









Table T5. Characteristic directions and polarity ratings and polarity chron assignments, Hole 1053A. (See table notes. Continued on next two pages.)

Position, age, facies/Core, section, interval (cm)	Run name	Depth (mbsf)	Characteristic magnetization and polarity						Polarity chron assignment	Comments		
			Interval (°C)	Characteristic direction			Polarity rating	Polarity column				
				Declination	Inclination	MAD		Schematic			Generalized	
late Eocene												
171B-1053A-												
1H-1, 30-32	011-030	0.30	150-270	158.8	-34.8	5.1	R					
1H-2, 29-32	012-029	1.79	150-200	163.5	-38	5.9	RP			C13r?		
1H-3, 30-33	013-030	3.30	240-400	359.9	42.0	4.3	N			?	Was assigned "C13r" in <i>Initial Reports</i> , but biostratigraphy also allows C15r.	
1H-4, 30-33	014-030	4.80	150-480	183.6	-54.7	3.3	R					
1H-5, 31-33	015-031	6.31	150-480	184.6	-44.2	5.9	R			C13r	Alternatively, this interval could be upper C15r.	
1H-6, 30-33	016-030	7.80	150-550	184.9	-51	2.1	R					
1H-7, 24-27	017-024	9.24	140-400	201.2	-60.8	8.6	R					
2H-1, 30-32	021-030	9.80	150-480	80.4	54.3	9.6	N					
2H-2, 30-32	022-030	11.30	150-480	100.3	-16.6	8.9	R					
2H-3, 30-32	023-030	12.80	150-480	319.7	72.8	8.6	N??					
2H-4, 30-32	024-030	14.30	140-180	184.0	26.7	10.0	INT					
2H-5, 30-32	025-030	15.80	150-180	176.7	54.2	10.1	N??				?	Alternatively, this interval could be poorly resolved C15n (if underlying interval is C15r).
2H-6, 30-32	026-030	17.30	180-210	42.5	69.2	22.7	INT					
3H-1, 30-32	031-030	19.30	240-270	93.9	-39.2	38.4	INT					
3H-3, 30-32	033-030	22.30	140-210	80.7	-42.4	28.4	R??					
3H-4, 30-32	034-030	23.80	000-180	207.9	-21.8	21.3	RPP				C13r?	Alternatively, this interval could be lower C15r.
3H-5, 31-33	035-031	25.31	150-210	222.7	30.9	29.2	R??					
3H-7, 28-30	037-028	28.28	180-270	116.3	-16.0	24.2	RP					
4H-1, 30-32	041-030	28.80	180-210	32.6	71.7	33.0	NPP					
4H-2, 30-32	042-030	30.30	150-240	27.2	27.6	33.7	NPP					
4H-4, 30-32	044-030	33.30	140-210	313.5	-46.5	31.7	INT					
4H-5, 30-32	045-030	34.80	150-240	203.5	28.3	30.5	INT					
4H-6, 30-32	046-030	36.30	150-270	19.9	68.5	26.0	NPP				C15n?	Alternatively, this interval could be upper C16n.
5H-1, 92-94	051-092	38.92	140-210	146.5	46.4	32.4	NPP					
5H-2, 28-30	052-028	39.78	180-210	176.6	68.7	1.2	NPP					
5H-3, 30-32	053-030	41.30	150-240	203.7	62.9	5.5	NP					
5H-5, 30-32	055-030	43.30	140-140	65.2	-31.0	6.7	INT				?	This interval was assigned as "C15r" in <i>Initial Reports</i> based on shipboard pass-through magnetometer but is probably an artifact of weak magnetics.
5H-6, 31-33	056-031	45.81	150-180	343.3	79.2	32.7	INT					
6H-1, 30-31	061-031	48.30	180-210	136.9	66.4	9.9	NPP					
6H-2, 30-31	062-031	49.80	140-180	316.1	50.4	6.1	N					
6H-3, 30-31	063-031	51.30	140-180	97.5	60.5	3.9	N					
6H-4, 30-31	064-031	52.80	180-210	260.0	53.4	21.8	NP					
6H-5, 30-31	065-031	54.30	140-180	252.8	60.4	11.8	N					
6H-6, 30-31	066-031	55.80	180-240	178.1	-54.5	9.4	R				C16n.1r	This possible polarity Zone C15r may be reduced by winnowing. Alternatively, it could be Subchron C16n.1r within C16n.
6H-7, 30-31	067-031	57.30	140-180	99.0	40.9	13.7	NP					
7H-1, 30-31	071-031	57.90	100-140	198.8	82.7	3.7	N??					
7H-2, 30-31	072-031	59.40	100-140	91.1	37.1	18.3	NPP					
7H-3, 30-31	073-031	60.90	100-140	292.3	58.4	2.7	N					
7H-4, 30-31	074-031	62.40	100-140	247.4	75.9	6.9	N??					
7H-5, 30-31	075-031	63.90	140-140	288.6	54.7	1.3	NPP				C16n	

Table T5 (continued).

Position, age, facies/Core, section, interval (cm)	Run name	Depth (mbsf)	Characteristic magnetization and polarity					Polarity rating	Polarity column	Polarity chron assignment	Comments	
			Interval (°C)	Characteristic direction			Schematic					Generalized
				Declination	Inclination	MAD						
7H-6, 30-31	076-031	65.40	100-210	112.3	47.3	10.4	N					
7H-7, 30-31	077-031	66.90	100-180	189.6	77.0	6.1	N??					
8H-1, 30-31	081-031	67.50	100-180	163.8	45.8	10.1	N					
8H-2, 30-31	082-031	69.00	140-210	280.6	73.3	10.4	NPP					
8H-3, 30-31	083-031	70.50	140-180	109.7	42.3	28.8	NP					
8H-4, 30-31	084-031	72.00	100-210	192.0	65.7	9.9	NP					
8H-5, 30-31	085-031	73.50	100-100	139.7	26.3	7.4	INT			Biostratigraphy suggests that polarity Zone C16r is either unresolved because of pervasive overprints or is absent.		
8H-6, 30-31	086-031	75.00	100-140	201.2	47.0	4.8	N					
8H-7, 30-31	087-031	76.50	140-240	224.4	50.4	10.2	N					
9H-1, 30-31	091-031	77.10	140-180	107.5	73.9	13.1	NPP					
9H-2, 30-31	092-031	78.60	100-180	67.0	57.6	13.1	N					
9H-3, 30-31	093-031	80.10	140-240	11.9	48.9	6.5	N					
9H-4, 30-31	094-031	81.60	140-180	51.9	64.5	4.1	N			C17n?		
9H-5, 30-31	095-031	83.10	100-180	232.9	61.5	7.2	N					
9H-6, 30-31	096-031	84.60	100-180	345.7	45.2	9.1	N					
9H-7, 30-31	097-031	86.10	100-180	132.9	50.0	10.4	NP					
10H-1, 30-32	101-030	85.80	150-210	272.3	74.8	16.1	NP					
10H-4, 31-33	104-031	90.31	150-270	306.6	68.0	20.0	NPP					
10H-5, 30-32	105-030	91.80	140-210	41.6	47.3	15.9	N??					
10H-6, 30-32	106-030	93.30	150-270	348.2	71.9	28.3	NPP					
11H-1, 30-32	111-030	95.30	180-240	320.8	46.9	31.4	NPP					
11H-2, 31-33	112-031	96.81	180-270	267.8	74.1	16.7	NPP					
11H-3, 33-35	113-030	98.33	150-270	132.1	74.7	11.8	NP					
11H-5, 30-32	115-030	101.30	210-240	23.3	48.6	28.5	NPP					
11H-6, 30-32	116-030	102.80	150-240	119.5	69.6	8.0	NPP					
12H-2, 30-32	122-030	106.30	100-250	274.7	53.2	40.5	NPP					
12H-3, 30-32	123-030	107.80	140-240	295.2	86.6	16.8	N??			C17n?		
12H-4, 30-32	124-030	109.30	150-240	157.1	37.1		N??					
12H-7, 30-32	127-030	113.80	180-240	145.0	40.1	26.3	NPP					
13H-1, 31-33	131-031	114.31	140-210	115.4	49.4	22.1	NPP					
13H-2, 31-33	132-031	115.81	100-200	138.7	80.0	14.9	N??					
13H-3, 31-33	133-031	117.31	150-210	180.8	41.9	12.4	NP					
13H-6, 31-33	136-031	121.81	240-270	4.2	40.3	24.7	N??					
13H-7, 31-33	137-031	123.31	150-240	218.9	46.9	40.1	NP					
14H-2, 30-32	142-030	125.30	140-300	300.1	80.7	17.4	NPP					
14H-3, 30-32	143-030	126.80	180-270	96.8	74.4	30.0	NPP					
14H-4, 30-32	144-030	128.30	180-270	301.0	37.8	20.2	NP					
14H-5, 30-32	145-030	129.80	150-240	213.9	66.3	31.0	NPP					
14H-7, 30-32	147-030	132.80	240-240	328.5	77.8	0.0	N??					
15H-1, 29-31	151-029	133.29	150-270	91.7	72.8	6.3	NPP					
15H-2, 29-31	152-029	134.79	210-270	84.9	52.9	19.1	NP					
16X-2, 125-128	162-125	141.75	180-300	120.6	37.7	42.9	N??					
16X-4, 80-83	164-080	144.30	150-240	184.1	48.7	6.3	NP					
16X-5, 25-27	165-025	145.25	140-300	205.6	64.5	22.6	NPP					
17X-2, 23-25	172-025	146.43	240-330	324.4	-53.2	23.1	RP			Subchron in C17n? Alternatively, it may be a condensed polarity Zone C16r.		
17X-3, 36-38	173-036	148.06	140-180	273.3	21.8	15.0	NPP					

Table T5 (continued).

Position, age, facies/Core, section, interval (cm)	Run name	Depth (mbsf)	Characteristic magnetization and polarity						Polarity chron assignment	Comments	
			Interval (°C)	Characteristic direction			Polarity rating	Polarity column			
				Declination	Inclination	MAD		Schematic			Generalized
17X-5, 40-42	175-040	151.10	140-270	44.8	38.1	17.7	NPP				
middle Eocene											
18X-1, 20-22	181-020	154.50	140-180	35.9	73.0	12.3	NPP		C17n		
18X-4, 129-131	184-129	160.09	100-200	172.1	41.1	12.5	NP				
18X-5, 62-64	185-062	160.92	140-480	262.9	-14.7	26.0	RP		C17r		
19X-1, 93-95	191-093	164.83	140-300	268.2	32.6	25.8	N??				
19X-3, 113-115	193-113	168.03	180-240	314.5	72.6	13.8	N??		?		
19X-4, 87-89	194-087	169.27	140-180	330.5	32.0	20.6	INT				
12-m gap in discrete sampling											
20X-6, 33-35	206-033	181.33	180-300	179.1	-9.6	22.2	RPP		C17r		
20X-CC, 25-28	209-025	183.17	150-400	96.6	-18.6	6.7	R				

Notes: Sediment facies are generalized color-texture descriptions from shipboard observations, and the lithologic units for each hole are displayed on the associated magnetostratigraphic figure. The interval (°C) indicates the demagnetization range that was used to compute the characteristic direction and polarity of magnetization for each sample. Declination and inclination are in degrees. MAD (mean angular dispersion) values indicate the precision of the three-dimensional line fit of these paleomagnetic vectors to obtain the characteristic direction. The polarity rating system (R, RP, RPP, R??, INT, N??, NPP, NP, N) is explained in the text. Two polarity columns are shown with the shades of gray or hatchure fill in the schematic column reflecting the polarity rating of individual samples and the generalized column indicating the main polarity intervals. Polarity chron assignments are based on the polarity pattern and biostratigraphic constraints in correlating to the reference magnetic polarity time scale.