



Abstract Details

[AOGS 1st Annual Meeting](#) > [Interdisciplinary Working Groups](#) > **MULTI-FRACTAL ANALYSIS OF GEOMAGNETIC ULF DATA FOR THE IZU ISLANDS EARTHQUAKE SWARM IN JULY 2000** >

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Title: MULTI-FRACTAL ANALYSIS OF GEOMAGNETIC ULF DATA FOR THE IZU ISLANDS EARTHQUAKE SWARM IN JULY 2000

Abstract:

Gotoh et al. (2003) have found that there was observed a significant change in the Fractal (monofractal) dimension just before the Izu islands earthquake swarm in July 2000. This paper is our further extension where we investigate the multi-fractal analysis for the same ULF data for the Izu islands earthquake swarm. Significant changes are definitely found for the multi-fractal parameters and we will show which parameter is most sensitive and indicative of the multi-fractal nature before the Izu islands earthquake swarm.

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