<table>
<thead>
<tr>
<th>Quantity</th>
<th>Prior range</th>
</tr>
</thead>
<tbody>
<tr>
<td>$d$</td>
<td>$[0, 20]$</td>
</tr>
<tr>
<td>$\vartheta$</td>
<td>$[-180^\circ, 180^\circ]$</td>
</tr>
<tr>
<td>$r_D$</td>
<td>$[0, \kappa]$</td>
</tr>
<tr>
<td>$\vartheta r_D$</td>
<td>$[-180^\circ, 180^\circ]$</td>
</tr>
<tr>
<td>$r_G$</td>
<td>$[0, \kappa]$</td>
</tr>
<tr>
<td>$\vartheta r_G$</td>
<td>$[-180^\circ, 180^\circ]$</td>
</tr>
<tr>
<td>$\gamma$ (analysis A only)</td>
<td>$[-180^\circ, 180^\circ]$</td>
</tr>
<tr>
<td>$-2\beta_s$ [rad] (analysis B only)</td>
<td>$[-\pi, \pi]$</td>
</tr>
</tbody>
</table>