Core no. 12310-3B.C. N 23° 29.9' W 18° 43.0': 3076 m b.s.l.
12310-4K.C. 3080 m b.s.l.

Age control:
Date: 1991
- P. murrhina δ¹⁸O record (Koopmann, 1979).
- AMS ¹⁴C analogue stratigraphy.
- ¹⁴C ages of carbonate coarse fraction (H. Erlenkeuser, unpublished data).

Core fit:
- 0 cm in core -4 = 12 cm in core -3.
- Based on extrapolation of gradients in CaCO₃ curves.
- Based on overlap of planktonic and benthonic δ¹⁸O and δ¹³C curves.

Surface sediment age:
- Zero, assuming no sediment loss at surface of B.C. -3.

Age/depth correlation:

<table>
<thead>
<tr>
<th>Comp. depth</th>
<th>¹⁴C age</th>
<th>Error ±</th>
<th>Calendar years</th>
<th>Sed.rate</th>
<th>Original interval/material/</th>
<th>Core no.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>[cm]</td>
<td>[ky BP]</td>
<td>[ka]</td>
<td>[cm/ky]</td>
<td></td>
<td>δ¹⁸O stratigraphy</td>
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<td></td>
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<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td>-3</td>
<td>-4</td>
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</tr>
<tr>
<td>19.0</td>
<td>6.64</td>
<td>120</td>
<td>a)</td>
<td>-4.5-9.5 cm/</td>
<td>AMS ¹⁴C analogue</td>
<td>-4</td>
<td>Ignored</td>
</tr>
<tr>
<td></td>
<td>6.63</td>
<td>125</td>
<td>a)</td>
<td>4.5-9.5 cm/</td>
<td>Total carbonate &gt; 125 µm</td>
<td>-4</td>
<td>Ignored</td>
</tr>
<tr>
<td>43.5</td>
<td>8.39</td>
<td>320</td>
<td>a)</td>
<td>30-33 cm/</td>
<td>AMS ¹⁴C analogue</td>
<td>-4</td>
<td>Ignored</td>
</tr>
<tr>
<td></td>
<td>9.1</td>
<td>9.8</td>
<td>b)</td>
<td>Total carbonate &gt; 63 µm</td>
<td>AMS ¹⁴C analogue</td>
<td>-4</td>
<td></td>
</tr>
<tr>
<td>57.0</td>
<td>9.1</td>
<td>9.8</td>
<td>b)</td>
<td>5.82</td>
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<td>-4</td>
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</tr>
<tr>
<td>66.25</td>
<td>11.6</td>
<td>11.6</td>
<td>b)</td>
<td>Top Younger Dryas</td>
<td>AMS ¹⁴C analogue</td>
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<tr>
<td>107.5</td>
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<td>18.3</td>
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<tr>
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<td>26.0</td>
<td>29.5</td>
<td>b)</td>
<td>11.05</td>
<td>AMS ¹⁴C analogue</td>
<td>-4</td>
<td></td>
</tr>
</tbody>
</table>

a) see Winn et al. (1991).

Remarks:
- ²³⁰Th und ²³¹Pa fluxes (Mangini & Haass, 1983) show average sedimentation rates of 2.5 to 7.0 cm/ka down to δ¹⁸O event 3.3.
- Corg, CO₂/Alk, N₂total data (Hartmann et al., 1976).
- C. wuellerstorfi at 12.5 cm composite depth in core -4 (Duplessy et al., 1984).
- Dry bulk density analogue to neighbour core 12379-3.

Original references:

LGM time slice:
- GLAMAP: 107.5-138 cm comp. depth = 95.5-126 cm orig. depth in core (-4)
- EPILOG: 114-147.5 cm comp. depth = 102-135.5 cm orig. depth in core (-4)

LGM foraminifera counts:
- Thiede (JT)
  - GLAMAP: (in core -4) 96, 111.5, 121.5 cm orig. depth.
  - EPILOG: (in core -4) 111.5, 121.5 cm orig. depth.

References for faunal analysis: