

Motion in the north Iceland volcanic rift zone accommodated by bookshelf faulting

Supplementary Figure 1: Fault plane solutions for swarm of May 2012.

Pdf - 308kb

Great circles show the two nodal planes of each focal mechanism. Ray take-off angles to each seismic station are plotted as either open circles (dilatational arrival) or crosses (compressional arrival). The date, time and depth of each event is listed above each focal mechanism.

Supplementary Figure 2: Fault plane solutions for swarm of August 2009.

Pdf 149kb

Great circles show the two nodal planes of each focal mechanism. Ray take-off angles to each seismic station are plotted as either open circles (dilatational arrival) or crosses (compressional arrival). The date, time and depth of each event is listed above each focal mechanism.

Supplementary Figure 3: Fault plane solutions for swarms of July and December 2009.

Pdf 166kb

Great circles show the two nodal planes of each focal mechanism. Ray take-off angles to each seismic station are plotted as either open circles (dilatational arrival) or crosses (compressional arrival). The date, time and depth of each event is listed above each focal mechanism.

Supplementary Figure 4: Fault plane solutions for swarms of May 2011 and August 2012.

Pdf 122kb

Great circles show the two nodal planes of each focal mechanism. Ray take-off angles to each seismic station are plotted as either open circles (dilatational arrival) or crosses (compressional arrival). The date, time and depth of each event is listed above each focal mechanism.

Supplementary Table 1: Micro-earthquake hypocentres and fault plane solutions.

xls 18kb

Hypocentral locations are after double difference relocation with HypoDD²⁹ and fault plane solutions are those obtained with PPFIT³⁰. Listed as Latitude, Longitude, Depth, Strike, Dip, Rake.

