

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 $8.314 \text{ J K}^{-1} \text{ mol}^{-1}$ was employed instead of the appropriate $0.082 \text{ l atm K}^{-1} \text{ mol}^{-1}$. As a consequence, the head space concentra-

tion 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 ($\mu\text{mol N m}^{-2} \text{ h}^{-1}$) \pm 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 (\pm SD) ($\mu\text{mol N m}^{-2} \text{ h}^{-1}$)
A'1	29.1° N, 89.3° W	0.3	32.3	2.9	0.7	37.4	218.84 (\pm 38.17)
A8	28.8° N, 89.75° W	2.8	36.2	9.3	1.8	1.4	406.37 (\pm 55.30)
C6b	28.85° N, 90.3° W	0.4	35.2	10.9	6.2	4.1	179.99 (\pm 27.57)
C10b	28.75° N, 90.2° W	5.2	36.1	26.8	1.2	1.8	149.31 (\pm 58.19)
E3	28.75° N, 91.25° W	1.6	35.2	10.7	0.7	0.1	388.20 (\pm 58.07)
G3	28.6° N, 92.0° W	0.9	34.7	13.1	2.4	1.9	260.53 (\pm 50.30)
I3	29.0° N, 92.75° W	0.3	34.3	1.9	0.6	14.0	237.27 (\pm 38.36)