

The relation between result of reflection survey and earthquake activity off BOSO peninsula

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The reflection survey "BOSO OKI SENKAITEI" was conducted off BOSO peninsula by JNOC, on 1998. In this region, cluster of earthquakes have been occurred occasionally, including Earthquake of 1987 off CHIBA(M6.7), and the shallower part of them is considered as activity between land plate and Philippine Sea plate. We re-processed the reflection data after 6 sec in two-way travel time, to study the relation between the result of reflection survey and earthquake activity. As the result, reflectors are recognized at 5 sec and 6 sec in two-way travel time at the northern end of processing region, and 7 sec at southern end, with northern slope. In this research, we compare this result with re-determined earthquake distribution and discuss the relation between them.