Seismic reflection profiling across the Mikata fault, Kinki district

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We present high-resolution seismic reflection profiling acquired by the hammer and 24-channel recording system. A 1.0 meter source and geophone spacing give a 0.5 meter CMP spacing on the profile. The normal CMP stacking fold had 24 traces used by the same shot point. The location and continuity of active faults comprising a part of the Kinki region are clearly expressed in terms of topography. This area is the so-called Kinki Triangle. This study presents the results of seismic reflection surveys across the Fukurojou Maiseki Valley in the northern part of the Kinki Triangle. The subsurface configurations of the active faults are correlated with geomorphological fault trace and are related with the fault strikes.

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