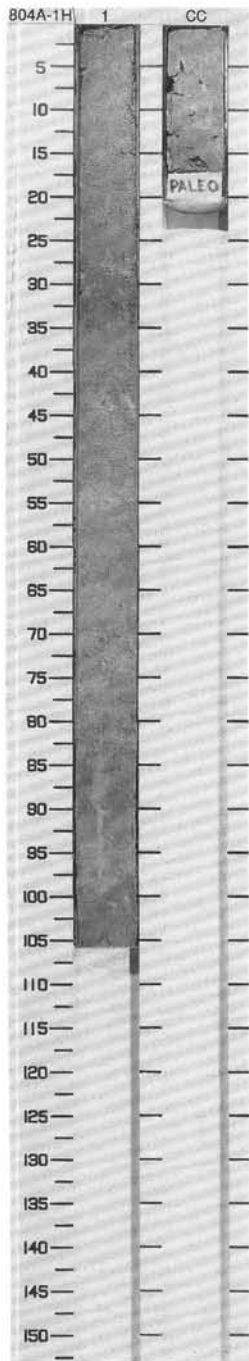
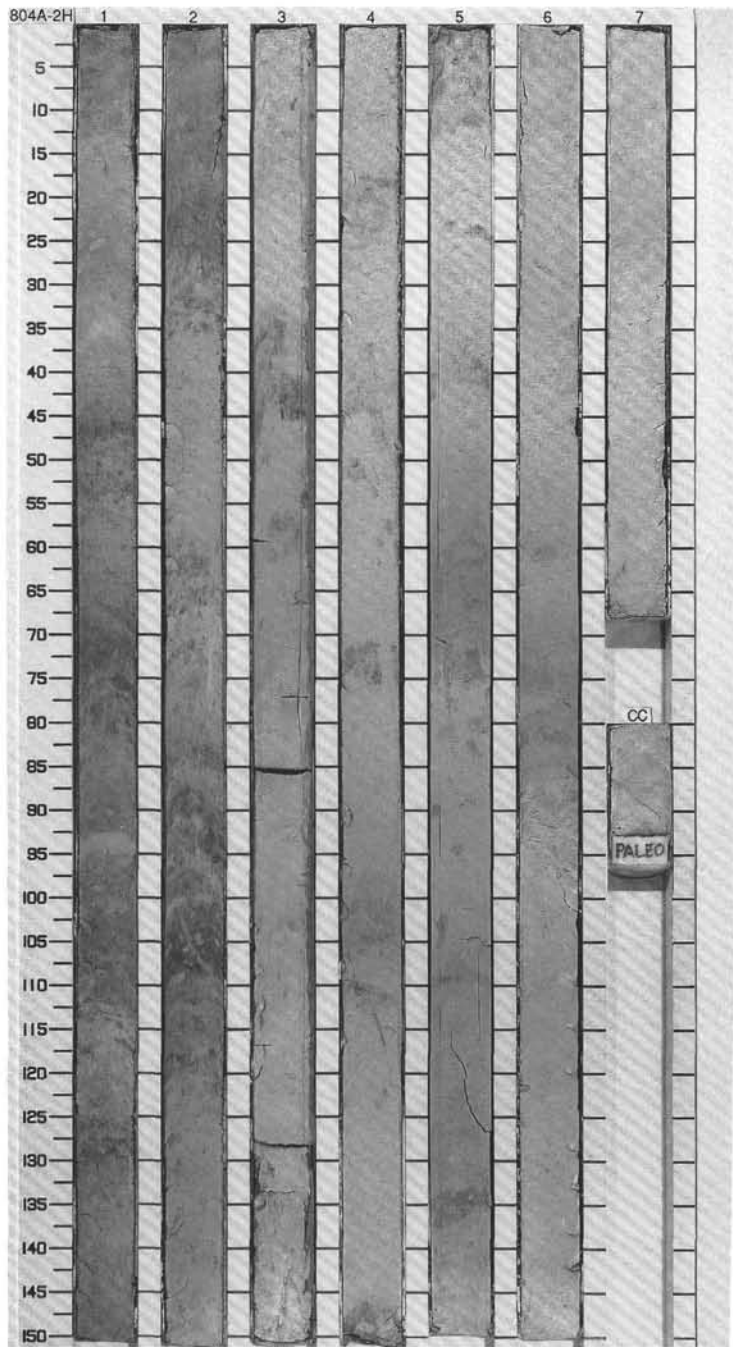


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS																										
PLEISTOCENE	N23	A/M											<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains heavily bioturbated, mottled, pale brown (10YR 6/3) to light yellowish brown (10YR 6/4) NANNOFOSSIL OOZE with FORAMINIFERS.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>1, 14</td> </tr> <tr> <td>D</td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>10</td> </tr> <tr> <td>Silt</td> <td>80</td> </tr> <tr> <td>Clay</td> <td>10</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Foraminifers</td> <td>14</td> </tr> <tr> <td>Nannofossils</td> <td>85</td> </tr> <tr> <td>Radiolarians</td> <td>1</td> </tr> </table>		1, 14	D		Sand	10	Silt	80	Clay	10	Foraminifers	14	Nannofossils	85	Radiolarians	1
	1, 14																												
D																													
Sand	10																												
Silt	80																												
Clay	10																												
Foraminifers	14																												
Nannofossils	85																												
Radiolarians	1																												
	<i>Globorotalia truncatulinoides</i>	A/M	NN21	V-1528	0-09.7	%CaCO ₃ = 80.6	CC	1																					
		A/M	NN20																										
	<i>Collosphaera tuberosa</i>	A/G																											
	NTD 17	A/G-C																											
		A/G-C																											



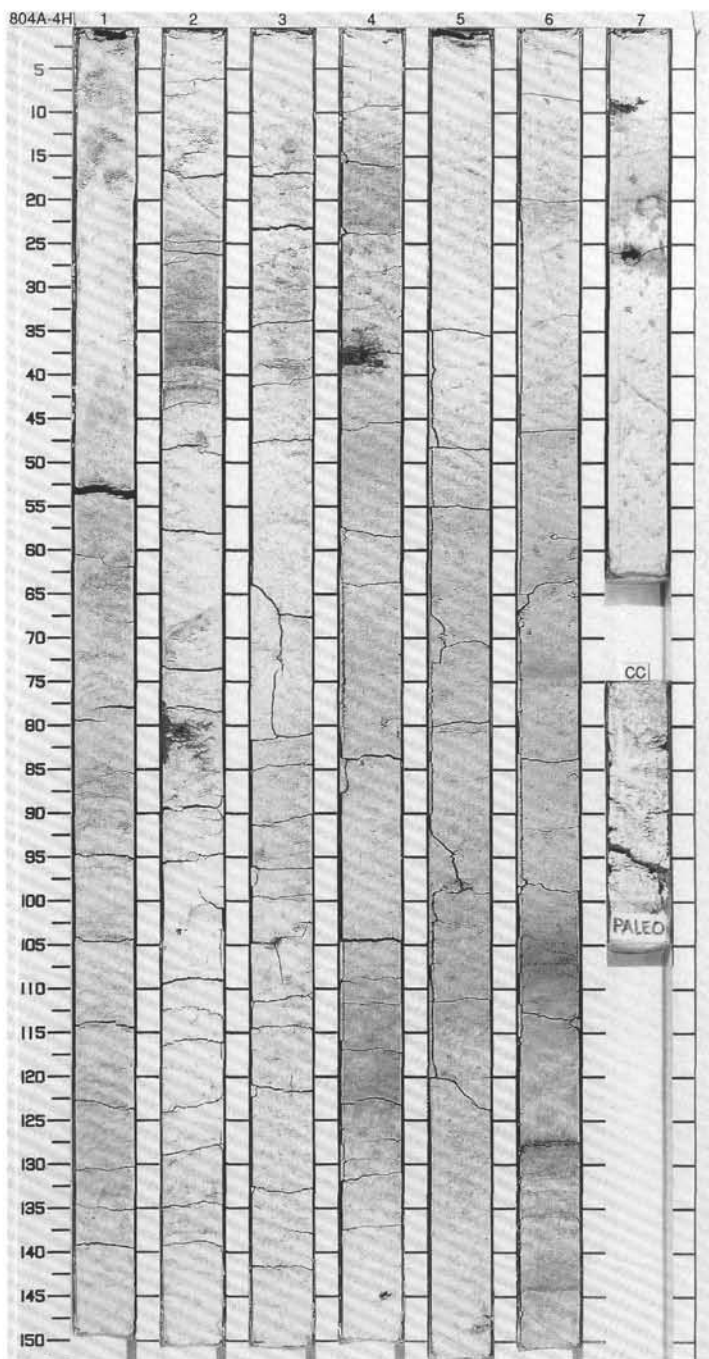
SITE 804 HOLE A CORE 2H CORED INTERVAL 1.2-10.7 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																											
	FORAMINIFERS	NANNOFOSSILS										RADIOLARIANS	DIATOMS																									
PLEISTOCENE	A/M										<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE. The first section is heavily bioturbated and is dominantly very pale brown (10YR 7/3) with pale brown (10YR 6/3) mottling. The lower sections are moderately bioturbated. The color varies between pale brown (10YR 6/3) and very pale brown (10YR 7/3) on a 25 cm scale in Section 2, is very brown (10YR 7/3) in Section 3, and is white (10YR 8/2 to 10YR 8/1) to light gray (10YR 7/2) in the lowest part of the core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.79</td> <td>6.100</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>1</td> <td>1</td> </tr> <tr> <td>Silt</td> <td>95</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>4</td> <td>4</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Diatoms</td> <td>Tr</td> <td>-</td> </tr> <tr> <td>Foraminifers</td> <td>4</td> <td>4</td> </tr> <tr> <td>Nannofossils</td> <td>95</td> <td>95</td> </tr> <tr> <td>Radiolarians</td> <td>1</td> <td>1</td> </tr> </table>		2.79	6.100	D		D	Sand	1	1	Silt	95	95	Clay	4	4	Diatoms	Tr	-	Foraminifers	4	4	Nannofossils	95	95	Radiolarians	1	1
		2.79	6.100																																			
	D		D																																			
	Sand	1	1																																			
	Silt	95	95																																			
	Clay	4	4																																			
	Diatoms	Tr	-																																			
Foraminifers	4	4																																				
Nannofossils	95	95																																				
Radiolarians	1	1																																				
	A/M																																					
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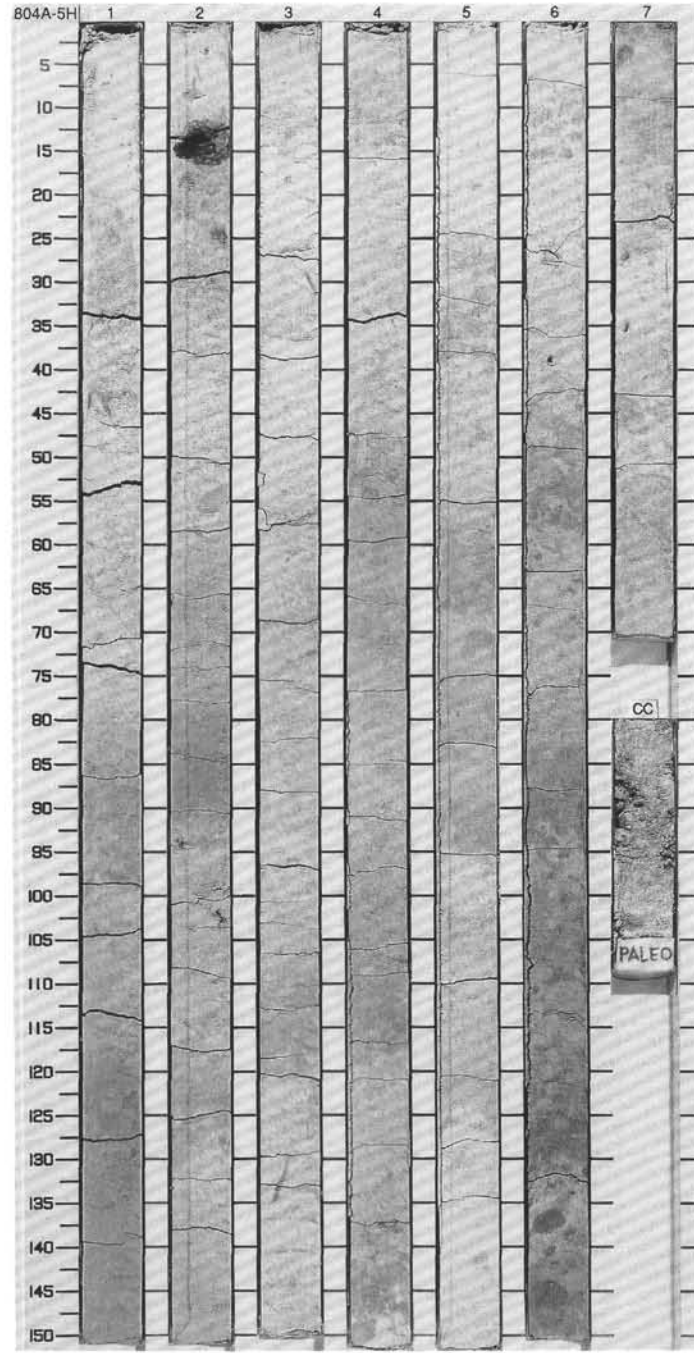


SITE 804 HOLE A CORE 4H CORED INTERVAL 20.2-29.7 mbsf

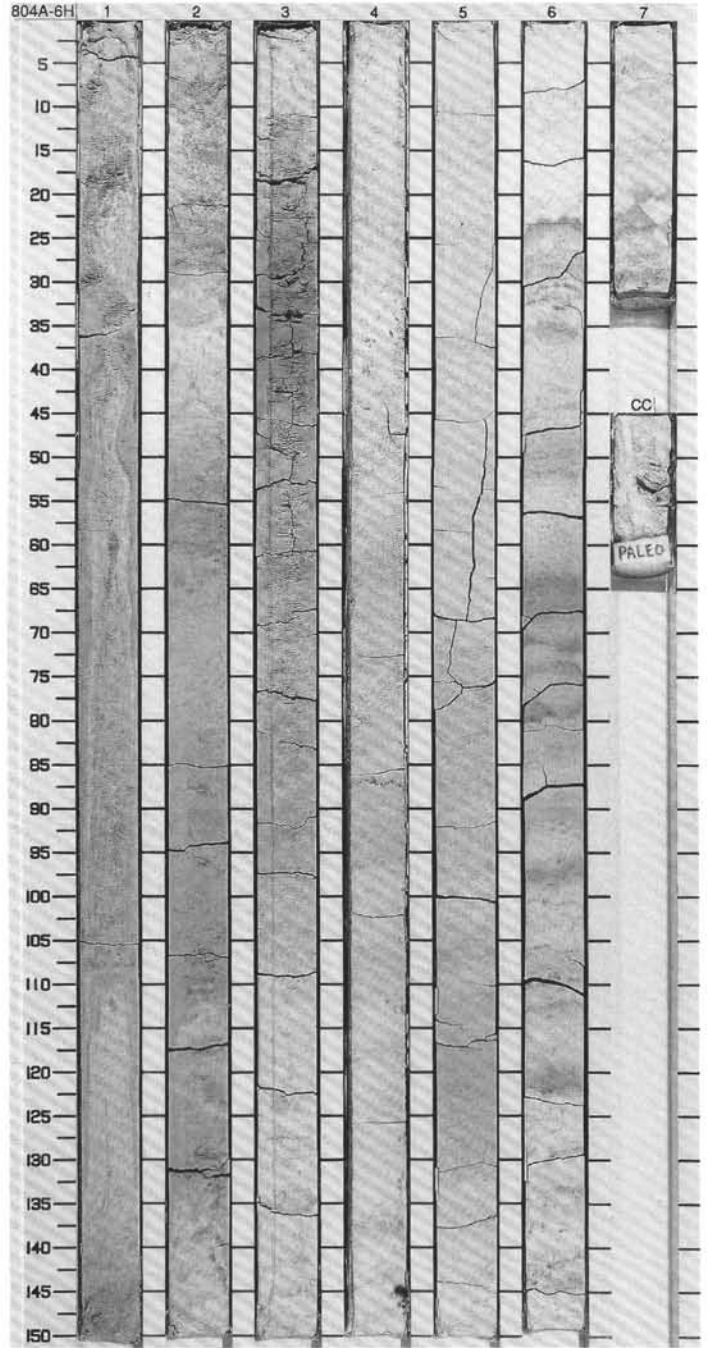
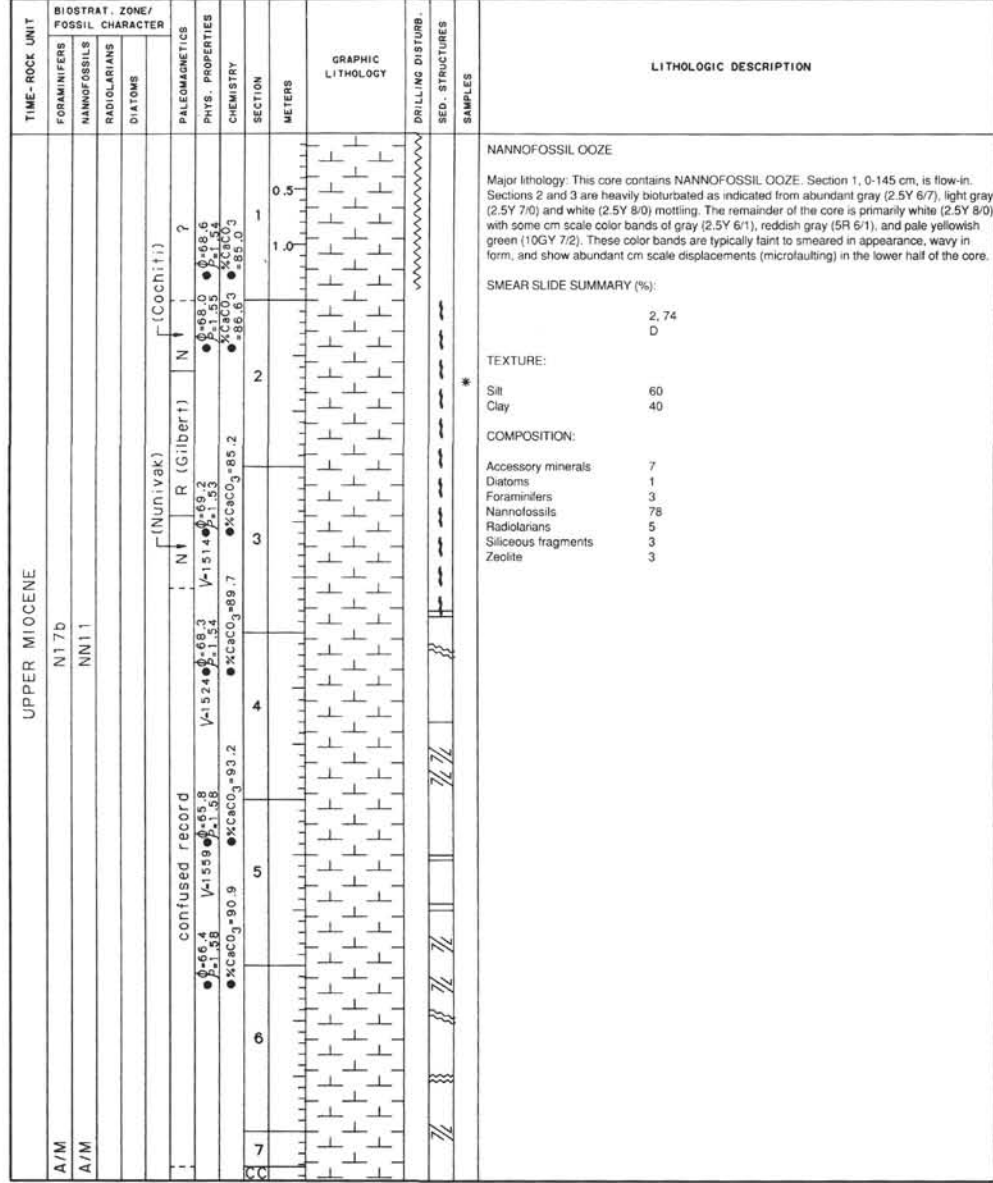
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLIARIANS	DIAZONES								
	PHYS. PROPERTIES											
	UPPER PLIOCENE											
A/M	N21 <i>Godorotalia fosaensis</i>											
A/M	NN17											
					R (Matuyama)							
					N (Gauss, ANOMALY 2A)							
					?							
						1						
						2						
						3						
						4						
						5						
						6						
						7						
						CC						



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS		PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										R	N (Gauss)																						
LOWER PLIOCENE	A/P												<p>NANNOFOSSIL Ooze</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE. Foraminifers locally constitute up to 10% of the sediment. The sediment is moderately to heavily bioturbated and mottled, with isolated mm to cm size pyrite nodules. The dominant color is light gray (5Y 7/1) and mottled colors range from olive (5Y 5/2) to light gray (5Y 7/1). Color bands vary in thickness from 5 mm near the base of Section 3 to 30 cm in Sections 5, 6, and 7, and range in color from gray (2.5Y 6/1) to reddish gray (5R 6/1) to pale yellowish green (10GY 7/2).</p> <p>SMEAR SLIDE SUMMARY (%)</p> <table> <tr><td>Sand</td><td>3.75</td></tr> <tr><td>Silt</td><td>D</td></tr> <tr><td>Clay</td><td>D</td></tr> </table> <p>TEXTURE:</p> <table> <tr><td>Sand</td><td>1</td></tr> <tr><td>Silt</td><td>60</td></tr> <tr><td>Clay</td><td>39</td></tr> </table> <p>COMPOSITION:</p> <table> <tr><td>Diatoms</td><td>1</td></tr> <tr><td>Foraminifers</td><td>7</td></tr> <tr><td>Nannofossils</td><td>71</td></tr> <tr><td>Radiolarians</td><td>3</td></tr> <tr><td>Siliceous fragments</td><td>3</td></tr> <tr><td>Zeolite</td><td>15</td></tr> </table>	Sand	3.75	Silt	D	Clay	D	Sand	1	Silt	60	Clay	39	Diatoms	1	Foraminifers	7	Nannofossils	71	Radiolarians	3	Siliceous fragments	3	Zeolite	15
	Sand	3.75																																			
	Silt	D																																			
	Clay	D																																			
	Sand	1																																			
	Silt	60																																			
	Clay	39																																			
	Diatoms	1																																			
	Foraminifers	7																																			
	Nannofossils	71																																			
	Radiolarians	3																																			
	Siliceous fragments	3																																			
	Zeolite	15																																			
		NN19																																			
		NN15																																			
		(Mammoth) (Kaena?)																																			
		R (Gilbert)																																			
		N (Gauss, ANOMALY 2A)																																			
		R (Gilbert)																																			
		N (Gauss, ANOMALY 2A)																																			
		R (Gilbert)																																			
		N (Gauss, ANOMALY 2A)																																			
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		N (Gauss, ANOMALY 2A)																																			
		R (Gilbert)																																			
		N (Gauss, ANOMALY 2A)																																			

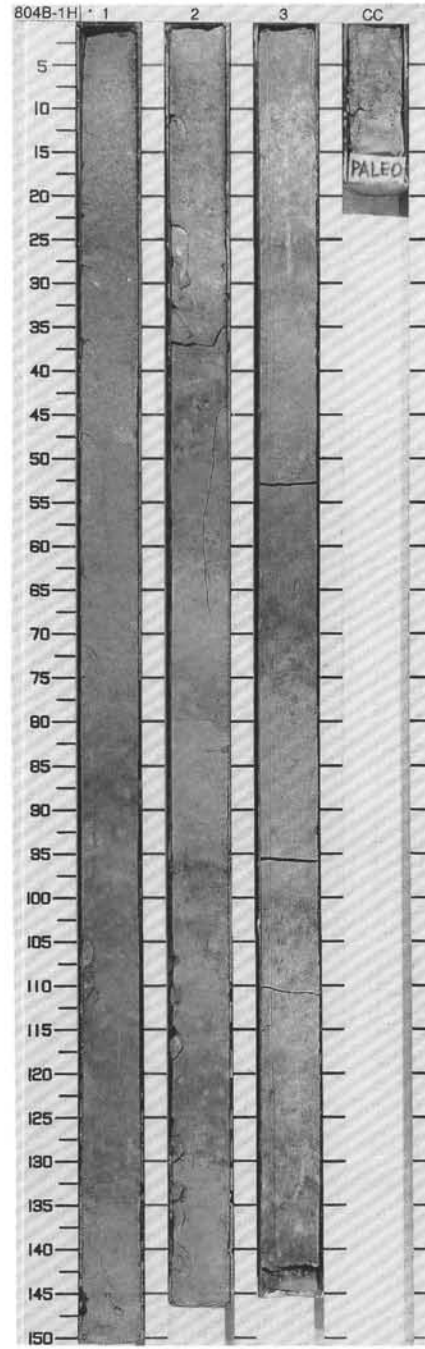


SITE 804 HOLE A CORE 6H CORED INTERVAL 39.2-48.7 mbsf



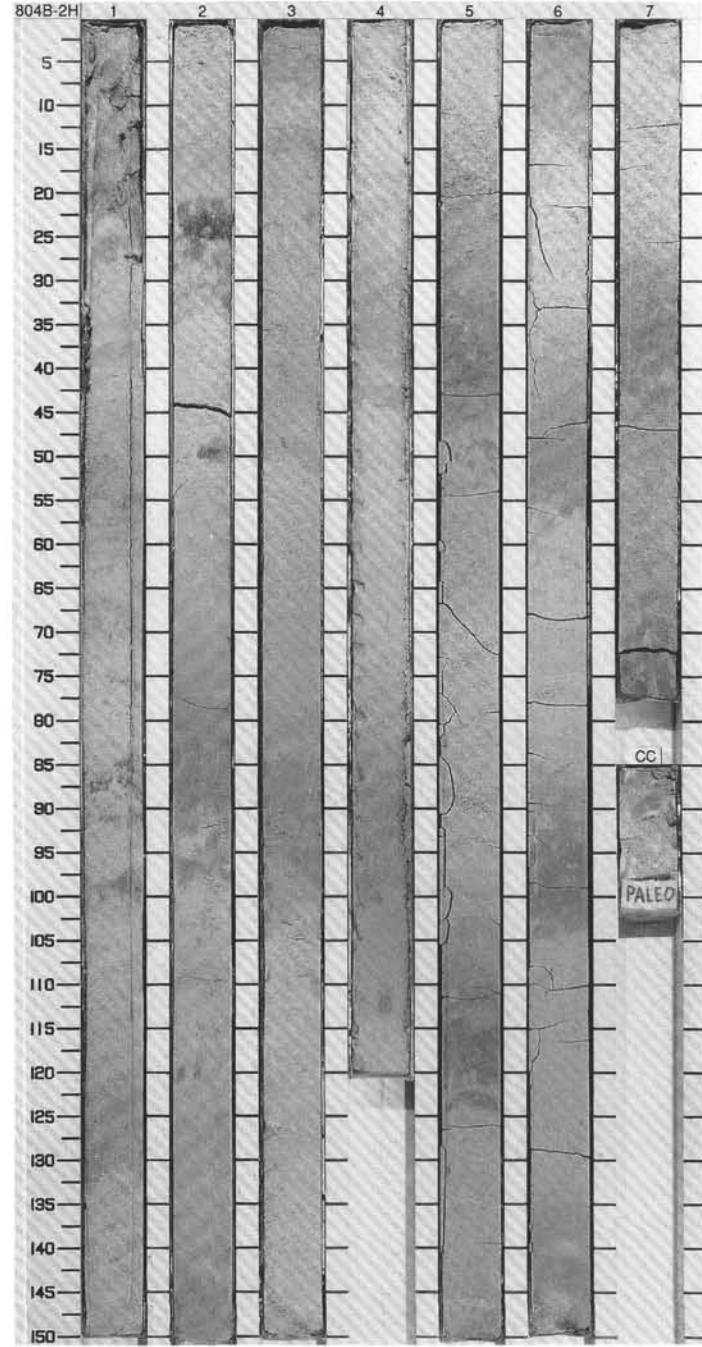
SITE 804 HOLE B CORE 1H CORED INTERVAL 0.0-4.7 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS							
PLEISTOCENE										
A/M	N22 - N23	<i>Gobarotalia truncatulinoides</i>				0.5				<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains heavily bioturbated, mottled, pale yellow (2.5Y 7/4) to light yellowish brown (10YR 6/4) NANNOFOSSIL OOZE with FORAMINIFERS. Color bands in Section 3 are 25 to 35 cm thick and alternate between light gray (2.5Y 8/2) and white (2.5Y 7/2).</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">2.58 D</p> <p>TEXTURE:</p> <p>Sand 5 Silt 55 Clay 40</p> <p>COMPOSITION:</p> <p>Accessory minerals 5 Diatoms 2 Foraminifers 15 Nannofossils 70 Radiolarians 5 Siliceous fragments 3</p>
A/M	NN19					1.0				
						2				
						3				
						CC				

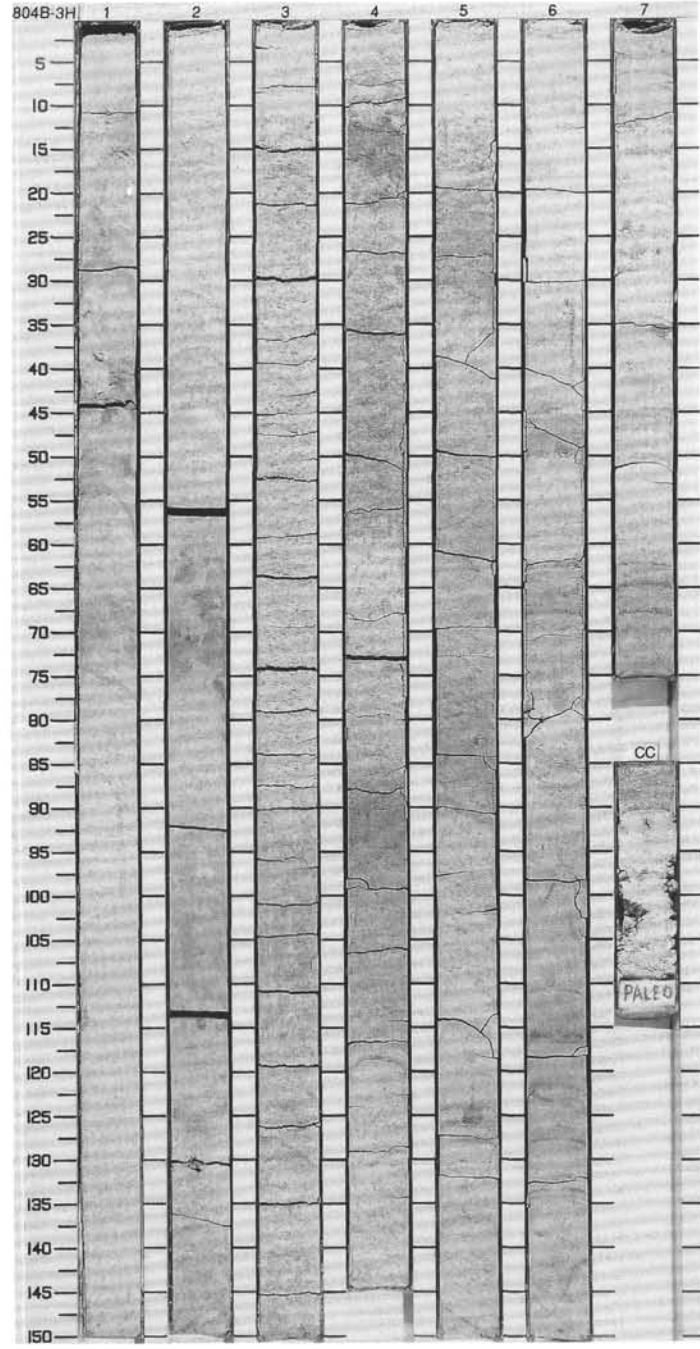


SITE 804 HOLE B CORE 2H CORED INTERVAL 4.7-14.2 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PHYS. PROPERTIES	CHEMISTRY						
PLEISTOCENE											
N22 <i>Globorotalia truncatulinoides</i>											
NN19											
(Jaramillo)											
A/M	N22	N R (Matuyama)	N R (Matuyama)	N R (Matuyama)	N R (Matuyama)	1	0.5				NANNOFOSSIL OOZE with FORAMINIFERS Major lithology: This core contains white (2.5Y 8/2) to light gray (2.5Y 7/2) NANNOFOSSIL OOZE with FORAMINIFERS. It is heavily bioturbated, as indicated by abundant light gray (2.5Y 7/2) mottles that typically occur in zones 25 to 35 cm thick and approximately 60 to 80 cm apart. SMEAR SLIDE SUMMARY (%): 2.110 D TEXTURE: Sand 5 Silt 60 Clay 35 * COMPOSITION: Accessory minerals 3 Diatoms 1 Foraminifers 15 Nannofossils 72 Radiolarians 3 Siliceous fragments 3 Silicoflagellates 3
A/P						2	1.0				
						3					
						4					
						5					
						6					
						7					
											OG
											K1W
											CC
											PALED

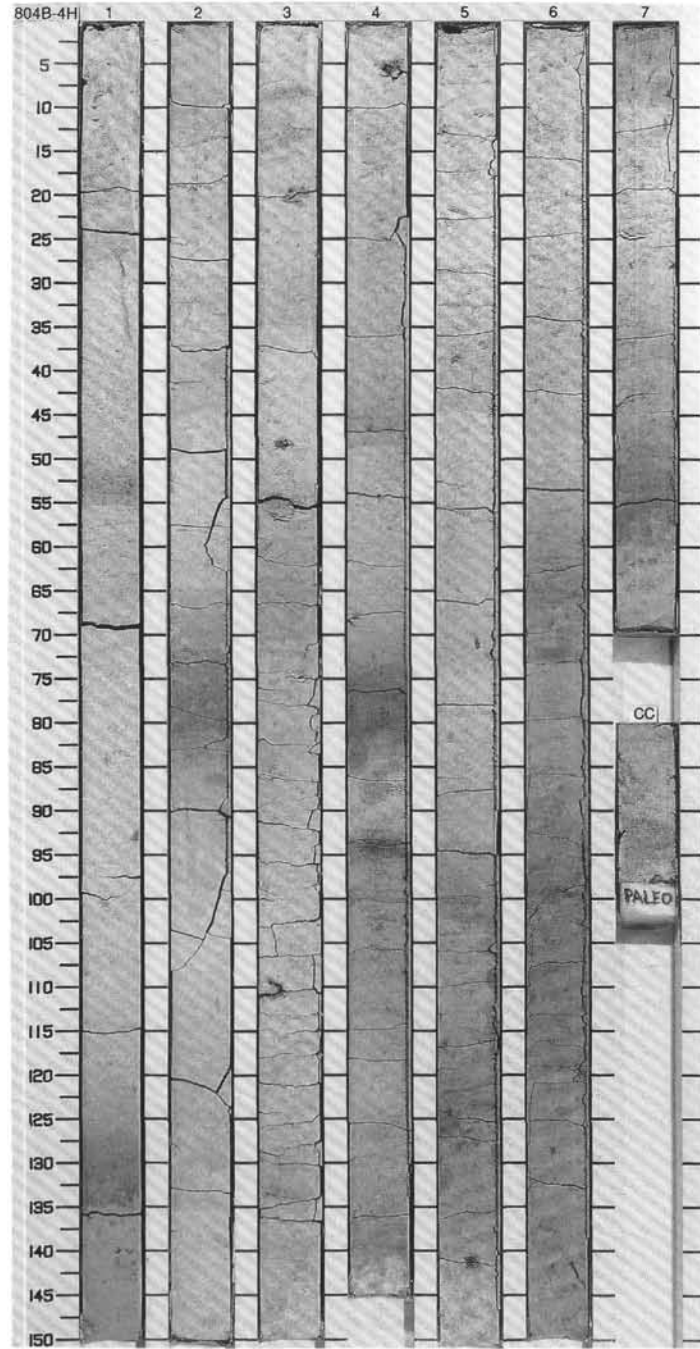


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																												
PLIESTOCENE	UPPER PLIOCENE	FORAMINIFERS	NANNOFOSSILS RADIOLARIANS DIATOMS																																																				
A/P	N22 (basal)	<i>Globorotalia truncatulinoides</i>				1					<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. It is heavily bioturbated, as indicated by abundant mottles. Between Section 1 and Section 4, 85 cm, the sediment is dominantly white (2.5Y 8/2) to light gray (2.5Y 7/2) and exhibits some banding. From Section 4, 85 cm, to the base, 10 to 20 cm thick color bands alternate between white (5Y 8/1) and light gray (5Y 7/1). Within these bands, 2 to 5 mm thick pale yellowish green (10GY 7/2) and light gray (7.5YR 7/0) bands are common every 2 to 5 cm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>4.50</td> <td>4.130</td> <td>7.60</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>—</td> <td>10</td> <td>7</td> </tr> <tr> <td>Silt</td> <td>60</td> <td>55</td> <td>60</td> </tr> <tr> <td>Clay</td> <td>40</td> <td>35</td> <td>33</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Accessory minerals</td> <td>Tr</td> <td>Tr</td> <td>2</td> </tr> <tr> <td>Diatoms</td> <td>—</td> <td>—</td> <td>1</td> </tr> <tr> <td>Foraminifers</td> <td>5</td> <td>25</td> <td>25</td> </tr> <tr> <td>Nannofossils</td> <td>95</td> <td>75</td> <td>69</td> </tr> <tr> <td>Radiolarians</td> <td>Tr</td> <td>Tr</td> <td>1</td> </tr> <tr> <td>Siliceous fragments</td> <td>—</td> <td>—</td> <td>2</td> </tr> </table>		4.50	4.130	7.60	D	D	D	D	Sand	—	10	7	Silt	60	55	60	Clay	40	35	33	Accessory minerals	Tr	Tr	2	Diatoms	—	—	1	Foraminifers	5	25	25	Nannofossils	95	75	69	Radiolarians	Tr	Tr	1	Siliceous fragments	—	—	2
	4.50	4.130	7.60																																																				
D	D	D	D																																																				
Sand	—	10	7																																																				
Silt	60	55	60																																																				
Clay	40	35	33																																																				
Accessory minerals	Tr	Tr	2																																																				
Diatoms	—	—	1																																																				
Foraminifers	5	25	25																																																				
Nannofossils	95	75	69																																																				
Radiolarians	Tr	Tr	1																																																				
Siliceous fragments	—	—	2																																																				
A/M	NN18					2																																																	
	(Reunion)	N	N (Oiduvai, ANOMALY 2)	R (Matuyama)		3																																																	
		R (Matuyama)				4																																																	
		N				5																																																	
		R (Matuyama)				6																																																	
		N?				7																																																	
		CC																																																					

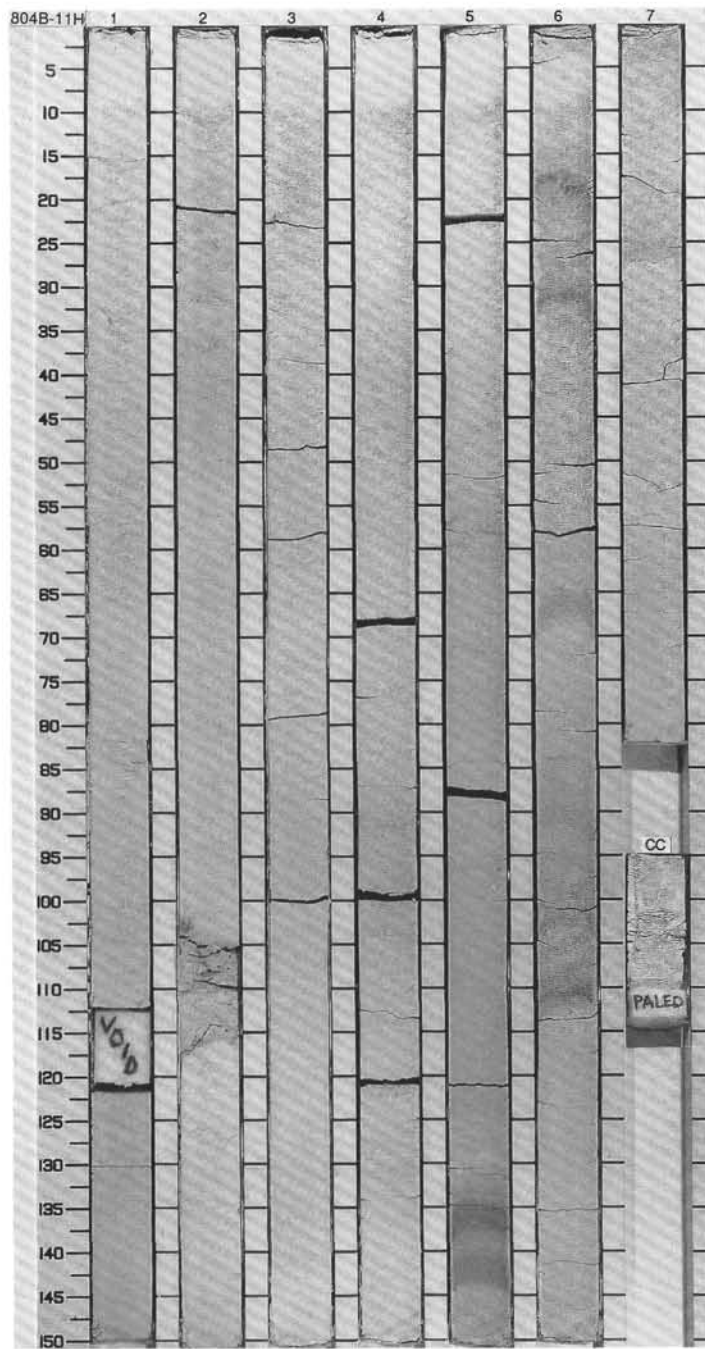


SITE 804 HOLE B CORE 4H CORED INTERVAL 23.7-33.2 mbsf

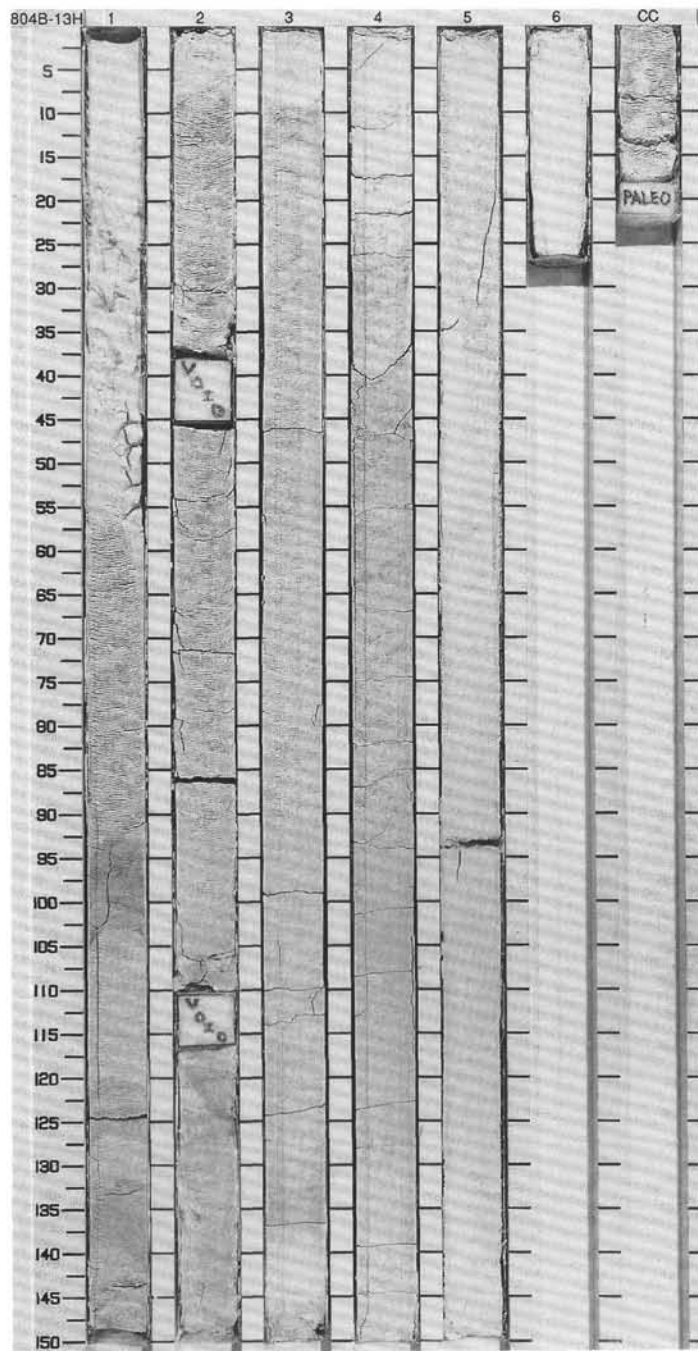
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION	
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS									
	PHYS. PROPERTIES												CHEMISTRY
	TEXTURE												
UPPER PLIOCENE	N21 <i>Globorobulba fosuensis</i>				R (Matuyama)	1	0.5 1.0	[Lithographic symbols]	---			NANNOFOSSIL OOZE with FORAMINIFERS	
	C/P	N21 <i>Globorobulba fosuensis</i>											N
A/M	NN16				N (Gauss, ANOMALY 2A)	3	[Lithographic symbols]	---		* LW		SMEAR SLIDE SUMMARY (%):	
	R (Mammoth)			N									4
	N21 <i>Globorobulba fosuensis</i>				R (Kaena)	5	[Lithographic symbols]	---				TEXTURE:	
	N			R									6
	N21 <i>Globorobulba fosuensis</i>				N	7	[Lithographic symbols]	---				COMPOSITION:	
	N			R									7



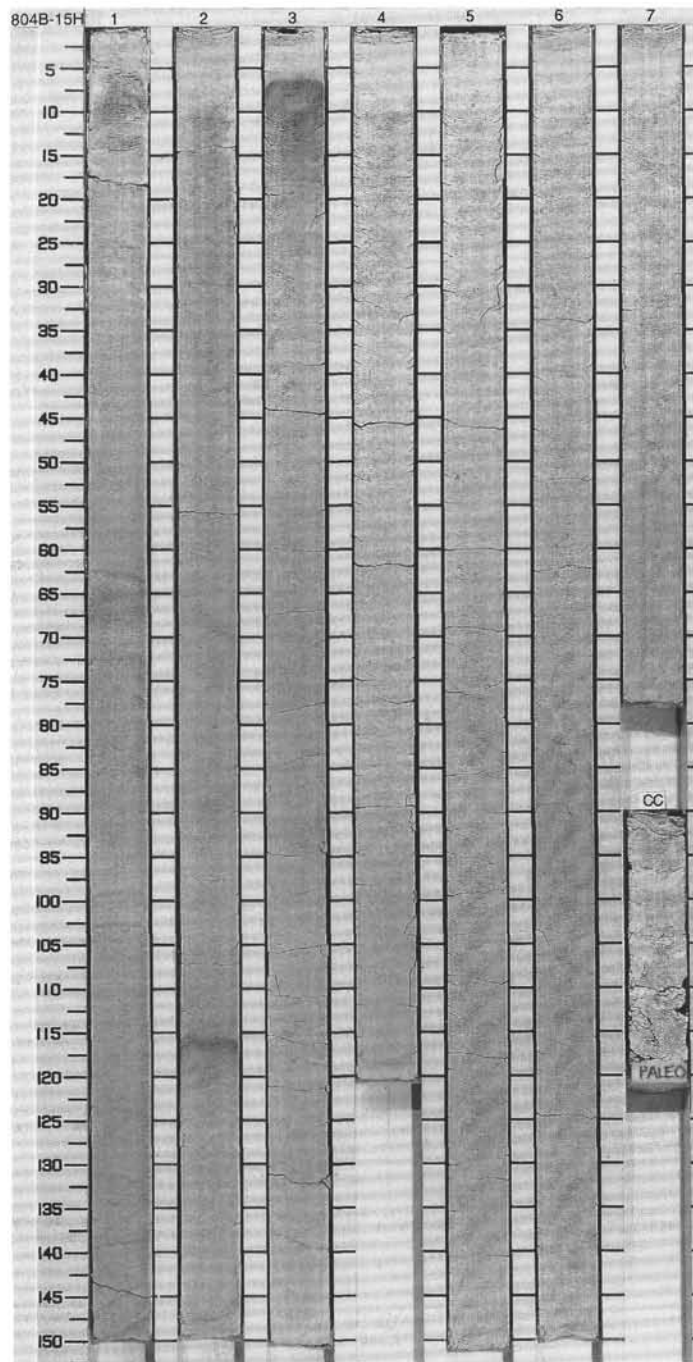
TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																												
FORAMINIFERS	NANNOFOSSILS												RADIOLARIANS	DIATOMS																																																										
UPPER MIOCENE																																																																								
A/G	N16											<p>NANNOFOSSIL Ooze and NANNOFOSSIL Ooze with FORAMINIFERS</p> <p>Major lithology: This core contains NANNOFOSSIL Ooze, which grades into NANNOFOSSIL Ooze with FORAMINIFERS in Section 2. The core is white (2.5Y N8), faintly mottled and is more uniform and less banded than the overlying cores. Broad pale blue (5PB 7/2) color bands are present in Sections 5-7.</p> <p>Minor lithology: Section 2, 105-115 cm, contains NANNOFOSSIL FORAMINIFER Ooze. The interval has a sharp base and grades upward into FORAMINIFER NANNOFOSSIL Ooze.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.76</td> <td>2.107</td> <td>2.115</td> <td>6.17</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> <td>M</td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>2</td> <td>20</td> <td>30</td> <td>2</td> </tr> <tr> <td>Silt</td> <td>95</td> <td>75</td> <td>65</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>5</td> <td>5</td> <td>3</td> </tr> </table> <p>COMPOSITION</p> <table border="1"> <tr> <td>Bioclast</td> <td>-</td> <td>10</td> <td>10</td> <td>Tr</td> </tr> <tr> <td>Diatoms</td> <td>Tr</td> <td>Tr</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Feldspar</td> <td>-</td> <td>-</td> <td>-</td> <td>1</td> </tr> <tr> <td>Foraminifers</td> <td>3</td> <td>30</td> <td>45</td> <td>8</td> </tr> <tr> <td>Nannofossils</td> <td>90</td> <td>55</td> <td>35</td> <td>90</td> </tr> <tr> <td>Radiolarians</td> <td>7</td> <td>5</td> <td>8</td> <td>1</td> </tr> <tr> <td>Spicules</td> <td>Tr</td> <td>Tr</td> <td>1</td> <td>Tr</td> </tr> </table>		2.76	2.107	2.115	6.17	D		M	M	M	Sand	2	20	30	2	Silt	95	75	65	95	Clay	3	5	5	3	Bioclast	-	10	10	Tr	Diatoms	Tr	Tr	1	Tr	Feldspar	-	-	-	1	Foraminifers	3	30	45	8	Nannofossils	90	55	35	90	Radiolarians	7	5	8	1	Spicules	Tr	Tr	1	Tr
	2.76	2.107	2.115	6.17																																																																				
D		M	M	M																																																																				
Sand	2	20	30	2																																																																				
Silt	95	75	65	95																																																																				
Clay	3	5	5	3																																																																				
Bioclast	-	10	10	Tr																																																																				
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Nannofossils	90	55	35	90																																																																				
Radiolarians	7	5	8	1																																																																				
Spicules	Tr	Tr	1	Tr																																																																				
				V=1585 81.5.6 ●%CaCO ₃ -83.3			0.5																																																																	
				V=1592 81.5.8 ●%CaCO ₃ -80.1			1.0	VOID																																																																
				V=1592 81.5.9 ●%CaCO ₃ -89.2			2			*																																																														
				V=1592 81.5.10 ●%CaCO ₃ -89.2			3			**																																																														
				V=1592 81.5.11 ●%CaCO ₃ -89.2			4			**																																																														
				V=1603 89.8 ●%CaCO ₃ -89.8			5			*																																																														
				V=1603 89.0 ●%CaCO ₃ -89.0			6			*																																																														
				V=1584 81.5 ●%CaCO ₃ -81.5			7			*																																																														
				V=1614 82.2 ●%CaCO ₃ -81.5			CC																																																																	



TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER MIOCENE	N16 ?	NN9						1	0.5					<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains white (2.5Y 8/0) NANNOFOSSIL OOZE. Section 1, 0-55 cm, and Section 5, 37 cm to CC are flow-in. The remainder of the core is slightly to moderately bioturbated and contains light gray (7N) color banding. Color bands are inclined to slightly contorted in Sections 1 and 2.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>3.77 D</p> <p>TEXTURE:</p> <p>Sand 2 Silt 95 Clay 3</p> <p>COMPOSITION:</p> <p>Accessory minerals Tr Bioclast Tr Diatoms Tr Foraminifers 2 Nannofossils 95 Radiolarians 2 Spicules 1</p>
F/P					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	1	1.0						
A/M					V-1611-61.3 P-1.66 XCCO ₃ -91.1	V-1611-61.3 P-1.67 XCCO ₃ -92.5	2							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	3							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	4							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	5							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	6							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	7							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	8							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	9							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	10							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	11							
					V-1611-63.4 P-1.68 XCCO ₃ -91.1	V-1611-63.4 P-1.67 XCCO ₃ -89.9	12							

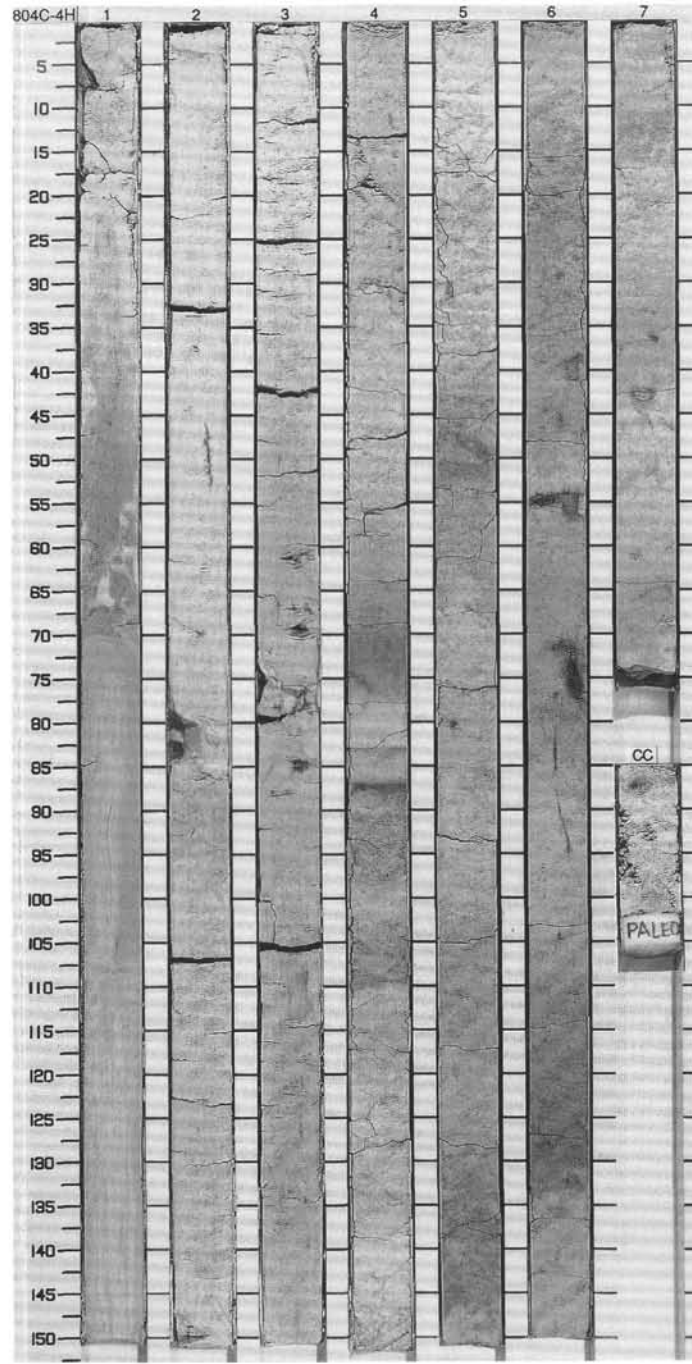


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
UPPER MIOCENE ?													
C/P													
A/P	?	NN9											
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1591 P ₁ 64.1 ●%CaCO ₃ =92.9	1	0.5					
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	2	1.0					
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	3						
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	4						
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	5						
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	6						
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	7						
					V-1586 P ₁ 63.8 ●%CaCO ₃ =80.4	V-1588 P ₁ 63.2 ●%CaCO ₃ =91.2	CC						

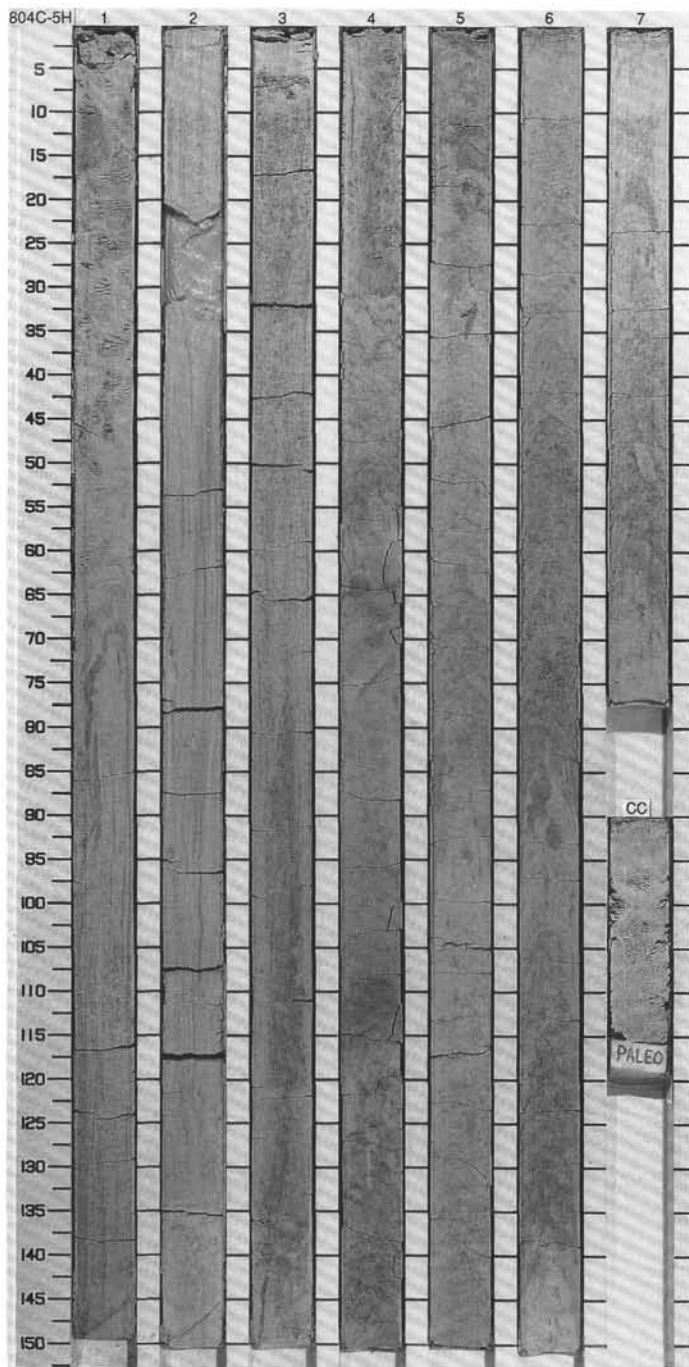


SITE 804 HOLE C CORE 4H CORED INTERVAL 25.3-34.8 mbsf

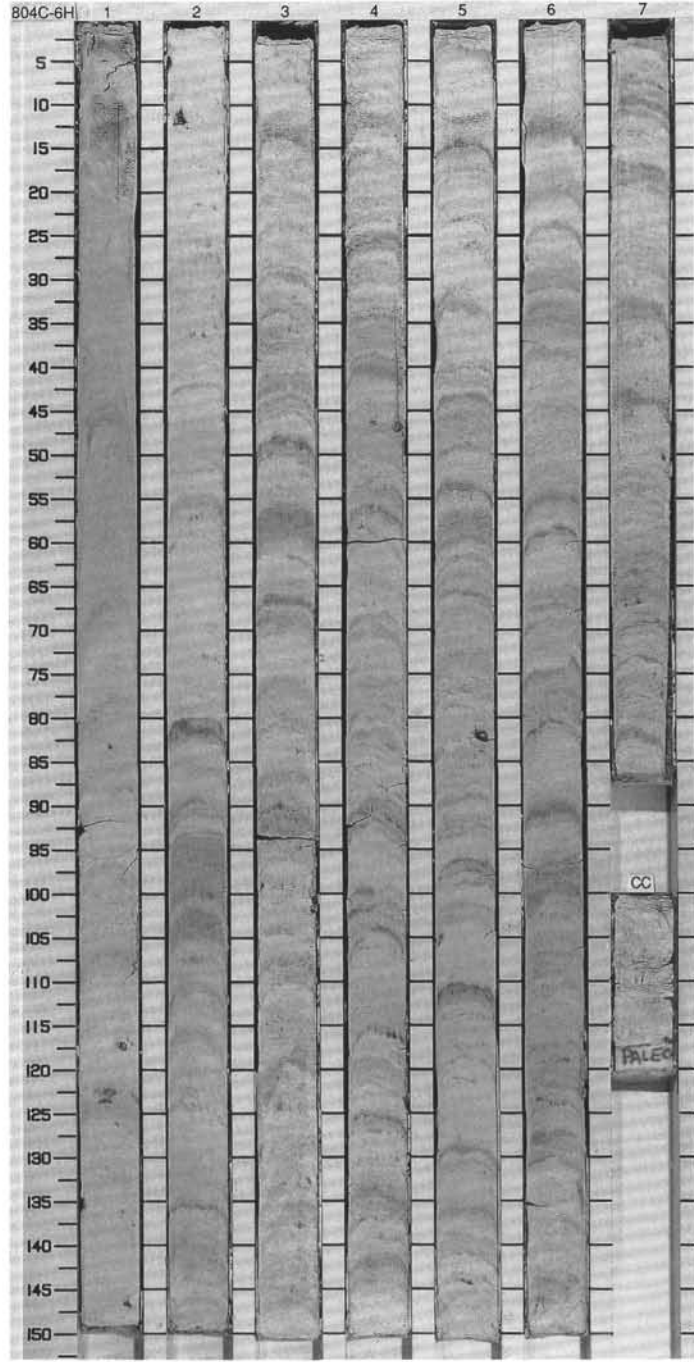
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS										
UPPER PLOCENE													
C/P	basal N21 / uppermost N19												<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS. Sections 1 through 4, 40 cm, contain flow in. The remaining sediments alternate between white (5Y 8/1) and light gray (5Y 7/1). Color contacts are gradational and color intervals are approximately of 10 to 35 cm thick and spaced about 40 cm apart. The degree of mottling and pyritized burrow infills suggests that the sediment has been moderately to heavily bioturbated.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="margin-left: 40px;">5.75 D</p> <p>TEXTURE:</p> <p>Sand 10 Silt 50 Clay 40</p> <p>COMPOSITION:</p> <p>Accessory minerals 2 Foraminifers 15 Nannofossils 83</p>
A/M	NN16												
A/G	<i>Spongaster penfas</i>												
A/G	NTD 15 <i>Rhizosolenia praebergonii</i>												
	(Mammoth)												
	N (Gauss)	R	N (Gauss)	N (Gauss)									
	$\chi=1528$	$\chi=68.4$	$\chi=1528$	$\chi=1528$									
CC													



TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																						
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																																
LOWER PLIOCENE																																			
C/P	N1 B?																																		
A/M	NN1 4?																																		
A/G	<i>Spongaster pentas</i>																																		
A/G	?NTD 14 (<i>Nitzschia jouseae</i>) - NTD 13 (<i>Thalassiosira convexa</i>)																																		
disturbed																																			
1																																			
2																																			
3																																			
4																																			
5																																			
6																																			
7																																			
CC																																			
<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains flow-in. Sections 1 through 3 and 6 through 7 are highly disturbed due to flow-in. From Section 4, 35 cm, to Section 6, 60 cm, drilling disturbance is moderate. The lithology within this interval is light gray (5Y 7/1) and heavily bioturbated NANNOFOSSIL OOZE with FORAMINIFERS.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>5, 30</td> </tr> <tr> <td></td> <td>0</td> </tr> </table> <p>TEXTURE:</p> <table border="0"> <tr> <td>Sand</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>65</td> </tr> <tr> <td>Clay</td> <td>30</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Accessory minerals</td> <td>3</td> </tr> <tr> <td>Diatoms</td> <td>2</td> </tr> <tr> <td>Foraminifers</td> <td>15</td> </tr> <tr> <td>Nannofossils</td> <td>74</td> </tr> <tr> <td>Radiolarians</td> <td>3</td> </tr> <tr> <td>Siliceous fragments</td> <td>3</td> </tr> </table>															5, 30		0	Sand	5	Silt	65	Clay	30	Accessory minerals	3	Diatoms	2	Foraminifers	15	Nannofossils	74	Radiolarians	3	Siliceous fragments	3
	5, 30																																		
	0																																		
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Foraminifers	15																																		
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Radiolarians	3																																		
Siliceous fragments	3																																		

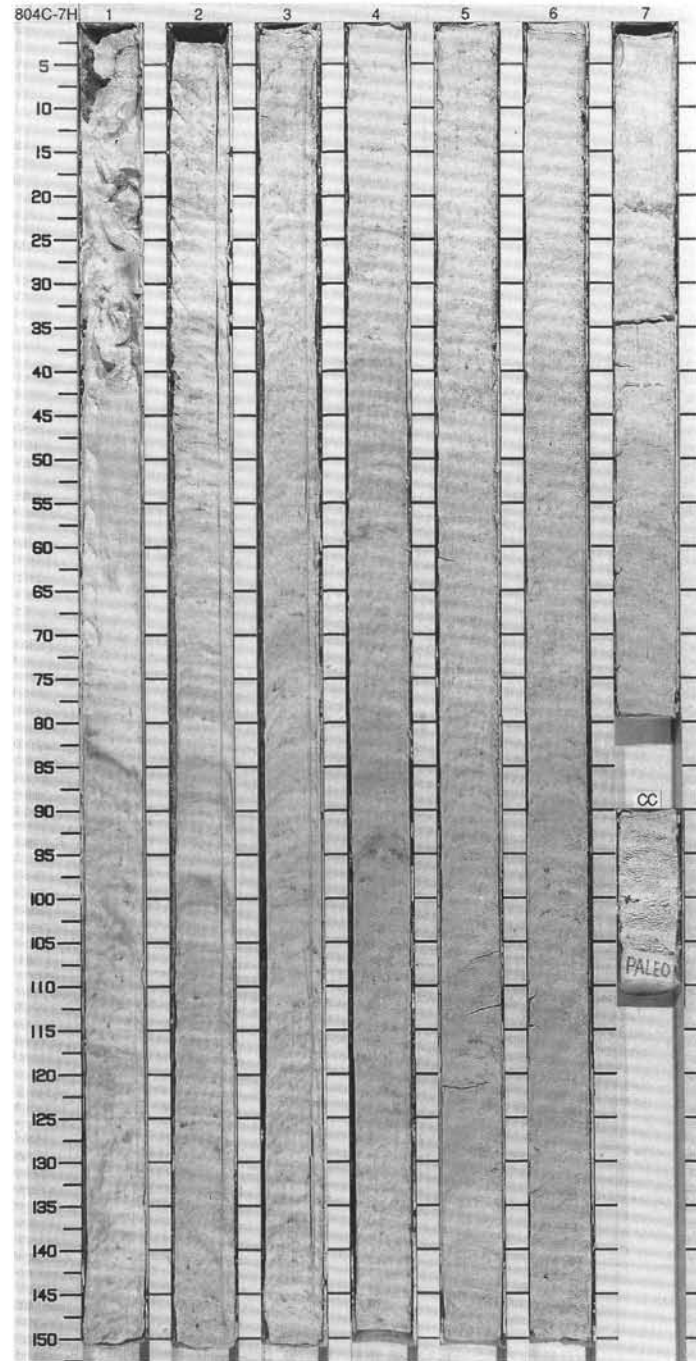


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																						
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																															
UPPER MIOCENE																																		
C/M	N17a							0.5				<p>NANNOFOSSIL OOZE</p> <p>Major lithology. This core consists of white (2.5Y 8/0) NANNOFOSSIL OOZE (Section 1, 0-50 cm, is flow-in. The core catcher is also highly disturbed). Abundant, irregular and wavy, mm to cm thick color bands are noted throughout the core. Most of the bands are gray (7.5R 6/0) or green (10GY 7/2), but a few white (2.5Y 8/2) bands are noted. All show gradational color contacts. Microfaulting was observed in Sections 3, 5, 6 and 7. Moderate bioturbation is indicated by mottles, pyritized burrow fills and disseminated pyrite.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td></td><td>3, 74</td></tr> <tr><td>0</td><td></td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Sand</td><td>5</td></tr> <tr><td>Silt</td><td>60</td></tr> <tr><td>Clay</td><td>35</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Accessory minerals</td><td>Tr</td></tr> <tr><td>Diatoms</td><td>Tr</td></tr> <tr><td>Foraminifers</td><td>2</td></tr> <tr><td>Nannofossils</td><td>97</td></tr> <tr><td>Radiolarians</td><td>Tr</td></tr> <tr><td>Siliceous fragments</td><td>1</td></tr> </table>		3, 74	0		Sand	5	Silt	60	Clay	35	Accessory minerals	Tr	Diatoms	Tr	Foraminifers	2	Nannofossils	97	Radiolarians	Tr	Siliceous fragments	1
	3, 74																																	
0																																		
Sand	5																																	
Silt	60																																	
Clay	35																																	
Accessory minerals	Tr																																	
Diatoms	Tr																																	
Foraminifers	2																																	
Nannofossils	97																																	
Radiolarians	Tr																																	
Siliceous fragments	1																																	
A/P	NN11						1.0																											
A/G	<i>Spongaster peregrina</i>						2																											
A/G	NTD 12a <i>Nitzschia miocenica</i>						3																											
				N			4																											
							5																											
							6																											
							7																											
							CC																											



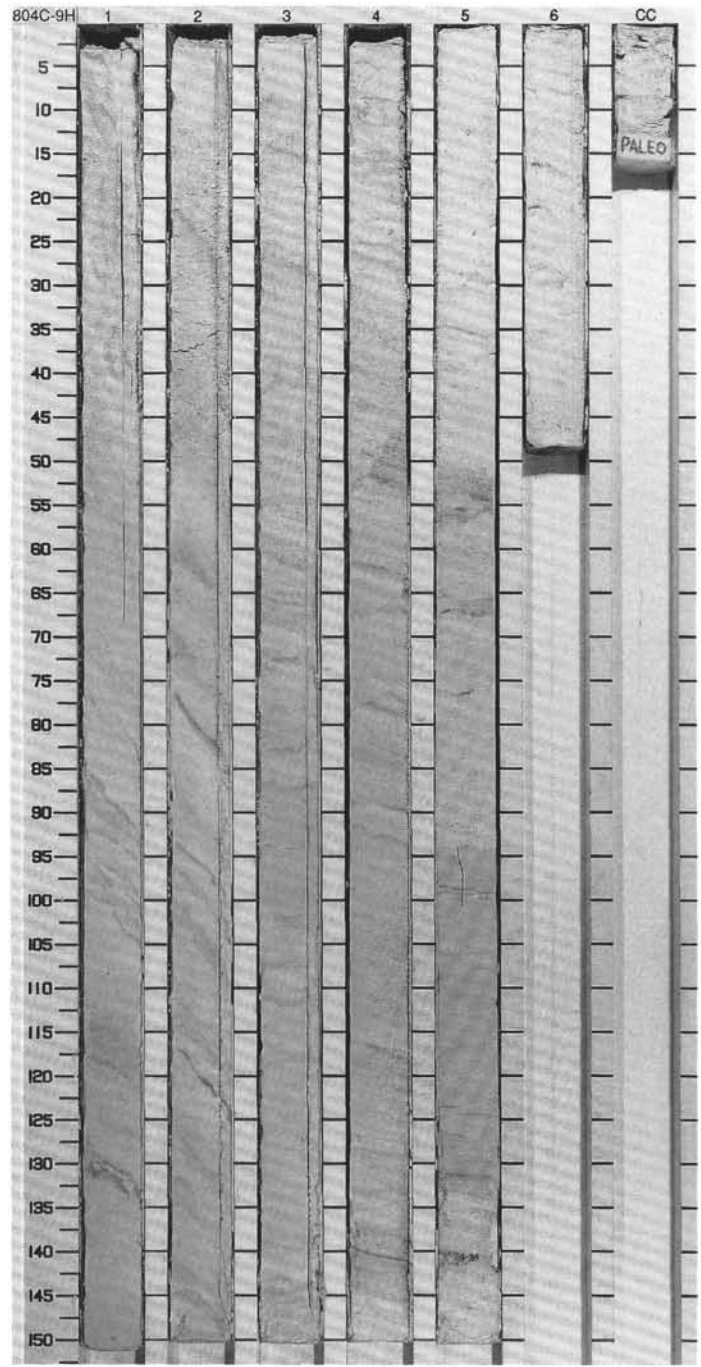
SITE 804 HOLE C CORE 7H CORED INTERVAL 53.8-63.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS							
UPPER MIOCENE										
C/M	N17a									
A/P	NN11									
A/G		<i>Didymocyrtis penultima</i>								
				V-1542 ● 0.43.4 P-1.62						
				● 0.59.4 V-1550 P-1.70						
				● 0.82.8 V-1552 P-1.63						
				● 1.535 ● 0.61.7 P-1.65						
				V-1521 ● 0.62.1 P-1.66						
CC										



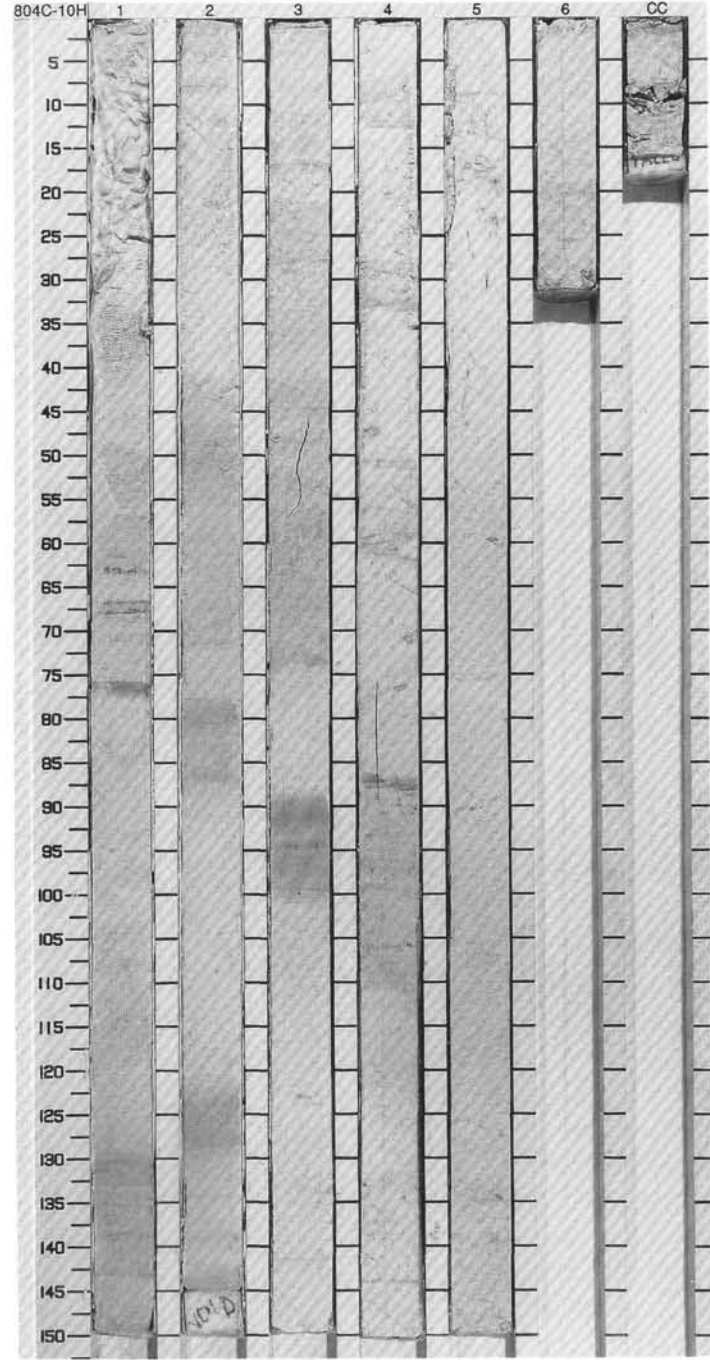
SITE 804 HOLE C CORE 9H CORED INTERVAL 72.8-82.3 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS							
UPPER MIOCENE										
F/M	N16 - N17a	NN10		V-1545 ϕ 3.0 P-1.63		0.5				<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains slightly to moderately bioturbated, white (2.5Y 8/0) NANNOFOSSIL OOZE. Sections 1 through 4 display abundant tilted, reddish gray (5R 6/1), pale blue (5PB 7/2), pale blue green (5BG 7/2), and green (10GY 6/1) color bands. In Sections 3 and 5, color bands display mm to cm size microfaults.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">3.89 D</p> <p>TEXTURE:</p> <p>Sand 5 Silt 80 Clay 15</p> <p>COMPOSITION:</p> <p>Accessory minerals 1 Diatoms 1 Foraminifers 5 Nannofossils 86 Radiolarians 5 Silicoflagellates 1 Spicules 1</p>
A/P				V-1545 ϕ 3.0 P-1.63		1.0				
A/G	<i>Didymocyrtis antepennultima</i>			V-1545 ϕ 3.0 P-1.63		2				
A/G				V-1545 ϕ 3.0 P-1.63		3				
				V-1545 ϕ 3.0 P-1.63		4				
				V-1545 ϕ 3.0 P-1.63		5				
CC				V-1545 ϕ 3.0 P-1.63		6				



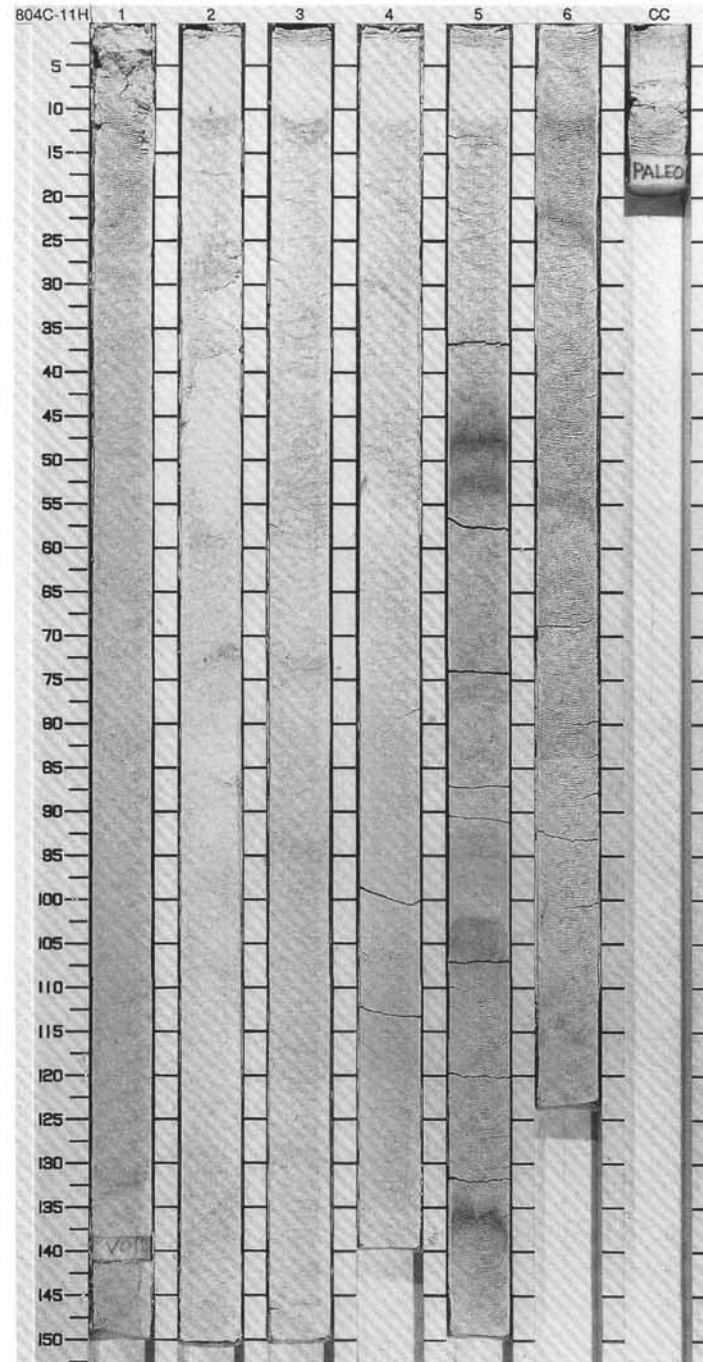
SITE 804 HOLE C CORE 10H CORED INTERVAL 82.3-91.8 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	BED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																							
F/P	FORAMINIFERS																																																		
A/P	NT6	NN10				1	0.5					<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains slightly to heavily bioturbated white (2.5Y 8/0) NANNOFOSSIL OOZE. Faint pale blue (5PB 7/2), pale purple (5P 6/2), and white (5YR 8/1) color bands are common throughout. Some color bands in Section 3 are heavily bioturbated.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.92</td> <td>5.84</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>2</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>95</td> <td>90</td> </tr> <tr> <td>Clay</td> <td>3</td> <td>5</td> </tr> </table> <p>* COMPOSITION:</p> <table border="1"> <tr> <td>Accessory minerals</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Bioclast</td> <td>—</td> <td>1</td> </tr> <tr> <td>Diatoms</td> <td>1</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>2</td> <td>3</td> </tr> <tr> <td>Nannofossils</td> <td>94</td> <td>93</td> </tr> <tr> <td>Radiolarians</td> <td>2</td> <td>3</td> </tr> <tr> <td>Silicoflagellates</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Spicules</td> <td>1</td> <td>Tr</td> </tr> </table>		2.92	5.84	D	D	D	Sand	2	5	Silt	95	90	Clay	3	5	Accessory minerals	Tr	Tr	Bioclast	—	1	Diatoms	1	Tr	Foraminifers	2	3	Nannofossils	94	93	Radiolarians	2	3	Silicoflagellates	Tr	Tr	Spicules	1	Tr
	2.92	5.84																																																	
D	D	D																																																	
Sand	2	5																																																	
Silt	95	90																																																	
Clay	3	5																																																	
Accessory minerals	Tr	Tr																																																	
Bioclast	—	1																																																	
Diatoms	1	Tr																																																	
Foraminifers	2	3																																																	
Nannofossils	94	93																																																	
Radiolarians	2	3																																																	
Silicoflagellates	Tr	Tr																																																	
Spicules	1	Tr																																																	
A/G						2	1.0																																												
A/G		NTD 10b <i>Coscinodiscus yabei</i>				3																																													
			V-1552 ^{0.62.1} _{1.65}	V-1549 ^{0.63.6} _{1.62}	V-1543 ^{0.63.3} _{1.63}	4																																													
			V-1559 ^{0.62.8} _{1.63}			5																																													
C/C						6																																													



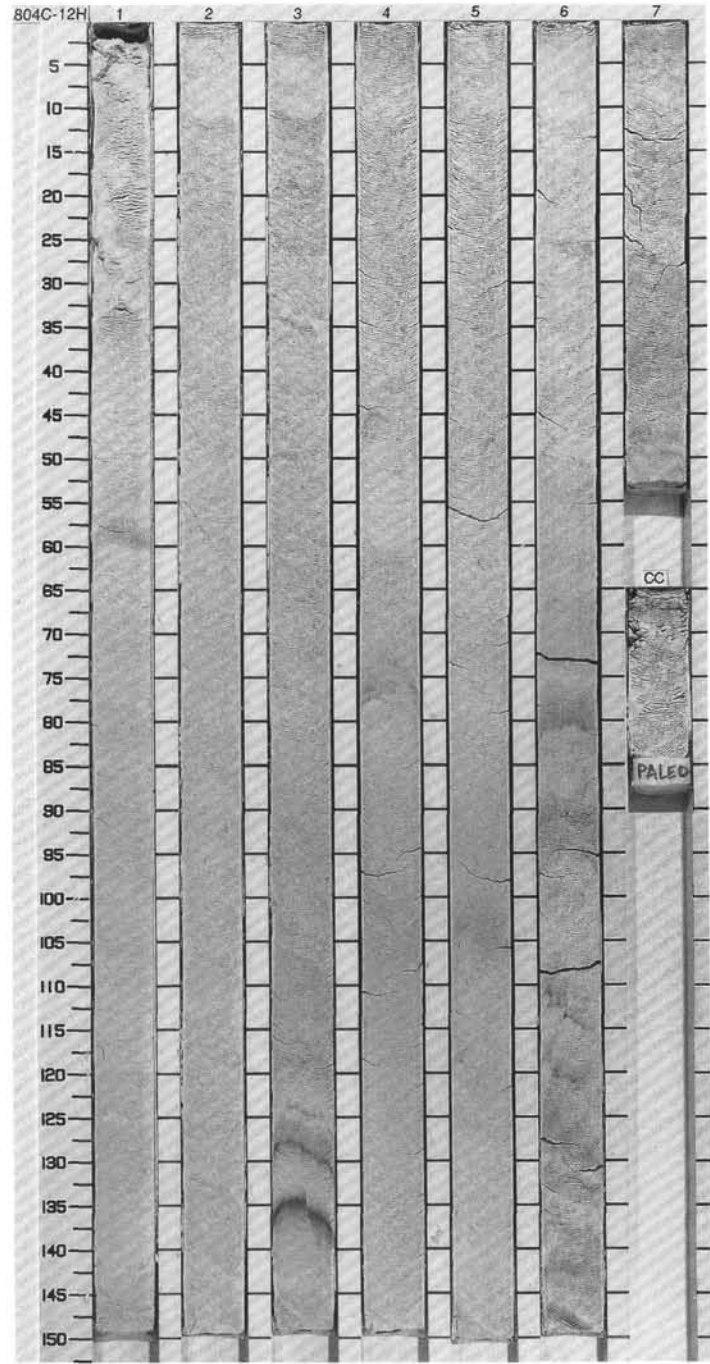
SITE 804 HOLE C CORE 11H CORED INTERVAL 91.8-101.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS								
UPPER MIOCENE												
A/M	N16											
A/P	NN9											
A/G	<i>Didymocyrtis antepenultima</i>											
A/M -G	NTD 10a	<i>Coccolinodiscus yabei</i>										
V-1581 P-1.72	V-1588 P-1.57	V-1570 P-1.63	V-1552 P-1.51	V-1556 P-1.66	V-1552 P-1.51	V-1552 P-1.51						
CC												



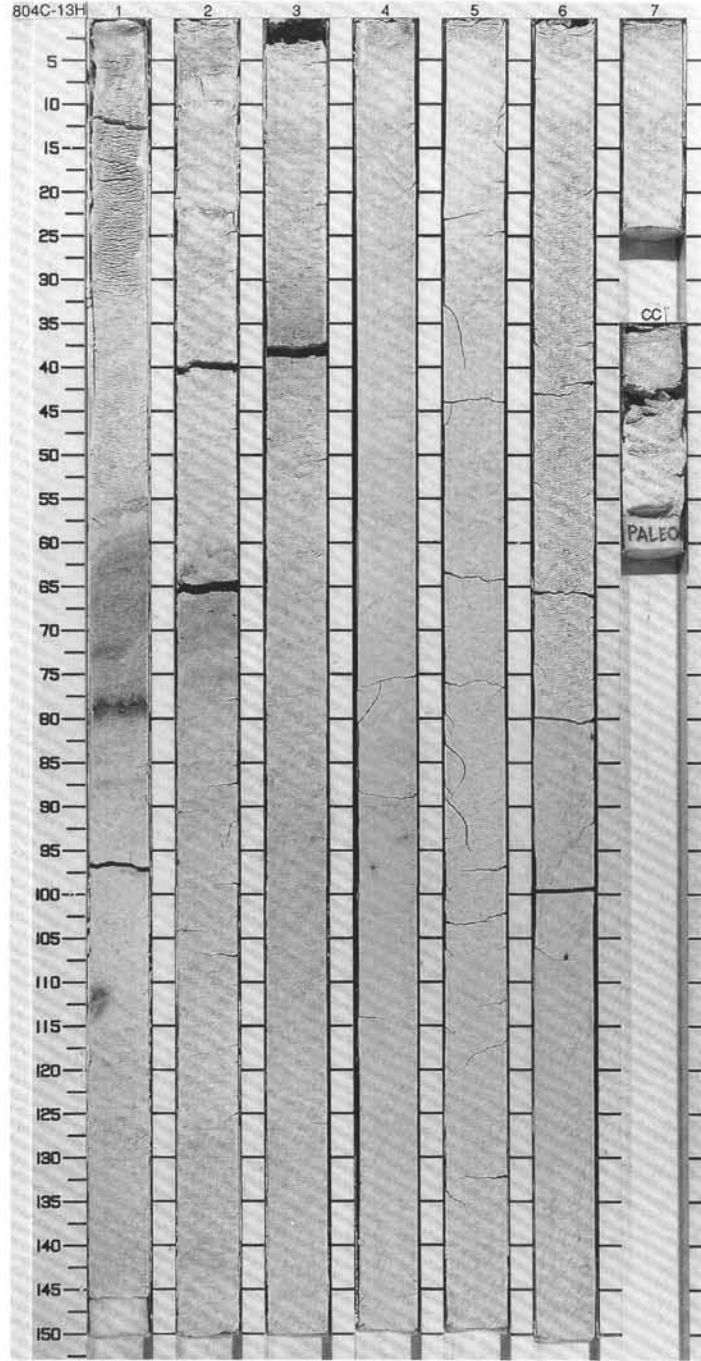
SITE 804 HOLE C CORE 12H CORED INTERVAL 101.3-110.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
UPPER MIOCENE								1	0.5					<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains white (2.5Y 8/0), slightly to heavily bioturbated NANNOFOSSIL OOZE. Faint pale blue (5PB 7/2), pale purple (5RP 7/2), and grayish blue (5PB 5/2) color bands are present in Sections 3, 6 and 7. Microfaults are evident in Section 3, 6 and 7.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="padding-left: 40px;">2.80 0</p> <p>TEXTURE:</p> <p>Sand 7 Silt 70 Clay 23</p> <p>COMPOSITION:</p> <p>Foraminifers 5 Nannofossils 90 Radiolarians 5 Volcanic ash 1r</p>
C/P	N16				V-1611	80.8		1	1.0					
A/P	NN9				V-1607	80.2		2						
A/G	<i>D. dymocytis antepenultima</i>				V-1600	57.7		3						
C/M	NTD 10 / NTD 9 (<i>Actinocyclus moronensis</i>)				V-1603	1.70		4						
					V-1600	56.8		5						
					V-1615	61.8		6						
					V-1605	1.66		7						
								CC						



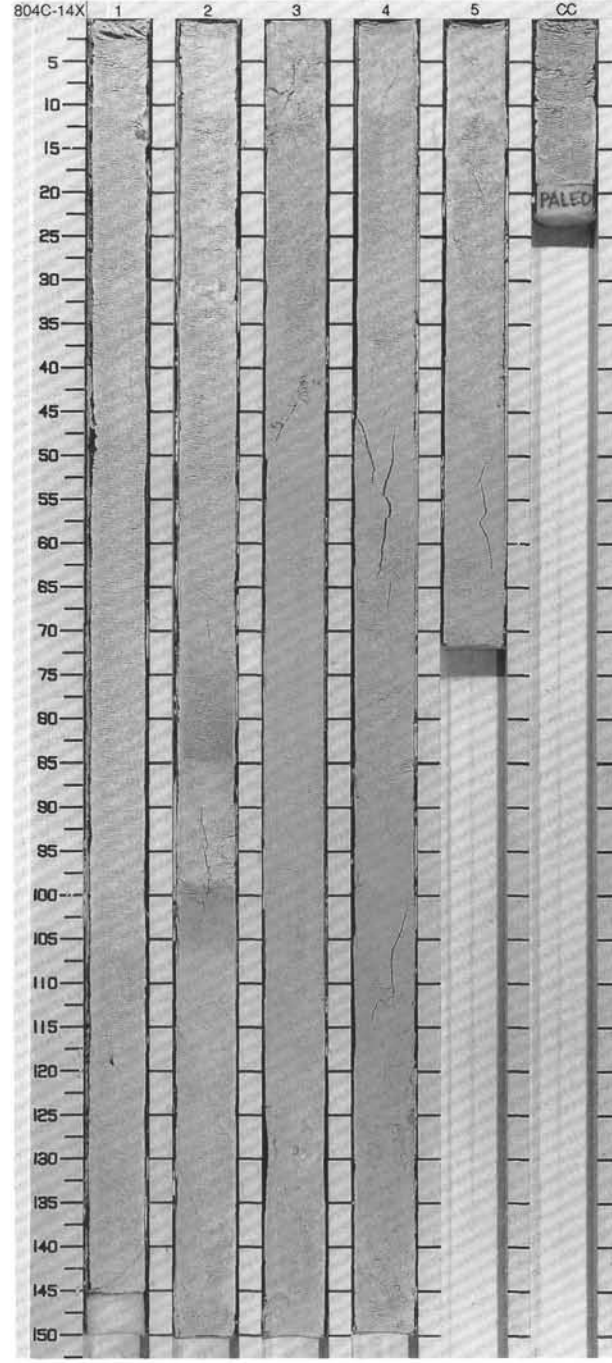
SITE 804 HOLE C CORE 13H CORED INTERVAL 110.8-120.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS PHYS. PROPERTIES CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS					
? UPPER MIOCENE								
A/G	N16				0.5			NANNOFOSSIL OOOE
A/P	NN9							
C/P	<i>Diartus petterssoni</i>				1.0			Major lithology: This core contains white (2.5Y 8/0), slightly to heavily bioturbated NANNO-FOSSIL OOOE. Faint reddish gray (5R 5/1), pale pink (5 RP 8/2), pale blue (5PB 7/2), pale purple (5RP 7/2), and grayish blue (5PB 5/2) color bands are present in Sections 1 through 3.
	NTD 9 (<i>Actinocyclus moronensis</i>)							
				V-1580 63.1 P-1.63	2			SMEAR SLIDE SUMMARY (%):
				V-1575 42.6 P-1.63				Sand 2.65 D
				V-1565 63.3 P-1.62				TEXTURE:
				V-1580 46.0 P-1.58				Sand 5
				V-1575 63.3 P-1.62				Silt 87
				V-1565 46.0 P-1.58				Clay 8
				V-1575 42.6 P-1.63				COMPOSITION:
				V-1580 63.1 P-1.63	Diatoms 1			
				V-1575 42.6 P-1.63	Foraminifers 5			
				V-1565 63.3 P-1.62	Nannofossils 92			
				V-1580 46.0 P-1.58	Radiolarians 1			
				V-1575 63.3 P-1.62	Silicoflagellates 1			
				V-1565 46.0 P-1.58				
				V-1575 42.6 P-1.63				
				V-1580 63.1 P-1.63				



SITE 804 HOLE C CORE 14X CORED INTERVAL 120.3-129.8 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAATOMS									
A/C	N14						0.5					<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains white (2.5Y 8/0), slightly to heavily bioturbated NANNOFOSSIL OOZE with FORAMINIFERS. The core is homogeneous with faint pale blue (5PB 7/2) color bands present in Section 2 only.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="margin-left: 40px;">3. 100 D</p> <p>TEXTURE:</p> <p>Sand 15 Silt 85</p> <p>COMPOSITION:</p> <p>Foraminifers 10 Nannofossils 85 Radiolarians 5</p>
A/M	NN9					1	1.0					
A/G	<i>Diarius petterssoni</i>					2						
C-A/G-M	NTD 9					3						
						4						
						5						
CC												

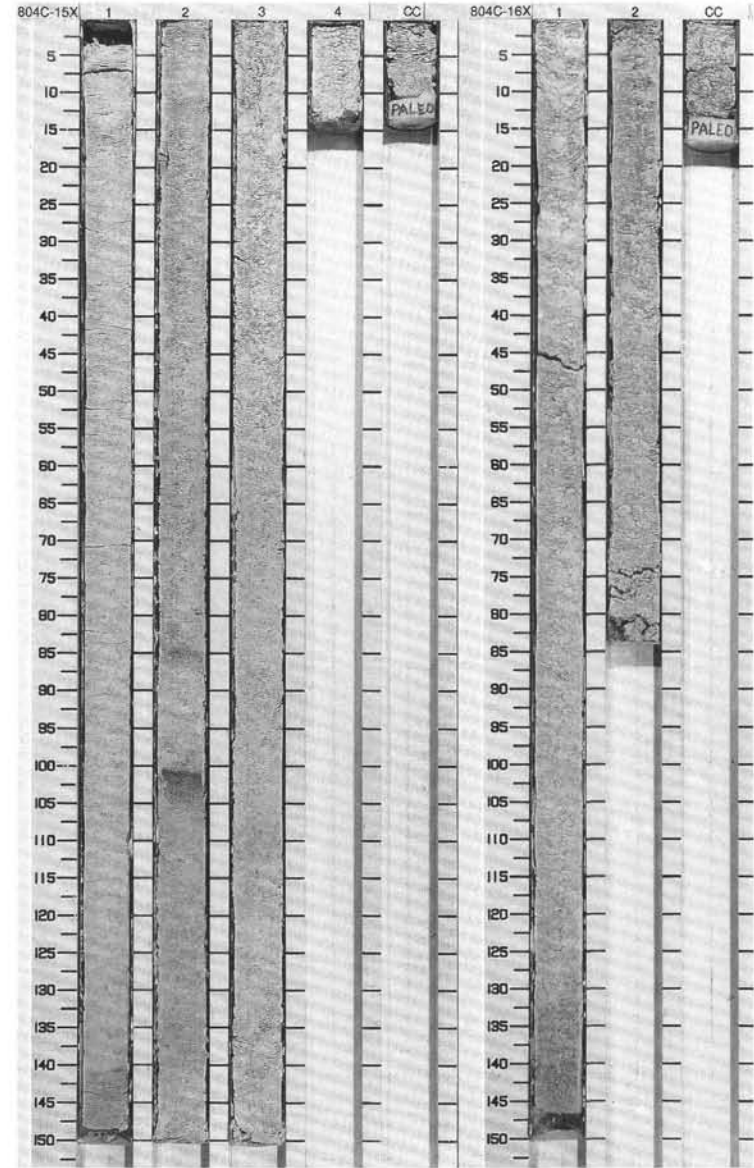


SITE 804 HOLE C CORE 15X CORED INTERVAL 129.8-139.3 mbsf

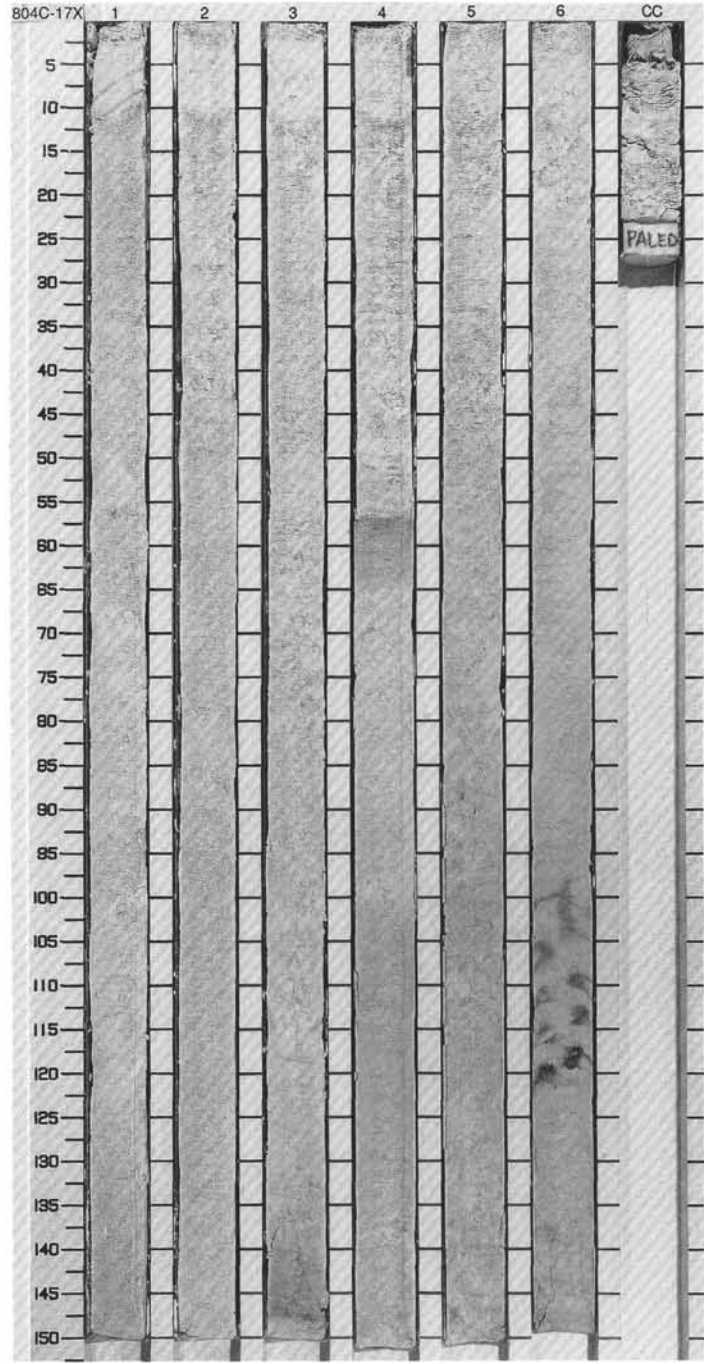
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																										
UPPER MIOCENE?	F/P													<p>NANNOFOSSIL OOZE with FORAMINIFERS</p> <p>Major lithology: This core contains white (2.5Y 8/0), slightly to heavily bioturbated NANNOFOSSIL OOZE with FORAMINIFERS. The core is relatively homogeneous with faint grayish blue (5PB 5/2) color band present only in Section 2.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td></td><td>2.80</td></tr> <tr><td>D</td><td></td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Sand</td><td>12</td></tr> <tr><td>Silt</td><td>88</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Foraminifers</td><td>10</td></tr> <tr><td>Nannofossils</td><td>88</td></tr> <tr><td>Radiolarians</td><td>1</td></tr> <tr><td>Silicoflagellates</td><td>1</td></tr> </table>		2.80	D		Sand	12	Silt	88	Foraminifers	10	Nannofossils	88	Radiolarians	1	Silicoflagellates	1
	2.80																													
D																														
Sand	12																													
Silt	88																													
Foraminifers	10																													
Nannofossils	88																													
Radiolarians	1																													
Silicoflagellates	1																													
	A/M	NN9			V-1538 8-65.6 V-1607 8-1.96	●%CaCO ₃ -84.5		1																						
					V-1538 8-65.6 V-1607 8-1.96	●%CaCO ₃ -89.2		2																						
					V-1538 8-65.6 V-1607 8-1.96	●%CaCO ₃ -89.8		3																						
					V-1538 8-65.6 V-1607 8-1.96	●%CaCO ₃ -89.8		4																						
								CC																						

SITE 804 HOLE C CORE 16X CORED INTERVAL 139.3-148.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																										
UPPER MIOCENE?	A/P	NN9												<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains white (2.5Y 8/0), homogeneous, moderately bioturbated NANNOFOSSIL OOZE.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr><td></td><td>1.70</td></tr> <tr><td>D</td><td></td></tr> </table> <p>TEXTURE:</p> <table border="0"> <tr><td>Sand</td><td>1</td></tr> <tr><td>Silt</td><td>95</td></tr> <tr><td>Clay</td><td>4</td></tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr><td>Foraminifers</td><td>2</td></tr> <tr><td>Nannofossils</td><td>96</td></tr> <tr><td>Radiolarians</td><td>2</td></tr> </table>		1.70	D		Sand	1	Silt	95	Clay	4	Foraminifers	2	Nannofossils	96	Radiolarians	2
	1.70																													
D																														
Sand	1																													
Silt	95																													
Clay	4																													
Foraminifers	2																													
Nannofossils	96																													
Radiolarians	2																													
	A/M	<i>Diartus petterssoni</i>			V-1542 8-66.1 V-1542 8-66.1	●%CaCO ₃ -87.4		1																						
	C-A/M	NTD 9			V-1542 8-66.1 V-1542 8-66.1	●%CaCO ₃ -86.8		2																						
					V-1542 8-66.1 V-1542 8-66.1	●%CaCO ₃ -87.4		CC																						



TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																								
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PHYS. PROPERTIES	CHEMISTRY																																
MIDDLE MIOCENE																																					
C/P		N14					1						NANNOFOSSIL OOZE with FORAMINIFERS and FORAMINIFER NANNOFOSSIL OOZE Major lithology: Section 1 through Section 4, 55 cm, contain moderately bioturbated NANNOFOSSIL OOZE with FORAMINIFERS. In Sections 1 through 3, the color of the sediment is white (2.5Y 8/0) grading down to light gray (N7) and light greenish gray (5G 7/1). The lower part of the core contains FORAMINIFER NANNOFOSSIL OOZE. The color grades from light blue gray (5B 7/1) to white (2.5Y N8/0), with slight to moderate mottling. A cm scale burrow fill, with possible offset along a microfault, is seen in Section 6 between 100 and 125 cm. SMEAR SLIDE SUMMARY (%): <table border="1"> <tr> <td></td> <td>2.55</td> <td>5.111</td> </tr> <tr> <td></td> <td>0</td> <td>0</td> </tr> </table> * TEXTURE: <table border="1"> <tr> <td>Sand</td> <td>15</td> <td>25</td> </tr> <tr> <td>Silt</td> <td>85</td> <td>75</td> </tr> </table> COMPOSITION: <table border="1"> <tr> <td>Foraminifers</td> <td>13</td> <td>25</td> </tr> <tr> <td>Nannofossils</td> <td>85</td> <td>74</td> </tr> <tr> <td>Radiolarians</td> <td>1</td> <td>1</td> </tr> <tr> <td>Silicoflagellates</td> <td>1</td> <td>-</td> </tr> </table>		2.55	5.111		0	0	Sand	15	25	Silt	85	75	Foraminifers	13	25	Nannofossils	85	74	Radiolarians	1	1	Silicoflagellates	1	-
	2.55	5.111																																			
	0	0																																			
Sand	15	25																																			
Silt	85	75																																			
Foraminifers	13	25																																			
Nannofossils	85	74																																			
Radiolarians	1	1																																			
Silicoflagellates	1	-																																			
		NN7					2																														
							3																														
							4																														
							5																														
							6																														
							CC																														



SITE 804 HOLE C CORE 18X CORED INTERVAL 158.3-168.0 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	SAMPLES	
MIDDLE MIOCENE											
F/P	N12										
A/M	NNG										
A/G	<i>Dorcadospyrus alata</i>										
A/G	NTD 8 <i>Craspedodiscus coscinodiscus</i>										
			$\rho=61.9$ $\beta=1.61$ $\gamma=86.3$	$\rho=64.5$ $\beta=1.61$ $\gamma=89.5$	$\rho=66.0$ $\beta=1.58$ $\gamma=86.6$	$\rho=64.6$ $\beta=1.60$ $\gamma=84.7$	$\rho=65.6$ $\beta=1.59$ $\gamma=80.8$				
C/C											

OG	TW	Diatoms	Foraminifers	Nannofossils	Radiolarians	Siliceous sponge spicules
		1	5	82	10	2
		1	3	80	15	1

SMEAR SLIDE SUMMARY (%):	
1,80	4,53
D	D

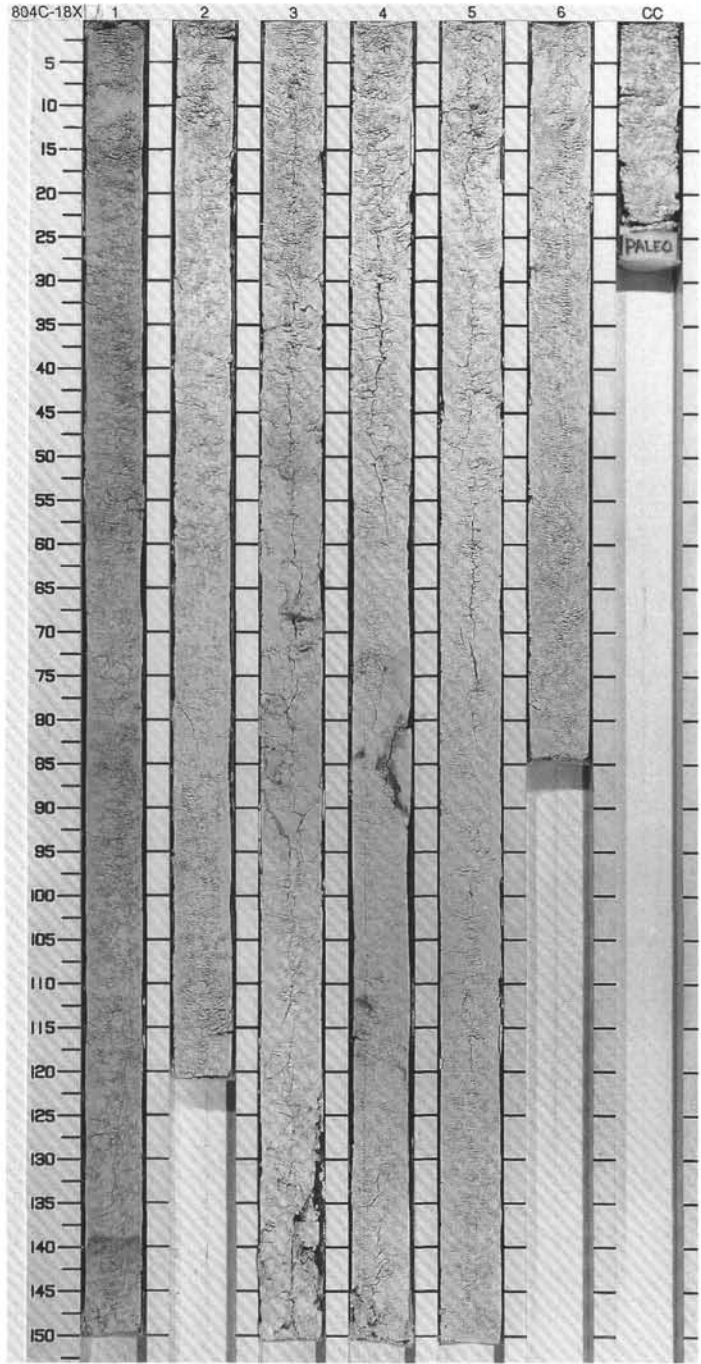
TEXTURE:

Sand	10	10
Silt	90	90

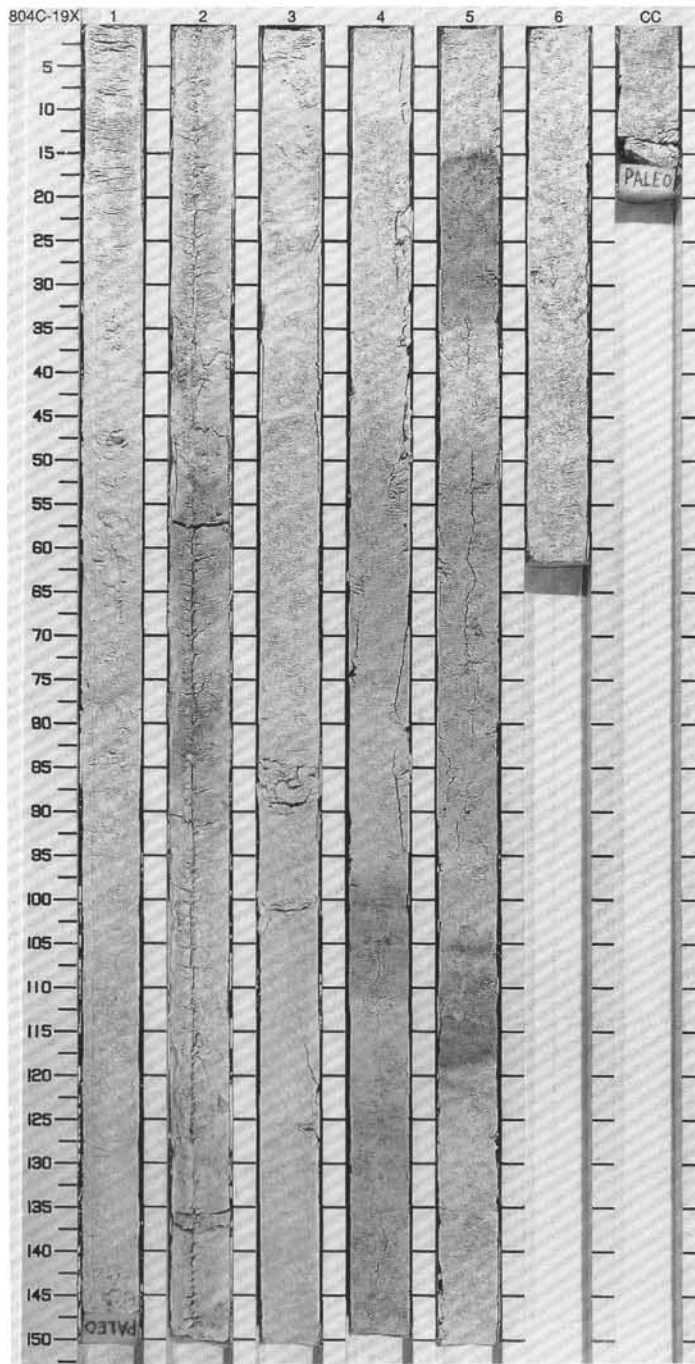
COMPOSITION:

Diatoms	1	1
Foraminifers	5	3
Nannofossils	82	80
Radiolarians	10	15
Siliceous sponge spicules	2	1

Major lithology: This core contains slightly bioturbated NANNOFOSSIL OOZE with RADIOLARIANS. Section 1 is light gray (2.5Y 7/0) with a gray (2.5Y 6/0) color band at 140 cm. The remainder of the core is white (2.5Y 8/0). The sediment appears more lithified and harder than in the overlying cores, with relatively hard pieces within a softer matrix. Section 4, 80-95 cm appears disturbed by coring processes.

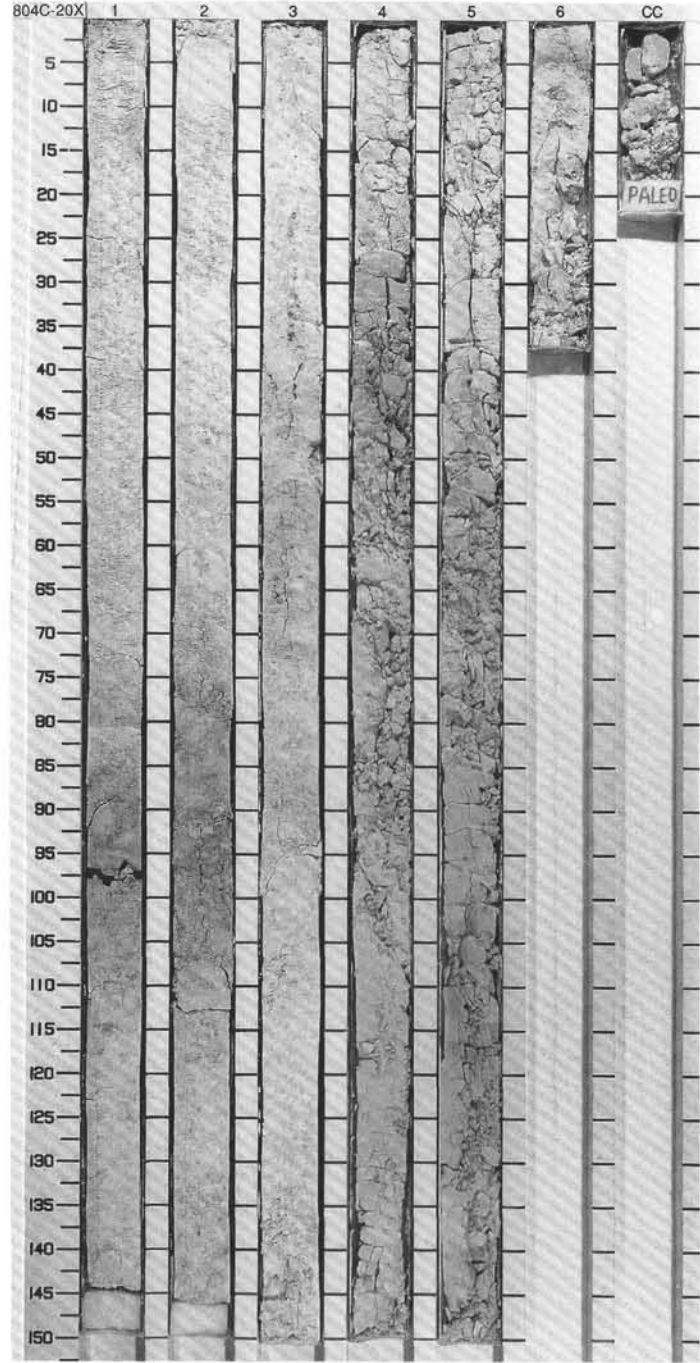


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																													
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS								DIAZONAS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY																																									
MIDDLE MIOCENE									<p>NANNOFOSSIL OOZE with FORAMINIFERS and NANNOFOSSIL OOZE with RADIO-LARIANS</p> <p>Major lithology: This core contains NANNOFOSSIL OOZE with FORAMINIFERS, grading to NANNOFOSSIL OOZE with RADIO-LARIANS in Sections 5 through the Core Catcher. The core is predominantly white (2.5Y 8/0), with minor gradations to light blue gray (5B 7/1) and white (5YR 8/1). Light greenish gray (5GY 8/1), greenish gray (5GY 6/1), pale blue (5PB 7/2), and pale red purple (5RP 6/2) color bands are rare to common throughout the core. The entire core is moderately to heavily boturbed.</p> <p>Minor lithology: Two normally-graded layers of NANNOFOSSIL FORAMINIFER OOZE are present in this core, the first is at Section 1, 30-50 cm, and the second is at Section 3, 10-22 cm. Both are white (2.5Y 8/0), have sharp top and bottom contacts, and are probably turbidites.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 61</td> <td>1, 78</td> <td>4, 32</td> <td>5, 52</td> </tr> <tr> <td></td> <td>M</td> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>80</td> <td>10</td> <td>10</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>20</td> <td>90</td> <td>90</td> <td>85</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>68</td> <td>12</td> <td>10</td> <td>6</td> </tr> <tr> <td>Nannofossils</td> <td>30</td> <td>85</td> <td>86</td> <td>74</td> </tr> <tr> <td>Radiolarians</td> <td>2</td> <td>2</td> <td>2</td> <td>12</td> </tr> <tr> <td>Siliceous sponge spicules</td> <td>-</td> <td>-</td> <td>-</td> <td>5</td> </tr> <tr> <td>Silicoflagellates</td> <td>-</td> <td>1</td> <td>1</td> <td>2</td> </tr> </table>		1, 61	1, 78	4, 32	5, 52		M	D	D	D	Sand	80	10	10	15	Silt	20	90	90	85	Foraminifers	68	12	10	6	Nannofossils	30	85	86	74	Radiolarians	2	2	2	12	Siliceous sponge spicules	-	-	-	5	Silicoflagellates	-	1	1	2
	1, 61	1, 78	4, 32	5, 52																																																		
	M	D	D	D																																																		
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Radiolarians	2	2	2	12																																																		
Siliceous sponge spicules	-	-	-	5																																																		
Silicoflagellates	-	1	1	2																																																		
A/M	N12		1	0.5																																																		
A/M	NN6 - NN7		2	1.0																																																		
	NTD 5	<i>Coscinodiscus lewisianus</i>	3	1.5																																																		
			4	2.0																																																		
			5	2.5																																																		
			6	3.0																																																		
C			CC	3.5																																																		



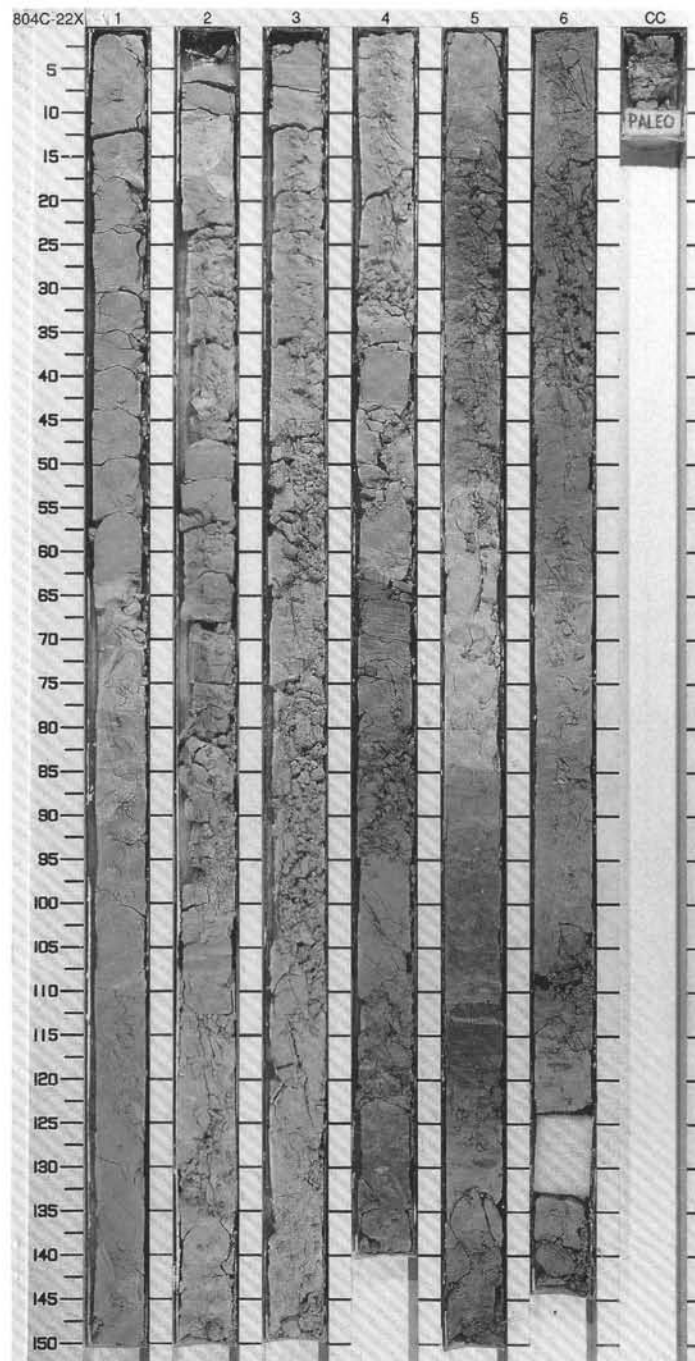
SITE 804 HOLE C CORE 20X CORED INTERVAL 177.7-187.4 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																					
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS																															
MIDDLE MIOCENE													<p>NANNOFOSSIL OOZE with RADIOLARIANS grading to NANNOFOSSIL CHALK</p> <p>Major lithology: This core contains bioturbated NANNOFOSSIL OOZE with RADIOLARIANS grading to NANNOFOSSIL CHALK in Section 3, 35 cm. The color of the sediment grades from white (2.5Y 8/0) to white (5Y 8/1 and 5Y 8/2). Light gray (N7 and 5Y 7/1) and light greenish gray (5GY 7/1). 2 to 20 cm thick, heavily burrowed zones are present at 150 cm intervals.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>3.78</td> <td>5.94</td> </tr> <tr> <td>D</td> <td>D</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>15</td> <td>10</td> </tr> <tr> <td>Silt</td> <td>85</td> <td>90</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>3</td> <td>5</td> </tr> <tr> <td>Nannofossils</td> <td>87</td> <td>90</td> </tr> <tr> <td>Radiolarians</td> <td>10</td> <td>5</td> </tr> </table>		3.78	5.94	D	D	D	Sand	15	10	Silt	85	90	Foraminifers	3	5	Nannofossils	87	90	Radiolarians	10	5
	3.78	5.94																																
D	D	D																																
Sand	15	10																																
Silt	85	90																																
Foraminifers	3	5																																
Nannofossils	87	90																																
Radiolarians	10	5																																
C/P	?							0.5																										
A/M	NN5	<i>Catocyrella costata</i>						1.0																										
A/M	NTD 5	<i>Cestodiscus pepium</i>						2																										
C/M								3																										
								4																										
								5																										
								6																										
								CC																										

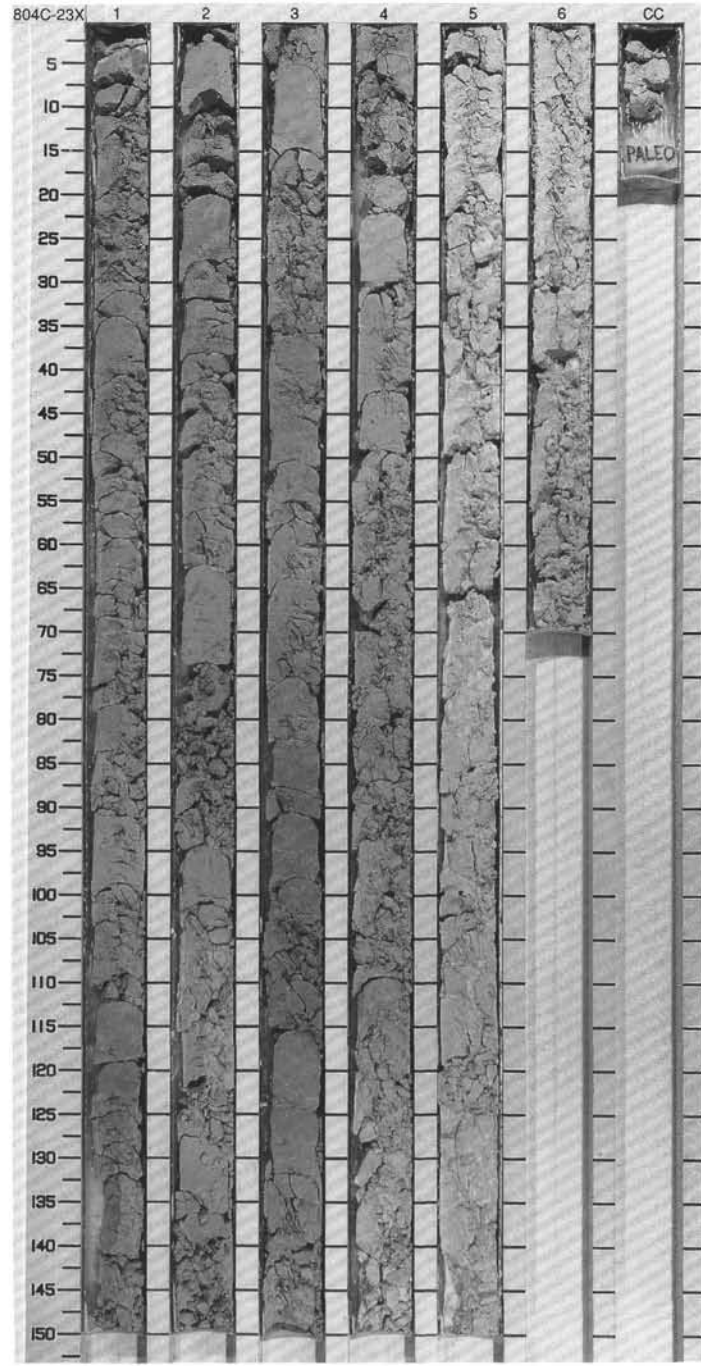


SITE 804 HOLE C CORE 22X CORED INTERVAL 197.1-206.8 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS									
LOWER MIOCENE	?											
R/P												
A/P	NIN2											
A/M		<i>Calocyclus costata</i>										
F-C/M-P		NTD 5a (<i>Cestodiscus papium</i>)										

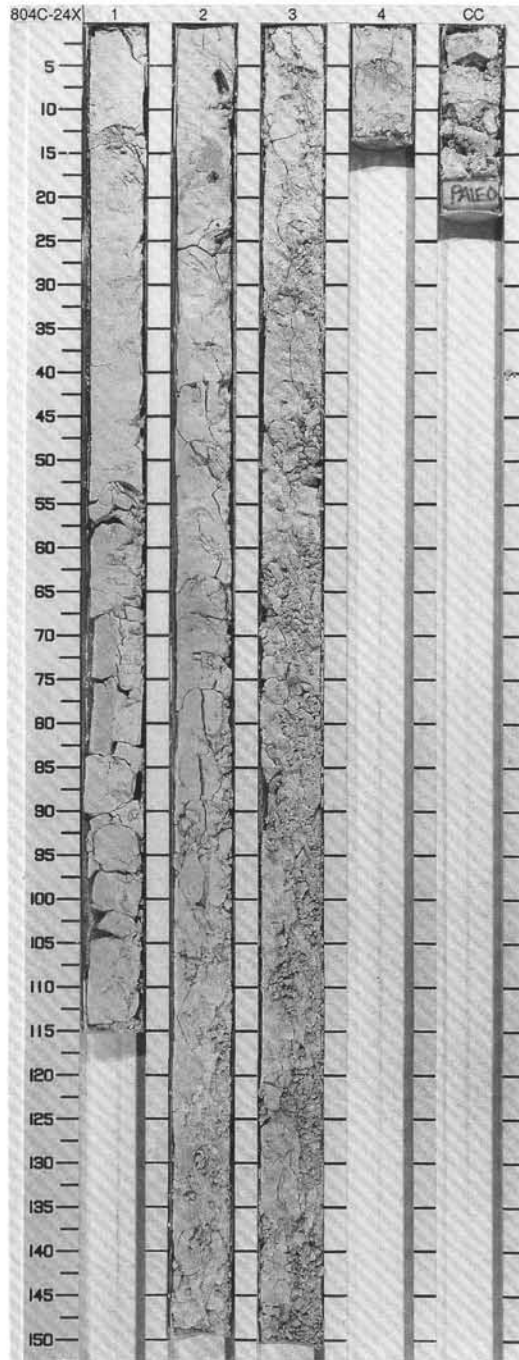


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																														
FORAMINIFERS	NANNOFOSSILS																																						
LOWER MIOCENE																																							
F/P	N5	<i>Catapsydrax dissimilis</i>							<p>RADIOLARIAN NANNOFOSSIL CHALK</p> <p>Major lithology: Sections 1 through 4 of this core contain pale brown (10YR 7/4) RADIO-LARIAN NANNOFOSSIL CHALK. Moderate to heavy bioturbation is evident from well-preserved trace fossils. The sediment is otherwise structureless, although drilling disturbance is heavy. Section 4 grades from very pale brown (10YR 8/3) to white (10YR 8/1). This color gradation marks a transition from radiolarian nannofossil chalk to nannofossil ooze.</p> <p>Minor lithology: White (10YR 8/1), homogeneous NANNOFOSSIL OOZE is present in Sections 5 and 6 of this core. It is very stiff, structureless, and heavily disturbed by drilling.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1.75</td> <td>5.74</td> </tr> <tr> <td>D</td> <td></td> <td>M</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>10</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>55</td> <td>60</td> </tr> <tr> <td>Clay</td> <td>35</td> <td>35</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>-</td> <td>1</td> </tr> <tr> <td>Nannofossils</td> <td>60</td> <td>89</td> </tr> <tr> <td>Radiolarians</td> <td>40</td> <td>9</td> </tr> <tr> <td>Siliceous fragments</td> <td>-</td> <td>1</td> </tr> <tr> <td>Siliceous sponge spicules</td> <td>Tr</td> <td>-</td> </tr> </table>		1.75	5.74	D		M	Sand	10	5	Silt	55	60	Clay	35	35	Foraminifers	-	1	Nannofossils	60	89	Radiolarians	40	9	Siliceous fragments	-	1	Siliceous sponge spicules	Tr	-
	1.75	5.74																																					
D		M																																					
Sand	10	5																																					
Silt	55	60																																					
Clay	35	35																																					
Foraminifers	-	1																																					
Nannofossils	60	89																																					
Radiolarians	40	9																																					
Siliceous fragments	-	1																																					
Siliceous sponge spicules	Tr	-																																					
A/M	NN2																																						
A/P		<i>Stichocorys delmontensis</i>																																					
C/P	NTD 5	<i>Cestodiscus peplum</i>																																					
			● 71.1 ● 71.58 ● %CaCO ₃ = 75.6	1																																			
			● 65.9 ● 61.57 ● %CaCO ₃ = 74.7	2																																			
			● 61.2 ● 51.48 ● %CaCO ₃ = 84.4	3																																			
			● 61.72 ● %CaCO ₃ = 93.0	4																																			
				5																																			
				6																																			
				CC																																			



SITE 804 HOLE C CORE 24X CORED INTERVAL 216.5-226.2 mbsf

TIME-ROCK UNIT			BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																											
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONS																																							
LOWER MIOCENE																																										
F/P	N5	<i>Catapsydrax dissimilis</i>							1	0.5					<p>NANNOFOSSIL OOZE</p> <p>Major lithology: This core contains white (2.5Y 8/2), homogeneous, bioturbated NANNOFOSSIL OOZE. The top of Section 2 contains a few pyritized burrow fragments up to 20 mm long. Adjacent to one pyrite fragment is a pod of white (2.5Y 8/0) NANNOFOSSIL OOZE with RADIOLARIANS.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td>OG</td> <td>2.16</td> <td>2.75</td> </tr> <tr> <td>IW</td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>5</td> <td>—</td> </tr> <tr> <td>Silt</td> <td>60</td> <td>40</td> </tr> <tr> <td>Clay</td> <td>35</td> <td>60</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>1</td> <td>—</td> </tr> <tr> <td>Nannofossils</td> <td>78</td> <td>99</td> </tr> <tr> <td>Radiolarians</td> <td>20</td> <td>Tr</td> </tr> <tr> <td>Siliceous fragments</td> <td>1</td> <td>1</td> </tr> </table>	OG	2.16	2.75	IW	M	D	Sand	5	—	Silt	60	40	Clay	35	60	Foraminifers	1	—	Nannofossils	78	99	Radiolarians	20	Tr	Siliceous fragments	1	1
OG	2.16	2.75																																								
IW	M	D																																								
Sand	5	—																																								
Silt	60	40																																								
Clay	35	60																																								
Foraminifers	1	—																																								
Nannofossils	78	99																																								
Radiolarians	20	Tr																																								
Siliceous fragments	1	1																																								
A/P	NN2	<i>Stichocorys delmontensis</i>							2	1.0																																
A/P		<i>Stichocorys delmontensis</i>																																								
C/M	NTD 2	<i>Craspedodiscus elegans</i>																																								
									3																																	
									4																																	
									CC																																	



SITE 804 HOLE C CORE 26X CORED INTERVAL 235.8 -245.9 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER MIOCENE											
F/M	N4 <i>Globorotalia kugleri</i>		V-1549-57.8 P-1.72	KCaCO ₃ =82.8	4						
A/P	NN2		V-1592-59.1 P-1.58	KCaCO ₃ =83.1	N						
A/P	<i>Cyrtocapsella tetrapera</i>		V-1550-55.2 P-1.77	KCaCO ₃ =89.6	3						
C-A, P-M	NTD 1 <i>Rosella paleacea</i>		V-1608-62.3 P-1.68	KCaCO ₃ =78.1	1						
			V-1569-60.1 P-1.67	KCaCO ₃ =80.1	5						
			V-1592-59.1 P-1.58	KCaCO ₃ =83.1	N						
			V-1550-55.2 P-1.77	KCaCO ₃ =89.6	3						
			V-1608-62.3 P-1.68	KCaCO ₃ =78.1	1						
					6						
					CC						

NANNOFOSSIL CHALK with RADIOLIARIANS

Major lithology: This core contains white (10YR 8/1 and 10YR 8/2) NANNOFOSSIL CHALK with RADIOLIARIANS. Heavy bioturbation is indicated by abundant trace fossils. Drilling disturbance is severe, resulting in abundant fragmentation and brecciation of the core.

* SMEAR SLIDE SUMMARY (%):

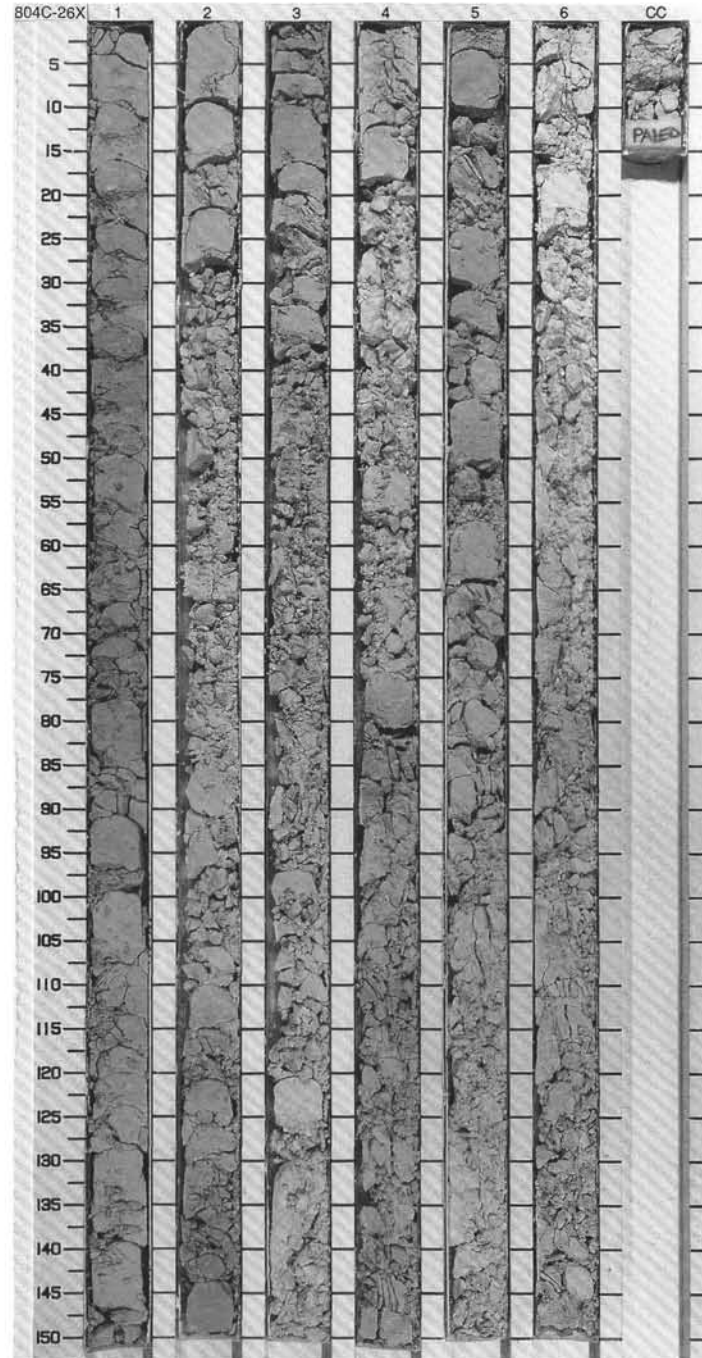
1, 93	4, 74
D	D

TEXTURE:

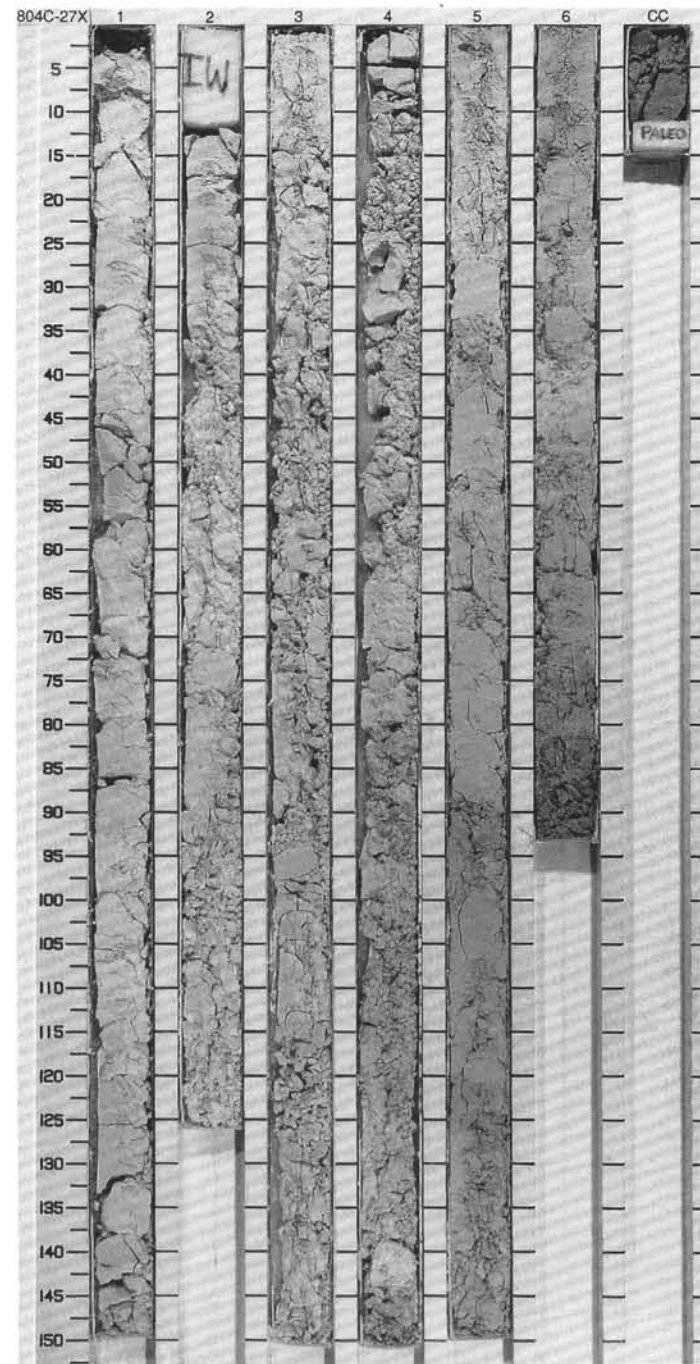
Sand	15	10
Silt	55	70
Clay	30	20

COMPOSITION:

Accessory minerals	Tr	Tr
Clay	Tr	Tr
Foraminifers	—	4
Nannofossils	75	71
Radiolarians	20	20
Siliceous fragments	5	5



TIME-ROCK UNIT			BIOSTRAT. ZONE/ FOSSIL CHARACTER	SECTION METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES SAMPLES	LITHOLOGIC DESCRIPTION						
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	PALEOMAGNETICS										
DIATOMS	PHYS. PROPERTIES	CHEMISTRY											
LOWER MIOCENE			?	0.5			<p>NANNOFOSSIL CHALK with RADIOLARIANS</p> <p>Major lithology: This core consists of white (10YR 8/1) NANNOFOSSIL CHALK with RADIOLARIANS. The color grades from very pale brown (10YR 7/3) in Section 3 to a darker shade of very pale brown (10YR 7/4) in Section 4. Sections 2, 3, 4, 6 and CC are brecciated or highly fragmented into biscuits.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table> <tr><td>Sand</td><td>7</td></tr> <tr><td>Silt</td><td>60</td></tr> <tr><td>Clay</td><td>33</td></tr> </table> <p>TEXTURE:</p> <p>OC Accessory minerals 2 Clay Tr Foraminifers 2 Nannofossils 80 Radiolarians 11 Siliceous fragments 5</p>	Sand	7	Silt	60	Clay	33
Sand	7												
Silt	60												
Clay	33												
R	NN1?		V-1568 ● CaCO ₃ = 89.2	1		IW							
A/P				2									
A/M	<i>L. ychnocanoma elongata</i>		V-1542 ● CaCO ₃ = 89.8	3									
R-F/P	NTD 1		V-1571 ● CaCO ₃ = 81.7 ● CaCO ₃ = 81.0	4									
				5									
				6									



SITE 804 HOLE C CORE 28X CORED INTERVAL 255.1-264.7 mbsf

TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS											
UPPER OLIGOCENE												
R	P22 - P21b											
A/P	NN1?											
A/M	<i>Lychnocanama elongata</i>											
F/P	<i>Bargarovia veniamini</i>											
				V=157.0 ●%CaCO ₃ =86.3	V=53.2 ●%CaCO ₃ =65.6							
				V=160.4 ●%CaCO ₃ =89.5	V=162.0 ●%CaCO ₃ =81.4							
				V=160.4 ●%CaCO ₃ =89.5	V=161.82 ●%CaCO ₃ =81.4							
CC												

NANNOFOSSIL CHALK and NANNOFOSSIL CHALK with RADIOLARIANS

Major lithology: Sections 1 through 3 are very pale brown (10YR 7/4 to 10YR 8/3) NANNOFOSSIL CHALK with RADIOLARIANS. These sections are heavily bioturbated as evidenced from abundant trace fossils. Below Section 3, the color grades from very pale brown (10YR 8/3) to white (10YR 8/2 and 10YR 8/1). The radiolarian content is reduced in the lower part of the core, where it becomes a NANNOFOSSIL CHALK. Bioturbation is abundant in this interval. Drilling disturbance is moderate to severe throughout the core.

SMEAR SLIDE SUMMARY (%):

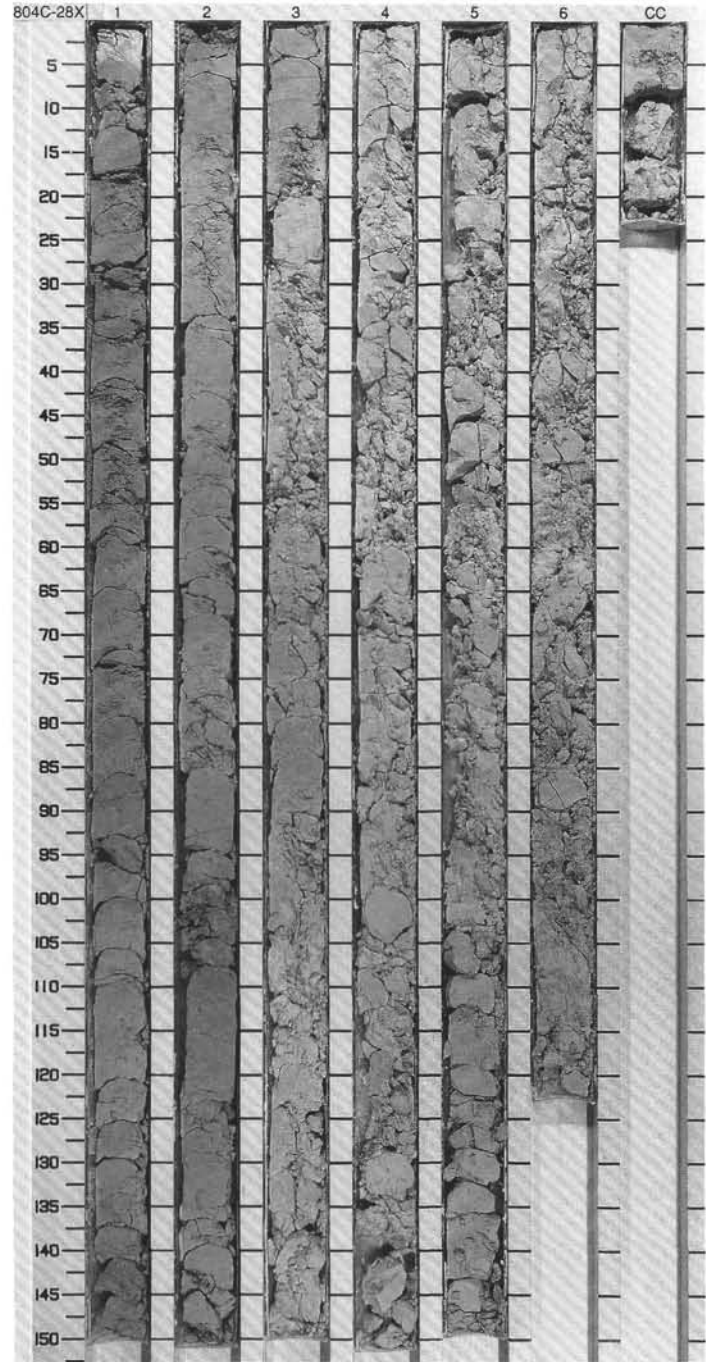
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D	D	D

TEXTURE:

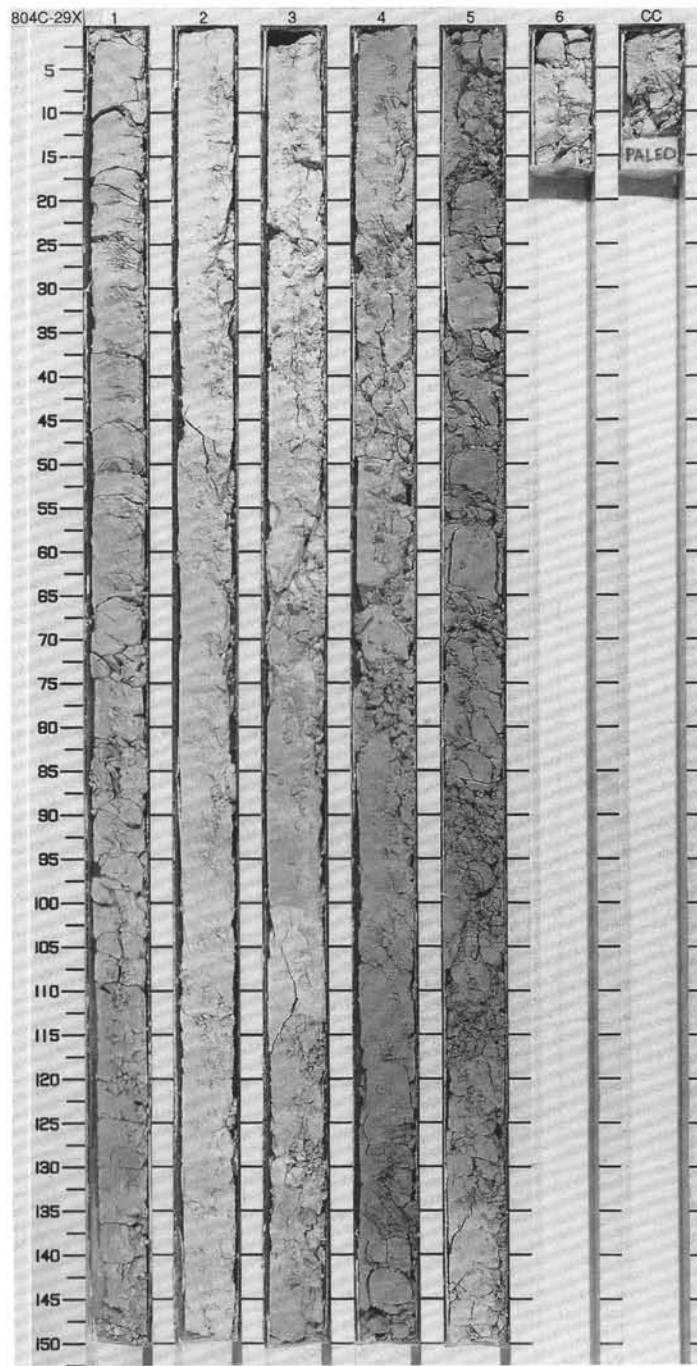
Sand	5	5
Silt	50	55
Clay	45	40

COMPOSITION:

Clay	5	—
Foraminifers	Tr	3
Nannofossils	85	92
Radiolarians	10	5

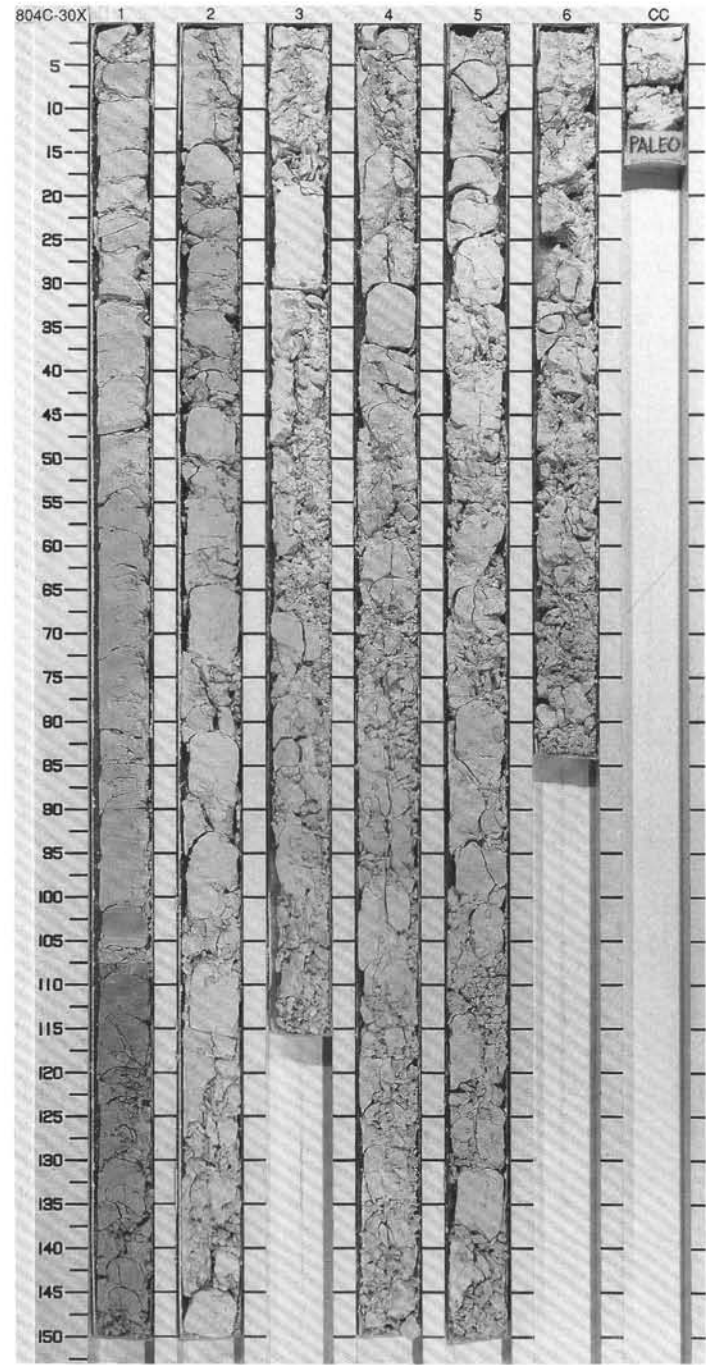


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS										
OLIGOCENE											<p>NANNOFOSSIL CHALK with RADIOLARIANS</p> <p>Major lithology. This core contains slightly to heavily boturbated NANNOFOSSIL CHALK with RADIOLARIANS. The color grades from white (2.5Y 8/0) in the upper three sections to alternating intervals of white (2.5Y 8/0) and very pale brown (10YR 8/3) in Sections 4 through 6. Drilling disturbance is moderate to severe throughout the core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p style="text-align: right;">4.82 D</p> <p>TEXTURE:</p> <p>Sand 10 Silt 85 Clay 5</p> <p>COMPOSITION:</p> <p>Foraminifers 15 Nannofossils 85 Radiolarians Tr</p>
F/M	P21a	<i>Globorotalia opima</i>				1	0.5				
A/P		NP24 - NP25				2	1.0				
A/P		<i>Dorcadospyris aleuchus</i> - <i>Lychnocanoma elongata</i>				3					
						4					
						5					
						6					
						CC					

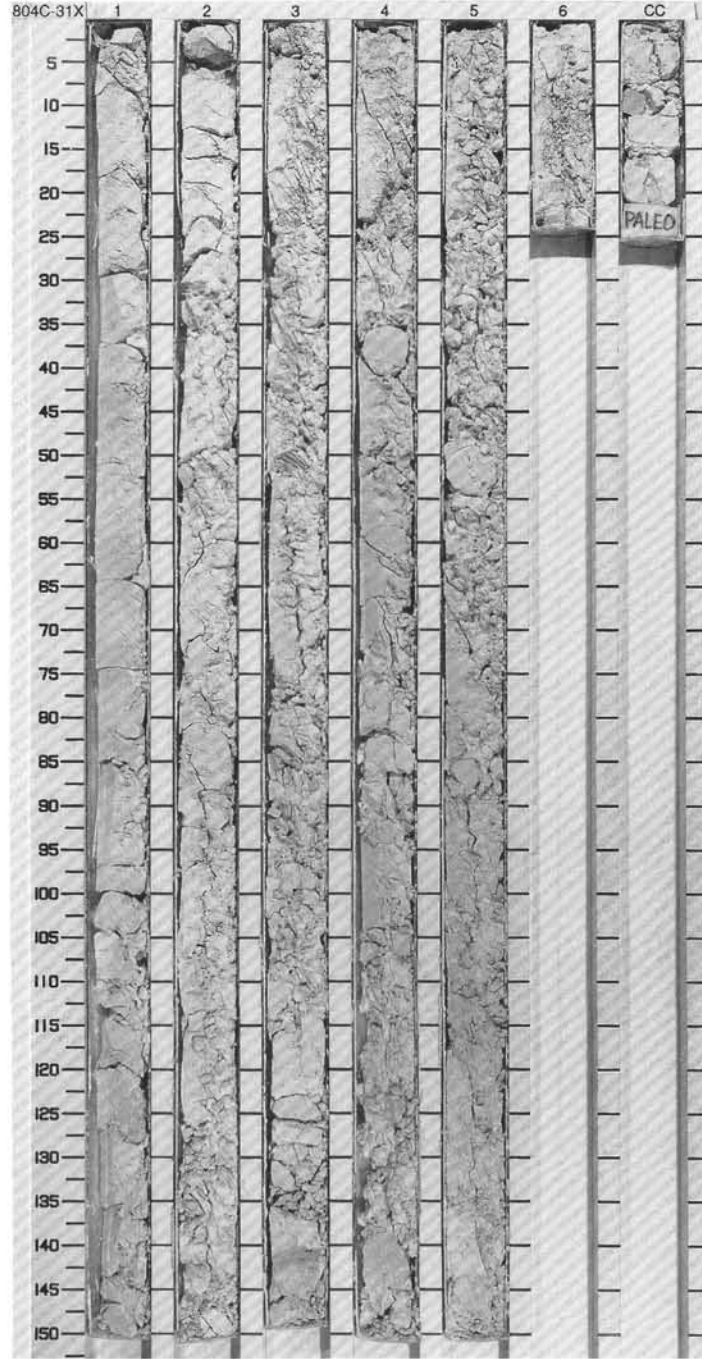


SITE 804 HOLE C CORE 30X CORED INTERVAL 274.4-284.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIAZONS										
LOWER OLILOCENE														
C/M	P21a <i>Globorotalia optima</i>					V-1554	W-1554							
A/M	NP23 - NP24					V-1554	V-1554							
C/P	<i>Lychnocanoma elongata</i>					V-1554	V-1554							
R/P	<i>Rocella virgulans</i> , A?					V-1554	V-1554							
						V-1607	V-1607							
						V-1548	V-1548							
						V-1548	V-1548							
						V-1607	V-1607							
						V-1607	V-1607							
						V-1607	V-1607							
						V-1607	V-1607							
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						V-1607	V-1607							

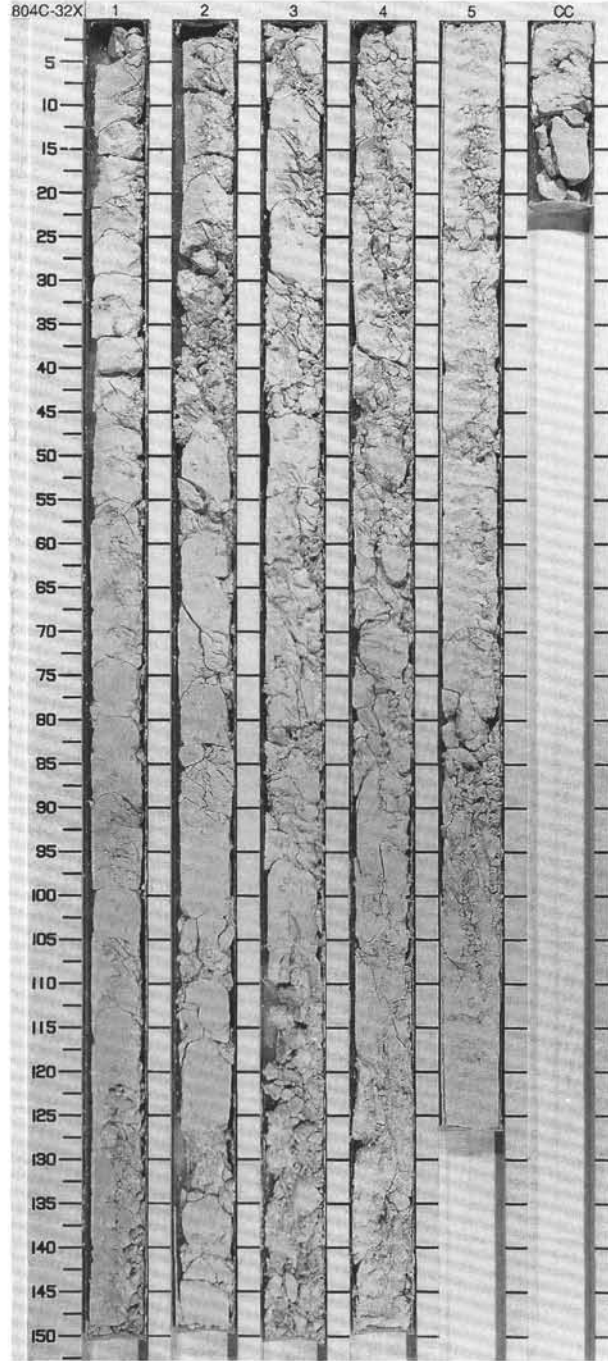


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER OLILOCENE											
F/M	P21a <i>Globorotalia opima</i>		0-53.9 P-1.79	%CaCO ₃ =91.2		0.5					<p>NANNOFOSSIL CHALK</p> <p>Major lithology. This core contains NANNOFOSSIL CHALK. The core is white (10YR 8/1), grading to white (10YR 8/2) at the base of Section 3. Bioturbation varies from minor to heavy throughout the core.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <p>2.83 D</p> <p>TEXTURE:</p> <p>Sand 4 Silt 96</p> <p>COMPOSITION:</p> <p>Foraminifers 1 Nannofossils 98 Radiolarians 1</p>
A/P	NP23?		V-174.5 P-1.97	%CaCO ₃ =92.3		1.0					
A/P	<i>Dorcadospyrus atuechus</i>		0-51.3 P-1.81	%CaCO ₃ =92.5							
					2						
					3						
					4						
					5						
					6						
					CC						



SITE 804 HOLE C CORE 32X CORED INTERVAL 293.7-303.3 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																	
	FORAMINIFERS	NANNOFOSSILS										RADIOLARIANS	DIATOMS																															
LOWER OLILOCENE																																												
C/G	P21a	<i>Globorotalia opima</i>									<p>NANNOFOSSIL CHALK to NANNOFOSSIL CHALK with RADIOLARIANS</p> <p>Major lithology: This core contains NANNOFOSSIL CHALK, grading to NANNOFOSSIL CHALK with RADIOLARIANS. The core is white (10YR 8/1 to 10YR 8/2) in both sediment types. Bioturbation is slight to heavy throughout the core, including well-developed <i>Zoophycos</i> trace fossils in Section 1.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1.70</td> <td>2.49</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>8</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>90</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>2</td> <td>—</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Diatoms</td> <td>1</td> <td>—</td> </tr> <tr> <td>Foraminifers</td> <td>1</td> <td>1</td> </tr> <tr> <td>Nannofossils</td> <td>81</td> <td>94</td> </tr> <tr> <td>Quartz</td> <td>1</td> <td>—</td> </tr> <tr> <td>Radiolarians</td> <td>10</td> <td>3</td> </tr> <tr> <td>Siliceous sponge spicules</td> <td>5</td> <td>2</td> </tr> </table>		1.70	2.49	D		D	Sand	8	5	Silt	90	95	Clay	2	—	Diatoms	1	—	Foraminifers	1	1	Nannofossils	81	94	Quartz	1	—	Radiolarians	10	3	Siliceous sponge spicules	5	2
	1.70	2.49																																										
D		D																																										
Sand	8	5																																										
Silt	90	95																																										
Clay	2	—																																										
Diatoms	1	—																																										
Foraminifers	1	1																																										
Nannofossils	81	94																																										
Quartz	1	—																																										
Radiolarians	10	3																																										
Siliceous sponge spicules	5	2																																										
A/P	NP23 - NP24																																											
A/P		<i>Dorcadospyris atreuchus</i>																																										
A/G		basal <i>Rocella virgians</i>																																										
V-1832																																												



TIME - ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER		PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS										
LOWER OLILOCENE													
R/P	?												
A/P	NP23												
A/P	<i>Thecolyle tuberosa</i>												
A/G	<i>Cestodiscus reticulatus - Coscinodiscus excavatus</i>												
				V-1580 85.8 D-1580 86.1 %CaCO ₃ 79.8	V-1519 87.1 D-1519 87.1 %CaCO ₃ 87.1	V-1542 88.6 D-1542 88.6 %CaCO ₃ 84.4	V-1583 89.7 D-1583 89.7 %CaCO ₃ 82.9	1					
								VOID					
								2					
								3					
								4					
								5					
								6					

