

## Infrasound signals in Cocos Islands (I06AU) associated with eruption or volcanic body collapse of the Anak Krakatau Volcano or tsunami

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Severe tsunami occurred on December 22, 2018, and it was clarified by SAR analysis of GSI (Geospatial Information Authority of Japan) or visual observation by PVMBG (Pusat Vulkanologi dan Mitigasi Bencana Geologi, Indonesia) that southwest area of The Anak Krakatau collapsed. The infrasound array of the Cocos Islands (CTBTO IMS Infrasound Network: I06AU) locate about 1160 km southwest of The Anak Krakatau Volcano. Travel time of infrasound waves is estimated approximately 58 minutes. I06AU started to detect infrasound signals which came from the direction of The Anak Krakatau Volcano and recorded some remarkable infrasound wave-trains at 15:01:20-15:02:00UTC.

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