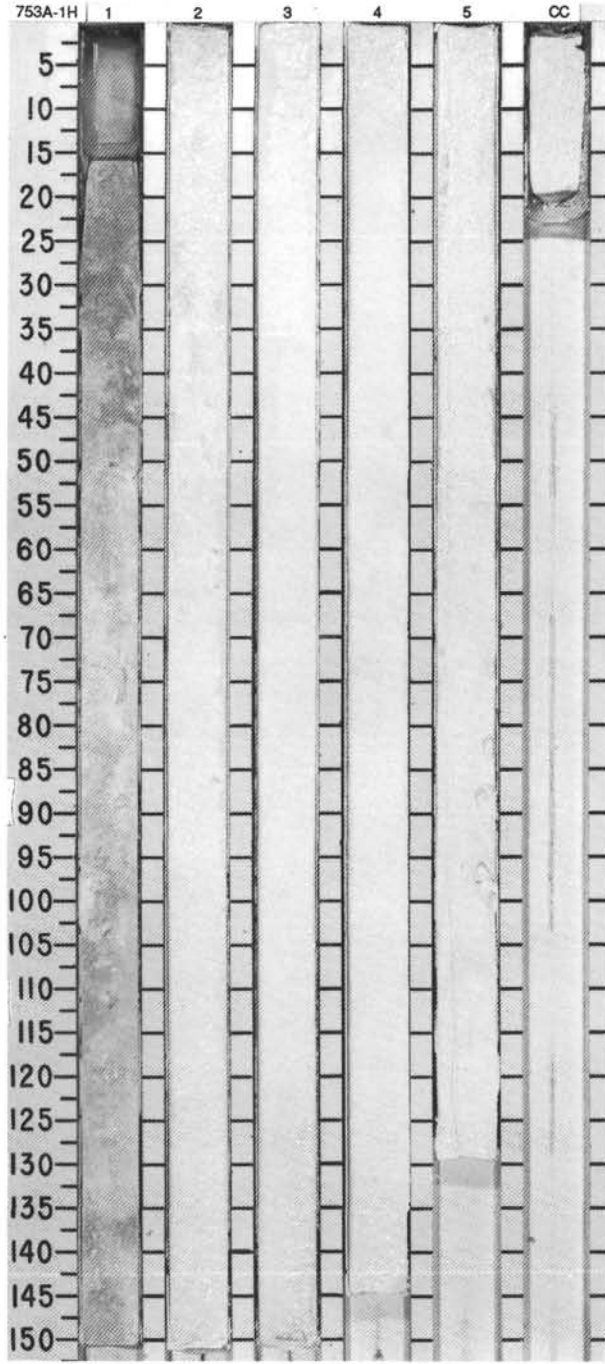


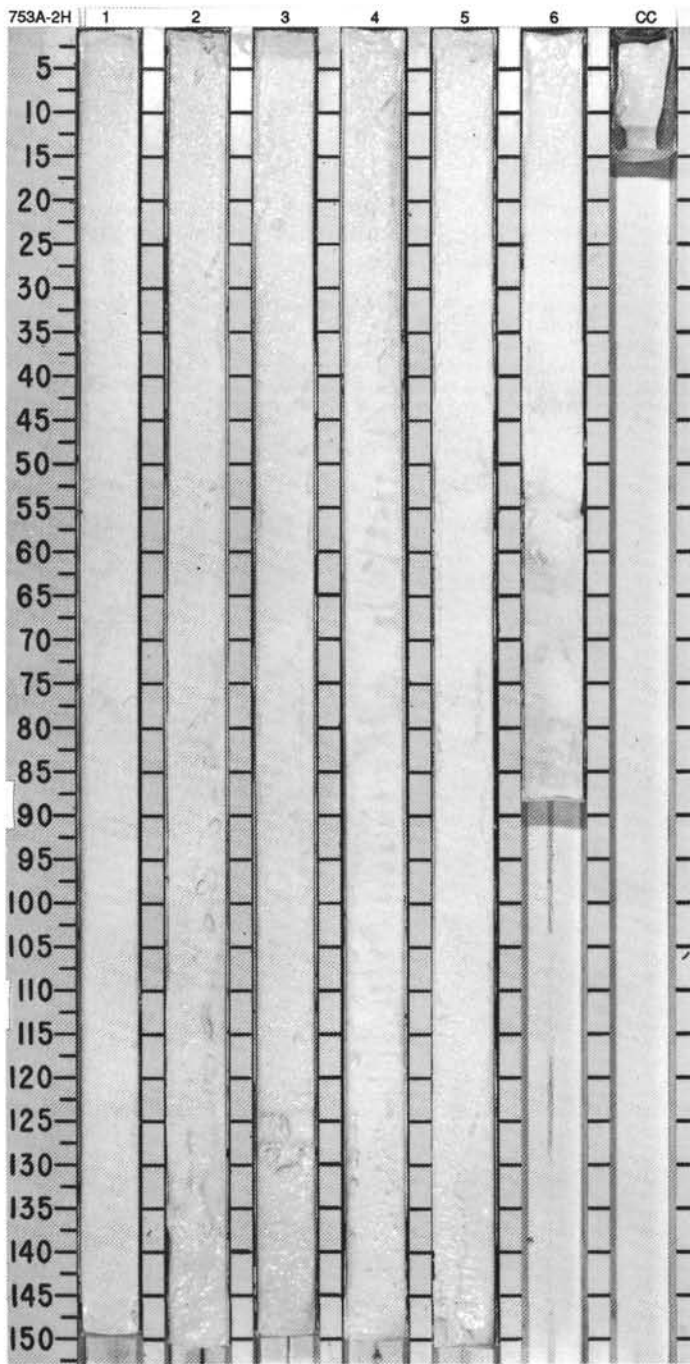
SITE 753 HOLE A CORE 1H CORED INTERVAL 0-7.5 mbsf

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 PLIOCENE	UPPER PLIOCENE	<i>Globorotalia crassaformis</i>	<i>Globorotalia inflata</i>									<p>NANNOFOSSIL FORAMINIFER OOZE, AND NANNOFOSSIL OOZE</p> <p>Sections 1-2 grade from soupy to slightly disturbed. Section 5 is slightly disturbed.</p> <p>Major lithology: NANNOFOSSIL FORAMINIFER OOZE. Section 1, 15-36 cm, fine foraminifer sand, very pale brown (10YR 7/3). Nannofossil ooze, Section 1, 36 cm to core catcher, whiter than Munsell white (10YR 8/1), homogeneous and heavily bioturbated.</p> <p>Core catcher sample mean grain size is 59.4 µm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1, 25</td> <td>2, 80</td> <td>4, 80</td> </tr> <tr> <td>D</td> <td></td> <td></td> <td></td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>35</td> <td>15</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>65</td> <td>85</td> <td>85</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>55</td> <td>22</td> <td>20</td> </tr> <tr> <td>Nannofossils</td> <td>45</td> <td>78</td> <td>80</td> </tr> </table>		1, 25	2, 80	4, 80	D				Sand	35	15	15	Silt	65	85	85	Foraminifers	55	22	20	Nannofossils	45	78	80
	1, 25	2, 80	4, 80																																	
D																																				
Sand	35	15	15																																	
Silt	65	85	85																																	
Foraminifers	55	22	20																																	
Nannofossils	45	78	80																																	
A/G	A/G	CN11	CN12a - 12d				1	0.5																												
A/G			(<i>Globorotalia toscaensis</i>)				2	1.0																												
				Indeterminate			3																													
							4																													
							5																													
							CC																													

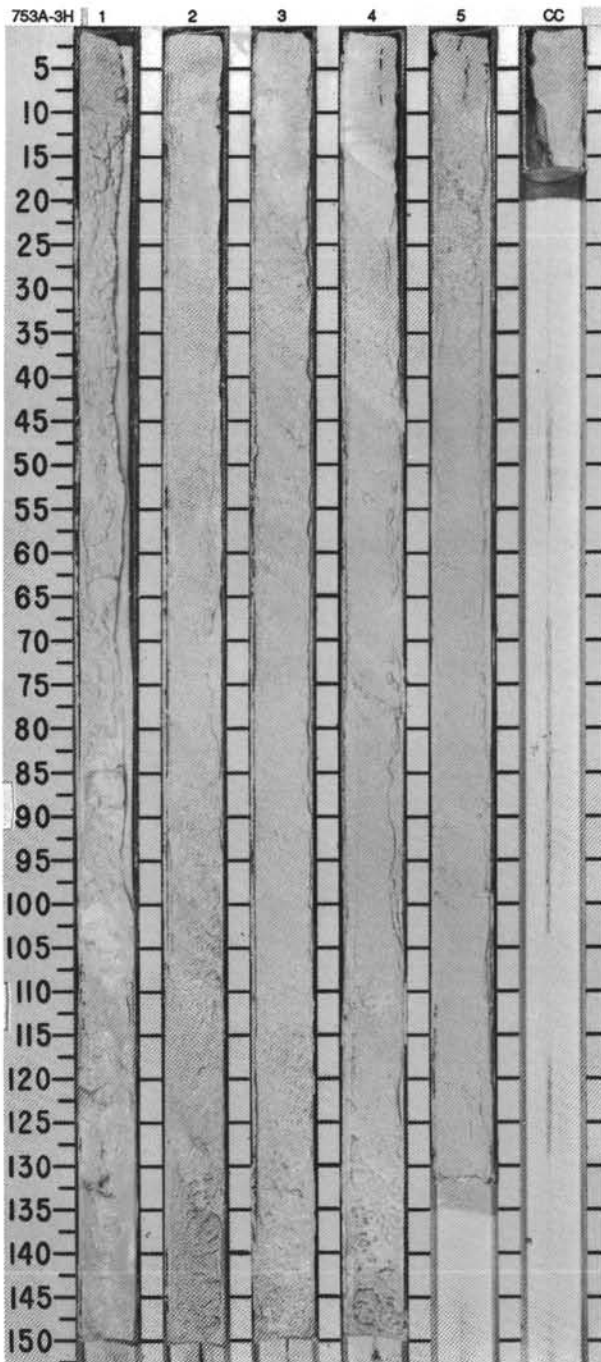


SITE 753 HOLE A CORE 2H CORED INTERVAL 7.5-17.2 mbsf

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	DIAATOMS									
UPPER MIOCENE		(LOWER PLIOCENE)										
A/G	<i>Globorotalia conomiozea</i>	A/G	<i>Globorotalia puncticulata</i>									
A/G	CN9	A/G	CN10b									
Barren		Barren										
Indeterminate												
	● 68.32 /-1.58		● 64.33 /-1.65		● 64.34 /-1.62		● 97.9					
	● 96.6						● 97.4					

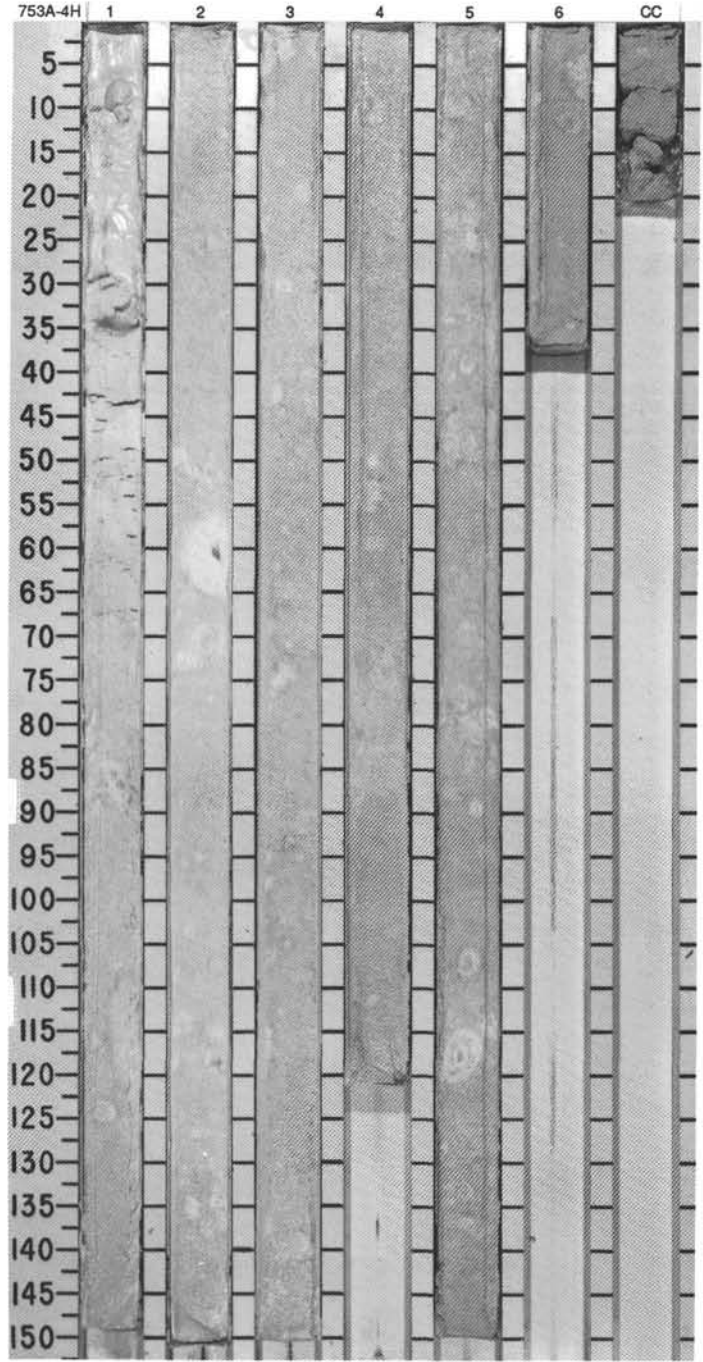


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS		PHYS. PROPERTIES		SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																					
FORAMINIFERS	NANNOFOSSILS	RADOLARIANS	DIATOMS	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY																													
UPPER MIOCENE														<p>FORAMINIFER NANNOFOSSIL OOZE</p> <p>Core liner shattered. Section 1 grades from soupy to moderately disturbed, the remainder is slightly to moderately disturbed.</p> <p>Major lithology: FORAMINIFER NANNOFOSSIL OOZE, white (10YR8/2), homogeneous, bioturbated, and mottled in places.</p> <p>Core catcher sample mean grain size is 46.8 µm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="0"> <tr> <td></td> <td>2, 80</td> <td>4, 80</td> </tr> <tr> <td>TEXTURE:</td> <td>D</td> <td>D</td> </tr> <tr> <td>Sand</td> <td>20</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>80</td> <td>85</td> </tr> </table> <p>COMPOSITION:</p> <table border="0"> <tr> <td>Foraminifers</td> <td>30</td> <td>25</td> </tr> <tr> <td>Glass</td> <td>Tr</td> <td>--</td> </tr> <tr> <td>Nannofossils</td> <td>70</td> <td>75</td> </tr> </table>		2, 80	4, 80	TEXTURE:	D	D	Sand	20	15	Silt	80	85	Foraminifers	30	25	Glass	Tr	--	Nannofossils	70	75
	2, 80	4, 80																																	
TEXTURE:	D	D																																	
Sand	20	15																																	
Silt	80	85																																	
Foraminifers	30	25																																	
Glass	Tr	--																																	
Nannofossils	70	75																																	
A/G		Globigerina neperthines							1	0.5																									
A/G		CN7 - CN8							2	1.0																									
Barren									3																										
		Indeterminate							4																										
									5																										
									CC																										

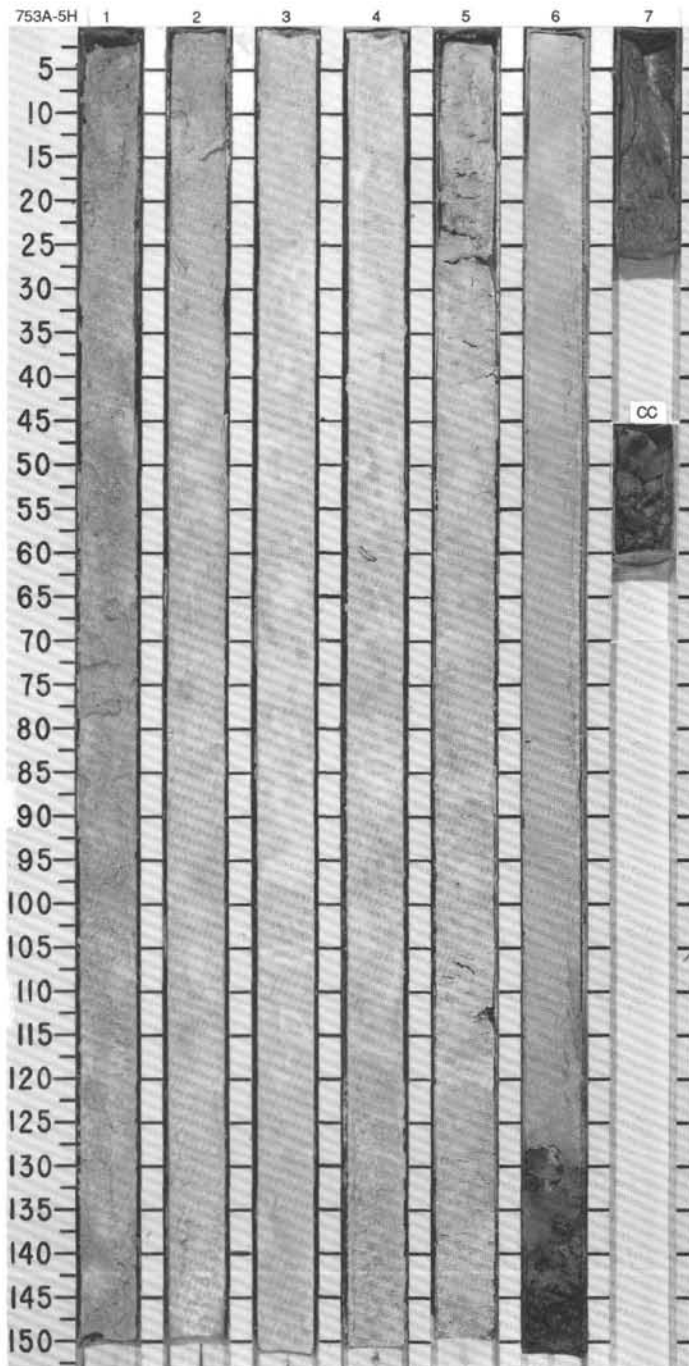


SITE 753 HOLE A CORE 4H CORED INTERVAL 24.4-34.0 mbsf

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	DYATOMS																																					
MIDDLE MIOCENE																																								
A/G	A/G	<i>Globorotalia peripheroacuta - peripheroronda</i> CN4					1	0.5	+				<p>FORAMINIFER NANNOFOSSIL OOZE</p> <p>Section 1, 0-60 cm grades from soupy to moderately disturbed, the remainder is slightly to moderately disturbed.</p> <p>Major lithology: FORAMINIFER NANNOFOSSIL OOZE, white (10YR8/1 to 10 YR 8/2), mottled in places and bioturbated.</p> <p>Core catcher sample mean grain size is 68.9 μm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.80</td> <td>4.80</td> </tr> <tr> <td>D</td> <td></td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>15</td> <td>15</td> </tr> <tr> <td>Silt</td> <td>85</td> <td>85</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>30</td> <td>25</td> </tr> <tr> <td>Glass</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Nannofossils</td> <td>70</td> <td>75</td> </tr> <tr> <td>Radiolarians</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Silicious Sponge Spicules</td> <td>Tr</td> <td>---</td> </tr> </table>		2.80	4.80	D		D	Sand	15	15	Silt	85	85	Foraminifers	30	25	Glass	---	Tr	Nannofossils	70	75	Radiolarians	---	Tr	Silicious Sponge Spicules	Tr	---
	2.80	4.80																																						
D		D																																						
Sand	15	15																																						
Silt	85	85																																						
Foraminifers	30	25																																						
Glass	---	Tr																																						
Nannofossils	70	75																																						
Radiolarians	---	Tr																																						
Silicious Sponge Spicules	Tr	---																																						
							2	1.0	+																															
							3		+																															
							4		+																															
							5		+																															
							6		+																															
							CC																																	

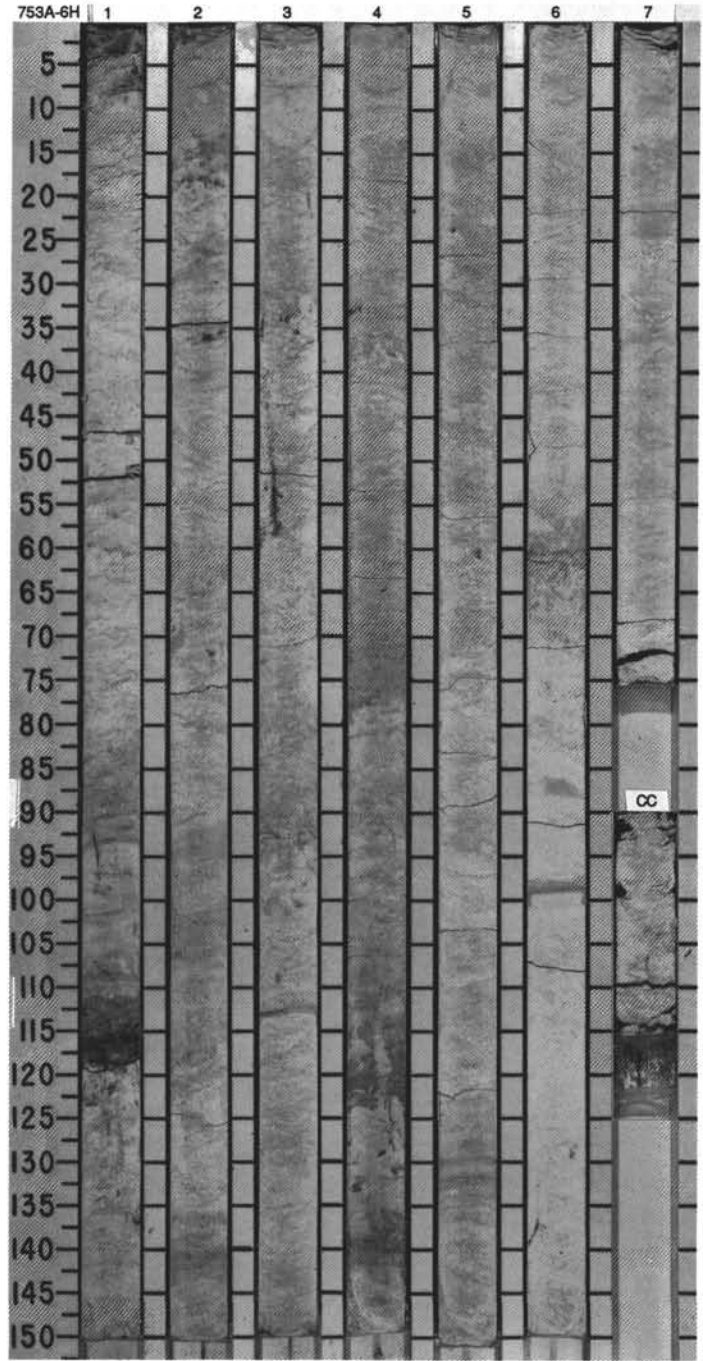


TIME-ROCK UNIT		BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																		
FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIA TOMS	FORAMINIFERS	NANNOFOSSILS											RADIOLARIANS	DIA TOMS																																																
LOWER MIOCENE		<i>Catapsydrax dissimilis</i>				Indeterminate									<p>FORAMINIFER NANNOFOSSIL OOZE</p> <p>Core liner is shattered. Section 1 is slightly disturbed. Section 7 is soupy, the remainder is undisturbed.</p> <p>Major lithology: FORAMINIFER NANNOFOSSIL OOZE. White (10YR 8/2) to very pale brown (10YR 7/3) from top to Section 6, 128 cm. Echinoid spine, 2.5 cm long, 0.3 cm diameter noted in Section 4, 60 cm.</p> <p>Sharp contact at Section 6, 128 cm, characterized by gravel layer of limestone pebble fragments and whole pebbles up to 5 cm in diameter. Color change at contact to yellowish brown (10YR 5/6) which grades into dark yellowish brown (10YR3/4).</p> <p>Minor lithology: Gravel (Section 6, 128-150 cm) dark limestone pebbles and fragments as much as 5 cm in diameter.</p> <p>Core catcher sample mean grain size is 53.8 µm, but included pebbles not measured by the instrument.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2, 80</td> <td>4, 80</td> <td>6, 80</td> <td>7, 21</td> </tr> <tr> <td>D</td> <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>35</td> <td>20</td> <td>35</td> <td>40</td> </tr> <tr> <td>Silt</td> <td>65</td> <td>80</td> <td>65</td> <td>60</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>40</td> <td>35</td> <td>40</td> <td>40</td> </tr> <tr> <td>Glass</td> <td>---</td> <td>---</td> <td>Tr</td> <td>---</td> </tr> <tr> <td>Nannofossils</td> <td>60</td> <td>65</td> <td>60</td> <td>50</td> </tr> <tr> <td>Opaeques</td> <td>---</td> <td>---</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Quartz</td> <td>---</td> <td>Tr</td> <td>Tr</td> <td>10</td> </tr> <tr> <td>Radiolarians</td> <td>Tr</td> <td>---</td> <td>---</td> <td>---</td> </tr> </table>		2, 80	4, 80	6, 80	7, 21	D	D	D	D	D	Sand	35	20	35	40	Silt	65	80	65	60	Foraminifers	40	35	40	40	Glass	---	---	Tr	---	Nannofossils	60	65	60	50	Opaeques	---	---	Tr	Tr	Quartz	---	Tr	Tr	10	Radiolarians	Tr	---	---	---
	2, 80	4, 80	6, 80	7, 21																																																													
D	D	D	D	D																																																													
Sand	35	20	35	40																																																													
Silt	65	80	65	60																																																													
Foraminifers	40	35	40	40																																																													
Glass	---	---	Tr	---																																																													
Nannofossils	60	65	60	50																																																													
Opaeques	---	---	Tr	Tr																																																													
Quartz	---	Tr	Tr	10																																																													
Radiolarians	Tr	---	---	---																																																													
A/M	A/G					● 97.2, 4.8			1	0.5																																																							
A/M		CN2				● 71.1, 5.2			2	1.0																																																							
Barren									3																																																								
		CN1				● 66.5, 3.3			4																																																								
						● 71.1, 5.5			5																																																								
						● 90.7			6																																																								
									7																																																								
									CC																																																								



SITE 753 HOLE A CORE 6H CORED INTERVAL 43.6-53.2 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	DIAATOMS																																																						
MIDDLE EOCENE				Normal				0.5					<p>CALCAREOUS NANNOFOSSIL CHALK</p> <p>Undisturbed.</p> <p>Major lithology: CALCAREOUS NANNOFOSSIL CHALK, white (10YR8/1) semi-indurated chalk. The entire core is mottled. Light greenish gray laminae are present intermittently in the entire core. Darker layers (ash?) and blebs are also present.</p> <p>Core catcher sample mean grain size is 35.5 µm</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>2.80</td> <td>4.80</td> <td>6.80</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>10</td> <td>15</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>85</td> <td>80</td> <td>90</td> </tr> <tr> <td>Clay</td> <td>5</td> <td>5</td> <td>5</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Foraminifers</td> <td>10</td> <td>20</td> <td>5</td> </tr> <tr> <td>Glass</td> <td>---</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Micrite</td> <td>30</td> <td>25</td> <td>30</td> </tr> <tr> <td>Nannofossils</td> <td>50</td> <td>55</td> <td>85</td> </tr> <tr> <td>Opaques</td> <td>Tr</td> <td>---</td> <td>---</td> </tr> <tr> <td>Quartz</td> <td>Tr</td> <td>---</td> <td>---</td> </tr> </table>		2.80	4.80	6.80	D	D	D	D	Sand	10	15	5	Silt	85	80	90	Clay	5	5	5	Foraminifers	10	20	5	Glass	---	Tr	Tr	Micrite	30	25	30	Nannofossils	50	55	85	Opaques	Tr	---	---	Quartz	Tr	---	---
	2.80	4.80	6.80																																																						
D	D	D	D																																																						
Sand	10	15	5																																																						
Silt	85	80	90																																																						
Clay	5	5	5																																																						
Foraminifers	10	20	5																																																						
Glass	---	Tr	Tr																																																						
Micrite	30	25	30																																																						
Nannofossils	50	55	85																																																						
Opaques	Tr	---	---																																																						
Quartz	Tr	---	---																																																						
A/M	P11-14				● 61.36		1	1.0																																																	
A/M	CP13C				● 61.70		2																																																		
Barren					● 92.4		3																																																		
				Reversed	● 61.28		4																																																		
					● 61.72		5																																																		
					● 88.1		6																																																		
					● 83.2		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																																																																																																																
MIDDLE EOCENE	P11-14	CP13c												<p>NANNOFOSSIL CHALK WITH FORAMINIFERS</p> <p>Undisturbed.</p> <p>Major lithology: NANNOFOSSIL CHALK WITH FORAMINIFERS, primarily white (5Y 8/1 and 5Y 8/2), with intermittent pale yellow (5Y 8/4) laminae, most notably in Section 5, 31 cm. Darker layers of gray (5Y 6/4) appear in distinct layers (Section 3, 0-34 cm, Section 5, 0-69 cm, and Section 6, 118-150 cm) and represent an increase in volcanic ash content in each layer. The entire core is mottled and bioturbated.</p> <p>Core catcher sample mean grain size is 21 μm.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <thead> <tr> <th></th> <th>2, 80</th> <th>3, 30</th> <th>4, 80</th> <th>5, 30</th> <th>6, 80</th> </tr> <tr> <th></th> <th>D</th> <th>M</th> <th>D</th> <th>M</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>Sand</td> <td>3</td> <td>8</td> <td>5</td> <td>40</td> <td>3</td> </tr> <tr> <td>Silt</td> <td>86</td> <td>88</td> <td>85</td> <td>60</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>11</td> <td>4</td> <td>10</td> <td>---</td> <td>2</td> </tr> </tbody> </table> <p>TEXTURE:</p> <table border="1"> <tbody> <tr> <td>Sand</td> <td>3</td> <td>8</td> <td>5</td> <td>40</td> <td>3</td> </tr> <tr> <td>Silt</td> <td>86</td> <td>88</td> <td>85</td> <td>60</td> <td>95</td> </tr> <tr> <td>Clay</td> <td>11</td> <td>4</td> <td>10</td> <td>---</td> <td>2</td> </tr> </tbody> </table> <p>COMPOSITION:</p> <table border="1"> <tbody> <tr> <td>Diatoms</td> <td>---</td> <td>2</td> <td>---</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Foraminifers</td> <td>15</td> <td>10</td> <td>10</td> <td>5</td> <td>10</td> </tr> <tr> <td>Glass</td> <td>Tr</td> <td>10</td> <td>Tr</td> <td>60</td> <td>Tr</td> </tr> <tr> <td>Micrite</td> <td>10</td> <td>6</td> <td>10</td> <td>---</td> <td>---</td> </tr> <tr> <td>Nannofossils</td> <td>73</td> <td>70</td> <td>80</td> <td>35</td> <td>90</td> </tr> <tr> <td>Quartz</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Radiolarians</td> <td>2</td> <td>2</td> <td>Tr</td> <td>Tr</td> <td>Tr</td> </tr> <tr> <td>Silicious Sponge Spicules</td> <td>Tr</td> <td>---</td> <td>Tr</td> <td>---</td> <td>Tr</td> </tr> <tr> <td>Silicoflagellates</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>Tr</td> </tr> </tbody> </table>		2, 80	3, 30	4, 80	5, 30	6, 80		D	M	D	M	D	Sand	3	8	5	40	3	Silt	86	88	85	60	95	Clay	11	4	10	---	2	Sand	3	8	5	40	3	Silt	86	88	85	60	95	Clay	11	4	10	---	2	Diatoms	---	2	---	Tr	Tr	Foraminifers	15	10	10	5	10	Glass	Tr	10	Tr	60	Tr	Micrite	10	6	10	---	---	Nannofossils	73	70	80	35	90	Quartz	---	---	---	---	Tr	Radiolarians	2	2	Tr	Tr	Tr	Silicious Sponge Spicules	Tr	---	Tr	---	Tr	Silicoflagellates	---	---	---	---	Tr
	2, 80	3, 30	4, 80	5, 30	6, 80																																																																																																															
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Clay	11	4	10	---	2																																																																																																															
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Diatoms	---	2	---	Tr	Tr																																																																																																															
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Micrite	10	6	10	---	---																																																																																																															
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Radiolarians	2	2	Tr	Tr	Tr																																																																																																															
Silicious Sponge Spicules	Tr	---	Tr	---	Tr																																																																																																															
Silicoflagellates	---	---	---	---	Tr																																																																																																															
					● 0-61.81 ● 7-1.68			1	0.5 1.0																																																																																																											
						● 91.1		2																																																																																																												
					Reversed			3																																																																																																												
					● 0-56.45 ● 7-1.73			4																																																																																																												
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