Approximate Rate Density with Observations  $\label{eq:mw} \text{Mw} > 3.0 \\ 118.8^\circ\text{W}\,118.2^\circ\text{W}\,117.6^\circ\text{W}\,\,\,117^\circ\text{W}\,\,\,116.4^\circ\text{W}$ 

