Application of a pre-stack depth migration for wide-angle ocean-bottom seismic data observed closely deployed receivers

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Recently, an application of a pre-stack depth migration for wide-angle seismic data has been tested. It is, however, difficult to observe real wide-angle data which are able to apply this methods, since closely deployed stations (or shots in case of a land observation) are necessary. Little study, thus, has tested this method for a realistic model. This study present numerical tests applying a pre-stack depth migration for wide-angle data calculated from a realistic subduction structure.