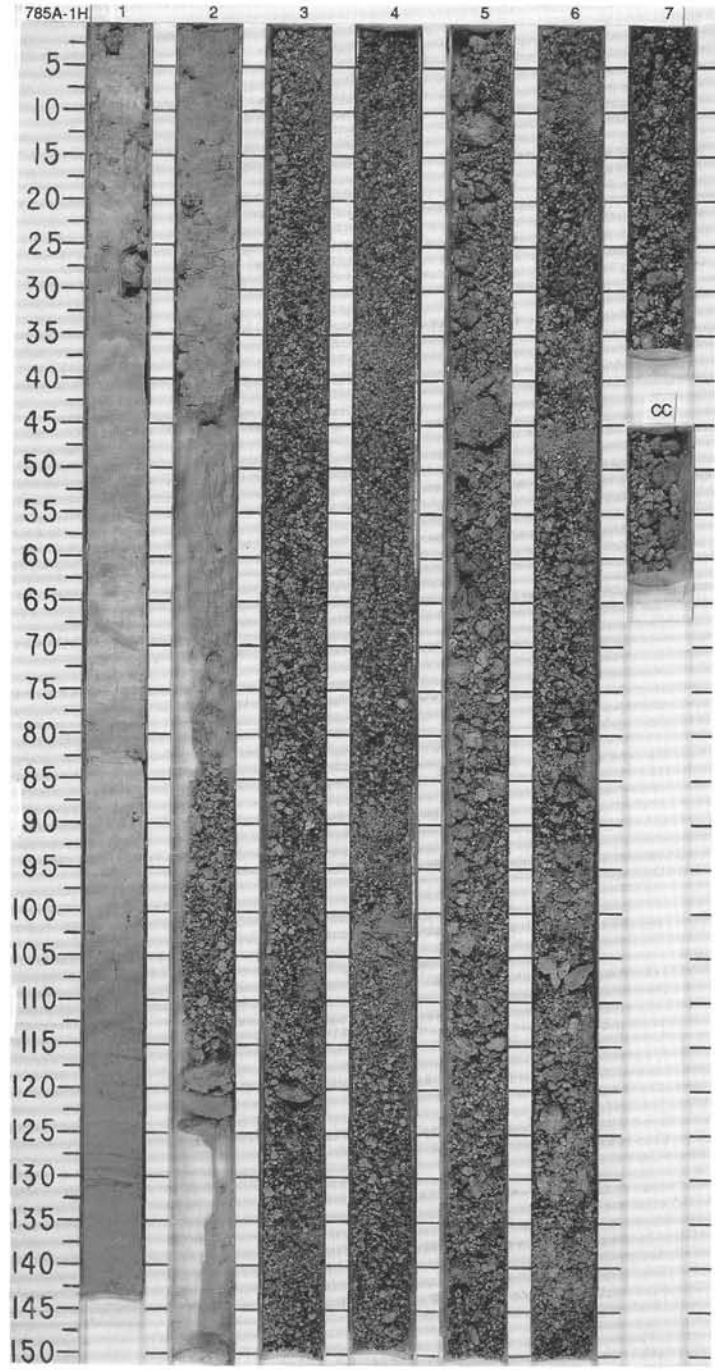


TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER			PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION																																																																																																												
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UPPER / MIDDLE PLEISTOCENE	A/G	N22						0.5					<p>NANNOFOSSIL OOZE and PUMICE</p> <p>Major lithology, PUMICE and NANNOFOSSIL OOZE, light brownish gray (2.5YR 6/2), light gray (7.5YR 7/0) and gray (7.5YR 6/0), with mottling that was produced by burrowing. The pumice fills Section 3 through Section CC; it is a poorly sorted mixture of subangular to subrounded pieces, 1 mm to 6 cm in size, with an increasing size downcore. This size variation probably represents coring disturbance. A graded silty glass-rich nannofossil ooze is present from 48-82 cm in Section 1. Grayish olive green (5GY 3/2) laminae of NANNOFOSSIL OOZE are present near the base of Section 1.</p> <p>SMEAR SLIDE SUMMARY (%):</p> <table border="1"> <tr> <td></td> <td>1.29</td> <td>1.60</td> <td>1.82</td> <td>1.130</td> <td>2.</td> </tr> <tr> <td>28</td> <td>D</td> <td>D</td> <td>D</td> <td>M</td> <td>D</td> </tr> </table> <p>TEXTURE:</p> <table border="1"> <tr> <td>Sand</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>5</td> </tr> <tr> <td>Silt</td> <td>10</td> <td>10</td> <td>35</td> <td>25</td> <td>20</td> </tr> <tr> <td>Clay</td> <td>90</td> <td>90</td> <td>65</td> <td>75</td> <td>75</td> </tr> </table> <p>COMPOSITION:</p> <table border="1"> <tr> <td>Clay</td> <td>8</td> <td>5</td> <td>10</td> <td>20</td> <td>15</td> </tr> <tr> <td>Diatoms</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>3</td> </tr> <tr> <td>Epidote</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>2</td> </tr> <tr> <td>Feldspar</td> <td>—</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Foraminifers</td> <td>5</td> <td>5</td> <td>5</td> <td>8</td> <td>8</td> </tr> <tr> <td>Glass</td> <td>—</td> <td>2</td> <td>20</td> <td>3</td> <td>3</td> </tr> <tr> <td>Micrite</td> <td>5</td> <td>5</td> <td>2</td> <td>10</td> <td>3</td> </tr> <tr> <td>Nannofossils</td> <td>72</td> <td>79</td> <td>51</td> <td>54</td> <td>60</td> </tr> <tr> <td>Opauques</td> <td>—</td> <td>—</td> <td>—</td> <td>2</td> <td>1</td> </tr> <tr> <td>Quartz</td> <td>2</td> <td>—</td> <td>8</td> <td>3</td> <td>2</td> </tr> <tr> <td>Radiolarians</td> <td>2</td> <td>2</td> <td>—</td> <td>—</td> <td>3</td> </tr> <tr> <td>Serpentine</td> <td>—</td> <td>—</td> <td>2</td> <td>—</td> <td>—</td> </tr> <tr> <td>Spicules</td> <td>1</td> <td>2</td> <td>—</td> <td>—</td> <td>—</td> </tr> </table>		1.29	1.60	1.82	1.130	2.	28	D	D	D	M	D	Sand	—	—	—	—	5	Silt	10	10	35	25	20	Clay	90	90	65	75	75	Clay	8	5	10	20	15	Diatoms	—	—	—	—	3	Epidote	—	—	—	—	2	Feldspar	—	—	2	—	—	Foraminifers	5	5	5	8	8	Glass	—	2	20	3	3	Micrite	5	5	2	10	3	Nannofossils	72	79	51	54	60	Opauques	—	—	—	2	1	Quartz	2	—	8	3	2	Radiolarians	2	2	—	—	3	Serpentine	—	—	2	—	—	Spicules	1	2	—	—	—
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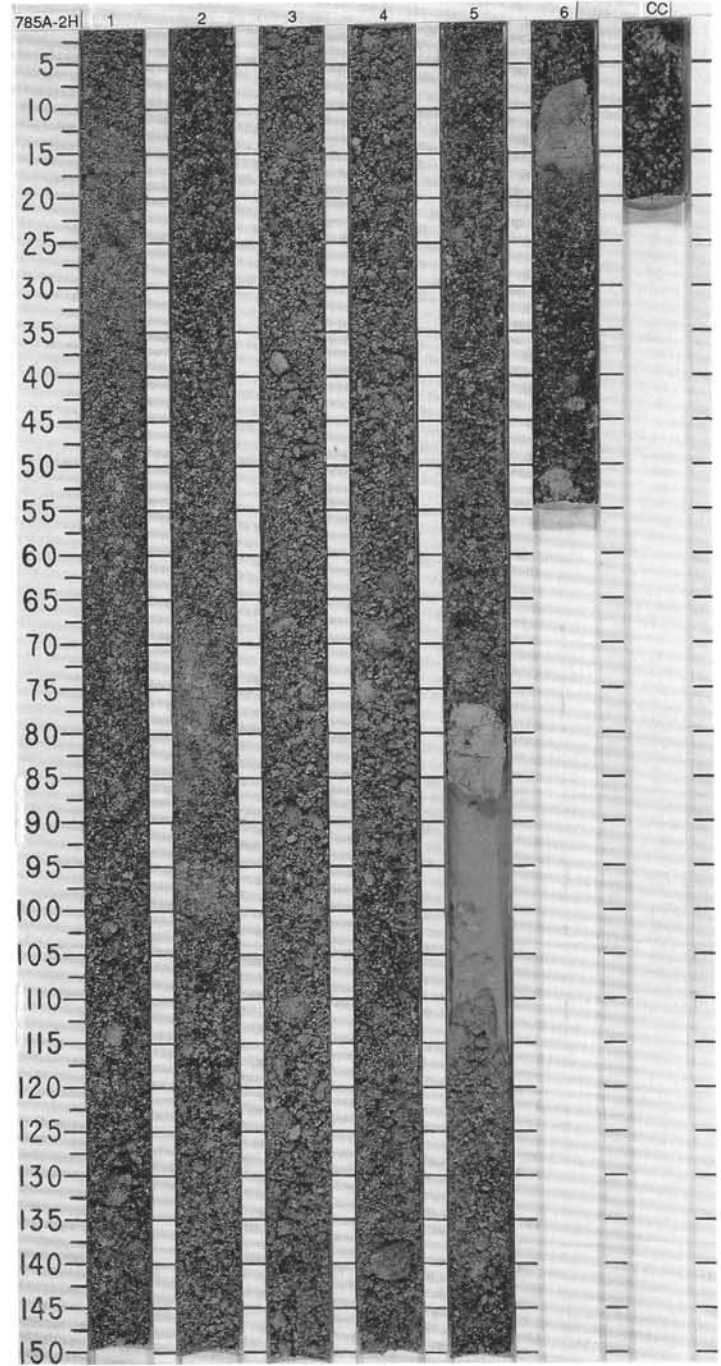


SITE 785 HOLE A CORE 2H CORED INTERVAL 2670.3-2679.8 mbsl; 9.5-19.0 mbsf

TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER	PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB.	SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
LOWER PLEISTOCENE											
A/C	lower Zone (N2Z) CN14a		● 0.50, 1 ● 0.1, 4.2			0.5 1					
F/P	<i>P. dolioius</i>		● 0.5, 3 ● 0.1, 4.8			1 2					
			● 0.5, 7 ● 0.1, 3			2 3					
			● 0.45, 6 ● 0.1, 7.7			3 4					
			● 0.28, 2 ● 0.1, 6.6			4 5					
			● 0.54, 6 ● 0.1, 6.3			5 6					
			● 0.1, 7.7 ● 0.1, 6.6			6 CC					
										TS XRF	

785 A 3X NO RECOVERY

785 A 4X NO RECOVERY

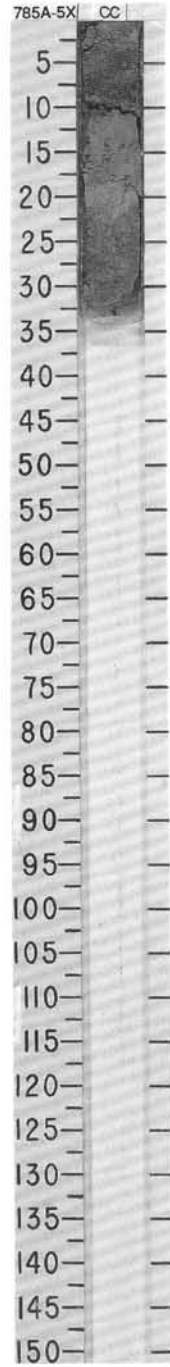


SITE 785 HOLE A CORE 5X CORED INTERVAL 2699.1-2708.6 mbsl; 38.3-47.8 mbsf

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	DIAZONS										
LOWER PLEISTOCENE	A/G	A/G												<p>NANNOFOSSIL OOZE AND VITRIC ASH</p> <p>Major lithology: NANNOFOSSIL OOZE, light gray (N 7), badly disturbed by drilling; may not be in place stratigraphically. Section CC contains a 4 cm-thick layer of granule-sized VITRIC ASH and pumice between 12 and 19 cm.</p>
lower Zone (N22)	CN14a	C/M												

SITE 785 HOLE A CORE 6X CORED INTERVAL 2708.6-2718.1 mbsl; 47.8-57.3 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	DIAZONS										
LOWER PLEISTOCENE	A/G	A/G												<p>One cm of core recovered in the core catcher; all material given to paleontologists.</p>
lower Zone N22	CN14b	B												



SITE 785 HOLE A CORE 7X CORED INTERVAL 2718.1-2727.6 mbsl; 57.3-66.8 mbsf

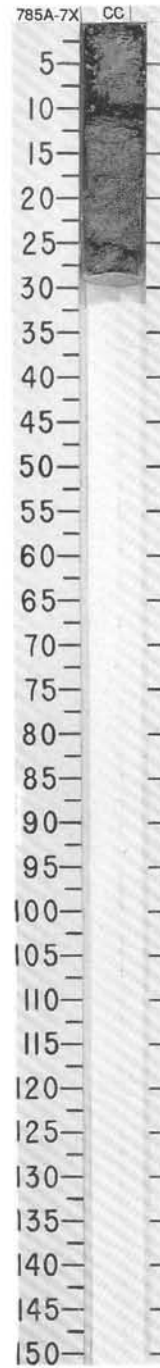
TIME-ROCK UNIT	BIOSTRAT. ZONE/ FOSSIL CHARACTER				PALEOMAGNETICS	PHYS. PROPERTIES	CHEMISTRY	SECTION	METERS	GRAPHIC LITHOLOGY	DRILLING DISTURB. SED. STRUCTURES	SAMPLES	LITHOLOGIC DESCRIPTION
	FORAMINIFERS	NANNOFOSSILS	RADIOLARIANS	DIATOMS									
LOWER PLEISTOCENE	A/G							CC	7.9				<p>NANNOFOSSIL OOZE and VITRIC ASH</p> <p>Major lithology: NANNOFOSSIL OOZE, light gray (N 7), badly disturbed by drilling; may not be in place stratigraphically. Section CC contains a 2 cm-thick layer of granule-sized VITRIC ASH and pumice at 7.9 cm.</p>

785 A 8X NO RECOVERY

785 A 9X NO RECOVERY

785 A 10X NO RECOVERY

785 A 11X NO RECOVERY



125-785A-2H-05 (131-134 cm)

OBSERVER: JOH

WHERE SAMPLED: Izu-Bonin forearc

ROCK NAME: Pumice

GRAIN SIZE: Glass

TEXTURE: Glassy vesicular

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Spinel	Trace	Trace	<0.01		Subhedral	Equant.
GROUNDMASS						
Glass	<5	100	N/A		N/A	Glass, now brown and devitrified.
SECONDARY MINERALOGY						
Clays	>95	Glass				Brown, amorphous, pervasive.
Chlorite	Trace	Glass				Slight yellow-green pleochroism.

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	25		<2			Stretched.

COMMENTS: Pumice fragment, stretched glass altered to clay. Pink tinge to section may result from thin section preparation or a Mn component in the clay. No piece number given.

125-785A-5X-CC (25-28 cm)

OBSERVER: JOH

WHERE SAMPLED: Izu-Bonin forearc

ROCK NAME: Pumice

GRAIN SIZE: Glass

TEXTURE: Glassy vesicular

PRIMARY MINERALOGY	PERCENT PRESENT	PERCENT ORIGINAL	SIZE (mm)	COMPOSITION	MORPHOLOGY	COMMENTS
PHENOCRYSTS						
Spinel	Trace	Trace	<0.01		Subhedral	Equant.
GROUNDMASS						
Glass	<10	100	N/A		N/A	Brown, devitrified. Small portions of fresh, colorless glass.
SECONDARY MINERALOGY						
Clays	>90	Glass				Brown, amorphous, pervasive.

VESICLES/CAVITIES	PERCENT	LOCATION	SIZE (mm)	FILLING	SHAPE	COMMENTS
Vesicles	20-25		<2			Elongate, irregular, stretched.

COMMENTS: Pink tint to section may result from clay or preparation of thin section. No piece number given.