Figure F26
Figure F27

Magnetic susceptibility
(10⁻⁶ SI Units)

Composite depth (mcd)

- Hole 1210A
- Hole 1210B

LPTM

E/O

Paleocene

Eocene
Figure F28
Figure F30
1209-1212 age vs. depth

<table>
<thead>
<tr>
<th></th>
<th>Neogene</th>
<th>Paleogene</th>
<th>Cretaceous</th>
</tr>
</thead>
<tbody>
<tr>
<td>P, Pli.</td>
<td>Miocene</td>
<td>Oligo.</td>
<td>Eocene</td>
</tr>
<tr>
<td>Pli.</td>
<td></td>
<td></td>
<td>Paleoc.</td>
</tr>
<tr>
<td>Miocene</td>
<td></td>
<td></td>
<td>Maast.</td>
</tr>
<tr>
<td>Oligo.</td>
<td></td>
<td></td>
<td>Camp.</td>
</tr>
<tr>
<td>Eocene</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Paleoc.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maast.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Camp.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Age (Ma) on the x-axis and Depth (mbsf) on the y-axis. The figure shows data points for Sites 1209, 1210, 1211, and 1212 for the periods of Neogene, Paleogene, and Cretaceous.

Figure F31
Figure F32
Figure F34
Figure F36
Figure F39
Figure F40

% Biosiliceous material in late Neogene-Quaternary sediments on Shatsky Rise

Depth (mbsf)

Site 1207
Site 1208
Site 1209
Site 1210
Site 1211
Site 1212
Site 1213

Smear slides with no biosiliceous component

Pleistocene
Pliocene
upper-middle Miocene

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Figure F41
Figure F43
Figure F44
Figure F45

Formation Microscanner (FMS)
Resistivity image
Static normalization

Chert position
Chert thickness (m)
Chert (%)

Resistive
Conductive

NW SEN

thin chert layers
ooze/chalk layer

Depth (mbsf)
Southern Shatsky Rise Transect

Magnetic susceptibility (10^{-6} SI)

Site 1211
2907 mbsl

Site 1212
2681 mbsl

Site 1210
2573 mbsl

Site 1209
2387 mbsl

Composite depth (mcd)

K/T

LPTM

Figure F46
Figure F47

Southern Shatsky Rise Transect

Magnetic susceptibility
(10^-6 SI)

Composite depth (mcd)

Site 1211
2907 mbsl

Site 1210
2573 mbsl

Site 1209
2387 mbsl

Oligocene

Eocene
Figure F48
Figure F49
Figure F50

- Oxygen Index (mg CO₂/g TOC)
- Hydrogen Index (mg HC/g TOC)

Legend:
- Red: Hole 1207B
- Blue: Hole 463
- Green: Hole 866A
- Orange: Hole 1213B

Organic Carbon (wt%)
- 1
- 5
- 10
- 15
- 20
- 25
- 30
- 35

Carbonate-enhanced OI values

- Hole 8R-1 63
- Hole 8R-1 47
- Hole 44R-1 103
- Hole 8R-1 96
- Hole 19R-1 112
- Hole 15R-1 9
Figure F51
Figure F51 (continued)
Figure F52
Figure F53
Figure F55
Stage | Foram (ks) zone | Site 1212 (2681 m) | Site 305 (2903 m) | Site 1207 (3101 m) | Site 1208 (3346 m) | Site 1214 (3402 m) | Site 306 (3416 m) | Site 1213 (3883 m) | Site 50 (4487 m)
---|---|---|---|---|---|---|---|---|---
Maast. | 31 | | | | | | | | |
| 30 | | | | | | | | |
| 29 | | | | | | | | |
| 28 | | | | | | | | |
| 27 | | | | | | | | |
Campanian | 26 | | | | | | | | |
| 25 | | | | | | | | |
| 24 | | | | | | | | |
| 23 | | | | | | | | |
| 22 | | | | | | | | |
| 21 | | | | | | | | |
| 20 | | | | | | | | |
| 19 | b | | | | | | | |
| 18 | a | | | | | | | |
| 17 | | | | | | | | |
Cenom. | 16 | | | | | | | | |
| 15 | | | | | | | | |
| 14 | b | | | | | | | |
| 13 | a | | | | | | | |
| 12 | | | | | | | | |
Albian | 11 | | | | | | | | |
| 10 | | | | | | | | |
| 9 | | | | | | | | |
| 8 | | | | | | | | |
| 7 | | | | | | | | |
| 6 | | | | | | | | |
Aptian | 5 | | | | | | | | |
| 4 | | | | | | | | |
| 3 | | | | | | | | |
| 2 | | | | | | | | |
Haut. | | | | | | | | | |
Barrem. | | | | | | | | | |

Figure F56