## Application of High Sampled Dynamic Strain Seismogram

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Dynamic strain variations caused by earthquake such as The 2003 Tokachi oki earthquake, The 2004 Off Kii-Peninsula Earthquakes, mid Niigata earthquakes, Sumatra earthquake and so forth in 2004 were observed by the strain meter array in the Tono Region, Gifu prefecture. This array consist of mainly borehole strain meter. Comparisons between dynamic strain seismograms with broadband velocity seismograms are carried out. As the result, it was clarified that the strain meter which is mainly used for geodetical observations has ultra broadband response, so that it can be used for the observations of seismology. Comparison between theoretically calculated strain seismograms, as demonstrated by OKADA(1980), with observations were also carried out. The synthetic waveforms has well agreement with observations. We suggest application of high sampled strain seismograms to analysis of not only geodetics but also seismology.