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Corrigendum to

"Depth-resolved particle-associated microbial respiration in the northeast Atlantic" published in Biogeosciences, 13, 4927–4943, 2016

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In the paper "Depth-resolved particle-associated microbial respiration in the northeast Atlantic" by Belcher et al. (Biogeosciences, 13, 4927–4943, 2016), there was a typographical error in the phytodetrital aggregate equivalent spherical diameters (PA ESD) given and in their sinking rates in Table 1. Please see the corrected Table 1 below (changes in bold). Additionally, the units for respiration rates (C_{resp}) in Table 2 should be μ g C mm⁻³ d⁻¹, and a corresponding correction is made to Fig. 6.

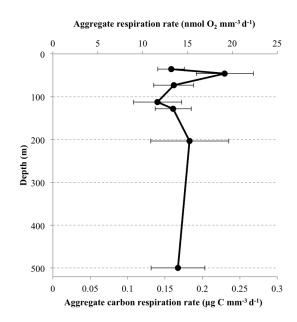


Figure 6. Respiration rates of phytodetrital aggregates with depth. Oxygen fluxes to aggregates (nmol O_2 mm⁻³ d⁻¹). For reference, aggregate respiration rates are also shown in terms of carbon per aggregate volume (μ g C mm⁻³ d⁻¹). Data are for experiments carried out at 10 °C. Error bars represent ± 1 standard error of the mean.

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Table 1. Deployment table for cruise DY032 to the PAP site.

Depth (m)	Date	Time (GMT)	POC Flux $(mg C m^{-2} d^{-1})$	No. PA (in 95 L sample)**	No. FP (in 95 L sample)**	Average PA ESD* (mm)	Median PA sinking rate $(m d^{-1})$
36	24/06/2015	02:10	281.4	785	23	0.60	33.2
128	24/06/2015	02:35	76.2	259	61	0.44	30.6
73	26/06/2015	14:45	122.8	252	15	0.65	34.0
113	28/06/2015	11:50	66.0	198	0	0.49	30.1
500	28/06/2015	17:50	99.4	282	92	0.44	34.4
46	30/06/2015	18:45	63.7	702	61	0.53	11.7
204	02/07/2015	10:00	51.8	275	76	0.41	18.3
30	04/07/2015	13:00	266.8				
60	04/07/2015	13:20	38.7				
100	04/07/2015	13:30	85.5				

Numbers in bold refer to values that have been corrected from the original manuscript.

Table 2. Rates of particle-associated microbial respiration rates in phytodetrital aggregates. Averages are given for each depth with full range in brackets. Results are for experiments carried out at 10 °C.

Depth (m)	Total O_2 consumption (nmol O_2 agg ⁻¹ d ⁻¹)	Volumetric O_2 consumption (nmol O_2 mm ⁻³ d ⁻¹)	$C_{\text{resp}} \ (\mu \text{gC mm}^{-3} \text{d}^{-1})^*$	C_{spec} $(d^{-1})^{**}$	No. aggregates measured
36	1.25 (0.56–2.81)	13.18 (8.03–17.77)	0.158 (0.096-0.213)	0.014 (0.006-0.030)	6
46	2.04 (0.65-3.89)	19.12 (9.49–43.76)	0.230 (0.114-0.525)	0.012 (0.004-0.021)	10
73	2.46 (0.22-6.92)	13.47 (4.69–37.67)	0.162 (0.056-0.452)	0.012 (0.004-0.030)	15
113	0.98 (0.07-2.80)	11.66 (3.10–32.39)	0.140 (0.037-0.390)	0.011 (0.002-0.024)	10
128	0.93 (0.20-1.88)	13.40 (3.22–19.73)	0.161 (0.039-0.237)	0.014 (0.003-0.020)	8
204	0.46 (0.14-0.87)	15.25 (4.05–36.77)	0.183 (0.049-0.441)	0.013 (0.003-0.031)	7
500	0.74 (0.17-1.24)	13.95 (4.86–24.71)	0.167 (0.058-0.297)	0.012 (0.004-0.021)	5

^{**}Refers to counts of fast-sinking material collected from deployment of 95 L snow catcher bottle. Counts have been scaled up from smaller sample split (1/4).

^{*} Volume-specific respiration rate (C_{resp}). ** Carbon-specific respiration rate (C_{spec}).