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SSS031-04 Room:105 Time:May 23 11:30-11:45

## Subsurface structures of active blind thrusts in Kanto plain

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We show subsurface geometry of active blind thrusts in Kanto plain revealed by deep seismic reflection profiles. Moderately dipping blind thrusts are distributed beneath the Kanto plain underlain by several thousand meters thick Neogene sedimentary units. Locations of blind thrusts are well consistent with large gradient of gravity anomaly. Deep seismic reflection profiles corroborate that these blind thrusts are reactivated listric normal faults comprising Miocene half graben. While rates of slip along these structures are commonly slow (~0.1 mm/yr) based on offsets of late Pleistocene terrace deposits, their proximity to the metropolitan area urges more intense effort to identify their potential seismic hazards including locations, sizes, rates of slip, and geometries of blind thrusts.