Nicolo et al.,
Multiple early Eocene Hyperthermals, New Zealand
Figure DR1

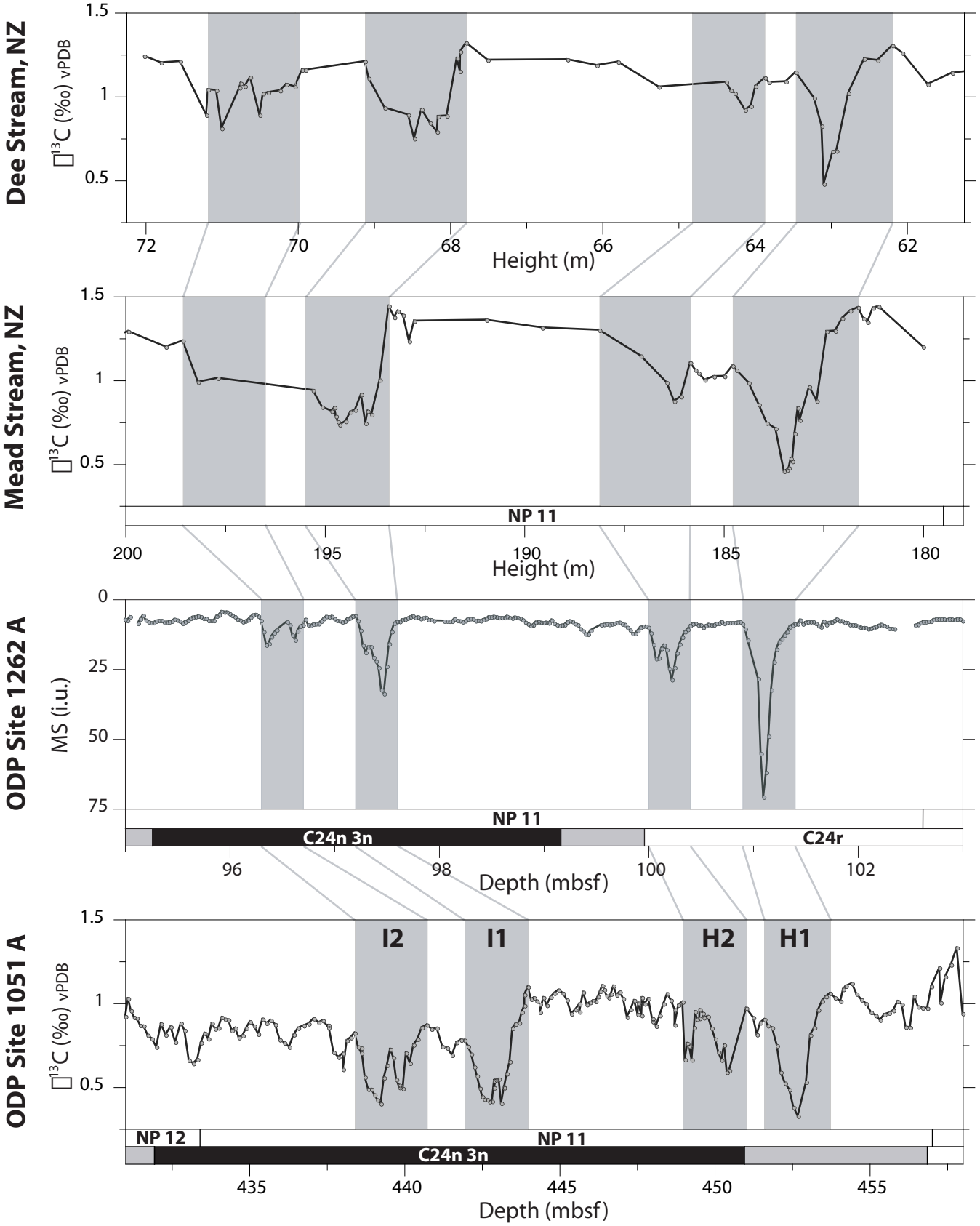

TABLE DR2. EARLY EOCENE CIE AGES

Event	Age used in this study (Ma)*	Source	Alternative age (Ma)†	Source	Mead Stream height (m)	Dee Stream height (m)	1051A/B depth (mbsf)§	1051 depth (mcd)	1262A depth (mbsf)	1262 depth (mcd)
PETM onset	55.67	Lourens et al., 2005	55.67	Lourens et al., 2005	157.60	26.00	§512.90	539.44	121.89	140.00
PETM conclusion	55.47	Röhl et al., 2000#	55.60	Cramer et al., 2003	162.72	29.85	§510.60	537.14	121.04	139.15
H1 onset	53.62	Lourens et al., 2005	54.36	Cramer et al., 2003	181.63	62.19	453.73	474.05	101.40	117.45
H1 conclusion	53.57	this study	54.28	Cramer et al., 2003	184.78	63.46	451.61	471.93	100.90	116.95
H2 onset	53.52	this study	54.25	Cramer et al., 2003	185.84	63.87	451.03	471.35	100.40	116.45
H2 conclusion	53.48	this study	54.18	Cramer et al., 2003	188.12	64.82	448.97	469.29	100.00	116.05
I1 onset	53.26	this study	53.98	Cramer et al., 2003	193.40	67.79	443.99	464.31	97.60	113.65
I1 conclusion	53.22	this study	53.92	Cramer et al., 2003	195.50	69.12	441.95	462.27	97.20	113.25
I2 onset	53.18	this study	53.87	Cramer et al., 2003	196.50	70.04	440.73	461.05	96.70	112.75
I2 conclusion	53.14	this study	53.79	Cramer et al., 2003	198.56	71.18	438.40	458.72	96.30	112.35

*One of two ages proposed by Lourens et al. (2005) for the onset of the PETM serves as the base age in our model. The PETM conclusion age was set by subtracting a proposed PETM duration (Röhl et al., 2000) from the noted PETM onset.
†Alternative event ages are proscribed from a floating age model (Cramer et al., 2003) constrained by a proposed PETM onset age (Lourens et al., 2005).

[§]Denotes 1051 B depths.

[#]Röhl, U., Bralower, T. J., Norris, R. D., and Wefer, G., 2000, New chronology for the late Paleocene thermal maximum and its environmental implications: Geology, v. 28, no. 10, p. 927-930.

TABLE DR1. LITHOLOGIC AND ISOTOPIC RESULTS

Location	Field No.	NZFR (P30/)	Rock Type*	Height (m)	$CaCO_3$ (%)	$\delta^{13}C$ (‰)	$\delta^{18}O$ (‰)	Source
Dee Stream	DS2-F12	f1237	M	93.95	N.D.	0.80	N.D.	Hancock et al., 2003
Dee Stream	DS2-G20	f1238	L	92.45	N.D.	0.88	N.D.	Hancock et al., 2003
Dee Stream	DS2-G18	f1241	L	90.25	N.D.	0.80	N.D.	Hancock et al., 2003
Dee Stream	DS2-F10	f1242	M	89.75	N.D.	0.63	N.D.	Hancock et al., 2003
Dee Stream	DS-F21	f1243	M	88.21	N.D.	0.40	N.D.	Hancock et al., 2003
Dee Stream	DS2-G16	f1246	L	83.65	N.D.	0.89	N.D.	Hancock et al., 2003
Dee Stream	DS-F20	f1247	M	83.45	N.D.	0.88	N.D.	Hancock et al., 2003
Dee Stream	DS-F19	f1248	M	80.09	N.D.	0.83	N.D.	Hancock et al., 2003
Dee Stream	DS-F18	f1249	M	77.20	N.D.	1.20	N.D.	Hancock et al., 2003
Dee Stream	DS2-G13	f1250	L	77.10	N.D.	1.15	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B119	N.A.	L	72.02	N.D.	1.24	-3.27	this study
Dee Stream	DEE ES-2 B116	N.A.	L	71.80	N.D.	1.20	-3.35	this study
Dee Stream	DEE ES-2 B114	N.A.	L	71.55	N.D.	1.21	-3.36	this study
Dee Stream	DS2-G10	f1255	L	71.20	N.D.	0.89	N.D.	Hancock et al., 2003
Dee	DEE ES-2	N.A.	L	71.18	N.D.	1.04	-3.25	this study

Dee Stream	DS2-G9	f1257	L	70.75	N.D.	1.08	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B107 8-15	N.A.	L	70.70	N.D.	1.06	-3.41	this study
Dee Stream	DEE ES-2 B107 0-9	N.A.	L	70.63	N.D.	1.12	-3.31	this study
Dee Stream	DS2-F22	f1258	M	70.50	N.D.	0.89	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B105	N.A.	ML	70.46	N.D.	1.02	-3.26	this study
Dee Stream	DEE ES-2 B104 15-23	N.A.	L	70.39	N.D.	1.02	-3.08	this study
Dee Stream	DEE ES-2 B104 0-7	N.A.	L	70.24	N.D.	1.04	-3.15	this study
Dee Stream	DEE ES-2 B103	N.A.	L	70.15	N.D.	1.07	-3.09	this study
Dee Stream	DEE ES-2 B101	N.A.	ML	70.04	N.D.	1.06	-3.29	this study
Dee Stream	DEE ES-2 B99	N.A.	L	69.95	N.D.	1.16	-3.13	this study
Dee Stream	DS2-G8	f1262	L	69.90	N.D.	1.16	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B92	N.A.	L	69.12	N.D.	1.21	-3.08	this study
Dee Stream	DS2-G7	f1263	L	69.07	N.D.	1.11	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B90	N.A.	L	68.86	N.D.	0.93	-3.16	this study
Dee Stream	DEE ES-2 B86 12-18	N.A.	L	68.55	N.D.	0.89	-3.15	this study
Dee Stream	DS2-G6	f1266	L	68.47	N.D.	0.75	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B85	N.A.	ML	68.38	N.D.	0.92	-3.24	this study

Dee Stream	DEE ES-2 B81	N.A.	ML	68.05	N.D.	0.89	-3.16	this study
Dee Stream	DEE ES-2 B79	N.A.	ML	67.91	N.D.	1.23	-3.36	this study
Dee Stream	DS-G25	f1271	L	67.87	N.D.	1.15	N.D.	Hancock et al., 2003
Dee Stream	DEE ES-2 B78	N.A.	L	67.87	N.D.	1.27	-3.25	this study
Dee Stream	DEE ES-2 B77	N.A.	L	67.79	N.D.	1.32	-3.21	this study
Dee Stream	DEE ES-2 B74	N.A.	L	67.51	N.D.	1.22	-3.19	this study
Dee Stream	DEE ES-2 B66	N.A.	L	66.46	N.D.	1.22	-3.24	this study
Dee Stream	DEE ES-2 B62	N.A.	L	66.08	N.D.	1.19	-3.04	this study
Dee Stream	DEE ES-2 B58	N.A.	L	65.80	N.D.	1.21	-2.99	this study
Dee Stream	DEE ES-2 B55	N.A.	L	65.26	N.D.	1.06	-3.07	this study
Dee Stream	DEE ES-1 B44	N.A.	L	64.38	N.D.	1.09	-2.89	this study
Dee Stream	DEE ES-1 B43	N.A.	L	64.32	N.D.	1.04	-3.23	this study
Dee Stream	DEE ES-1 B42	N.A.	L	64.26	N.D.	1.02	-2.93	this study
Dee Stream	DEE ES-1 B40	N.A.	L	64.13	N.D.	0.92	-3.02	this study
Dee Stream	DEE ES-1 B39	N.A.	L	64.05	N.D.	0.94	-3.10	this study
Dee Stream	DEE ES-1 B38	N.A.	L	63.99	N.D.	1.06	-3.10	this study
Dee	DEE ES-1	N.A.	L	63.87	N.D.	1.11	-2.92	this study

Dee Stream	DEE ES-1 B30 Top	N.A.	L	63.22	N.D.	0.99	-3.26	this study
Dee Stream	DEE ES-1 B30 Bottom	N.A.	L	63.12	N.D.	0.83	-3.39	this study
Dee Stream	DS2-F7	f1275	M	63.09	N.D.	0.48		Hancock et al., 2003
Dee Stream	DEE ES-1 B28 Top	N.A.	L	62.98	N.D.	0.67	-3.28	this study
Dee Stream	DEE ES-1 B28 Bottom	N.A.	L	62.93	N.D.	0.68	-3.29	this study
Dee Stream	DEE ES-1 B26	N.A.	L	62.77	N.D.	1.02	-3.14	this study
Dee Stream	DEE ES-1 B21	N.A.	L	62.56	N.D.	1.23	-3.10	this study
Dee Stream	DEE ES-1 B18	N.A.	L	62.39	N.D.	1.22	-3.19	this study
Dee Stream	DEE ES-1 B14	N.A.	L	62.19	N.D.	1.30	-3.19	this study
Dee Stream	DEE ES-1 B11	N.A.	L	62.06	N.D.	1.26	-3.22	this study
Dee Stream	DEE ES-1 B5	N.A.	L	61.73	N.D.	1.07	-3.16	this study
Dee Stream	DEE ES-1 B1	N.A.	L	61.41	N.D.	1.14	-3.12	this study
Dee Stream	DS-G23	f1278	L	60.86	N.D.	1.17	N.D.	Hancock et al., 2003
Dee Stream	DS2-F8	f1279	M	59.53	N.D.	1.28	N.D.	Hancock et al., 2003
Dee Stream	DS-G22	f1282	L	55.66	N.D.	1.34	N.D.	Hancock et al., 2003
Dee Stream	DS-F15	f1284	M	52.25	N.D.	1.55	N.D.	Hancock et al., 2003
Dee Stream	DS-G21	f1285	L	50.32	N.D.	1.67	N.D.	Hancock et al., 2003

Dee Stream	DS-G17	f1291	L	31.89	N.D.	1.63	N.D.	Hancock et al., 2003
Dee Stream	DSPE-36C	N.A.	L	29.93	N.D.	1.58	N.D.	this study
Dee Stream	DSPE-36B	N.A.	L	29.89	N.D.	1.62	N.D.	this study
Dee Stream	DSPE-36A	N.A.	L	29.85	N.D.	1.56	N.D.	this study
Dee Stream	DSPE-33B	N.A.	L	29.32	N.D.	1.51	N.D.	this study
Dee Stream	DSPE-33A	N.A.	L	29.27	N.D.	1.49	N.D.	this study
Dee Stream	DSPE-27B	N.A.	L	28.56	N.D.	1.48	N.D.	this study
Dee Stream	DSPE-27A	N.A.	L	28.53	N.D.	1.51	N.D.	this study
Dee Stream	DSPE-26B	N.A.	L	27.99	N.D.	1.34	N.D.	this study
Dee Stream	DSPE-26A	N.A.	L	27.95	N.D.	1.35	N.D.	this study
Dee Stream	DSPE-25C	N.A.	L	27.68	N.D.	1.24	N.D.	this study
Dee Stream	DSPE-25B	N.A.	L	27.65	N.D.	1.18	N.D.	this study
Dee Stream	DSPE-25A	N.A.	L	27.61	N.D.	1.20	N.D.	this study
Dee Stream	DSPE-24B	N.A.	L	27.43	N.D.	1.16	N.D.	this study
Dee Stream	DSPE-24A	N.A.	L	27.38	N.D.	1.16	N.D.	this study
Dee Stream	DSPE-23	N.A.	L	27.10	N.D.	1.09	N.D.	this study
Dee St	DSPE-22B	N.A.	L	27.01	N.D.	1.16	N.D.	this study

Dee Stream	DSPE-20B	N.A.	ML	26.71	N.D.	0.64	N.D.	this study
Dee Stream	DSPE-20A	N.A.	ML	26.67	N.D.	0.76	N.D.	this study
Dee Stream	DSPE-19C	N.A.	ML	26.53	N.D.	0.66	N.D.	this study
Dee Stream	DSPE-19B	N.A.	ML	26.50	N.D.	0.79	N.D.	this study
Dee Stream	DSPE-19A	N.A.	ML	26.44	N.D.	0.76	N.D.	this study
Dee Stream	DSPE-18B	N.A.	ML	26.33	N.D.	0.94	N.D.	this study
Dee Stream	DSPE-18A(C)	N.A.	ML	26.29	N.D.	1.03	N.D.	this study
Dee Stream	DSPE-18A(B)	N.A.	ML	26.26	N.D.	1.14	N.D.	this study
Dee Stream	DSPE-18A(A)	N.A.	ML	26.22	N.D.	1.33	N.D.	this study
Dee Stream	DSPE-17A	N.A.	ML	25.97	N.D.	2.05	N.D.	this study
Dee Stream	DSPE-15D	N.A.	L	25.82	N.D.	2.13	N.D.	this study
Dee Stream	DSPE-15C	N.A.	L	25.78	N.D.	2.04	N.D.	this study
Dee Stream	DSPE-15B	N.A.	L	25.74	N.D.	2.04	N.D.	this study
Dee Stream	DSPE-15A	N.A.	L	25.69	N.D.	1.97	N.D.	this study
Dee Stream	DSPE-14B	N.A.	L	25.63	N.D.	2.07	N.D.	this study
Dee Stream	DSPE-14A	N.A.	L	25.59	N.D.	2.00	N.D.	this study
Dee Stream	DSPE-13B	N.A.	L	25.37	N.D.	2.09	N.D.	this study

Dee Stream	DS-G12	f1306	L	23.35	N.D.	2.65	N.D.	Hancock et al., 2003
Dee Stream	DS-F10	f1307	M	23.29	N.D.	2.58	N.D.	Hancock et al., 2003
Dee Stream	DS-G10	f1308	L	22.70	N.D.	3.00	N.D.	Hancock et al., 2003
Dee Stream	DS-F8	f1309	M	21.82	N.D.	2.93	N.D.	Hancock et al., 2003
Dee Stream	DS-G9	f1310	L	18.05	N.D.	3.35	N.D.	Hancock et al., 2003
Dee Stream	DS-F7	f1311	M	17.40	N.D.	3.14	N.D.	Hancock et al., 2003
Dee Stream	DS-F6	f1313	M	14.26	N.D.	3.11	N.D.	Hancock et al., 2003
Dee Stream	DS-G8	f1314	L	13.85	N.D.	3.26	N.D.	Hancock et al., 2003
Dee Stream	DS-F5	f1315	M	11.04	N.D.	3.30	N.D.	Hancock et al., 2003
Dee Stream	DS-G7	f1316	L	10.06	N.D.	3.48	N.D.	Hancock et al., 2003
Dee Stream	DS-F4	f1322	M	5.93	N.D.	3.12	N.D.	Hancock et al., 2003
Dee Stream	DS-G6	f1327	L	5.18	N.D.	3.64	N.D.	Hancock et al., 2003
Dee Stream	DS-G5	f1331	L	1.14	N.D.	3.58	N.D.	Hancock et al., 2003
Dee Stream	DS-G4	f1333	L	0.41	N.D.	3.55	N.D.	Hancock et al., 2003
Dee Stream	DS-G3	f1334	L	0.10	N.D.	3.45	N.D.	Hancock et al., 2003
Dee Stream	DS-G2	f1336	L	-0.10	N.D.	3.21	N.D.	Hancock et al., 2003
Dee	DS-F3	f1337	M	-0.30	N.D.	3.46	N.D.	Hancock et

Dee Stream	DS-G1	f1343	L	-4.68	N.D.	2.12	N.D.	Hancock et al., 2003
Mead Stream	MD77	f538		250.00	N.D.	1.51	N.D.	Hollis et al., 2005
Mead Stream	MD LM 10.4	N.A.	L	211.87	N.D.	0.94	-3.02	this study
Mead Stream	MD LM 10.3	N.A.	L	211.72	N.D.	0.99	-3.17	this study
Mead Stream	MD LM 10.2 B	N.A.	L	211.62	N.D.	1.01	-3.27	this study
Mead Stream	MD LM 10.2 A	N.A.	L	211.52	N.D.	1.01	-3.32	this study
Mead Stream	MD LM 10.1	N.A.	L	211.45	N.D.	1.06	-3.33	this study
Mead Stream	MD LM 9.5	N.A.	L	211.07	N.D.	0.96	-3.36	this study
Mead Stream	MD LM 9.3	N.A.	L	210.95	N.D.	0.98	-3.26	this study
Mead Stream	MD LM 9.2	N.A.	L	210.79	N.D.	0.98	-3.19	this study
Mead Stream	MD79	N.A.		210.00	N.D.	1.34	N.D.	Hollis et al., 2005
Mead Stream	MS3-G41	f1236		208.65	N.D.	1.04	N.D.	Hollis et al., 2005
Mead Stream	MD EX-J	N.A.	L	200.83	83.7	1.20	-3.12	this study
Mead Stream	MD EX-I	N.A.	L	199.93	84.9	1.29	-3.03	this study
Mead Stream	MD EX-H	N.A.	L	198.99	86.7	1.20	-3.21	this study
Mead Stream	MD EX-G	N.A.	L	198.56	84.5	1.24	-3.14	this study
Mead St	MD EX-F	N.A.	L	198.18	88.5	0.99	-3.55	this study

Mead Stream	MD ES-2 B20	N.A.	M	194.83	83.6	0.82	-3.47	this study
Mead Stream	MD ES-2 B19	N.A.	L	194.76	79.7	0.84	-3.11	this study
Mead Stream	MD ES-2 B18	N.A.	L	194.72	79.2	0.79	-3.14	this study
Mead Stream	MD ES-2 B17	N.A.	L	194.68	76.9	0.75	-3.09	this study
Mead Stream	MD ES-2 B16	N.A.	L	194.63	78.4	0.74	-3.30	this study
Mead Stream	MD ES-2 B15	N.A.	L	194.58	76.7	N.D.	N.D.	this study
Mead Stream	MD ES-2 B14	N.A.	L	194.48	76.6	0.76	-3.47	this study
Mead Stream	MD ES-2 B13	N.A.	L	194.36	89.6	0.81	-3.79	this study
Mead Stream	MD ES-2 B12	N.A.	L	194.24	76.5	0.82	-3.35	this study
Mead Stream	MD ES-2 B11	N.A.	M	194.09	59.6	0.92	-2.65	this study
Mead Stream	MD ES-2 B10	N.A.	L	193.98	79.7	0.74	-3.45	this study
Mead Stream	MD ES-2 B9	N.A.	L	193.93	81.3	0.82	-3.45	this study
Mead Stream	MD ES-2 B8	N.A.	L	193.83	83.5	0.80	-3.71	this study
Mead Stream	MD ES-2 B7	N.A.	M	193.63	69.0	1.00	-2.88	this study
Mead Stream	MD ES-2 B6	N.A.	L	193.40	86.3	1.44	-3.33	this study
Mead Stream	MD ES-2 B5	N.A.	L	193.26	83.7	1.38	-3.17	this study
Mead St	MD ES-2 B4	N.A.	L	193.18	82.7	1.41	-3.21	this study

Mead Stream	MD EX-D	N.A.	L	190.95	86.8	1.36	-3.22	this study
Mead Stream	MD EX-C	N.A.	L	189.55	83.8	1.31	-3.06	this study
Mead Stream	MD EX-B	N.A.	L	188.12	81.3	1.30	-3.18	this study
Mead Stream	MD EX-A	N.A.	L	187.08	83.7	1.15	-3.44	this study
Mead Stream	MD EX-AA	N.A.	L	186.43	79.2	0.99	-3.53	this study
Mead Stream	MD ES-1 B32	N.A.	L	186.24	81.2	0.88	-3.45	this study
Mead Stream	MD ES-1 B30 9-19	N.A.	L	186.07	79.9	0.90	-3.24	this study
Mead Stream	MD ES-1 B29	N.A.	L	185.84	77.5	1.11	-3.00	this study
Mead Stream	MD ES-1 B28	N.A.	M	185.71	68.0	1.06	-2.74	this study
Mead Stream	MD ES-1 B27	N.A.	ML	185.63	79.7	1.04	-2.88	this study
Mead Stream	MD ES-1 B26 B	N.A.	L	185.48	79.1	1.00	-3.39	this study
Mead Stream	MD ES-1 B26 A	N.A.	L	185.25	81.0	1.02	-3.47	this study
Mead Stream	MD ES-1 B25	N.A.	L	184.98	79.6	1.02	-3.25	this study
Mead Stream	MD ES-1 B24	N.A.	L	184.78	82.2	1.09	-3.34	this study
Mead Stream	MD ES-1 B23	N.A.	L	184.68	80.7	1.06	-3.19	this study
Mead Stream	MD ES-1 B22 7-20	N.A.	L	184.38	77.2	0.99	-3.13	this study
Mead	MD ES-1 B21	N.A.	L	184.12	82.6	0.86	-3.34	this study

Mead Stream	MD ES-1 B16 5-10	N.A.	L	183.42	77.1	0.47	-3.64	this study
Mead Stream	MD ES-1 B16 0-5	N.A.	L	183.37	72.6	0.48	-3.69	this study
Mead Stream	MD ES-1 B15 B	N.A.	L	183.32	75.5	0.53	-3.55	this study
Mead Stream	MD ES-1 B15 A	N.A.	L	183.28	76.7	0.52	-3.84	this study
Mead Stream	MD ES-1 B14	N.A.	L	183.22	70.3	0.68	-3.37	this study
Mead Stream	MD ES-1 B13 2-10	N.A.	L	183.14	76.0	0.84	-3.60	this study
Mead Stream	MD ES-1 B13 0-2	N.A.	L	183.09	72.1	0.76	-3.46	this study
Mead Stream	MD ES-1 B11	N.A.	L	182.86	70.3	0.96	-3.83	this study
Mead Stream	MD ES-1 B10	N.A.	L	182.67	75.2	0.88	-3.74	this study
Mead Stream	MD ES-1 B9	N.A.	L	182.42	54.2	1.29	-3.03	this study
Mead Stream	MD ES-1 B8	N.A.	L	182.21	50.9	1.30	-3.11	this study
Mead Stream	MD ES-1 B7	N.A.	L	182.03	60.1	1.37	-2.91	this study
Mead Stream	MD ES-1 B6	N.A.	L	181.83	52.6	1.42	-3.41	this study
Mead Stream	MD ES-1 B5	N.A.	L	181.63	54.0	1.44	-2.86	this study
Mead Stream	MD ES-1 B4	N.A.	L	181.50	68.9	1.37	-3.21	this study
Mead Stream	MD ES-1 B3	N.A.	L	181.39	72.0	1.35	-3.26	this study
Mead St	MD ES-1 B2	N.A.	L	181.26	67.9	1.43	-3.05	this study

Mead Stream	MD-G25	f1150	RC	171.35	N.D.	1.49	N.D.	Hollis et al., 2005
Mead Stream	MD-G24	f1149	RC	170.36	N.D.	1.52	N.D.	Hollis et al., 2005
Mead Stream	MD-G23	f1148	RC	168.88	N.D.	1.61	N.D.	Hollis et al., 2005
Mead Stream	MD-G22	f1146	RC	167.09	N.D.	1.62	N.D.	Hollis et al., 2005
Mead Stream	MD-G21	f1145	RC	165.94	N.D.	1.68	N.D.	Hollis et al., 2005
Mead Stream	MD-G20	f1144	RC	165.16	N.D.	1.60	N.D.	Hollis et al., 2005
Mead Stream	MD-G19	f1143	RC	163.79	N.D.	1.63	N.D.	Hollis et al., 2005
Mead Stream	MD-G18	f1141	RC	162.72	N.D.	1.67	N.D.	Hollis et al., 2005
Mead Stream	MSPE135	f1222	RC	161.56	N.D.	1.40	-3.64	this study
Mead Stream	MSPE134	f1221	RC	161.43	N.D.	1.40	-3.76	this study
Mead Stream	MSPE133	f1220	RC	161.28	N.D.	1.38	-3.60	this study
Mead Stream	MSPE132	f1219	RC	161.10	N.D.	1.30	-3.34	this study
Mead Stream	MSPE131	f1218	RC	160.92	N.D.	1.28	-3.34	this study
Mead Stream	MSPE130	f1217	RC	160.73	N.D.	1.26	-3.59	this study
Mead Stream	MSPE129	f1216	RC	160.50	N.D.	1.19	-3.09	this study
Mead Stream	MSPE128	f1215	RC	160.33	N.D.	1.07	-3.36	this study
Mead Stream	MSPE127	f1214	RC	160.17	N.D.	1.10	-3.22	this study

Mead Stream	MSPE121	f1210	ML	159.50	N.D.	1.00	-3.32	this study
Mead Stream	MSPE120	f1209	ML	159.39	N.D.	0.87	-3.73	this study
Mead Stream	MSPE118	f1208	ML	159.18	N.D.	0.85	-3.62	this study
Mead Stream	MSPE117	f1207	ML	159.10	N.D.	0.75	-4.09	this study
Mead Stream	MSPE116	f1206	ML	159.00	N.D.	0.62	-4.10	this study
Mead Stream	MSPE114	f1205	ML	158.81	N.D.	0.62	-3.65	this study
Mead Stream	MSPE111B	f1204	ML	158.49	N.D.	0.69	-3.95	this study
Mead Stream	MSPE111A	f1203	ML	158.29	N.D.	0.81	-3.77	this study
Mead Stream	MSPE110C	f1202	ML	158.04	N.D.	0.88	-3.91	this study
Mead Stream	MSPE110B	f1201	ML	157.94	N.D.	1.09	-3.85	this study
Mead Stream	MSPE110A	f1200	M	157.84	N.D.	1.10	-3.79	this study
Mead Stream	MSPE107	f1399	M	157.60	N.D.	2.11	-3.59	this study
Mead Stream	MSPE106	f1398	L	157.50	N.D.	2.10	-3.57	this study
Mead Stream	MSPE104	f1397	L	157.38	N.D.	2.17	-3.25	this study
Mead Stream	MSPE103	f1396	L	157.33	N.D.	2.16	-3.16	this study
Mead Stream	MSPE102	f1395	L	157.29	N.D.	2.15	-3.24	this study
Mead Stream	MSPE101	f1394	L	157.25	N.D.	2.22	-3.43	this study

Mead Stream	MSPE96	f1390	L	156.90	N.D.	2.28	-3.53	this study
Mead Stream	MSPE94	f1389	L	156.76	N.D.	2.36	-3.08	this study
Mead Stream	MD-G10	f1124	L	156.40	N.D.	2.44	N.D.	Hollis et al., 2005
Mead Stream	MD-G9	f1123	L	155.59	N.D.	2.31	N.D.	Hollis et al., 2005
Mead Stream	MD-G8	f1121	L	154.71	N.D.	2.25	N.D.	Hollis et al., 2005
Mead Stream	MD-G7	f1119	L	153.90	N.D.	2.48	N.D.	Hollis et al., 2005
Mead Stream	MS/J1	f1107	L	153.69	N.D.	2.91	N.D.	Hollis et al., 2005
Mead Stream	MD-G6	f1117	L	152.89	N.D.	2.47	N.D.	Hollis et al., 2005
Mead Stream	MS/J2	f1106	L	151.96	N.D.	3.12	N.D.	Hollis et al., 2005
Mead Stream	MD-G5	f1115	L	151.80	N.D.	2.69	N.D.	Hollis et al., 2005
Mead Stream	MD-G4	f1113	L	151.01	N.D.	2.89	N.D.	Hollis et al., 2005
Mead Stream	MS/J3	f1105	L	150.34	N.D.	2.98	N.D.	Hollis et al., 2005
Mead Stream	MD-G3	f1112	L	150.09	N.D.	2.94	N.D.	Hollis et al., 2005
Mead Stream	MD-G2	f1110	L	149.14	N.D.	3.18	N.D.	Hollis et al., 2005
Mead Stream	MS/J4	f1104	L	148.73	N.D.	3.03	N.D.	Hollis et al., 2005
Mead Stream	MD-G1	f1109	L	148.31	N.D.	3.09	N.D.	Hollis et al., 2005
Mead Stream	MS/J5	f1103	L	147.11	N.D.	2.81	N.D.	Hollis et al., 2005

Mead Stream	MS/J39	f1098	L	141.47	N.D.	3.28	N.D.	Hollis et al., 2005
Mead Stream	MS/J38	f1097	L	141.33	N.D.	3.14	N.D.	Hollis et al., 2005
Mead Stream	MS/J8	f1096	L	140.40	N.D.	2.89	N.D.	Hollis et al., 2005
Mead Stream	MS/J37	f1095	L	140.01	N.D.	3.05	N.D.	Hollis et al., 2005
Mead Stream	MS/J36	f1093	L	139.42	N.D.	2.97	N.D.	Hollis et al., 2005
Mead Stream	MS/J9	f1092	L	138.78	N.D.	3.31	N.D.	Hollis et al., 2005
Mead Stream	MS/J35	f1091	L	138.45	N.D.	3.01	N.D.	Hollis et al., 2005
Mead Stream	MS/J33	f1088	L	138.04	N.D.	2.92	N.D.	Hollis et al., 2005
Mead Stream	MS/J28	f1086	L	137.60	N.D.	2.79	N.D.	Hollis et al., 2005
Mead Stream	MS/J24	f1080	L	137.09	N.D.	2.77	N.D.	Hollis et al., 2005
Mead Stream	MS/J12	f1075	L	136.79	N.D.	2.59	N.D.	Hollis et al., 2005
Mead Stream	MS/J13	f1074	L	136.63	N.D.	2.76	N.D.	Hollis et al., 2005
Mead Stream	MS/J15B	f1072	L	136.55	N.D.	2.76	N.D.	Hollis et al., 2005
Mead Stream	MS/J16	f1070	L	136.47	N.D.	2.91	N.D.	Hollis et al., 2005
Mead Stream	MS/J22	f1069	L	136.24	N.D.	3.00	N.D.	Hollis et al., 2005
Mead Stream	MS/J17	f1066	L	135.76	N.D.	3.02	N.D.	Hollis et al., 2005
Mead	MS/J20	f1065	L	135.44	N.D.	3.12	N.D.	Hollis et al.,

Mead Stream	MS/J31	f1059	L	118.03	N.D.	3.27	N.D.	Hollis et al., 2005
Mead Stream	MS/J30	f1058	L	117.08	N.D.	3.35	N.D.	Hollis et al., 2005
Mead Stream	MS/J29	f1057	L	116.35	N.D.	3.14	N.D.	Hollis et al., 2005
Mead Stream	MS23	f1054	L	115.63	N.D.	2.15	N.D.	Hollis et al., 2005
Mead Stream	MS26	f1050	M	115.44	N.D.	2.82	N.D.	Hollis et al., 2005
Mead Stream	MS14	f1048	L	112.53	N.D.	3.22	N.D.	Hollis et al., 2005
Mead Stream	MS15	f1047	L	111.53	N.D.	3.32	N.D.	Hollis et al., 2005
Mead Stream	MS12	f1042	M	110.24	N.D.	1.95	N.D.	Hollis et al., 2005
Mead Stream	MS11	f1041	M	109.70	N.D.	2.20	N.D.	Hollis et al., 2005
Mead Stream	MS1A	f1033	M	108.30	N.D.	0.48	N.D.	Hollis et al., 2005
Mead Stream	MS18	f1028	L	107.80	N.D.	2.81	N.D.	Hollis et al., 2005
Mead Stream	MD/F12	f1027	L	107.08	N.D.	2.78	N.D.	Hollis et al., 2005
Mead Stream	MD/F13	f1026	L	106.57	N.D.	2.82	N.D.	Hollis et al., 2005
Mead Stream	MD93	N.A.	L	99.00	N.D.	2.96	N.D.	Hollis et al., 2005
Mead Stream	MD94	N.A.	L	96.00	N.D.	2.58	N.D.	Hollis et al., 2005
Mead Stream	MD95	N.A.	L	77.00	N.D.	2.29	N.D.	Hollis et al., 2005
Mead Stream	MD96	N.A.	L	71.00	N.D.	1.91	N.D.	Hollis et al., 2005

Mead Stream	MD100	N.A.	RC	47.00	N.D.	2.02	N.D.	Hollis et al., 2005

*Rock type abbreviations are as follows: "M" = marl, "L" = limestone, "ML" = marly limestone, "RC" = ribbon chert.

Correlations based on a globally representative early Eocene marine $\delta^{13}C$ record from ODP Site 1051A (Cramer et al., 2003) across the H1, H2, I1, and I2 CIE intervals are illustrated for ODP Site 1262A, Mead Stream, and Dee Stream. Published magnetochron records from Sites 1051A (Mita, 2001; Cramer et al., 2003) and 1262A (Bowles, 2006) and nannofossil zonations from Sites 1051A (Cramer et al., 2003) and 1262A (Zachos et al., 2004) aid in establishing a link between shipboard measured magnetic susceptibility (MS) variations at Site 1262A (Zachos et al., 2004) and global CIEs. Mead Stream nannofossil zonations are reported in Hollis et al., (2005) and Figure 2.

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