Erratum

Sediment denitrification in the Gulf of Mexico zone of hypoxia

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Unfortunately, the wrong gas constant (R) was used, resulting in reported denitrification potentials that were too low by a factor of approximately 3.75. The thermodynamic gas constant of 8.314 J K^{-1} mol^{-1} was employed instead of the appropriate 0.082 l atm K^{-1} mol^{-1}. As a consequence, the head space concentration of N_2O was significantly underestimated. The calculation of N_2O in the aqueous phase was unaffected by this error in calculation.

The denitrification potentials for the stations were reported in Table 1. A corrected version of the table is shown here.

Table 1. Station location, bottom water concentrations for dissolved oxygen (DO), salinity, nitrate, nitrite and ammonium, and surface sediment denitrification potential (µmol N m^{-2} h^{-1}) ± SD, from 7 stations on the Louisiana Continental Shelf in July 1999

Stn	Location	DO (mg l^{-1})	Salinity (PSU)	NO_3^- (µM)	NO_2^- (µM)	NH_4^+ (µM)	Denitrification (±SD) (µmol N m^{-2} h^{-1})
A′1	29.1° N, 89.3° W	0.3	32.3	2.9	0.7	37.4	218.84 (±38.17)
A8	28.8° N, 89.75° W	2.8	36.2	9.3	1.8	1.4	406.37 (±55.30)
C6b	28.85° N, 90.3° W	0.4	35.2	10.9	6.2	4.1	179.99 (±27.57)
C10b	28.75° N, 90.2° W	5.2	36.1	26.8	1.2	1.8	149.31 (±58.19)
E3	28.75° N, 91.25° W	1.6	35.2	10.7	0.7	0.1	388.20 (±58.07)
G3	28.6° N, 92.0° W	0.9	34.7	13.1	2.4	1.9	260.53 (±50.30)
I3	29.0° N, 92.75° W	0.3	34.3	1.9	0.6	14.0	237.27 (±38.36)