Seismological Constraints on Core Composition from Fe-O-S Liquid Immiscibility

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Fig. S1. Map of Japan showing the J-Array. The network comprises ~800 three-component short-period instruments sampled at 100 sps. Data repository is Tsukuba, Japan.
Table S1. Hypocentral information for events used in analysis

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Lat. (°)</th>
<th>Lon. (°)</th>
<th>Depth (km)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1991/06/07</td>
<td>11:51:25.9</td>
<td>7.119S</td>
<td>122.699E</td>
<td>520.0km</td>
</tr>
<tr>
<td>1999/11/08</td>
<td>16:42:42.0</td>
<td>36.472N</td>
<td>71.236E</td>
<td>225.8km</td>
</tr>
<tr>
<td>2000/08/07</td>
<td>14:30:56.0</td>
<td>7.020S</td>
<td>123.360E</td>
<td>648.5km</td>
</tr>
<tr>
<td>2002/03/03</td>
<td>12:10:00.0</td>
<td>36.430N</td>
<td>70.440E</td>
<td>209.0km</td>
</tr>
</tbody>
</table>