

Case	GPP (Pg C year ⁻¹)	NBP (Pg C year ⁻¹)	Missing variability	Δ GPP (Pg C year ⁻¹)	Δ NBP (Pg C year ⁻¹)
3hCO2	127.545	0.527	–	–	–
dCO2	128.038	0.626	No diurnal variability (dCO2–3hCO2)	0.492	0.099
mCO2	128.040	0.627	No day-to-day variability (mCO2–dCO2)	0.003	0.001
maCO2	128.059	0.632	No seasonal variability (maCO2–mCO2)	0.019	0.005
magCO2	128.007	0.620	No spatial variability (magCO2–maCO2)	–0.052	–0.012
magtCO2	128.004	0.618	No interannual variability (anomalies) (magtCO2–magCO2)	–0.003	–0.002
cCO2	128.082	0.616	No interannual variability (trend) (cCO2– magtCO2)	0.078	–0.002