

## Continuous geo-monitoring of many earthquake-related components in the crust around the Tono Mine at Toki City in Gifu, Japan

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The Earthquake/Groundwater Research Team has continuously monitored many earthquake-related components (crustal strains, tilts, groundwater levels, pore pressures, Radon gas and some gas components) at some wells dug in the Toki Granite and/or the Toki Lignite-Bearing Formation in and around the Tono Mine.

In the observation, there are various phenomena before earthquake, in earthquake and after earthquake. Their data have been recorded. To elucidate such earthquake-related phenomena, we are basing the understanding of several observational phenomena on some information such as the differences in earthquake-related changes among wells and/or among some components.