Table T3. Calcareous nannofossil range-distribution chart and nannofossil zonation for Hole 1040C. (**See table notes.** Continued on next four pages.)

Calcareous nannofossil zone(s)	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Discoaster brouweri*	*Reticulofenestra minuta*	*Helicosphaera carteri*	*Helicosphaera scissura*	*Helicosphaera sellii*	*Calcidiscus leptoporus*	*Coccolithus pelagicus*	*Gephyrocapsa oceanica*	*Gephyrocapsa caribbeanica*	*Discoaster pentaradiatus*	*Gephyrocapsa sinuosa*	*Pseudoemiliania lacunosa*	*Gephyrocapsa aperta*	*Ceratolithus cristatus*	*Calcidiscus macintyrei*	*Pontosphaera multipora*	*Coccolithus miopelagicus*	*Discoaster intercalaris*	*Reticulofenestra pseudoumbilicus*	*Sphenolithus abies/neoabies*	*Pontosphaera discopora*	*Helicosphaera walbrichi*	*Sphenolithus verensis*	*Ceratolithus rugosus*	*Discoaster surculus*	*Discoaster variabilis*	*Discoaster asymetricus*	*Discoaster berggrenii*	*Triquetrorhabdulus farnsworthii*	*Dictyococites* spp.	*Discoaster aellandrei*	*Discoaster exilis*	*Helicosphaera burkei*	*Discoaster signus*	*Coronocyclus nitescens*	*Cyclicargolithus floridanus*	*Discoaster kugleri*	*Sphenolithus heteromorphus*	*Discoaster moorei*	*Helicosphaera ampliaperta*	unidentifiable 6-rayed discoaster	unidentifiable placoliths
	170-1040C-																																													
	1R-1, 126-128	160.56	B																																											
	1R-3, 122-124	163.52	F	P	F	R																																								
	1R-5, 125-127	166.55																																												
	1R-CC	166.94	F	M		F	F	R	R																																					
	2R-2,125-127	171.55	B																																											
	2R-4, 50-52	173.8	B																																											
	2R-CC	175.24	F	P		F				R	R																																			
	3R-2, 107-109	180.97	B																																											
	3R-4, 51-53	183.41	B																																											
	3R-CC	184.99	F	P		F			R	R		R									r			r																						
	4R-1, 128-130	189.28	B																																											
	4R-3, 125-127	192.25	B																																											
	4R-CC	192.85	B																																											
	5R-2, 50-52	199.6	B																																											
	5R-4, 52-55	202.62	B																																											
	5R-6, 50-53	205.6	B																																											
	5R-CC	206.14	B																																											
Pleistocene assemblage	6R-1, 125-128	208.55	B																																											
	6R-3, 125-128	211.55	B																																											
	6R-5, 125-128	214.55	B																																											
	6R-CC	215.14	F	P		F							F																																	
	7R-1, 123-125	218.13	B																																											
	7R-3, 124-128	221.14	B																																											
	7R-CC	222.36	R	P		R								R	R																															
	8R-1, 125-127	227.75	R	P							R																																			
	8R-3, 126-128	230.76	B																																											
	8R-5, 50-52	233	B																																											
	8R-CC	233.21	R	P			R		R								R																													
	9R-1, 50-52	236.6	B																																											
	9R-3, 48-50	239.64	B																																											
	9R-5, 50-52	242.66	B																																											
	9R-7, 48-50	245.64	B																																											
	9R-CC	246.05	R	P		R				R							F																													
	10R-2, 49-51	247.79	B																																											
	10R-4, 49-51	250.79	B																																											
	10R-CC	253.31	B																																											
	11R-2, 50-52	257.4	B																																											

Table T3 (continued).

Calcareous nannofossil zone(s)	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Discoaster brouwerii*	*Reticulofenestra minuta*	*Helicosphaera carteri*	*Helicosphaera scissura*	*Helicsphaera sellii*	*Calcidiscus leptoporus*	*Coccolithus pelagicus*	*Gephyrocapsa oceanica*	*Gephyrocapsa caribbeanica*	*Discoaster pentaradiatus*	*Gephyrocapsa sinuosa*	*Pseudoemiliania lacunosa*	*Gephyrocapsa aperta*	*Ceratolithus cristatus*	*Calcidiscus macintyrei*	*Pontosphaera multipora*	*Coccolithus miopelagicus*	*Discoaster intercalaris*	*Reticulofenestra pseudoumbilicus*	*Sphenolithus abies/neoabies*	*Pontosphaera discopora*	*Helicosphaera wallichi*	*Sphenolithus verensis*	*Ceratolithus rugosus*	*Discoaster surculus*	*Discoaster variabilis*	*Discoaster asymetricus*	*Discoaster berggrenii*	*Triquetrorhabdulus farnsworthii*	*Dictyococites* spp.	*Discoaster deflandrei*	*Discoaster exilis*	*Helicosphaera burkei*	*Discoaster signus*	*Coronocyclus nitescens*	*Cyclicargolithus floridanus*	*Discoaster kugleri*	*Sphenolithus heteromorphus*	*Discoaster moorei*	*Helicosphaera ampliaperta*	unidentifiable 6-rayed discoaster	unidentifiable placoliths
	11R-4, 50-53	259.71	B																																											
	11R-6, 50-53	262.71	B																																											
	11R-CC	264.35	C	P		C	R		R																																					
	12R-1, 50-52	265.6	B																																											
	12R-3, 49-51	268.59	B																																											
	12R-5, 49-51	271.59	B																																											
	12R-CC	272.14	F	P		F	R																																							
	13R-2, 50-52	276.7	B																																											
	13R-4, 50-52	279.7	B																																											
Pleistocene assemblage	13R-6, 49-53	282.29	R	P		R																																								
	13R-CC	282.7	C	P		C	R			F																																				
	14R-1, 125-128	285.65	R	P		R																																								
	14R-3, 125-128	288.65	B																																											
	14R-5, 125-128	291.65	B																																											
	14R-CC	291.95	F	P		F	R			R																																				
	15R-2, 50-52	296.1	B																																											
	15R-4, 50-53	299.1	B																																											
	15R-6, 50-53	302.1	B																																											
	15R-CC	303.91	B																																											
	16R-2, 48-50	305.68	R	P	R				R	R								R	R																											r	
	16R-CC	306.84	F	P		F	A																																							
	17R-1, 51-53	313.81	R	P	R		R																																							
Possibly NN18	17R-3, 50-52	316.8	F	P	R	R	F		R	F										R																									F	
	17R-CC	317.58	F	P		F	R																																							
	18R-1, 49-51	323.49	B																																											
	18R-3, 50-52	326.5	B																																											
	18R-CC	327.11	R	P						R																							r													
←	19R-2, 37-39	334.47	A	P																																									F	A
	19R-4, 32-33	337.42	B																																											
	19R-CC	338.33	R	P						R																							r													
	20R-2, 49-51	344.19	B																																											
	20R-4, 50-52	347.2	B																																											
	20R-6, 50-52	350.2	B																																											
Décollement	20R-CC	350.78	F	P		F				R											r	R																								
	21R-2, 48-50	353.78	B																																											
	21R-4, 49-52	356.79	B																																											
	21R-6, 46-49	359.76	B																																											
	21R-CC	361.64	F	P		R				R											r	F		F																						
	22R-2, 50-52	363.4	B																																											
	22R-4, 50-52	366.4	B																																											

Table T3 (continued).

Calcareous nannofossil zone(s)	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Discoaster brouwerii*	*Reticulofenestra minuta*	*Helicosphaera carteri*	*Helicosphaera scissura*	*Helicsphaera sellii*	*Calcidiscus leptoporus*	*Coccolithus pelagicus*	*Gephyrocapsa oceanica*	*Gephyrocapsa caribbeanica*	*Discoaster pentaradiatus*	*Gephyrocapsa sinuosa*	*Pseudoemiliania lacunosa*	*Gephyrocapsa aperta*	*Ceratolithus cristatus*	*Calcidiscus macintyrei*	*Pontosphaera multipora*	*Coccolithus miopelagicus*	*Discoaster intercalaris*	*Reticulofenestra pseudoumbilicus*	*Sphenolithus abies/neoabies*	*Pontosphaera discopora*	*Helicosphaera wallichi*	*Sphenolithus verensis*	*Ceratolithus rugosus*	*Discoaster surculus*	*Discoaster variabilis*	*Discoaster asymetricus*	*Discoaster berggrenii*	*Triquetrorhabdulus farnsworthii*	*Dictyococites* spp.	*Discoaster deflandrei*	*Discoaster exilis*	*Helicosphaera burkei*	*Discoaster signus*	*Coronocyclus nitescens*	*Cyclicargolithus floridanus*	*Discoaster kugleri*	*Sphenolithus heteromorphus*	*Discoaster moorei*	*Helicosphaera ampliaperta*	unidentifiable 6-rayed discoaster	unidentifiable placoliths
	22R-6, 50-52	369.4	B																																											
Décollement	22R-CC	371.21	F	P			F				R		C		C										R																					
	23R-2, 50-52	373	B																																											
	23R-4, 50-53	376	B																																											
	23R-CC	376.2	F	P								F																																		
	24R-1, 50-52	381.1	B																																											
	24R-3, 50-53	384.1	B																																											
	24R-CC	385.6	F	P								F																																		
NN21–NN20	25R-1, 48-50	390.68	B																																											
	25R-3, 50-53	393.7	B																																											
	25R-CC	397.88	R	P			R					R	R					R																												
	26R-2, 51-53	401.81	B																																											
	26R-4, 51-53	404.81	B																																											
	26R-CC	405.74	F							R		F	F			R																														
	27R-2, 57-59	411.47	B																																											
	27R-4, 50-52	414.4	B																																											
	27R-6, 29-31	417.19	B																																											
	27R-CC	417.37	R				R		R	R		C	F																																	
	28R-2, 48-49	421.08	B																																											
NN19	28R-4, 49-51	424.09	R																							R																			R	
	28R-CC	425.3	F				F			F																																				
	29R-1, 123-125	429.83	R																																										R	
	29R-3, 48-50	432.08	B																																											
	29R-3	432.57	F	M		F	F					F	F			R									R																					
	30R-2, 49-51	440.19	B																																											
	30R-4, 125-127	443.95	R																																										R	
	30R-CC	446.73	F	M		F	F		F																R																					
	31R-2, 50-52	449.8	C	M	C	C			F		F							F																													
NN18	31R-4, 50-53	452.8	A	G	C	C	A		C	C						A				C																											
	31R-CC	454.17	C	P		C				F																																				
	32R-2, 50-53	459.4	B																																											
NN17	32R-4, 50-52	462.4	A	G	A	V	A			C	C			C		C		C		F																											
	32R-6, 50-52	465.4	B																																											
NN17–NN16	32R-CC	466.26	B																																											
	33R-2, 51-53	469.01	B																																											
	33R-4, 48-52	472.75	A	M	C	A	C			C	C			A		C							C	F			F																		F	F
NN15 -NN12	33R-6, 52-54	475.02	A	M	C	A	C			C	C			A									C	F			F	F																	F	F
	33R-CC	476.89	C	M						F													F	R					F	R																

Table T3 (continued).

Calcareous nannofossil zone(s)	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Discoaster brouwerii*	*Reticulofenestra minuta*	*Helicosphaera carteri*	*Helicosphaera scissura*	*Helicsphaera sellii*	*Calcidiscus leptoporus*	*Coccolithus pelagicus*	*Gephyrocapsa oceanica*	*Gephyrocapsa caribbeanica*	*Discoaster pentaradiatus*	*Gephyrocapsa sinuosa*	*Pseudoemiliania lacunosa*	*Gephyrocapsa aperta*	*Ceratolithus cristatus*	*Calcidiscus macintyrei*	*Pontosphaera multipora*	*Coccolithus miopelagicus*	*Discoaster intercalaris*	*Reticulofenestra pseudoumbilicus*	*Sphenolithus abies/neoabies*	*Pontosphaera discopora*	*Helicosphaera wallichi*	*Sphenolithus verensis*	*Ceratolithus rugosus*	*Discoaster surculus*	*Discoaster variabilis*	*Discoaster asymetricus*	*Discoaster berggrenii*	*Triquetrorhabdulus farnsworthii*	*Dictyococites* spp.	*Discoaster deflandrei*	*Discoaster exilis*	*Helicosphaera burkei*	*Discoaster signus*	*Coronocyclus nitescens*	*Cyclicargolithus floridanus*	*Discoaster kugleri*	*Sphenolithus heteromorphus*	*Discoaster moorei*	*Helicosphaera ampliaperta*	unidentifiable 6-rayed discoaster	unidentifiable placoliths
	34R-1, 129-131	477.99	A	M	C	A	C			C	C			C									A	C			C				F	F														F	F
	34R-3, 51-53	480.21	A	M	C	A	C			C	C			A									A	A			C					C															C	
NN11	34R-5, 50-52	483.2	V	M	C	V	A		F	C	C			C									A	A			A			F	C	A															C	
	34R-CC	483.46	C	M			R		R																				F			C	R															
	35R-2, 50-52	488.4	A	M	A	C	C			C	C											C	A	A						C	C																F	
	35R-4, 50-52	491.39	B																																													
	35R-4, 90-92	491.79	F	M		F																	R																									
NN10	36R-2, 50-52	498	V	G		V															A		A	A						C				V	C	C											F	
	36R-4, 50-52	501	H	G		V				C	A								F	F			V	A			C			F				F	A	F	C										F	
	36R-CC	502.33	C	M																	C									C				V			C											
	37R-2, 51-53	507.61	H	G		V				C	A										A		V	A										V	A	A	A	F									F	
NN9–NN7 or CN5b	37R-4, 51-52	510.48	H	G		V				C	A										A		V	V										H	A	A	C	F	C	C	C					C	
	37R-CC	511.76	C	P		F				F											C																					F						
	38R-1, 124-128	516.54	H	G		V				C	A									A	A		V	A										H	A	A	A		C		C					A	
	38R-3, 121-123	519.51	H	G		V				C	A									F	A		V	A										V	A		A		C							C	
	38R-5, 125-128	522.55	V	M		V				C	A									F	A		V	A										V	C	F	A		C							A	
	38R-6	523.13	C	M		F				F											C															C			F		F					F	
	39R-2, 48-50	526.88	V	M		V				F	A									F	C		A	A										V	C	C	A		F							F	
	39R-4, 48-50	529.88	V	M		V				F	A									F	C		A	A										V	C	C	A		C		F					F	
	39R-5	531.31	C	M																	C									R						F		F									
	40R-2, 51-53	536.51	V	G		V				F	A									F	C		A	A										V	F	F	A		F		F					F	
	40R-4, 50-52	539.5	H	G		V				C	A									F	C		A	V										V	C	F	A		F							F	
	40R-6, 48-50	542.48	V	G		V				C	A										C		A	V										V	F	F	A		F							F	
NN6	40R-CC	544.31	F	M																	F									R						F		F									
	41R-2, 51-53	546.11	V	M		V				C	A										C		A	A						C				V	F	R	A		F	F						C	
	41R-6, 34-36	551.94	V	M		V				C	A									F	C		A	C						F				V			C									C	
	41R-CC	553.94	A	M		A													F				C																F	C		C				F	
	42R-2, 125-128	555.7	V	M		V				C	A									F	C		A	A						F				V		F	A		F	C		C				C	
	42R-4, 50-52	558.7	V	M		V				C	A									F	C		A	A										V	F	F	A		F	C		A		F		C	
	42R-6, 50-52	561.5	V	M						F	A									F	C		A	A										V		R	A		F	A		A				F	
	42R-CC	563.46	C	M		C													F		C																		F	F		C					
	43R-2, 46-48	565.36	V	M		A				F	A									F	C		A	A										A		R	A		F	F		C				F	
NN5	43R-4, 35-40	568.25	V	M		A				F	C									F	C		A	A										A	F	R	A		F	A		A				F	
	43R-CC	568.57	A	M		C				F									F		C		C		F														F	F		C				F	
	44R-2, 46-48	575.06	H	M		V				F	C									F	F		A	A										A	F	C	A		F	C		F				F	
	44R-4, 40-43	578	H	M						F													A	C										A	F		A			A		A				F	
	44R-CC	579.31	A	M		C				F									F		C		C		F		C												F	F		C					
	45R-2, 50-53	584.7	V	M		A				F	A									F	F		C	C										A	F		A			A		A					
	45R-4, 50-53	587.7	V	M		A				F	A									F	C		A	A										A	F		A			C		A					
	45R-CC	590.02	A	M		C	C			F									F		C		C		F		C							A					F	F		F					

Table T3 (continued).

Calcareous nannofossil zone(s)	Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	*Discoaster brouwerii*	*Reticulofenestra minuta*	*Helicosphaera carteri*	*Helicosphaera scissura*	*Helicsphaera sellii*	*Calcidiscus leptoporus*	*Coccolithus pelagicus*	*Gephyrocapsa oceanica*	*Gephyrocapsa caribbeanica*	*Discoaster pentaradiatus*	*Gephyrocapsa sinuosa*	*Pseudoemiliania lacunosa*	*Gephyrocapsa aperta*	*Ceratolithus cristatus*	*Calcidiscus macintyrei*	*Pontosphaera multipora*	*Coccolithus miopelagicus*	*Discoaster intercalaris*	*Reticulofenestra pseudoumbilicus*	*Sphenolithus abies/neoabies*	*Pontosphaera discopora*	*Helicosphaera wallichi*	*Sphenolithus verensis*	*Ceratolithus rugosus*	*Discoaster surculus*	*Discoaster variabilis*	*Discoaster asymetricus*	*Discoaster berggrenii*	*Triquetrorhabdulus farnsworthii*	*Dictyococites* spp.	*Discoaster deflandrei*	*Discoaster exilis*	*Helicosphaera burkei*	*Discoaster signus*	*Coronocyclus nitescens*	*Cyclicargolithus floridanus*	*Discoaster kugleri*	*Sphenolithus heteromorphus*	*Discoaster moorei*	*Helicosphaera ampliaperta*	unidentifiable 6-rayed discoaster	unidentifiable placoliths
	46R-2, 50-52	594.3	V	M		A	C			F	A										C		A	C										A	C		A					C					
	46R-4, 50-52	597.3	V	A		A	C			F	A										C		C											A	C		A				F	C					
	46R-CC	598.86	A	M		C	C			F									F		C		C		R		F								A					F	F		F					
	47R-2, 50-52	603.9	A	M		A	C				C										C		C											A	C		C					C					
	47R-4, 50-52	606.9	A	M		A	C				C										C		C											A	C		C					C					
	47R-6, 50-52	609.9	V	M		A	C				A										C		C												C		A					A					
NN5	47R-CC	611.78	A	M		C	F			F									F		C		C		R		F													F	F		F					
	48R-2, 50-52	613.6	V	M		A					A										C		C	C				A							F		A		F	F		A					
	48R-4, 50-52	616.6	V	M		A					A										C		A	C				A							F		A		F			A					
	48R-6, 50-52	619.6	V	M		A				F	A									F	C		F	A				A							F	F	A		F	C		A					
	48R-CC	621.45	A	M		C				R	C									F	F		C	C			F	A							F		A		F	A		C					
	49R-2, 50-52	623.2	V	M		C				F	C									F	C		F	A				A							C		A		F	A		A					
	49R-4, 50-52	626.2	V	M		C				F	C									F	C		F	C				A							C		A		F	A		C					
	49R-6, 50-52	629.2	V	M		C				F	A									F	F		F	A			F	A							C		A		F	R		A		F			
	50R-2, 50-52	632.8	V	M		A				C	A									F	C		A	A				A							C		A			A		A					
	50R-4, 52-54	635.82	A	M		A				F	C									F	C		C	C				A							C		A		F	A		A		F			
	50R-6	638.28	A	M		C				F										F	C		F												F				F	F		F		F			
NN4	51R-2, 50-52	642.4	A	M		A				F	C									C	C		A	A				A							C		A			A		A					
	51R-4, 54-56	645.34	B																																												
	51R-CC	646.55	A	P		C				F											C						F								F					F		F		F			
	52R-1, 125-128	651.25	A	P																																										A	A
	52R-3, 32-34	653.32	B																																												

Notes: Abundance: H = highly abundant; V = very abundant; A = abundant; C = common; F = few; R = rare; r = rare reworked; B = barren. Preservation: P = poor; M = moderate; G = good.