

A Preliminary Report on a Search for D" Layer Silent Earthquakes by the Matsushiro 100m Extensometer Records of JMA

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To detect silent earthquakes in the D" layer above CMB, extensometer records of Matsushiro Seismological Observatory are analysed. FFT spectral of the about 300 records of two day length with a mutual time lag of 1 day are computed for a period from March to December of 1998. Some of the quasi-Stoneley modes of 0S5(1190s)-0S10(579s), 1S14(336s)-1S15(316s), 2S4(725s)-2S6(595s), 2S14(345s)-2S18(260s) and 0T2(2637s)-0T5(1077s) are identified for 5/25-26, 7/25-26, 9/8-9 and 11/2-3, suggesting the occurrence of the earthquakes.