Paleogeographic Reconstructions
With Sediment Isopachs

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Progress Report No. 104-0695

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This atlas displays a series of reconstructions from 100 Ma to Present. The data displayed include coastlines and sutures (from coast25.1995) and sediment isopachs (from isopachs.1995). In the summer of 1994, Mobil Exploration and Producing Technical Center of Dallas, TX, gave the PLATES Project a global digital set of sediment isopachs. The data are now in PLATES format and have been assigned plate identification numbers but have not yet been assigned ages. Figure 1 (0 Ma) shows how the data have been assigned to plates. Figures 2 through 12 present reconstructions from 100 Ma to Present. The isopachs were colored according to thickness (in kilometers).

<table>
<thead>
<tr>
<th>Kilometers</th>
<th>Colors</th>
<th>Kilometers</th>
<th>Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Black</td>
<td>8</td>
<td>Black</td>
</tr>
<tr>
<td>1</td>
<td>Blue</td>
<td>9</td>
<td>Blue</td>
</tr>
<tr>
<td>2</td>
<td>Green</td>
<td>10</td>
<td>Green</td>
</tr>
<tr>
<td>4</td>
<td>Red</td>
<td>12</td>
<td>Red</td>
</tr>
<tr>
<td>6</td>
<td>Pink</td>
<td>15</td>
<td>Pink</td>
</tr>
</tbody>
</table>

Methodology
The following color table (col.tab) was used to assign colors to assign color to the isopachs.

IP 0 1
IP 1 2
IP 2 3
IP 4 4
IP 6 7
IP 8 1
IP 9 2
IP 10 3
IP 12 4
IP 15 7

The output PostScript file was renamed to 20.ps. Then the program colorpost was run to add color to the PostScript file. The input for colorpost was:

20.ps 20.cps 1 17 11

The color PostScript file was then sent to a color laser printer.

The program Paleomap was run to produce the PostScript file. The inputs for the 20 Ma reconstruction are as follows: