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Supplement of

Record of Early Toarcian carbon cycle perturbations in a nearshore environment: the Bascharage section (easternmost Paris Basin)

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Record of Early Toarcian carbon cycle perturbations in a nearshore environment: The Bascharage section (easternmost Paris Basin)

by Michaël Hermoso et al.

Numerical dataset

Isotopic ratios, carbonate and total organic carbon content, and Rock Eval parameters of the Bascharage section.

Sample ID	depths (cm)	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$	% Carbonate	% TOC	Tmax	S1	S2	HI
BAS 5.60	1055	3.33	-5.06	26.7	6.3	418	1.2	54	670
BAS 5.10	1005	2.37	-4.72	30.2	3.8	421	0.69	39	550
BAS 4.60	955	2.78	-4.63	37.3	7	418	0.83	52	550
BAS 4.10	905	1.63	-5.19	39.5	7.8	418	0.55	37	620
BAS 3.60	855	2.15	-4.44	26.5	8.4	415	0.37	26	530
BAS 3.50	845	2.67	-4.95	30.64	5.1	406	0.45	26	510
BAS 3.40	835	2.78	-4.82	28.03	4.4	418	0.23	18	410
BAS 3.30	825	2.33	-4.67	34.92	5.6	419	0.34	31	420
BAS 3.20	815	2.82	-4.95	41.42	5.2	415	0.39	28	530
BAS 3.10	805	2.67	-5.1	50.44	5.5	416	0.4	34	610
BAS 2.90	785	2.93	-4.99	52.74	6.3	416	0.59	39	620
BAS 2.80	775	2.68	-5.47	55.76	6.1	415	0.63	36	590
BAS 2.70	765	2.51	-5.14	59.16	5.8	417	0.52	37	640
BAS 2.60	755	2.75	-5.6	50.05	5.9	417	0.54	38	630
BAS 2.50	745	2.17	-5.19	43.17	7.5	417	0.68	47	630
BAS 2.40	735	2.41	-4.23	32.77	8.6	416	0.84	54	630
BAS 2.30	725	1.54	-4.98	34.86	9.4	417	0.98	60	640
BAS 2.20	715	1.07	-5.22	33.04	12	416	1.6	71	610
BAS 2.10	705	1.17	-4.54	31.16	11	415	1.5	67	620
BAS 2.00	695	1.6	-4.91	25.43	7.9	404	0.81	49	620
BAS 1.95	690	0.93	-4.89	28.85	7.9	416	1.3	49	620
BAS 1.90	685	1.6	-5.02	29.65	7.6	415	0.81	47	620
BAS 1.85	680	1.05	-4.74	30.08	8.3	414	0.96	52	630
BAS 1.80	675	-1.19	-4.2	38.68	7.3	414	0.86	45	610
BAS 1.70	665	-4.29	-3.67	39.48	6.3	414	1.2	50	790
BAS 1.65	660	-2.38	-4.07	29.97	8.5	418	1.1	54	630
BAS 1.60	655	-1.48	-4.31	33.27	8.4	415	0.93	52	620
BAS 1.55	650	-0.72	-4.19	26.4	9.6	416	1.1	63	650
BAS 1.50	645	-0.62	-4.51	29.2	8.3	417	1	49	600
BAS 1.45	640	-1.31	-4.15	29.22	8.2	414	0.97	49	600
BAS 1.40	635	-2.89	-4.02	33.12	11	412	1.9	64	410
BAS 1.35	630	-2.57	-4.08	27.14	7.9	412	1.1	45	570
BAS 1.30	625	-2.11	-4.04	32.05	8.7	416	1.3	55	630
BAS 1.20	615	-0.32	-4.27	23.28	11	419	1.5	64	590
BAS 1.15	610	0.71	-4.84	30.22	11	413	1.5	66	620
BAS 1.10	605	0.74	-4.87	30.04	11	413	1.9	68	620
BAS 1.05	600	0.71	-4.96	28.81	12	418	2.3	77	630
BAS 1.00	595	0.16	-5	30.9	11	415	1.7	66	610
BAS 0.90	585	-0.38	-3.73	20.77	11	413	1.6	68	610
BAS 0.85	580	-0.23	-4.13	14.89	12	416	1.9	76	650
BAS 0.80	575	-0.2	-4.79	21.8	9.7	414	1.5	64	660
BAS 0.75	570	-0.01	-4.81	22.6	13	417	1.9	83	630
BOM II 165	565	-1.87	-4.65	33.93	7.19	418	1.95	34.45	476
BOM II 155	555	1	-4.77	35.65	8.66				
BOM II 145	545	1.57	-5.92	42.3	9.06	415	2.52	41.08	496
BOM II 135	535	1.25	-5.56	28.84	9.93				
BOM II 125	525	1.12	-5.51	22.07	8.55	418	2.94	39.97	470
BOM II 115	515	1.17	-4.83	21.88	7.79				
BOM II 105	505	1.04	-5.17	23.98	6.47	417	1.99	28.11	427
BOM II 100	500	1.06	-5.07	25.63	7.55				
BOM II 90	490	0.77	-5.24	25.55	7.12	415	1.44	31.23	481
BOM II 80	480	0.42	-4.58	18.49	6.76				
BOM II 70	470	0.65	-4.04	19.72	10.24	416	2.28	43.4	370
BOM II 60	460	-0.44	-4.53	19.73	8.72				
BOM II 50	450	0.01	-3.76	17.72	7.63	417	2.5	35.14	414
BOM II 37.5	437.5	-0.35	-4.39	18.62	8.69				
BOM II 25	425	-0.53	-4.81	19.8	12.32	414	3.99	51.76	345

Sample ID	depths (cm)	$\delta^{13}\text{C}$	$\delta^{18}\text{O}$	% Carbonate	% TOC	Tmax	S1	S2	HI
BOM II 12.5	412.5	-1.24	-4.17	17.28	10.27				
BOM II 0	400	-1.85	-4.11	19.1	12.51	414	3.69	53.04	424
OPZ E 125	360	-4.67	-6.31	7.22	14.26	411	3.29	49.32	318
OPZ E 120	355	-5.43	-5.3	14.77	21.69				
OPZ E 115	350	-5.55	-5.44			416	3.23	59.62	356
OPZ E 110	345	-6.39	-6.71	2.07	19.08				
OPZ E 105	340	-4.86	-5.5			416	3.22	56.26	340
OPZ E 100	335	-7.14	-6.46	1.49	13.08				
OPZ E 95	330	-5.94	-5.87			410	2.48	44.05	357
OPZ E 90	325			0.85	9.69				
OPZ E 85	320					425	1.43	10.78	221
OPZ E 80	315			1.16	17.72				
OPZ E 75	310					412	2.78	44.73	416
OPZ E 70	305			0.93	13				
OPZ E 65	300					413	3.32	50.92	383
OPZ E 60	295			0.9	6.16				
OPZ E 55	290					420	2.8	42.56	339
OPZ E 50	285			1.13	11.38	407	1.91	40.48	312
OPZ E 30	265			0.98	14.55	409	2.51	54.5	329
OPZ E 25	260					409	1.74	43.1	382
OPZ I 40	260	-5.07	-6.03	1.4	2.64	423	0.61	3.95	293
OPZ I 35	255	-4.75	-5.23	20.3	5.42	427	0.66	16.42	276
OPZ I 30	250	-4.83	-4.31	17.4	7.99	421	1.16	29.69	369
OPZ I 25	245	-4.89	-5.07	26.92	11.95	415	2.51	50.95	463
OPZ I 20BASE	240			3.92	8.71	423	1.04	30.47	372
OPZ I 20TOP	230	-6.25	-5.15	1.29	2.12	425	1.03	3.87	189
OPZ I 15	225	-6.9	-4.23	1.22	2.02	426	0.81	3.13	185
OPZ I 10	220	-6.28	-4.54	11.07	3.14	428	1.09	7.1	234
OPZ I 5	215			0.89	1.48	428	0.59	1.88	142
OPZ I 0	210			0.79	2.31	429	1.05	3.59	163
OPZT 70	200	-6.93	-1.49	15.66	0.37	426	0.43	0.24	100
OPZT 60E	190	-1.05	-3.18	10.99	0.35	438	0.26	0.18	78
OPZT 50	180	-0.23	-4.21	12.79	0.27		0.2	0.06	46
OPZT 40	170	0.09	-3.86	6.57	0.39		0.19	0.09	53
OPZT 30	160	0.32	-3.46	5.06	0.26		0.17	0.04	13
OPZT 20	150			0.46	0.34	429	0.71	0.09	36
OPZT 10	140	2.46	4.15	0.47	0.4		0.49	0.36	75
OPZWTrans	135	1	-5.33	59.13	1.35				
OPZW Ba 3	130			0.53	0.43				
OPZW Ba 2	125	-1.31	-0.51	0.74	1.09				
OPZW Ba 1	120	0.29	1.19	0.63	1.28				
OPZW BI 4	115			0.51	0.63				
OPZW BI 3	106	-1.67	-2.15	0.42	0.66				
OPZW BI 2	98	-3.17	-1.95	0.44	0.54				
OPZW BI 1	90	-4.28	-2.65	2.4	0.97				
OPZW - YL	85	-0.33	-4.04	0.45	0.41				
OPZW 80	80	-0.4	-1.27	0.47	0.5				
OPZW 70	70	-0.39	-4.03						
OPZW 60	60	-0.33	-4.96	15.7	0.45				
OPZW 50	50	-0.45	-4.23						
OPZW 40	40	-0.31	-3.35	15.04	0.65				
OPZW 30	30	-0.28	-4.01						
OPZW 20	20	-0.1	-3.68	15.04	0.54				
OPZW 0	0	-0.14	-3.24	12.46	0.74				