



## **Felt reports at large distances of the earthquakes in non-seismic Kaliningrad in West Russia.**

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The earthquake activity in Northern Europe is generally of magnitude well below 6 and with felt reports from distances up to a few hundred kilometres. The earthquakes of magnitudes 4.4 and 5.0 in the Kaliningrad enclave of West Russia on 21 SEP 2004 were exceptional in an area devoid of seismic activity. Macroseismic felt observations were collected in all of the nine countries surrounding the Baltic Sea and further away in Norway and Belarus, at exceptionally long distances of up to 800 km. Minor damage occurred in the Kaliningrad enclave and in Northern Poland. As far away as in Landskrona in Southern Sweden the town hall was evacuated for a moment. The intensity distribution is very elongated along the geological trend of the Tornquist Zone, along the edge of the Baltic Shield and the East European Platform. This pattern is almost a mirror image of that of the Oslo earthquake in 1904, which was felt as far away as in the Baltic states.