



Receiver function probing of the Baikal Rift Zone

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The preliminary results of both P-to-S and S-to-P receiver function investigations of the Lake Baikal region indicate variations of crustal thickness along the 1992 temporary deployment of seismic stations across the Baikal Rift zone. The Mongolian platform at the southern edge of the profile is separated from the Siberian platform in the north of the array by the Baikal Rift Zone which is marked by a slight thinning of the crust and distortion of conversion phases from the crust-mantle boundary. The Moho across the Siberian Platform, at the northern part of the array, is traced slightly shallower than the Moho under the Mongolian Platform.