

Barometer system to search for the origin of Earth's background free oscillations

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In an attempt to search for origins of Earth's background free oscillations and to detect possible background atmospheric free oscillations, we started an array observation of air pressure variation. We use the resonant quartz crystal barometer of Paroscientific, Inc, but the recorder is designed by ourselves to achieve high resolution in a frequency range of Earth's free oscillations. We report the design and performance of this observation system.