## A variety of Infrasound signals excited by meteor

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The infrasound observation system has been installed in Isumi, Chiba-prefecture (approximately 60 km SE of Tokyo) as a component of the International Monitoring System for the verification regime of the Comprehensive Nuclear-Test-Ban Treaty (CTBT). It is an array observation site and is comprised of 6-element centered pentagon array with an aperture of about 2km. It had been deployed on November 2004.

Infrasound observation system sometimes detected signal generated by meteor. For instance, infrasound signal by a meteor over Kanto region on January 2013 was detected at Isumi. Isumi microbarographs recorded impulse wave due to shock wave. This result was reported at JpGU2013. By increasing detected infrasound cases by meteor, we want to extract the characteristics if the infrasound signal generated by meteor. For purposes of the CTBT, since the signal by meteor is noise, signals by meteor can be distinguished from infrasound waveform data would also contribute to the CTBT's verification regime.

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