.05$ )	$h = 1, p = 5 \times 10^{-5}$
BLM $k_{\text{CC}}$	$0.73^{+0.65}_{-0.21}$	1.11 ( $\pm 0.04$ )	0.58 ( $\pm 0.02$ )	$h = 1, p = 7 \times 10^{-6}$
EC	$1.09^{+0.74}_{-0.95}$	1.3 ( $\pm 0.2$ )	0.88 ( $\pm 0.14$ )	$h = 0$