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## the infrasound bulletin for IS08

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The IS08 infrasound array in Bolivia contributes to the International Monitoring System of the Comprehensive nuclear-Test-Ban Treaty Organization since 1999. Real time data, which are received at the Bolivian National Data Center (Observatorio San Calixto, OSC) through a VSAT link, are used on a daily basis for scientific and civil applications. Installed in the Central Andes, IS08 has provided valuable high quality data to the CTBTO community. In 2019, staff from the Bolivian NDC attended a basic training in Costa Rica that provided complementary knowledge in infrasound data processing. Since then, thanks to the support of the French NDC and CTBTO, the OSC staff has achieved a major step by setting up the operational chain of processing for real-time infrasound data acquisition, detection and analysis. DTK-GPMCC and DTK-DIVA are used to produce local and regional infrasound bulletins. We are now able to present our first local IS08 bulletin from 2014 to 2020, which includes a wide variety of infrasound sources observed at different seasons such as microbaroms, volcanic explosions, earthquakes (M>7) and meteors. Further improvements to our daily routine analysis to enhance our local bulletin will include the comparison with Late Event Bulletin (LEB) from CTBTO.

## **Promotional text**

Understanding the local infrasound sources is a challenging task, however we decided to start with local characterization of the most frequently sources observed at IS08 (microbaroms, earthquakes, volcano explosions).

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