GSA Data Repository Item # 8605

Title of article Stable Isotopes in Late Middle Eocene to Oligocene Foraminifera

Author(s) Lloyd D. Keigwin and Bruce H. Corliss

see Bulletin v. 97, p. 335 - 345

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# Appendix 1. EOCENE-OLIGOCENE DATA TABLE

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### B. alaza-nensis

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<td>$\delta C$</td>
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* = C. cubensis
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<th>C. unicava 124 - 180µm</th>
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* = C. cubensis
### ST. STEPHEN'S QUARRY

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|        | 18         | 13         | 0           | 0                | 0           |
|        | 0          | C          | 0           | 0                | 0           |

|    | 25         | -0.35      | 0.12        | -0.58             | 0.59        |
|    | 24         | -0.13      | -0.16       | -0.56             | 0.45        |
|    | 15         | 2.13       | 0.18        | 0.10              | 0.10        |
|    | 14         | 1.98       | 0.26        | 0.35              | 0.35        |
|    | 13         | 1.83       | 0.28        | 0.07              | 0.30        |
|    | 12         | 1.68       | 0.27        | 0.31              | 0.38        |
|    | 11         | 1.52       | -0.88       | -1.35             | -1.35       |
|    | 10         | 1.37       | -0.45       | -0.60             | -1.61       |
|    | 9          | 1.17       | -0.07       | -1.09             | -1.64       |
|    | 8          | 1.07       | -0.09       | -0.26             | -1.64       |
|    | 7          | .91        | -0.19       | -0.13             | -1.64       |
|    | 6          | .76        | -0.24       |                   | -1.64       |
|    | 5          | .61        | -0.42       | 0.02              | -1.64       |
|    | 4          | .46        | -0.95       | -1.51             | -1.64       |
|    | 3          | .30        | -0.89       | -0.53             | -1.64       |
|    | 2          | .15        | -0.69       | -0.11             | -1.64       |

* height above Pachuta-Shubuta contact.

### DSDP 253

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<p>|    | 11-1, 97  | 95.47    | 1.61         | 0.19         | 1.21        | 0.67       |
|    | 11-3, 97  | 98.47    | 1.59         | 0.19         | 1.52        | 0.83       |
|    | 11-6, 97  | 102.97   | 1.37         | 0.32         | 1.16        | 0.88       |
|    | 12-4,139  | 109.89   | 1.61         | 0.60         | 1.31        | 1.15       |
|    | 12-5, 40  | 110.40   | 1.51         | 0.64         | 1.34        | 1.35       |
|    | 12-5,115  | 111.15   | 1.57         | 0.62         | 1.37        | 1.30       |
|    | 12-6,100  | 112.50   | 1.93         | 0.78         | 1.47        | 1.32       |
|    | 12cc      | 113.50   | 1.51         | 1.01         | 1.51        | 1.38       |
|    | 13-1, 10  | 113.60   | 1.25         | 0.48         |             |            |
|    | 13-1,120  | 114.70   | 1.14         | 0.76         | 1.11        | 1.30       |</p>
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### DSDP 253 (Cont'd)

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### DSDP 214

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### DSDP 548A

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**Hantkenina**

- >125μm

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### DSDP 94

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**P. micra**

- 125 - 150μm

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**C. cubensis**

- 125 - 150μm

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### DSDP 217

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### DSDP 612

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| P. micra          | P. gemma          | G. cerroazulensis |
|                  | (124 - 150μm)     | (63 - 125μm)     |
|                  | (18 13)           | (18 13)          |
|                  | δ O δ C           | δ O δ C          |
| 16-6, 117        |                     | -0.19 -1.29      |
| 17-1, 120        |                     | -0.59 -0.21      |
| 17-2, 120        |                     | -0.90 -0.50      |
### DSDP 592

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### DSDP 593

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Appendix 2. Paleodepth determinations (all depths in meters).

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<th>Site</th>
<th>Water Depth</th>
<th>Basement Depth</th>
<th>Basement Age (Ma)</th>
<th>Total Sediment Thickness</th>
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Appendix 2. Paleodepth determinations (all depths in meters). Cont'd

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(a) for these locations present-day water depth is assumed.
(b) present water depth corrected by Δ depth in 37 mY.
(c) based on seismics.
(d) Barker (1983).
(e) Miller and Fairbanks (1983).