1   **Table S1: List of POC:POP flux measurements.**

#	Study	Longitude	Latitude	Regions[1]	Depth (m)	C:P flux xw (molar)	Sample size, n	Sediment trap type
1	Antia05	-81.88	5.35	ETP	667	318.0	NA	Moored
2	Antia05	-81.88	5.35	ETP	1268	226.0	NA	Moored
3	Antia05	-81.88	5.35	ETP	2700	210.0	NA	Moored
4	Antia05	-81.88	5.35	ETP	3700	243.0	NA	Moored
5	Antia05	-54.00	13.50	NASG	389	182.0	NA	Moored
6	Antia05	-54.00	13.50	NASG	976	274.0	NA	Moored
7	Antia05	-55.92	31.54	NASG	3694	104.0	NA	Moored
8	Antia05	-54.00	13.50	NASG	3755	180.0	NA	Moored
9	Antia05	-54.00	13.50	NASG	5068	202.0	NA	Moored
10	Antia05	-151.48	15.35	NPSG	2778	303.0	NA	Moored
11	Antia05	-151.48	15.35	NPSG	4280	243.0	NA	Moored
12	Antia05	-64.67	10.50	ETP	667	169.7	14	Moored
13	BenitezNelson07	-64.67	10.50	NASG	130	264.6	171	Moored
14	BenitezNelson07	-64.67	10.50	NASG	226	278.9	160	Moored
15	BenitezNelson07	-64.67	10.50	NASG	407	306.7	145	Moored
16	BenitezNelson07	-64.67	10.50	NASG	844	297.3	131	Moored
17	BenitezNelson07	10.00	-21.00	NASG	1205	249.4	3	Moored
18	Engel17	10.25	-21.00	ETA	150	341.2	3	Surface_tethered
19	Engel17	10.00	-21.00	ETA	150	313.0	3	Surface_tethered
20	Engel17	10.25	-21.00	ETA	200	297.4	3	Surface_tethered
21	Engel17	10.00	-21.00	ETA	200	374.6	3	Surface_tethered
22	Engel17	10.25	-21.00	ETA	300	391.5	3	Surface_tethered
23	Engel17	10.00	-21.00	ETA	300	411.8	3	Surface_tethered
24	Engel17	10.25	-21.00	ETA	400	326.8	3	Surface_tethered
25	Engel17	10.00	-21.00	ETA	400	368.8	3	Surface_tethered
26	Engel17	10.25	-21.00	ETA	500	347.5	3	Surface_tethered
27	Engel17	10.00	-21.00	ETA	500	321.7	3	Surface_tethered
28	Engel17	10.25	-21.00	ETA	600	297.2	3	Surface_tethered
29	Faul05	-139.70	0.09	ETP	1042	182.0	2	Moored
30	Faul05	-139.00	1.06	ETP	1083	240.0	2	Moored
31	Faul05	-139.00	1.06	ETP	1883	281.3	2	Moored

[1] TA = Tropic Atlantic, TP = Tropical Pacific, STNA = Subtropical North Atlantic, STNP = Subtropical North Pacific, SNP = Subpolar North Pacific

32	Faul05	-139.70	0.09	ETP	1926	341.0	2	Moored
33	Faul05	-139.00	1.06	ETP	2908	344.0	2	Moored
34	Faul05	-139.70	0.09	ETP	3650	343.0	2	Moored
35	Faul05	-139.00	1.06	ETP	4220	345.0	2	Moored
36	Faul05	-139.00	1.06	ETP	4390	267.0	2	Moored
37	Grabowski19	158.00	22.75	NPSG	110	204.0	8	Surface_tethered
38	Grabowski19	158.00	22.75	NPSG	120	223.0	8	Surface_tethered
39	Grabowski19	158.00	22.75	NPSG	130	223.0	8	Surface_tethered
40	Grabowski19	158.00	22.75	NPSG	140	229.0	8	Surface_tethered
41	Grabowski19	158.00	22.75	NPSG	150	230.0	8	Surface_tethered
42	Grabowski19	158.00	22.75	NPSG	160	254.0	8	Surface_tethered
43	Grabowski19	158.00	22.75	NPSG	175	290.0	8	Surface_tethered
44	Grabowski19	158.00	22.75	NPSG	200	272.0	8	Surface_tethered
45	Grabowski19	158.00	22.75	NPSG	250	289.0	8	Surface_tethered
46	Grabowski19	158.00	22.75	NPSG	300	337.0	8	Surface_tethered
47	Grabowski19	158.00	22.75	NPSG	500	319.0	8	Surface_tethered
48	Karl12	158.00	22.75	NPSG	4000	218.4	226	Moored
49	Lamborg08	161.00	47.00	NPA	150	128.8	3	Free_drifting
50	Lamborg08	161.00	47.00	NPA	300	141.7	2	Free_drifting
51	Lamborg08	161.00	47.00	NPA	500	175.7	2	Free_drifting
52	Lomas10	-64.17	31.67	NASG	150	359.0	6	Surface_tethered
53	Lomas10	-64.17	31.67	NASG	200	443.0	6	Surface_tethered
54	Lomas10	-64.17	31.67	NASG	300	499.0	6	Surface_tethered

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