

Chapter 4, Table T5. Stratigraphic distribution of calcareous nannofossil taxa, Hole 1069A.

[illegible]

Notes: Abundance: V = very abundant, A = abundant, C = common, F = few, R = rare, B = barren. Preservation: G = good, M = Moderate, P = poor.

Chapter 4, Table T5. Stratigraphic distribution of calcareous nannofossil taxa, Hole 1069A.

Age	Nannofossil zone/subzone		Core, section, intervla (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	Blackites spinosus	Braarudosphaera discula	Campylosphaera dela	Chiasmolithus consuetus	Chiasmolithus expansus	Chiasmolithus grandis	Chiasmolithus solitus	Chiasmolithus spp.	Chiasmolithus titus	Coccolithus eopelagicus	Coccolithus formosus	Coccolithus gammation	Coccolithus pelagicus	Coronocylus nitescens	Discoaster araneus	Discoaster barbadiensis	Discoaster binodosus	Discoaster cruciformis	Discoaster deflandrei	Discoaster diastypus	Discoaster elegans	Discoaster falcatus	Discoaster germanicus	Discoaster kuepperi	Discoaster lenticularis	Discoaster lodoensis	Discoaster mahmoudii	Discoaster martinii	Discoaster minimus	Discoaster multiradiatus	
	Martini (1971)	Okada & Bukry (1980)																																				
middle Eocene	NP14	CP12b	173-1069A-1R-1, 3-5	718.83	B	B	Moderate brown claystone																															
			1R-1, 120-123	720.00	V	G	Grayish green nannnofossil claystone	R				R	R				F	A	F	A			A		C									F				
			1R-2, 6-8	720.36	A	P	Moderate yellowish brown claystone						R				F	C		C		F	R											R				
			1R-3, 84-85	722.64	A	P	Moderate yellowish brown claystone										F	F		A		C	F															
			1R-3, 119-120	722.99	V	G	Grayish green nannnofossil claystone						R	R	F		F	F	A	F	C		C		F									F				
			1R-4, 0-3	723.00	A	M	Greenish gray calcareous sandy siltstone						R				R	R	F	A	R	C	R	A		F								F				
		CP12a	1R-CC	723.62	B	M																																
			2R-1, 23-24	728.63	C	M	Greenish gray calcareous sandy siltstone									R			F		C		F		F		F											
			2R-2, 36-37	729.64	A	M	Grayish green nannnofossil claystone			R	F					F		R	R	F	F	A	F	F		F		F					F		F			
			2R-2, 121-122	730.49	V	M	Grayish green nannnofossil claystone									R	F	R		R		A		F		F		F										
			2R-3, 29-30	731.07	B	B	Moderate brown claystone																															
			2R-CC	731.89	V	M	Greenish gray calcareous sandy siltstone										F		R	R	C	F	A		C		F					F		F				
			3R-1, 38-39	738.48	A	M	Greenish gray calcareous sandy siltstone										C	F	F	F	C	A	A	R	F		R					F		F				
			3R-1, 119-120	739.29	B	B	Moderate brown claystone																															
			3R-2, 33-34	739.93	A	G	Moderate yellowish brown claystone							R		F	F			F	F	A	F	F		F								R				
			3R-2, 119-120	740.79	C	M	Grayish green nannnofossil claystone											R		C	F	A		C		C						F		R				
			3R-3, 34-35	741.44	C	M	Grayish green nannnofossil claystone															A		C		C		F							C			
			3R-CC	741.63	V	M	Moderate brown claystone									R	R			C	C	A		C		C		C				F		C				
			4R-1, 38-39	748.08	V	M	Grayish green nannnofossil claystone									R		R		F	C	C	A		C		R					F		A				
			4R-1, 148-149	749.18	V	M	Grayish green nannnofossil claystone									R		R		C	F	A		A	F	R						F		C				
			4R-2, 34-36	749.54	V	M	Light gray calcareous sandy siltstone								R		R	F		C	F	A	R	C		F						C		C		R		
			4R-2, 50-51	749.70	V	M	Light gray calcareous sandy siltstone										R			F	C	A		C		F						F		F				
			4R-2, 73-74	749.93	V	M	Moderate yellowish brown claystone							R						A	F	A		A		C						F		A				
			4R-2, 119-120	750.39	A	M	Light gray calcareous sandy siltstone									F				F	C	A		C		F						F		C				
			4R-3, 36-38	751.06	A	M	Moderate yellowish brown claystone											R		R	F	A		F		F						R		F				
			4R-CC	751.24	A	P					R									F	C	A		F		F							F		F			
			early Eocene	NP13	CP11	5R-1, 3-5	757.43	F	M	Greenish gray calcareous sandy siltstone													F															
						5R-1, 34-37	757.74	V	M	Greenish gray calcareous sandy siltstone												C	A	A		F		F							C		A	
						5R-1, 79-82	758.19	A	P	Grayish green nannnofossil claystone													F	C	A		A		F						F		A	
						5R-1, 122-124	758.62	A	P	Greenish gray calcareous sandy siltstone							R						C	A	A		F		R	F					F		F	
						5R-2, 8-10	758.98	V	M	Light brown calcareous claystone									R	F			C	F	A		A		C					R		A		
						5R-2, 29-30	759.19	A	M	Greenish gray calcareous sandy siltstone						R		F	F				C	C	A		F		F					F		A		
				NP12	CP10	5R-CC, 1-2	759.42	A	M	Grayish green nannnofossil claystone									F			C	C	A		C								F		A		
						5R-CC, 11-12	759.52	V	G	Light brown calcareous claystone									F			A	C	A		A		C						F		A		
		5R-CC, 14-17				759.55	A	M	Grayish green calcareous claystone										F			A	C	A		A		C	F				F		A			
6R-1, 4-5	767.14	A				M	Light brown calcareous claystone							F		R				F	C	A		F							F		F					
6R-1, 124-127	768.34	A				P	Light brown calcareous claystone													F		A		F							F		C					
6R-3, 120-123	771.30	A				M	Green claystone													F	R	A		C	F						F		A					
6R-3, 127-128	771.37	C				M	Light green calcareous claystone													F		A		F		F					F		C					

Chapter 4, Table T5 (continued).

Age	Nannofossil zone/subzone		Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Discoaster robustus</i>	<i>Discoaster saipanensis</i>	<i>Discoaster salisburgensis</i>	<i>Discoaster septemradiatus</i>	<i>Discoaster</i> spp.	<i>Discoaster subloboensis</i>	<i>Discoaster tani</i>	<i>Discoaster wemmelensis</i>	<i>Ericsonia subdisticha</i>	<i>Helicosphaera lophota</i>	<i>Helicosphaera seminulum</i>	<i>Lanternithus minutus</i>	<i>Micrantholithus</i> spp.	<i>Nannotetrina cristata</i>	<i>Neochiastozygus rosenkrantzii</i>	<i>Neococcolithes dubius</i>	<i>Neococcolithes minutus</i>	<i>Pontosphaera multipora</i>	<i>Pontosphaera plana</i>	<i>Pontosphaera</i> spp.	<i>Psuedotriquetrorhabdulus inversus</i>	<i>Reticulolenestra dictyoda</i>	<i>Reticulolenestra samodurovii</i>	<i>Reticulolenestra</i> spp.	<i>Reticulolenestra</i> spp. (<4µm)	<i>Rhabdosphaera inflata</i>	<i>Rhabdosphaera tenuis</i>	<i>Sphenolithus conspicuus</i>	<i>Sphenolithus editus</i>	<i>Sphenolithus moriformis</i>				
	Martini (1971)	Okada & Bukry (1980)																																							
middle Eocene	NP14	CP12b	173-1069A-1R-1, 3-5	718.83	B	B	Moderate brown claystone																																		
			1R-1, 120-123	720.00	V	G	Grayish green nannnofossil claystone				F			F	F	F							F								A		F	C	F		F				
			1R-2, 6-8	720.36	A	P	Moderate yellowish brown claystone								F								R								C	R	F	R	F		F				
			1R-3, 84-85	722.64	A	P	Moderate yellowish brown claystone									F								F								A	F	F	F	F					
			1R-3, 119-120	722.99	V	G	Grayish green nannnofossil claystone									F	F	F													F	A	F	A	C	F		F			
			1R-4, 0-3	723.00	A	M	Greenish gray calcareous sandy siltstone				F					R								F								A	F	F	F	F					
			1R-CC	723.62	B	M																																			
			2R-1, 23-24	728.63	C	M	Greenish gray calcareous sandy siltstone																									C	F	F							
			2R-2, 36-37	729.64	A	M	Grayish green nannnofossil claystone									R	F			F												A	F	C			F				
			2R-2, 121-122	730.49	V	M	Grayish green nannnofossil claystone						R					R														A		F	F				F		
		2R-3, 29-30	731.07	B	B	Moderate brown claystone																																			
		2R-CC	731.89	V	M	Greenish gray calcareous sandy siltstone											F															C	R	F		F	F				
		3R-1, 38-39	738.48	A	M	Greenish gray calcareous sandy siltstone											F	F														A		C		R					
		3R-1, 119-120	739.29	B	B	Moderate brown claystone																																			
		3R-2, 33-34	739.93	A	G	Moderate yellowish brown claystone										R			R														A	F	C						
		3R-2, 119-120	740.79	C	M	Grayish green nannnofossil claystone											F																C	F	F						
		3R-3, 34-35	741.44	C	M	Grayish green nannnofossil claystone											F																	C	F						
		3R-CC	741.63	V	M	Moderate brown claystone											F	F	R															A	F	C		F	F		
		4R-1, 38-39	748.08	V	M	Grayish green nannnofossil claystone											F																	A		C					
		4R-1, 148-149	749.18	V	M	Grayish green nannnofossil claystone											F																	A	F	F				F	
		4R-2, 34-36	749.54	V	M	Light gray calcareous sandy siltstone											F	F																A	F	F				F	
		4R-2, 50-51	749.70	V	M	Light gray calcareous sandy siltstone											F																	A		F				F	
		4R-2, 73-74	749.93	V	M	Moderate yellowish brown claystone											R	F	R															A		F				F	
		4R-2, 119-120	750.39	A	M	Light gray calcareous sandy siltstone											F	R																A		C				F	
		4R-3, 36-38	751.06	A	M	Moderate yellowish brown claystone											R	F																A		C					
		4R-CC	751.24	A	P																														A		C				F
		5R-1, 3-5	757.43	F	M	Greenish gray calcareous sandy siltstone																													A		C				
		5R-1, 34-37	757.74	V	M	Greenish gray calcareous sandy siltstone						R					F	R																	A		F				
		5R-1, 79-82	758.19	A	P	Grayish green nannnofossil claystone												R																		C					
		5R-1, 122-124	758.62	A	P	Greenish gray calcareous sandy siltstone														R																C		F			
		5R-2, 8-10	758.98	V	M	Light brown calcareous claystone											F	F																		C					R
		5R-2, 29-30	759.19	A	M	Greenish gray calcareous sandy siltstone						R					R	F		F																F					
		5R-CC, 1-2	759.42	A	M	Grayish green nannnofossil claystone												F																		C					
		5R-CC, 11-12	759.52	V	G	Light brown calcareous claystone																														C					
		5R-CC, 14-17	759.55	A	M	Grayish green calcareous claystone											F																			C					
early Eocene	NP12	CP10	6R-1, 4-5	767.14	A	M	Light brown calcareous claystone								R																			C							
			6R-1, 124-127	768.34	A	P	Light brown calcareous claystone																																		
			6R-3, 120-123	771.30	A	M	Green claystone										F																								
			6R-3, 127-128	771.37	C	M	Light green calcareous claystone																																		

Chapter 4, Table T5 (continued).

Age	Nannofossil zone/subzone		Core, section, intervla (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Sphenolithus primus</i>	<i>Sphenolithus radians</i>	<i>Sphenolithus spiniger</i>	<i>Toweius emimens</i>	<i>Toweius magnicrassus</i>	<i>Toweius pertusus</i>	<i>Toweius tovae</i>	<i>Tribrachiatulus bramlettei</i>	<i>Tribrachiatulus contortus</i>	<i>Tribrachiatulus orthostylus</i>	<i>Tribrachiatulus</i> spp.	<i>Zygrhablithus bijugatus</i>	Reworked Cretaceous	Reworked Paleocene				
	Martini (1971)	Okada & Bukry (1980)																							
middle Eocene	NP14	CP12b	173-1069A-1R-1, 3-5	718.83	B	B	Moderate brown claystone																		
			1R-1, 120-123	720.00	V	G	Grayish green nannnofossil claystone	F	F										A	F					
			1R-2, 6-8	720.36	A	P	Moderate yellowish brown claystone	F											A	F					
			1R-3, 84-85	722.64	A	P	Moderate yellowish brown claystone	F												A	F				
			1R-3, 119-120	722.99	V	G	Grayish green nannnofossil claystone	R	F										C	F					
			1R-4, 0-3	723.00	A	M	Greenish gray calcareous sandy siltstone	F	R										F	R					
		CP12a	1R-CC	723.62	B	M																			
			2R-1, 23-24	728.63	C	M	Greenish gray calcareous sandy siltstone	F			F									F					
			2R-2, 36-37	729.64	A	M	Grayish green nannnofossil claystone	F												A	F				
			2R-2, 121-122	730.49	V	M	Grayish green nannnofossil claystone	F	F	R	R									A	A	F			
			2R-3, 29-30	731.07	B	B	Moderate brown claystone																		
			2R-CC	731.89	V	M	Greenish gray calcareous sandy siltstone	F	F		R									A					
			3R-1, 38-39	738.48	A	M	Greenish gray calcareous sandy siltstone	F			F									C	F				
			3R-1, 119-120	739.29	B	B	Moderate brown claystone																		
			3R-2, 33-34	739.93	A	G	Moderate yellowish brown claystone	F	R		F									F	F				
			3R-2, 119-120	740.79	C	M	Grayish green nannnofossil claystone	F													F				
			3R-3, 34-35	741.44	C	M	Grayish green nannnofossil claystone																		
			3R-CC	741.63	V	M	Moderate brown claystone	C			F	R									A	F			
			4R-1, 38-39	748.08	V	M	Grayish green nannnofossil claystone	F			F										A	F			
			4R-1, 148-149	749.18	V	M	Grayish green nannnofossil claystone	R			F										A	F			
			4R-2, 34-36	749.54	V	M	Light gray calcareous sandy siltstone	F			F						R				F	F			
			4R-2, 50-51	749.70	V	M	Light gray calcareous sandy siltstone	F			F						R				A	F			
			4R-2, 73-74	749.93	V	M	Moderate yellowish brown claystone	F			F					F					A	F			
			4R-2, 119-120	750.39	A	M	Light gray calcareous sandy siltstone	F			F	F				F					F	F			
			4R-3, 36-38	751.06	A	M	Moderate yellowish brown claystone	F			F										C	F			
			4R-CC	751.24	A	P		F			R										F	F	F		
			early Eocene	NP13	CP11	5R-1, 3-5	757.43	F	M	Greenish gray calcareous sandy siltstone															
						5R-1, 34-37	757.74	V	M	Greenish gray calcareous sandy siltstone	F			R								C	F		
						5R-1, 79-82	758.19	A	P	Grayish green nannnofossil claystone	F											A	F		
						5R-1, 122-124	758.62	A	P	Greenish gray calcareous sandy siltstone	F											C	F		
						5R-2, 8-10	758.98	V	M	Light brown calcareous claystone	C			F								R	A	F	
				NP12	CP10	5R-2, 29-30	759.19	A	M	Greenish gray calcareous sandy siltstone													F	F	
						5R-CC, 1-2	759.42	A	M	Grayish green nannnofossil claystone	F	R		F								A	F		
						5R-CC, 11-12	759.52	V	G	Light brown calcareous claystone	F	R										A	F	F	
						5R-CC, 14-17	759.55	A	M	Grayish green calcareous claystone	R			R									A	F	F
6R-1, 4-5	767.14					A	M	Light brown calcareous claystone	F												A	F			
6R-1, 124-127	768.34	A				P	Light brown calcareous claystone	C		R										A	F				
6R-3, 120-123	771.30	A				M	Green claystone	R			F									A	A	F			
6R-3, 127-128	771.37	C				M	Light green calcareous claystone	F			F									A	C	F			

Chapter 4, Table T5 (continued).

Age	Nannofossil zone/subzone		Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Blackites spinosus</i>	<i>Braarudosphaera discula</i>	<i>Campylosphaera dela</i>	<i>Chiasmolithus consuetus</i>	<i>Chiasmolithus expansus</i>	<i>Chiasmolithus grandis</i>	<i>Chiasmolithus solitus</i>	<i>Chiasmolithus</i> spp.	<i>Chiasmolithus titus</i>	<i>Coccolithus eopelagicus</i>	<i>Coccolithus formosus</i>	<i>Coccolithus gammation</i>	<i>Coccolithus pelagicus</i>	<i>Coronocyclus nitescens</i>	<i>Discoaster araneus</i>	<i>Discoaster barbadiensis</i>	<i>Discoaster binodosus</i>	<i>Discoaster cruciformis</i>	<i>Discoaster deflandrei</i>	<i>Discoaster diastypus</i>	<i>Discoaster elegans</i>	<i>Discoaster falcatus</i>	<i>Discoaster germanicus</i>	<i>Discoaster kuepperi</i>	<i>Discoaster lenticularis</i>	<i>Discoaster lodoensis</i>	<i>Discoaster mahmoudii</i>	<i>Discoaster martinii</i>	<i>Discoaster minimus</i>	<i>Discoaster multiradiatus</i>
	Martini (1971)	Okada & Bukry (1980)																																			
early Eocene	NP12	CP10	6R-4, 34-35	771.94	A	M	Light brown calcareous claystone							R				F	A				C	F			F										
			6R-4, 45-47	772.05	A	M	Grayish green calcareous claystone												R	A				C	R		F	F									
			6R-5, 87-88	773.97	V	M	Light green calcareous claystone														A				F												
	NP11	CP9b	6R-CC	774.22	A	P												R	C				C														
			6R-CC, 5-7	774.03	C	P																		F	F												
			7R-1, 29-30	777.09	C	P	Light brown calcareous claystone													F				F	F			C	R	R	F	R		C			
			7R-1, 34-35	777.14	C	P	Light brown calcareous claystone								R					C				F	F			C	R	F							
			7R-1, 123-124	778.03	R	B	Moderate brown claystone																	R				C									
	NP10	CP9a	7R-1, 147-150	778.27	C	M	Light brown calcareous claystone													F			F	C		C									R		
			7R-2, 33-35	778.63	B	B	Moderate brown claystone																														
			7R-2, 130-131	779.60	B	B	Moderate brown claystone																														
			7R-3, 15-16	779.95	B	B	Moderate brown claystone																														
			7R-3, 91-93	780.71	B	B	Moderate brown claystone																														
			7R-3, 120-122	781.00	B	B	Moderate brown claystone																														
			7R-4, 52-53	781.82	B	B	Moderate brown claystone																														
			7R-4, 61-63	781.91	B	B	Grayish green calcareous claystone																														

Notes: Abundance: V = very abundant, A = abundant, C = common, F = few, R = rare, B = barren. Preservation: G = good, M = Moderate, P = poor.

Chapter 4, Table T5 (continued).

Age	Nannofossil zone/subzone		Core, section, interval (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Discoaster robustus</i> <i>Discoaster saipanensis</i> <i>Discoaster salisburgensis</i> <i>Discoaster septemradiatus</i> <i>Discoaster</i> spp.	<i>Discoaster subloboensis</i> <i>Discoaster tani</i> <i>Discoaster wemmelensis</i> <i>Ericsonia subdisticha</i> <i>Helicospaera lophota</i> <i>Helicospaera seminulum</i> <i>Lanternithus minutus</i> <i>Micrantholithus</i> spp. <i>Nannotetrina cristata</i> <i>Neochiastozygus rosenkrantzii</i>	<i>Neococcolithes dubius</i> <i>Neococcolithes minutus</i> <i>Pontosphaera multipora</i> <i>Pontosphaera plana</i> <i>Pontosphaera</i> spp. <i>Psuedotriquetrorhabdulus inversus</i> <i>Reticulalenestra dictyoda</i> <i>Reticulalenestra samodurovii</i> <i>Reticulalenestra</i> spp. <i>Reticulalenestra</i> spp. (<4µm)	<i>Rhabdosphaera inflata</i> <i>Rhabdosphaera tenuis</i> <i>Sphenolithus conspicuus</i> <i>Sphenolithus editus</i> <i>Sphenolithus moriformis</i>
	Martini (1971)	Okada & Bukry (1980)									
early Eocene	NP12	CP10	6R-4, 34-35	771.94	A	M	Light brown calcareous claystone	F R R	C	R	
			6R-4, 45-47	772.05	A	M	Grayish green calcareous claystone				
			6R-5, 87-88	773.97	V	M	Light green calcareous claystone				
	NP11	CP9b	6R-CC	774.22	A	P		F F F	C		
			6R-CC, 5-7	774.03	C	P					
			7R-1, 29-30	777.09	C	P	Light brown calcareous claystone				
			7R-1, 34-35	777.14	C	P	Light brown calcareous claystone				
			7R-1, 123-124	778.03	R	B	Moderate brown claystone				
	NP10	CP9a	7R-1, 147-150	778.27	C	M	Light brown calcareous claystone	F			R
			7R-2, 33-35	778.63	B	B	Moderate brown claystone				
			7R-2, 130-131	779.60	B	B	Moderate brown claystone				
			7R-3, 15-16	779.95	B	B	Moderate brown claystone				
			7R-3, 91-93	780.71	B	B	Moderate brown claystone				
			7R-3, 120-122	781.00	B	B	Moderate brown claystone				
			7R-4, 52-53	781.82	B	B	Moderate brown claystone				
			7R-4, 61-63	781.91	B	B	Grayish green calcareous claystone				

Chapter 4, Table T5 (continued).

Age	Nannofossil zone/subzone		Core, section, intervla (cm)	Depth (mbsf)	Abundance	Preservation	Lithology	<i>Sphenolithus primus</i> <i>Sphenolithus radians</i> <i>Sphenolithus spiniger</i> <i>Toweius emimens</i> <i>Toweius magnicrassus</i> <i>Toweius pertusus</i> <i>Toweius tovae</i> <i>Tribrachiatus bramlettei</i> <i>Tribrachiatus contortus</i> <i>Tribrachiatus orthostylus</i> <i>Tribrachiatus</i> spp. <i>Zygrhablithus bijugatus</i> Reworked Cretaceous Reworked Paleocene							
	Martini (1971)	Okada & Bukry (1980)													
early Eocene	NP12	CP10	6R-4, 34-35	771.94	A	M	Light brown calcareous claystone	F			A	C	F	F	
			6R-4, 45-47	772.05	A	M	Grayish green calcareous claystone	R	F		R	C	A	F	
	NP11	CP9b	6R-5, 87-88	773.97	V	M	Light green calcareous claystone	F	C			A	A	F	F
			6R-CC	774.22	A	P		F	R			A	A		
			6R-CC, 5-7	774.03	C	P									
			7R-1, 29-30	777.09	C	P	Light brown calcareous claystone				A				R
			7R-1, 34-35	777.14	C	P	Light brown calcareous claystone				F			F	C
			7R-1, 123-124	778.03	R	B	Moderate brown claystone							F	
			7R-1, 147-150	778.27	C	M	Light brown calcareous claystone	R			F	R		F	F
	NP10	CP9a	7R-2, 33-35	778.63	B	B	Moderate brown claystone								
			7R-2, 130-131	779.60	B	B	Moderate brown claystone								
			7R-3, 15-16	779.95	B	B	Moderate brown claystone								
			7R-3, 91-93	780.71	B	B	Moderate brown claystone								
			7R-3, 120-122	781.00	B	B	Moderate brown claystone								
			7R-4, 52-53	781.82	B	B	Moderate brown claystone								
			7R-4, 61-63	781.91	B	B	Grayish green calcareous claystone								