

## **and location of infrasound events close to Latin America and the Caribbean using nearby IMS stations and I69CR portable infrasound station and local infrasound arrays in Costa Rica**

Recent developments of portable infrasound arrays I69CR and IVTCR. It has been possible to locate some infrasound events near the Latin American and Caribbean area. On April 23, 2019, at 21:07:22 (local time), infrasound stations in Costa Rica detected and located Aguas Zarcas meteorite, that fall in the territory of Costa Rica, this event was possible to detect by infrasound stations I69CR, IVTCR, I20EC. On June 22, 2019 at 21:25 UTC was a bright fireball over the Caribbean near south of Puerto Rico. This event was detected by station I69CR at 23:06 UTC and was detected by I51GB and I20EC stations. This event is the fourth time an asteroid is seen before it enters the atmosphere. This asteroid was named as 2019 MO.

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