Appendix 1: Vorticity analysis data based on lawsonite shape fabrics; samples are located on Fig. 1. Vertical dashed lines are chosen critical aspect ratios Rc that are used to determine Wm. The choice of the critical aspect ratio Rc was made after consideration of two criteria: the overall shape of the envelope of data points and the angle between lawsonite long axes and the glaucophane (omphacite in sample SV08-176B) foliation. In samples SV08-17A and 274A, the envelope shows an abrupt slope at low aspect ratios, defining a clear cut-off value. In samples SV01-49A and SV08-5D, there is also a steep slope of the envelope, but the cut-off value is not so clear and is likely comprised between two possible values. In all pods and fault zone slivers samples, the envelope shows a smooth curvature over a broad range of aspect ratios. In this case, Rc was evaluated on the basis of the angular value: where two Rc are shown, the right-hand Rc shows the cut-off value where the total amplitude of angle to foliation is < 30°; the left-hand Rc is a more conservative value of Rc where the > 30° total amplitude of angle to foliation is controlled by relatively few data points or where the envelope of data points shows a steep slope.