

Table 2. Localities and data used in the PRISM2 marine reconstruction.

	Locality	Latitude	Longitude	Modern SST ¹			Pliocene SST		PRISM•2 SST		PRISM•1 SST ²		Method ³	Avg. Res. ⁴	Paleomag. ⁵	References
				Feb	Dec-Mar	Aug	Feb	Aug	Feb	Aug	Feb	Aug				
1	DSDP 310	36.87	-176.90	14.06	-	24.15	17.06	26.15	3.0	2.0	3.0	2.0	Semi	~20	no	Keller (1978), Poore (1998)
2	ODP 886C	44.69	-168.24	7.27	-	14.85	4.67	17.95	-2.6	3.1	2.0	2.5	Quant	>100	yes	Barron (1997) (unpublished)
3	DSDP 183	54.58	-161.21	2.88	-	11.31	1.68	13.61	-1.2	2.3	-	-	Quant	75	no	Barron (1997) (unpublished)
4	E 14-8	-59.67	-160.29	3.70	3.08	1.22	>4.6	-	>0.9	-	-	-	Quant	12	yes	Barron (1996b)
5	Colvillian	70.29	-150.42	-1.79	-	-1.78	0.21	2.22	2	4	2.0	4.0	Semi	NC	yes	Cronin et al. (1993), Brouwers (1994)
6	ODP 887A	54.37	-148.45	4.08	-	12.25	6.08	13.25	2-3	0-2	2-3.5	0-2.5	Qual	11	yes	Dowsett & Ishman (1995)
7	DSDP 573	0.49	-133.30	25.62	-	24.90	24.62	24.70	-1	-0.2	-1.0	-0.2	Quant	14	yes	Hays et al. (1989)
8	DSDP 36	40.98	-130.12	11.71	-	17.88	13.71	19.88	2.0	2.0	2.0	>2.0	Quant	NC	no	Poore (1999)
9	E 13-17	-65.68	-124.11	1.10	-0.39	-1.49	<5.5	-	<4.4	-	-	-	Quant	20	yes	Barron (1996b)
10	Meighen Island	79.00	-99.00	-1.79	-	-1.79	0.21	3.21	2.0	5.0	2.0	5.0	Qual	NC	yes	Cronin et al. (1993)
11	DSDP 323	-63.68	-97.99	3.19	2.71	0.44	>4.39	-	>1.2	-	>1.4	>1.8	Quant	~50	no	Barron (1996b)
12	Sarasota	27.25	-82.66	20.48	-	29.36	19.88	26.96	-0.6	-2.4	-0.6	-2.4	Quant	~10-50	yes	Cronin (1991a)
13	Pinecrest Beds	27.35	-82.43	20.48	-	29.36	20.48	29.36	0	0	0.0	0.0	Quant	~10-50	yes	Willard et al. (1993)
14	Cayo Aqua	9.15	-82.05	27.99	-	28.38	27.99	29.50	0	1.12	0.0	<2.8	Quant	~10-50	no	Cronin (1991a)
15	SEFlor(G-182)	25.78	-80.28	23.34	-	29.57	21.34	30.00	-2.00	<1.5	-2.0	2.0	Quant	NC	no	Cronin (1991a)
16	DSDP 502	11.49	-79.38	26.65	-	28.10	27.80	27.57	1.15	-0.53	0.2	-0.1	Quant	11	yes	Dowsett & Poore (1991)
17	Duplin	34.00	-79.00	20.41	-	28.57	19.71	28.17	-0.7	-0.4	-0.7	-0.4	Quant	10-50	no	Cronin (1991a)
18	Lee Creek	35.38	-76.75	14.46	-	27.03	16.76	30.13	2.3	3.1	2.3	3.1	Quant	NC	no	Cronin (1991a)
19	Yorktown	37.00	-76.50	10.11	-	25.93	15.31	27.73	5.2	1.8	5.2	1.8	Quant	NC	no	Dowsett & Wiggs (1991), Cronin (1991a)
20	DSDP 603	35.49	-70.03	19.94	-	27.08	25.24	27.53	5.3	0.45	5.4	0.5	Quant	33	yes	Dowsett & Poore (1991)
21	DSDP 541	15.52	-58.72	25.97	-	28.11	27.84	27.56	1.87	-0.55	-	-	Quant	34	no	Dowsett & Polanco (1992), PRISM (1996)
22	ODP 672A	15.50	-58.50	25.97	-	28.11	27.57	26.88	1.6	-1.23	0.7	0.7	Quant	16	no	PRISM (1996)
23	ODP 646B	58.25	-48.33	2.15	-	7.37	3.62	9.54	1.47	2.17	0.0	0.0	Semi	12	yes	de Vernal and Mudie (1989b), Dowsett & Poore (1991)
24	DSDP 396A	22.90	-43.50	23.46	-	26.39	24.75	27.53	1.29	1.14	0.2	0.7	Quant	49	no	PRISM (1996)
25	ODP 695A	-62.39	-43.45	0.05	-0.67	-1.79	<4.72	-	<4.67	-	<4.4	<2.8	Quant	14	yes	Barron (1996a)
26	DSDP 606	37.34	-35.50	16.50	-	24.37	17.58	25.63	1.08	1.26	2.0	2.6	Quant	10	yes	Dowsett & Poore (1991)
27	DSDP 516	-30.27	-35.28	23.98	-	18.48	25.98	20.48	2.0	2.0	2.0	2.0	Semi	50	yes	Dowsett (unpublished)
28	DSDP 607	41.00	-32.96	15.34	-	22.86	15.32	22.55	-0.02	-0.31	-	-	Quant	22	yes	Dowsett & West (1992), PRISM (1996)
29	ODP 699A	-51.54	-30.68	3.83	3.34	1.00	5.83	-	2.0	-	>1.5	>1.5	Quant	16	yes	Morley in Barron (1996a)
30	DSDP 410	45.51	-29.48	13.34	-	19.21	16.14	24.96	2.80	5.75	1.0	3.4	Quant	55	no	PRISM (1996)
31	DSDP 609B	49.88	-24.24	11.48	-	16.55	20.49	28.57	9.01	12.02	-	-	Quant	10	yes	PRISM (1996)
32	DSDP 552	56.04	-23.23	9.07	-	13.33	12.36	21.11	3.29	7.78	3.6	7.9	Quant	15	yes	Dowsett & Poore (1990,1991)
33	DSDP 608	42.84	-23.09	13.68	-	20.70	17.76	25.60	4.08	4.90	-	-	Quant	8	yes	PRISM (1996)
34	ODP 667A	4.55	-21.90	27.34	-	26.81	27.28	26.79	-0.06	-0.02	0.5	0.0	Quant	14	no	Dowsett & Poore (1991)
35	ODP 659A	18.08	-21.03	20.94	-	24.47	22.26	27.66	1.32	3.19	-	-	Quant	19	no	Foley & Dowsett (1992), PRISM (1996)
36	DSDP 366A	5.68	-19.85	27.32	-	26.81	27.84	27.20	0.52	0.39	-	-	Quant	100	no	PRISM (1996)
37	ODP 661A	9.45	-19.39	24.81	-	26.91	27.12	26.72	2.31	-0.19	-	-	Quant	10	yes	PRISM (1996)
38	DSDP 610A	53.22	-18.89	10.49	-	14.98	14.16	24.33	3.67	9.35	-	-	Quant	10	yes	PRISM (1996)
39	Tjornes	66.16	-17.25	1.35	-	7.38	5.35	13.58	4.0	6.2	4.0	6.2	Quant	NC	yes	Cronin (1991a,b)
40	ODP 693A	-70.83	-14.57	-0.92	-	-1.79	<4.28	-	<5.2	-	<5.5	>0.1	Quant	45	no	Barron (1996b)
41	DSDP 548	48.85	-12.00	11.34	-	17.18	18.31	27.62	6.97	10.44	6.7	9.7	Quant	13	no	Dowsett & Poore (1991), Dowsett & Loubere (1992)
42	DSDP 521	-26.07	-10.27	24.74	-	19.45	26.74	21.45	2.00	2.00	>2.0	>2.0	Quant	11	yes	Poore (unpublished)
43	DSDP 546	33.80	-9.60	16.73	-	22.33	19.11	24.17	2.38	1.84	-	-	Quant	45	no	Dowsett & Polanco (1992), PRISM (1996)
44	ODP 690B	-65.16	1.21	0.90	-0.12	-1.79	<5.80	-	<4.1	-	<3.5	>0.2	Quant	12	yes	Barron (1996b)
45	North Sea	52.50	1.50	5.71	-	16.34	10.41	16.74	4.7	0.4	4.7	0.4	Quant	NC	no	Wood et al. (1993)
46	ODP 704B	-46.88	7.42	7.07	-	4.81	9.57	7.31	2.5	2.5	2.5	2.5	Quant	10	yes	Dowsett (unpublished)
47	PS1448	-58.64	7.92	1.06	0.20	-1.75	<2.03	-	<3.09	-	>3.2	>3.4	Qual	~40	yes	Barron (1996b)
48	DSDP 532	-19.74	10.52	20.88	-	15.79	22.68	17.59	1.8	1.8	1.8	1.8	Semi	50	yes	Dowsett & Willard (1996)
49	DSDP 132	40.25	11.43	13.78	-	25.04	15.38	26.64	1.60	1.60	-	-	Quant	~50	no	Thunell (1979a,b)
50	Punta di Maiata	37.33	13.50	14.62	-	25.75	17.50	21.27	2.88	-4.48	-	-	Quant	NC	no	Spaak (1983)
51	Punta Piccola	37.33	13.58	14.62	-	25.75	18.84	23.88	4.22	-1.87	-	-	Quant	NC	no	Spaak (1983)
52	Finikia	35.25	25.17	15.41	-	24.31	16.14	19.90	0.73	-4.41	-	-	Quant	NC	no	Spaak (1983)
53	ODP 722	16.62	59.80	25.00	-	24.77	26.05	27.04	1.05	2.27	-	-	Quant	20	yes	Dowsett (unpublished)
54	ODP 736C	-49.40	71.66	4.48	4.02	1.77	<7.48	-	<3.0	-	<2.5	<3.0	Qual	~25	no	Barron (1997) (unpublished)
55	ODP 747	-54.81	76.79	2.41	1.94	0.14	>4.51	-	>2.1	-	>2.0	>2.0	Quant	36	yes	Barron (1996a)
56	ODP 748	-58.44	78.98	1.44	0.78	-1.70	<4.64	-	<3.2	-	<4.0	<3.5	Semi	~300	yes	Mackensen (1992); Barron (1996a)
57	ODP 751	-57.73	79.81	1.69	1.07	-1.33	<4.59	-	<2.9	-	3.0	3.0	Quant	40	no	Barron (1996a)
58	ODP 745B	-59.60	85.86	1.84	1.15	-1.55	<4.74	-	<2.9	-	2.5	3.5	Quant	80	yes	Barron (1997) (unpublished)
59	DSDP 266	-56.40	110.11	3.48	2.85	0.66	>4.68	-	>1.2	-	>2.4	>3.0	Quant	100	no	Barron (1996a)
60	ODP 769	8.78	121.29	26.89	-	28.73	26.89	29.23	0	0.5	0.0	0.5	Quant	10	no	Dowsett & Robinson (1998)

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			Feb	Dec-Mar	Aug	Feb	Aug	Feb	Aug	Feb	Aug				
61 DSDP 445	25.52	133.20	20.98	-	28.46	22.98	29.46	2.0	1.0	2.0	1.0	Quant	16	yes	Dowsett & Robinson (1998)
62 Yabuta	37.00	137.00	9.86	-	24.95	9.86	24.95	0	0	0.0	0.0	Quant	10-20	no	Cronin et al. (1994)
63 Sasaoka	39.50	140.50	7.01	-	22.12	8.51	24.12	1.5	2.0	1.5	2.0	Quant	NC	no	Ikeya & Cronin (1993)
64 E50-28	-62.90	150.68	1.87	0.92	-1.69	<4.97	-	<3.1	-	<3.6	<3.7	Quant	50	yes	Barron (1996a)
65 E 36-33	-57.75	150.88	3.67	3.02	0.84	>4.67	-	>1.0	-	-	-	Quant	20	yes	Barron (1996b)
66 DSDP 579	38.63	153.84	12.03	-	23.33	17.53	27.73	5.5	4.4	2.5	1.0	Quant	28	yes	Koizumi (1985) (reinterpreted via Barron, 1995)
67 DSDP 580	41.63	153.98	6.19	-	19.79	12.39	23.09	6.2	3.3	4.5	2-3	Quant	12	yes	Barron (1995)
68 DSDP 586	-0.50	158.50	29.26	-	29.01	29.26	29.01	0	0	0.0	0.0	Qual	20	no	Jenkins (1992a,b)
69 ODP 806	0.31	159.36	29.16	-	29.00	29.01	29.00	-0.2	0.0	-	-	Quant	7	yes	Andersson (1997)
70 ODP 881C	47.10	161.49	2.44	-	12.11	4.34	15.91	1.9	3.8	0-3	2-3	Quant	10	yes	Barron (1995)
71 E. Kamchatka	56.00	163.00	0.11	-	11.35	4.11	10.85	4.0	-0.5	4.0	-0.5	Qual	NC	no	Gladenkov et al. (1991)
72 Karaginsky	58.85	164.04	-0.94	-	11.26	3.06	13.26	4.0	2.0	4.0	2.0	Qual	NC	yes	Gladenkov et al. (1991)
73 DSDP 592	-36.47	165.44	20.33	-	15.11	22.33	17.11	2.0	2.0	-	-	Quant	13	yes	Robinson and Dowsett (1996)
74 ODP 883C	51.20	167.77	2.71	-	10.38	3.21	14.88	0.5	4.5	0-1	4.0	Quant	4	yes	Barron (1995)
75 E 50-33	-61.09	170.06	4.00	3.25	0.24	>4.50	-	>0.5	-	-	-	Quant	33	yes	Barron (1996b)
76 DSDP 274	-68.99	173.43	-0.48	-	-1.79	<4.52	-	<5.0	-	<5.0	>0.2	Quant	15	no	Fleming & Barron (1996) via Barron (1996b)
77 Rangitikei R.	-39.50	175.87	17.97	-	13.23	19.97	15.23	2.0	2.0	-	-	Semi	NC	yes	Dowsett and Ishman (unpublished)

¹ Modern SST from Reynolds and Smith (1995).² From Dowsett et al. (1996)³ Indicates SST estimate via quantitative, semiquantitative, or qualitative methods.⁴ Average sample resolution (in k.y.) for the PRISM time slab unless otherwise noted. NC = not calculated due to variable sedimentation rates, sparse stratigraphic sampling, or inadequate chronology.⁵ All sites have biostratigraphy; sites indicated with "Magn" have magnetostratigraphy.