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Biogeosciences Discussions

Interactive comment on "C_5 glycolipids of heterocystous cyanobacteria track symbiont abundance in the diatom *Hemiaulus hauckii* across the tropical north Atlantic" *by* Nicole J. Bale et al.

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Please find here the figures and supplement for article bg-2017-300.

Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2017-300, 2017.

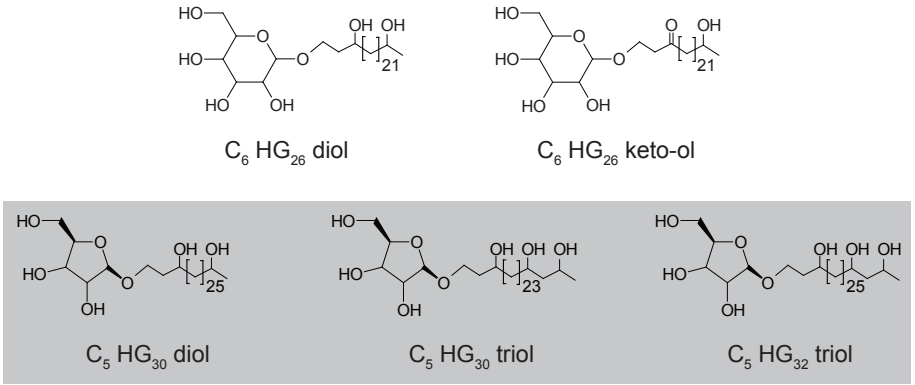

Fig. 1. Figure 1

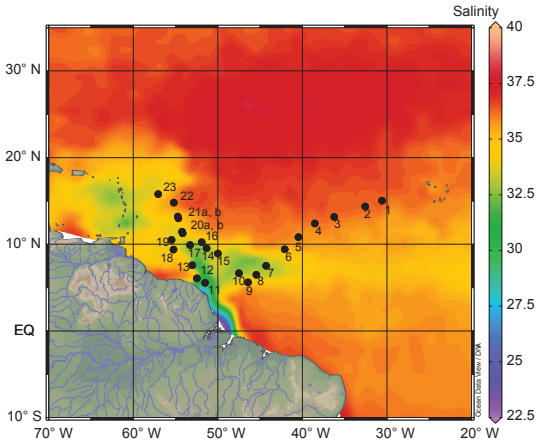

Fig. 2. Figure 2

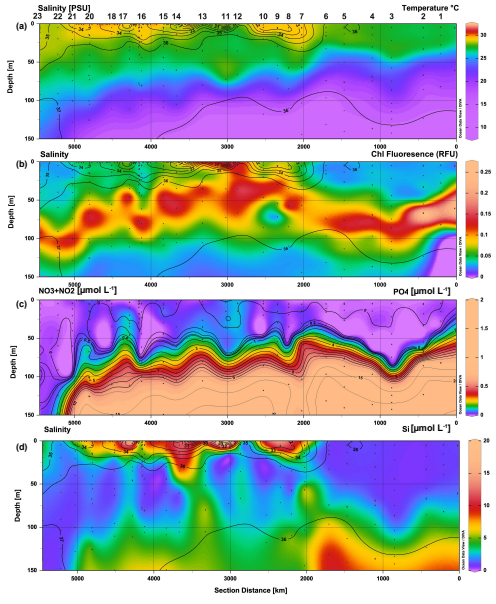

Fig. 3. Figure 3

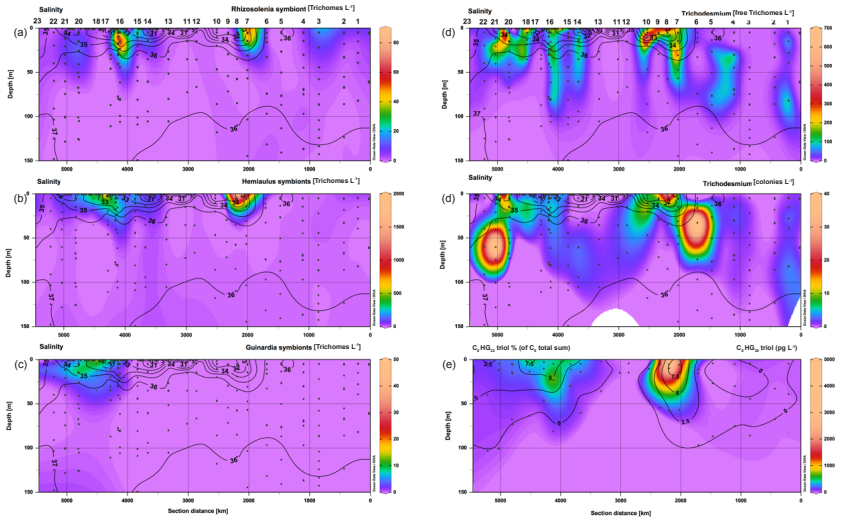

Fig. 4. Figure 4

C5

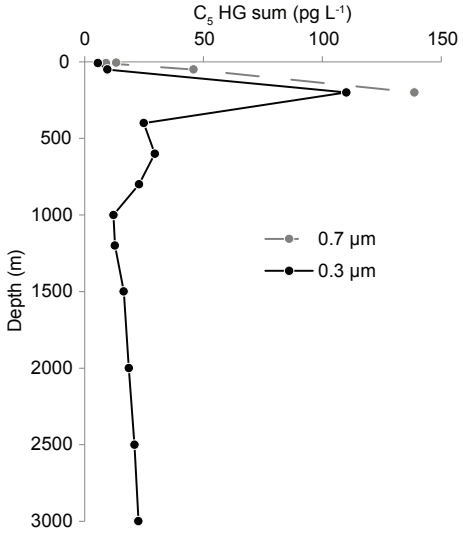

Fig. 5. Figure 5

C6

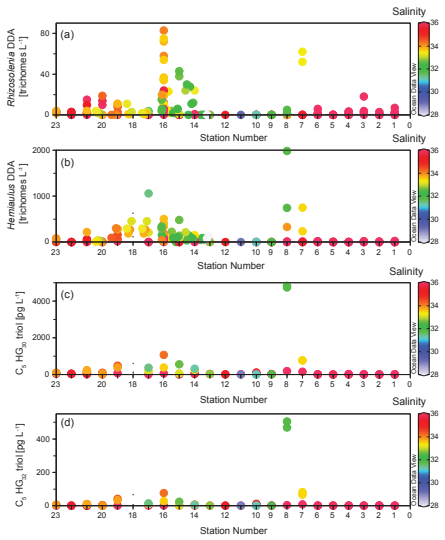

Fig. 6. Figure 6

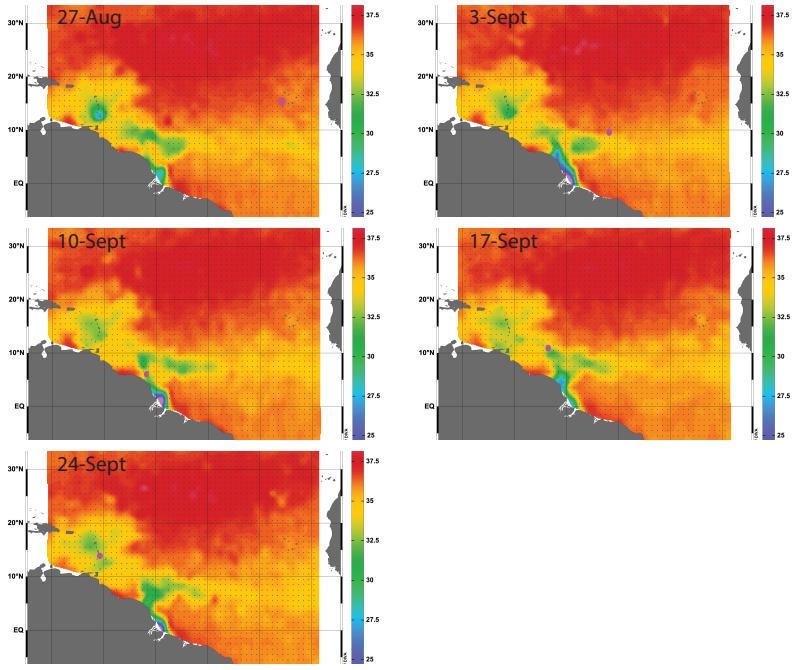

Fig. 7. Figure S1

St-cast		Bacillar	Chloroph	Chrysoph	Cryptoph	Cyanophy* *Synechococcus*	Prochl	Dinoph	Prasinop	Prym
01-06	5 m GF/F	0.00	0.00	0.00	0.00	0.28	**0.51**	0.03	0.00	0.18
01-06	BML GF/F	0.00	0.00	0.00	0.00	0.36	0.48	0.03	0.00	0.14
01-06	DCM GF/F	0.00	0.01	0.41	0.03	0.00	0.42	0.02	0.05	0.07
02-02	5 m GF/F	0.00	0.00	0.00	0.00	0.17	**0.61**	0.05	0.00	0.17
02-02	BML GF/F	0.00	0.00	0.07	0.00	0.18	**0.53**	0.04	0.00	0.18
02-02	DCM GF/F	0.00	0.01	0.36	0.04	0.11	0.31	0.04	0.04	0.09
03-07	5 m GF/F	0.00	0.00	0.08	0.00	0.18	**0.55**	0.04	0.00	0.16
03-07	BML GF/F	0.00	0.00	0.00	0.00	0.22	**0.56**	0.02	0.00	0.20
03-07	DCM GF/F	0.00	0.01	0.30	0.01	0.07	**0.51**	0.03	0.00	0.08
04-01	5 m GF/F	0.00	0.00	0.01	0.00	0.29	0.44	0.03	0.00	0.23
04-01	BML GF/F	0.00	0.00	0.13	0.00	0.21	0.46	0.06	0.00	0.14
04-01	DCM GF/F	0.00	0.00	**0.51**	0.03	0.01	0.35	0.02	0.08	0.00
05-06	5 m GF/F	0.00	0.00	0.00	0.00	0.29	**0.50**	0.04	0.00	0.16
05-06	BML GF/F	0.00	0.00	0.00	0.00	0.46	0.36	0.05	0.00	0.13
05-06	DCM GF/F	0.00	0.00	0.43	0.04	0.08	0.19	0.03	0.15	0.08
06-01	5 m GF/F	0.00	0.00	0.00	0.00	0.28	0.49	0.07	0.00	0.15
06-01	BML	0.00	0.00	0.03	0.00	0.37	0.42	0.03	0.00	0.15
06-01	DCM GF/F	0.00	0.00	0.44	0.03	0.08	0.18	0.00	0.13	0.14
07-06	5 m GF/F	0.00	0.00	0.06	0.00	**0.50**	0.19	0.03	0.00	0.22
07-06	BML GF/F	0.00	0.01	0.00	0.00	**0.81**	0.00	0.01	0.01	0.16
07-06	DCM GF/F	0.00	0.00	0.61	0.03	0.13	0.14	0.01	0.06	0.01
08-06	5 m GF/F	0.05	0.00	0.05	0.00	0.47	0.16	0.01	0.00	0.26
08-06	BML GF/F	0.21	0.00	0.00	0.00	**0.62**	0.02	0.02	0.00	0.13
08-06	DCM GF/F	0.00	0.00	0.15	0.02	0.01	0.47	0.02	0.06	0.27

> 0.5 of total
0.1-0.2 of total
*Excluding Prochlorococcus

Fig. 8. Table S1

Station	Longitude [degrees_east]	Latitude [degrees_north]	Depth (m)	yy-mm-dd	Rhizo syms	Hemiaulus syms	Trichodesmium colonies	Trichodesmium filaments	R. cylindrus syms
1	-30.56	15	4.7	28-Aug-14	6.0	21.4	0.9	13.7	
1	-30.56	15	15.024	28-Aug-14	1.7	0.0	0.0	77.8	
1	-30.56	15	27.637	28-Aug-14	1.7	0.0	4.3	32.5	
1	-30.56	15	39.103	28-Aug-14	2.6	0.0	0.0	15.4	
1	-30.56	15	81.919	28-Aug-14	0.0	0.0	3.4	104.3	
1	-30.56	15	197.944	29-Aug-14	0.0	0.0	0.0	0.9	
2	-32.58	14.35	18.042	28-Aug-14	1.7	10.3	0.0	4.3	
2	-32.58	14.35	32.895	28-Aug-14	0.0	0.0	0.0	3.4	
2	-32.58	14.35	33.438	28-Aug-14	2.6	3.4	0.0	0.0	
2	-32.58	14.35	55.094	28-Aug-14	0.0	0.0	0.0	11.1	
2	-32.58	14.35	123.245	28-Aug-14	0.0	0.0	0.0	1.7	
3	-36.21	13.16	4.749	31-Aug-14	15.4	0.0	0.0	0.0	
3	-36.21	13.16	44.183	31-Aug-14	3.4	17.1	0.9	5.1	
3	-36.21	13.16	44.373	31-Aug-14	2.6	11.1	0.0	2.6	
3	-36.21	13.16	57.806	31-Aug-14	1.7	0.0	0.9	0.9	
3	-36.21	13.16	86.036	31-Aug-14	0.0	0.0	0.0	0.9	
4	-38.5	13.41	14.549	1-Sep-14	2.6	0.0	1.7	0.0	
4	-38.5	13.41	30.018	1-Sep-14	2.6	0.9	2.6	181.2	
4	-38.5	13.41	44.581	1-Sep-14	0.0	0.0	0.9	41.0	
4	-38.5	13.41	74.952	1-Sep-14	0.0	0.0	0.9	59.8	
4	-38.5	13.41	96.802	1-Sep-14	1.7	0.0	0.9	6.8	
4	-38.5	13.41	136.157	1-Sep-14	0.0	0.0	0.0	0.0	
5	-40.47	10.83	4.299	2-Sep-14	0.0	0.0	3.4	23.9	
5	-40.47	10.83	5.703	2-Sep-14	0.0	0.0	0.0	0.0	
5	-40.47	10.83	26.701	2-Sep-14	0.0	7.7	2.6	88.9	
5	-40.47	10.83	50.072	2-Sep-14	0.0	0.0	2.6	11.1	
5	-40.47	10.83	76.843	2-Sep-14	0.0	0.0	1.7	58.1	
5	-40.47	10.83	86.646	2-Sep-14	0.0	0.0	1.7	58.1	

Fig. 9. Table S2

			m	pg/L	pg/L	ng/L
STATION	Lat	Long	Depth	C5 HG30 triol	C5 HG32 triol	Chl-a by HPLC
1	15.02	-30.56	80	0	0	370.9
1	15.02	-30.56	40	14.11	0	55.4
1	15.02	-30.56	5	18.03	0	37.2
2	14.35	-32.58	65	0	0	402.2
2	14.35	-32.58	33	5.32	0	38.4
2	14.35	-32.58	5	na	na	37.9
3	13.16	-36.21	90	8.92	0	146.4
3	13.16	-36.21	35	23.41	0	43.3
3	13.16	-36.21	5	24.6	0	41.9
4	12.41	-38.5	83	7.02	0	215.6
4	12.41	-38.5	30	13.27	0	61
4	12.41	-38.5	5	40.92	0	49
5	10.83	-40.47	80	6.9	0	335.7
5	10.83	-40.47	40	6.42	0	54.4
5	10.83	-40.47	5	8.871	0	34.7
6	9.41	-42.1	90	1.18	0	330.8
6	9.41	-42.1	15	15.06	0	60.7
6	9.41	-42.1	5	27.27	0	42.9
7	7.52	-44.28	60	169.29	8.49	236.3
7	7.52	-44.28	15	778.72	82.92	126.6
7	7.52	-44.28	5	772.56	66.19	115.5
8	6.49	-45.45	52	196.75	4.65	214.7
8	6.49	-45.45	10	4753.05	505.66	470.2
8	6.49	-45.45	5	4836.92	468.39	164.7
9	5.6	-46.4	200	20.66	0	na
9	5.6	-46.4	40	38.06	0	301.9
9	5.6	-46.4	5	24.55	0	242.5
10	6.68	-47.49	200	126.98	11.81	na
10	6.68	-47.49	50	45.81	0	255.9
10	6.68	-47.49	9	9.02	0	224.7
10	6.68	-47.49	5	13.28	0	187
11	5.53	-51.49	15	17.68	0	176.2
11	5.53	-51.49	5	0	0	132.6
12	6.07	-52.46	15	15.56	0	326
12	6.07	-52.46	5	3.01	0	126.2
13	7.6	-53.02	35	28.72	0	89.2
13	7.6	-53.02	3	31.07	0	301

Fig. 10. Table S3