The structural analysis using prestack migration method of seismic reflection data in the Philippine Sea area (2)

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Investigation of the crustal structure of back arc basins is important to elucidate back arc opening and rifting in the Philippine Sea plate. The Parece Vela Basin is a currently inactive back arc basin of the Philippine Sea plate. To investigate its fault configurations and crustal deformation, we applied prestack depth migration, which is a powerful tool for imaging of deep seismic reflection structures, to multi-channel seismic reflection data obtained for the PVB by the Japan Agency for Marine-Earth Science and Technology and Metal Mining Agency of Japan and Japan National Oil Corp.