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Corrigendum to

"Carbonyl sulfide exchange in a temperate loblolly pine forest grown under ambient and elevated CO_2" published in Atmos. Chem. Phys., 10, 547–561, 2010

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Deposition velocities discussed in Sect. 3.3 and given in Table 1 and Table 2 should have been reported in mm s^{-1} as shown below. Similarly, the range of COS V_d values obtained in other laboratory and field studies of deciduous and coniferous tree species given on p. 554 of Sect. 3.3.1 should have been reported as 0 to 1.8 mm s^{-1} (Kesselmeier et al., 1993; Kuhn et al., 1999; Xu et al., 2002; Sandoval-Soto et al., 2005; Geng and Mu, 2006).

Table 1. Mean COS and CO_2 deposition velocities, V_d, ±standard error ($n \geq 10$), for Ring 1 and Ring 2 vegetation. V_d were calculated from measured flux rates normalized to leaf area (LA) of the branch enclosed divided by PC COS and CO_2 mixing ratios at the time of flux. Superscripts a, b, c, d, and e indicate significantly different means within each column ($p < 0.05$, independent means t-test, SPSS v. 15.0.1.1).

		Measurement	V_d per LA (mm s^{-1})	
Location	Sink	Time	COS	CO_2
R1	Loblolly Pine	Day	0.20 ±0.01[a]	0.09 ±0.02[a,b]
		night	0.20 ±0.01[a]	
	Sweetgum	day	0.11 ±0.01[b]	0.06 ±0.01[a]
		night	0.05 ±0.01[c]	
R2	Loblolly Pine	day	0.13 ±0.03[a,b,c,d]	0.09 ±0.02[a,b]
		night	0.14 ±0.01[d]	
	Sweetgum	day	0.15 ±0.1[d]	0.09 ±0.02[b]
		night	0.02 ±0.01[e]	

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Table 2. Means ±standard error ($n \geq 7$)for the soil static chamber measurements made in June and September 2005. Mean fluxes and deposition velocities, V_d, are normalized to ground area (GA). Superscripts a, b, c, and d indicate significantly different means within each column ($p < 0.05$, independent means t-test, SPSS v. 15.0.1.1).

Month	Ring	Net COS flux (pmol m^{-2} s^{-1})	Ambient COS (pptv)	COS V_d per GA (mm s^{-1})	Air Temp (°C)	Surface Temp (°C)	5 cm Depth Temp (°C)	10 cm Depth Temp (°C)	Volumetric Soil Moisture (m^3 m^{-3})
Jun	1	-1.4 ± 0.3^{a}	520 ± 30^{a}	0.06 ± 0.01^{a}	24.3 ± 0.6^{a}	22.8 ± 0.4^{a}	20.1 ± 0.2^{a}	$19.7 + 0.2^{a}$	0.296 ± 0.007^{a}
	2	-1.3 ± 0.3^{a}	500 ± 30^{a}	0.06 ± 0.02^{a}	24.6 ± 0.6^{a}	22.5 ± 0.5^{a}	20.5 ± 0.2^{a}	$19.8 + 0.2^{a}$	0.384 ± 0.009^{b}
Sep	1	-1.4 ± 0.3^{a}	340 ± 10^{b}	$0.10 \pm 0.02^{a,b}$	27.7 ± 0.7^{b}	26.5 ± 0.8^{b}	22.7 ± 0.2^{b}	$22.3 + 0.1^{b}$	0.205 ± 0.001^{c}
	2	-2.0 ± 0.3^{a}	352 ± 6^{b}	0.14 ± 0.02^{b}	27.3 ± 0.8^{b}	27.2 ± 0.8^{b}	22.6 ± 0.1^{b}	$22.3 + 0.2^{b}$	0.233 ± 0.001^{d}

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