



Corrigendum to

“The export flux of particulate organic carbon derived from $^{210}\text{Po}/^{210}\text{Pb}$ disequilibria along the North Atlantic GEOTRACES GA01 transect: GEOVIDE cruise” published in Biogeosciences, 16, 309–327, 2019

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In Table 2, the units for $\text{POC}/^{210}\text{Po}$ should read “ $\mu\text{mol dpm}^{-1}$ ” and not “ mol dpm^{-1} ”.

Table 2. The total ^{210}Po flux as the sum of the flux calculated from the deficit and vertical advection, together with $\text{POC}/^{210}\text{Po}$ ratios in particles $> 1\ \mu\text{m}$ (derived from the power law function in Fig. 5) and POC fluxes derived from ^{210}Po at the corresponding depths. The uncertainties of ^{210}Po export flux are associated with the activity uncertainty of the radionuclides. The error for the calculated particulate $\text{POC}/^{210}\text{Po}$ ratio in each basin is the standard error of regression. The uncertainties of the ^{210}Po -derived POC flux were estimated based on the propagation of error.

St.	Integration depth (m)				^{210}Po flux ($\text{dpm m}^{-2} \text{d}^{-1}$): $^{210}\text{Po}/^{210}\text{Pb}$ term								^{210}Po flux ($\text{dpm m}^{-2} \text{d}^{-1}$): vertical advection term							
	MLD	$Z_1\%$	PPZ	ThEq	MLD	\pm	$Z_1\%$	\pm	PPZ	\pm	ThEq	\pm	MLD	\pm	$Z_1\%$	\pm	PPZ	\pm	ThEq	\pm
1	15	40	136*	90*	1.1	0.3	1.5	0.8	-4.5	2.2	-0.9	1.6	2.4	19.7	3.6	14.7	6.8	4.8	4.6	16.2
13	35*	40	90*	110*	3.4	0.9	4.1	0.9	4.3	1.8	3.7	2.0	-0.2	5.2	-0.2	5.6	3.7	10.0	1.0	10.6
21	15	32*	64*	110*	-0.6	0.5	-0.7	0.8	2.2	1.2	3.5	1.8	-1.1	4.0	-0.4	1.7	2.7	9.9	0.01	0.40
26	30	30	98*	100	4.8	1.5	4.8	1.5	15.2	3.1	26.4	4.8	-0.9	3.2	-0.9	3.2	4.0	4.0	2.8	4.0
32	30	31*	70*	120*	4.7	0.9	4.8	0.9	9.1	1.4	8.5	2.2	-1.6	12.2	-1.6	12.0	7.9	33.4	3.0	23.3
38	30	30	69*	80	-0.5	1.3	-0.5	1.3	3.7	2.5	5.2	2.6	0.4	1.8	0.4	1.8	-1.0	3.5	-0.9	4.9
44	26*	22*	44*	40	1.5	1.0	1.0	1.0	4.2	1.4	3.6	1.4	0.9	2.1	1.1	2.5	0.9	2.2	1.5	2.8
60	17*	20	36*	100	3.1	1.1	3.8	1.1	9.8	1.6	37	5.4	-24.9	49.6	-40.4	74.9	-36.2	69.0	14.1	87.1
64	20*	47*	80	80	5.8	0.8	9.8	2.1	17.8	3.2	18	3.2	-0.7	2.9	-4.3	8.8	-0.5	3.7	-0.5	3.7
69	20*	28*	44*	40	4.0	0.7	6.1	0.8	8.5	1.6	8.3	1.5	1.9	3.3	3.4	5.8	5.8	7.9	6.7	8.9
77	15*	20	59*	80	2.2	0.6	2.9	0.7	7.0	2.4	9.8	2.9	-0.6	5.2	0.3	6.4	3.0	9.9	-15	29

St.	^{210}Po flux ($\text{dpm m}^{-2} \text{d}^{-1}$): total flux								$\text{POC}/^{210}\text{Po}$ ($\mu\text{mol dpm}^{-1}$)							
	MLD	\pm	$Z_1\%$	\pm	PPZ	\pm	ThEq	\pm	MLD	\pm	$Z_1\%$	\pm	PPZ	\pm	ThEq	\pm
1	3.5	19.7	5.1	14.7	2.3	5.3	3.6	16.2	540	67	305	67	150	67	190	67
13	3.2	5.3	3.9	5.7	7.9	10.1	4.7	10.8	330	67	305	67	190	67	169	67
21	-1.7	4.1	-1.1	1.8	4.9	10.0	3.5	1.9	542	89	389	89	287	89	227	89
26	3.9	3.5	3.9	3.5	17.7	5.1	29.2	6.2	400	89	400	89	238	89	236	89
32	3.0	12.2	3.2	12.1	17.0	33.4	11.6	23.4	367	111	363	111	265	111	216	111
38	-0.2	2.3	-0.2	2.3	2.7	4.3	4.2	5.6	367	111	367	111	267	111	252	111
44	2.5	2.3	2.1	2.7	5.1	2.6	5.1	3.1	310	107	330	107	254	107	263	107
60	-21.8	49.6	-36.6	74.5	-26.4	69.0	51.2	87.2	364	107	342	107	274	107	187	107
64	5.1	3.0	5.5	9.0	17.4	4.9	17.4	4.9	675	152	375	152	261	152	261	152
69	5.9	3.4	9.4	5.8	14.4	8.0	15.0	9.0	675	152	536	152	393	152	419	152
77	1.5	5.2	3.1	6.4	10.1	10	-4.8	29.0	822	152	675	152	321	152	261	152

St.	^{210}Po - POC flux ($\text{mmol C m}^{-2} \text{d}^{-1}$): $^{210}\text{Po}/^{210}\text{Pb}$ term								^{210}Po - POC flux ($\text{mmol C m}^{-2} \text{d}^{-1}$): total flux							
	MLD	\pm	$Z_1\%$	\pm	PPZ	\pm	ThEq	\pm	MLD	\pm	$Z_1\%$	\pm	PPZ	\pm	ThEq	\pm
1	0.6	0.2	0.4	0.3	-0.7	0.4	-0.2	0.3	1.9	10.7	1.5	4.5	0.3	0.8	0.7	3.1
13	1.1	0.4	1.3	0.4	0.8	0.4	0.6	0.4	1.0	1.8	1.2	1.7	1.5	2.0	0.8	1.9
21	-0.3	0.3	-0.3	0.3	0.6	0.4	0.8	0.5	-0.9	2.2	-0.4	0.7	1.4	2.9	0.8	0.5
26	1.9	0.7	1.9	0.7	3.6	1.5	6.2	2.6	1.5	1.4	1.5	1.4	4.6	2.0	6.9	3.0
32	1.7	0.6	1.7	0.6	2.4	1.1	1.8	1.1	1.1	4.5	1.1	4.4	4.5	9.1	2.5	5.2
38	-0.2	0.5	-0.2	0.5	1.0	0.8	1.3	0.9	-0.1	0.8	-0.1	0.8	0.7	1.2	1.1	1.5
44	0.5	0.4	0.3	0.4	1.1	0.6	1.0	0.5	0.8	0.8	0.7	0.9	1.3	0.9	1.4	1.0
60	1.1	0.5	1.3	0.5	2.7	1.1	6.9	4.1	-7.9	20	-12.5	25.9	-7.2	19.1	9.6	17.2
64	3.9	1.0	3.7	1.7	4.7	2.8	4.7	2.8	3.5	2.1	2.1	3.5	4.5	2.9	4.5	2.9
69	2.7	0.8	3.3	1.0	3.4	1.4	3.5	1.4	4.0	2.5	5.1	3.4	5.7	3.8	6.3	4.4
77	1.8	0.6	1.9	0.6	2.3	1.3	2.5	1.7	1.3	4.3	2.1	4.3	3.2	3.6	-1.3	7.6

* For the depths at which total radionuclides data are not available, the measured values of total ^{210}Po and ^{210}Pb activities were linearly interpolated at the missing depths.