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Supplement of

Seasonality in planktic foraminifera of the central California coastal upwelling region

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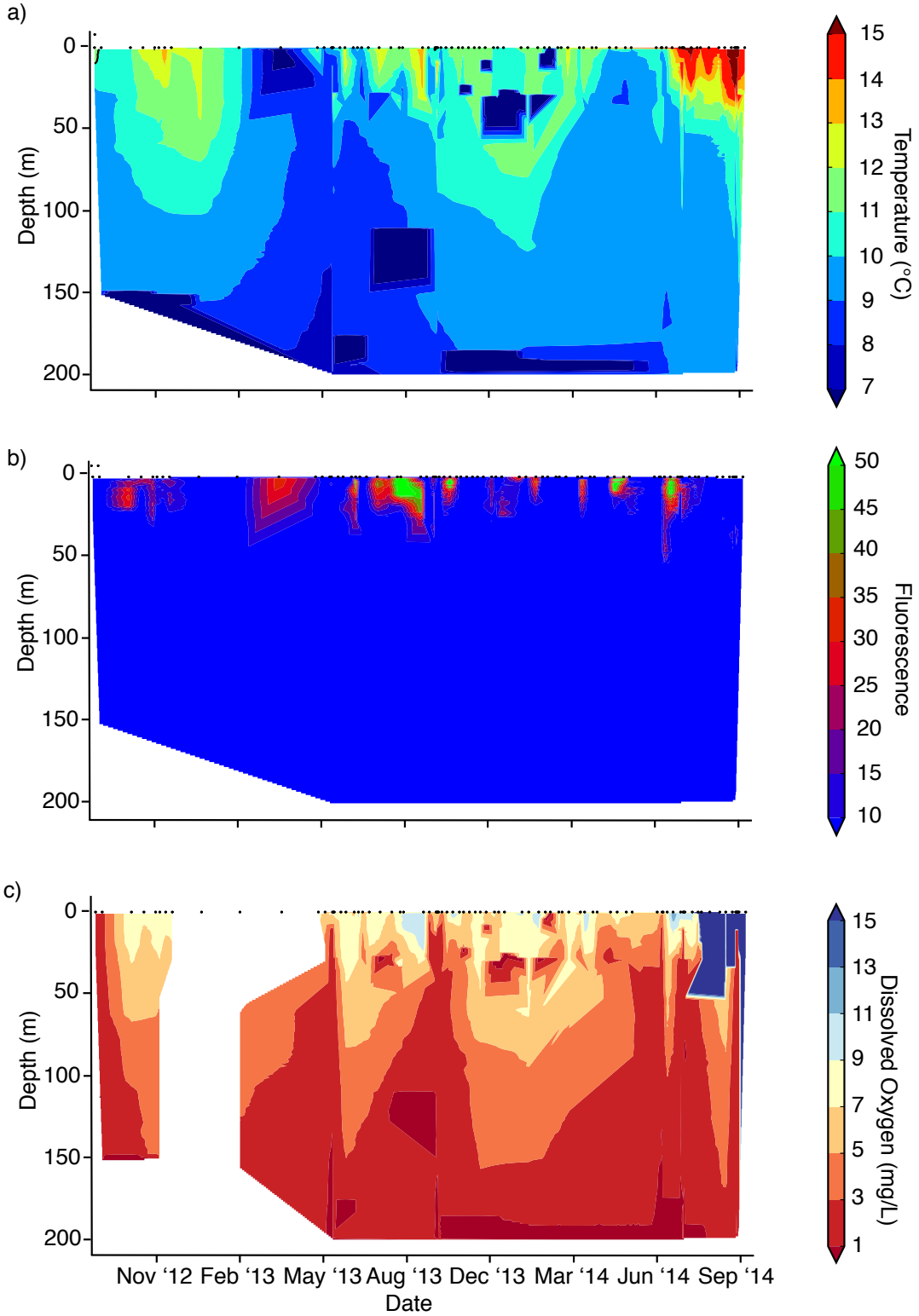
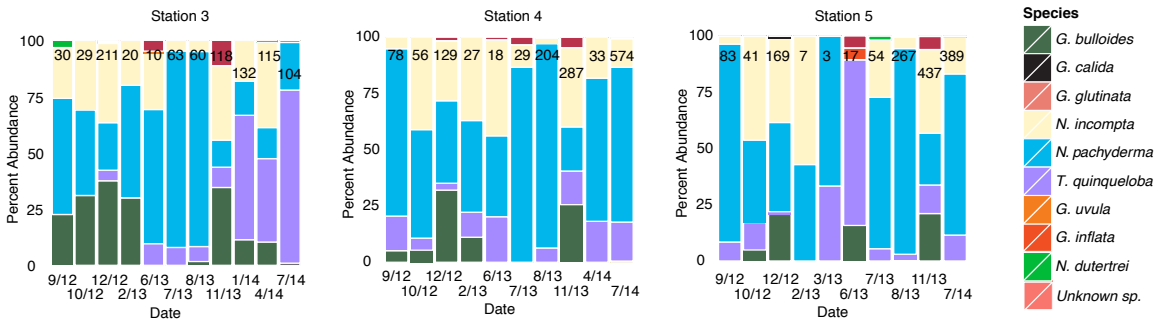
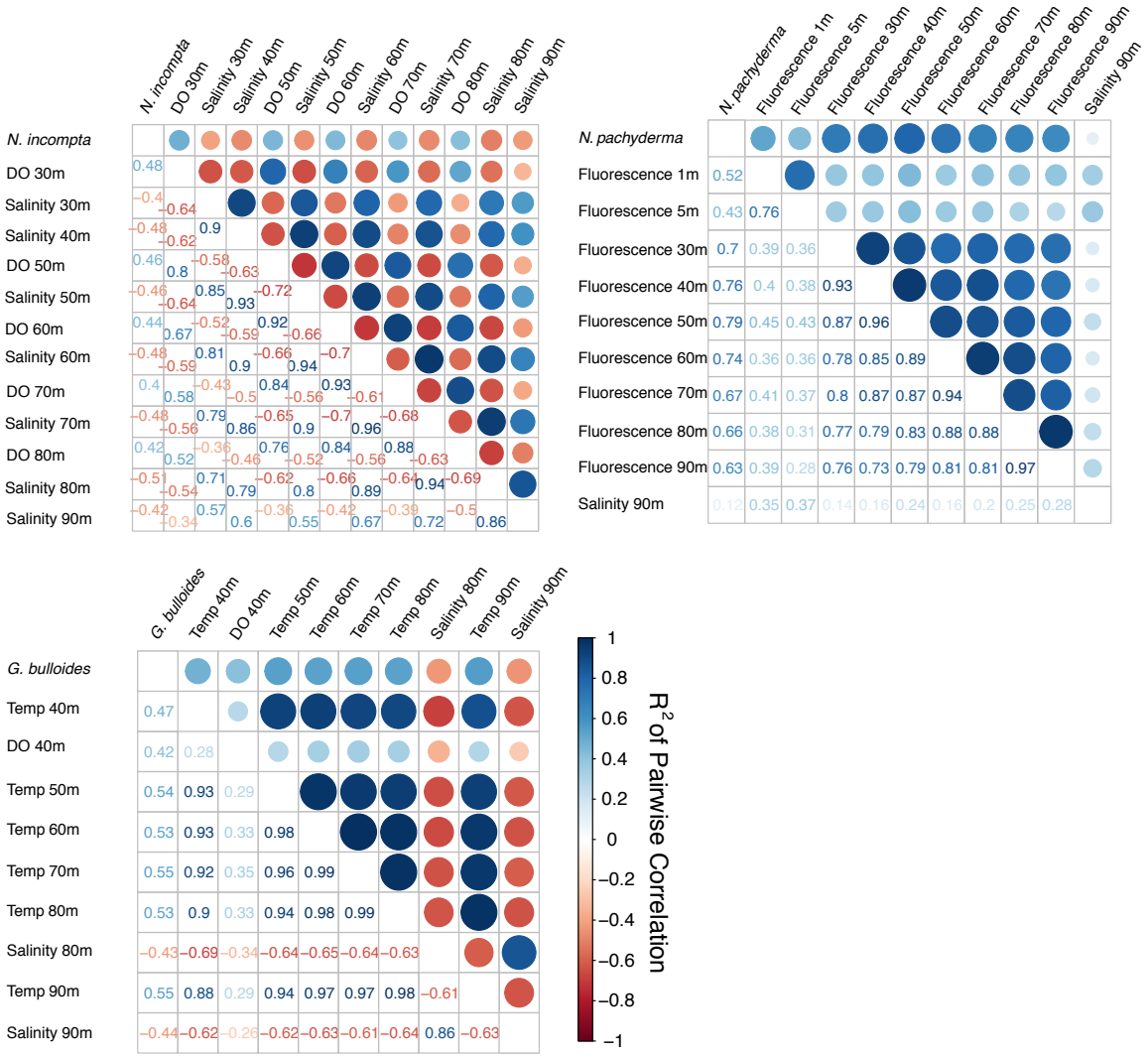


S1. A time-series of CTD cast profiles extending to 200 m water depth for a) temperature, b) fluorescence, and c) DO taken between September 2012 and October 2014. Time-series are compiled from CTD casts at BL5 in conjunction with

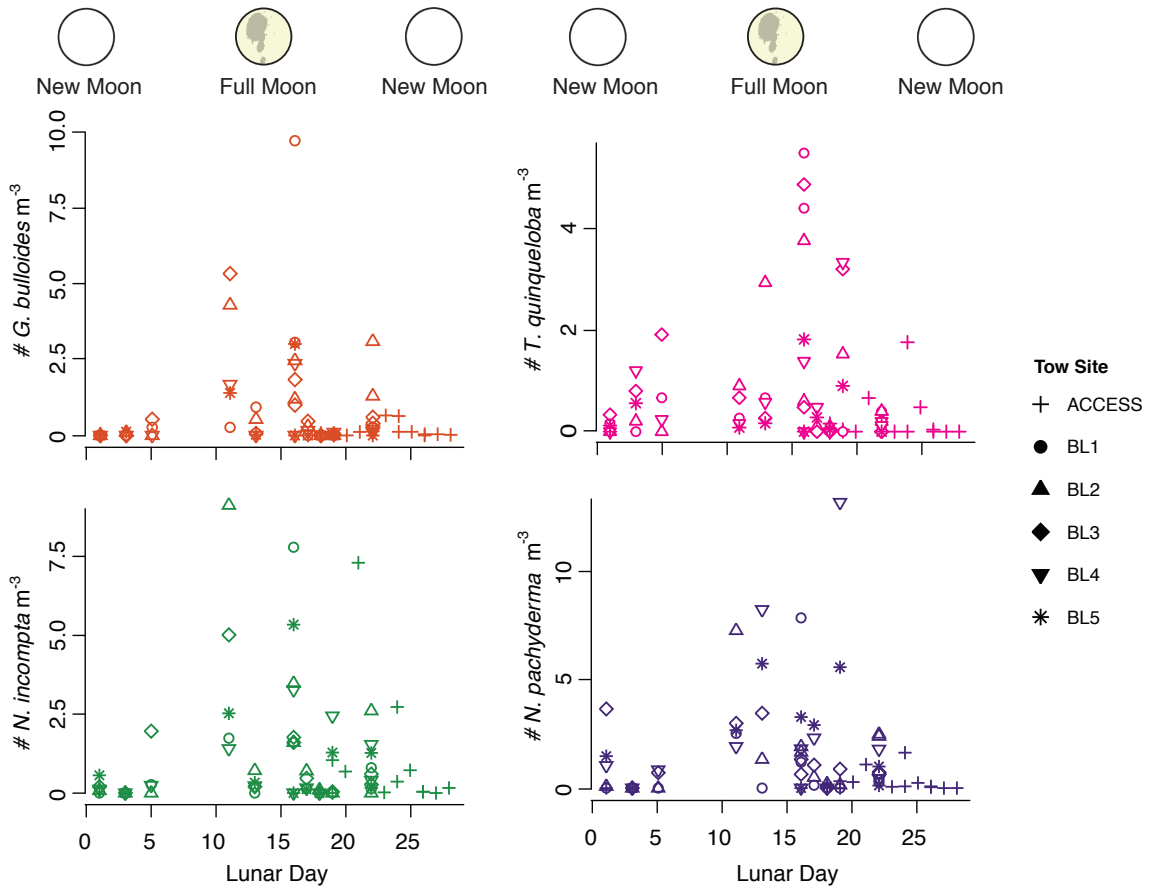
plankton tows and supplemented with data from weekly CTD casts taken at BL1 as a part of the Bodega Ocean Observing Node. Black points at the top of each figure denote the location of each CTD cast.



S2. Relative abundance of all species at stations BL3, BL4 and BL5, with total number of foraminifera marked at the top of each bar.



S3. Pairwise correlation of total abundances for *N. incompta*, *N. pachyderma,* and *G. bulloides*. Correlation matrix shows significant pairwise correlations with $R^2 > |0.4|$. Numerical R^2 values are shown in the lower left division, and schematically by the size and color of points in the upper right division.



S4. *G. bulloides, T. quinqueloba*, *N. incompta,* and *N. pachyderma* counts by lunar day from the new moon (Day 0) to Full Moon (Day ~14). Abundances are taken from integrated tows, with standing stock calculate from the net diameter and depth of tows (see Table 1). Symbols denote tow station.

Date	Tow Site	*G. bulloides*	*T. quinqueloba*	*N. pachyderma*	*N. incompta*	*G. calida*	*T. inflata*	*G. glutinata*	*N. dutertrei*	*G. uvula*	*Unidentified globoratalid spp.*	*Unidentified*	*TOTAL*
9/26/12	B1	0	0	1	1	0	0	0	0	0	0	0	2
9/26/12	B2	3	1	5	7	0	0	0	0	0	0	0	17
9/26/12	B3	7	0	16	7	0	0	0	1	0	0	0	31
9/26/12	B4	4	12	58	4	0	0	0	0	0	0	0	90
9/26/12	B5	0	7	73	3	0	0	0	0	0	0	0	90
10/30/12	B1	2	3	2	1	0	0	0	0	0	0	0	11
10/30/12	B2	31	2	25	0	0	0	0	0	0	0	0	60
10/30/12	B3	9	0	11	9	0	0	0	0	0	0	0	29
10/30/12	B4	3	3	27	23	0	0	0	0	0	0	0	59
10/30/12	B5	2	5	15	19	0	0	0	0	0	0	0	46
12/19/12	B1	2	2	19	13	0	0	0	0	0	0	0	38
12/19/15	B2	43	9	73	91	0	0	0	0	0	0	0	225
12/19/15	B3	80	10	45	75	1	0	0	1	1	0	0	223
12/19/12	B4	42	4	48	35	0	0	0	0	0	0	2	135
12/19/12	B5	35	2	67	63	2	0	0	0	0	0	0	171
2/4/13	B1	2	0	3	6	0	0	0	0	0	0	0	11
2/4/13	B2	13	4	24	26	1	0	0	0	1	0	0	73
2/4/13	B3	6	0	10	4	0	0	0	0	0	0	0	20
2/4/13	B4	3	3	11	10	0	0	0	0	0	0	0	30
2/4/13	B5	0	0	3	4	0	0	0	0	0	0	0	7
3/26/13	B1	0	0	0	0	0	0	0	0	0	0	0	0
3/26/13	B2	0	1	2	1	0	0	0	0	0	0	0	5
3/26/13	B3	0	0	0	0	0	0	0	0	0	0	0	0
3/26/13	B4	0	0	0	0	0	0	0	0	0	0	0	0
3/26/13	B5	0	1	2	0	0	0	0	0	0	0	0	4
5/26/13	W6	0	1	0	0	0	0	0	0	0	0	1	3
5/27/13	W4	0	0	7	17	0	0	0	0	0	0	0	24
5/28/13	W2	4	23	38	253	0	4	0	0	1	0	0	346
6/11/13	B1	0	0	0	0	0	0	0	0	0	0	0	0
6/11/13	B2	1	2	0	0	0	0	0	0	0	0	0	5
6/11/13	B3	0	10	0	0	0	0	0	1	0	0	5	26
6/11/13	B4	0	18	0	0	0	0	0	0	0	0	1	37
6/11/13	B5	3	14	0	0	0	1	0	0	0	0	1	33
7/9/13	B1	0	1	0	0	0	0	0	0	0	0	0	2
7/9/13	B2	0	0	1	1	0	0	0	0	0	0	0	2
7/9/13	B3	0	5	55	3	0	0	0	0	0	0	0	68
7/9/13	B4	0	0	26	3	0	0	0	0	0	0	1	30
7/9/13	B5	0	3	37	14	0	0	0	1	0	0	0	58

Date	Tow Site	*G. bulloides*	*T. quinqueloba*	*N. pachyderma*	*N. incompta*	*G. calida*	*T. inflata*	*G. glutinata*	*N. dutertrei*	*G. uvula*	*Unidentified globoratalid spp.*	*Unidentified*	*TOTAL*
7/26/13	W4	2	4	3	2	0	0	0	0	0	0	0	15
7/27/13	W2	2	0	8	26	0	0	0	0	0	0	0	36
8/19/13	B1	7	5	0	0	0	0	0	0	0	0	0	17
8/19/13	B2	6	33	15	8	0	0	0	0	0	0	0	95
8/19/13	B3	1	4	52	3	0	0	0	0	0	0	0	64
8/19/13	B4	0	13	186	5	0	0	0	0	0	0	1	218
8/19/13	B5	1	7	245	14	0	0	0	0	0	0	1	275
9/28/13	W6	3	44	41	68	0	0	0	0	2	1	0	203
9/29/13	W4	3	12	6	18	0	0	0	0	0	0	0	51
9/30/13	W2	0	1	2	1	0	0	0	0	0	0	0	5
11/19/13	B1	85	48	69	68	0	0	73	0	0	1	0	392
11/19/13	B2	37	9	25	52	0	0	6	0	0	0	0	138
11/19/13	B3	46	12	16	44	0	0	15	0	0	0	0	145
11/19/13	B4	77	45	59	106	0	0	14	0	0	0	0	346
11/19/13	B5	98	59	107	173	0	0	27	1	0	0	0	524
1/16/14	B1	23	33	9	12	0	0	0	0	0	0	0	110
1/16/14	B2	15	47	24	20	0	0	0	0	0	0	0	153
1/16/14	B3	15	73	20	24	0	0	0	0	0	0	0	205
1/16/14	B4	0	0	0	0	0	0	0	0	0	0	0	0
1/16/14	B5	0	0	0	0	0	0	0	0	0	0	0	0
4/3/14	B1	2	5	0	2	0	0	0	0	0	0	0	14
4/3/14	B2	0	0	0	0	0	0	0	0	0	0	0	0
4/3/14	B3	12	43	16	44	0	0	0	0	1	0	0	159
4/3/14	B4	0	6	21	6	0	0	0	0	0	0	0	39
7/1/15	B1	0	0	0	0	0	0	0	0	0	0	0	0
7/1/14	B2	0	21	2	0	0	0	0	0	0	0	0	44
7/1/14	B3	1	80	22	1	0	0	0	0	0	0	0	184
7/1/15	B4	3	100	397	73	0	0	1	0	0	3	0	677
7/1/14	B5	0	45	280	64	0	0	2	0	0	0	0	436
7/20/14	W6	33	0	3	1	0	0	0	0	0	0	3	40
7/23/14	W2	2	0	2	2	0	0	0	0	0	0	0	6
9/21/14	W6	2	0	0	0	0	0	0	1	0	0	0	3
9/22/14	W2	1	0	0	8	0	0	0	3	0	0	0	12
9/23/14	W4	3	0	0	9	0	0	0	1	0	0	0	13

S5. Foraminiferal species counts for each plankton tow taken between September 2012 and September 20014.