



Universität Hamburg

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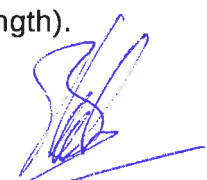
Dear Dirk,

in your mail from 2 Feb 2011 you asked Bernard Dost and me about our common interpretation of the source mechanism of the 2001 Alkmaar earthquakes, since a full report has not been finished so far.

The source mechanism study shows that a fault with a strike of 130-160 degrees and a dip of 60-80 degrees was active during the 9. September 2001 Alkmaar Earthquake. After contacting Bernard Dost we can give you the following conclusions.

There is some uncertainty with respect to the movement on this fault plane. Waveform modeling results seems to indicate a strike-slip movement with a small vertical component. The vertical movement refers to minor normal or minor reverse movement that has occurred as an element of the overall strike-slip movement. However, further modeling will be required to find a more definite solution. The uncertainty on the movement on the fault plane has no effect on the estimate of the maximum magnitude, since this has been determined on the basis of other information (statistics and available fault length).

  
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