

# of Year-Round Infrasonnd Observations at the Vernadsky Station, Antarctica

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In February 2021, the Ukrainian small aperture infrasonnd array began recording in the Antarctic Peninsula area. This is a good step towards ensuring the implementation of the CTBT with national resources. However, only at the beginning of 2022 was it possible to organize continuous transmission of satellite data in real time. This made it possible to quickly track both regional events that took place in the area of the Vernadsky station and global ones, such as the eruption of the Hunga volcano, Tonga. The infrasonnd station has become an excellent addition to the set of multi-profile geophysical equipment available at the Vernadsky Antarctic station, expanding the range of use of the entire complex. It should be noted that the planned installation of the International Monitoring System infrasonnd array near the Antarctic Peninsula (Palmer station) has not yet taken place. Therefore, the data for a year of observations of the infrasonnd array at Vernadsky station can also be useful for understanding the conditions for registering infrasonnd in the region.

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## Promotional text

Infrasonnd technologies, which are developing at the national level, are an important part of the provisions of the CTBTO Treaty. By developing the national network, Ukraine contributes to the improvement of monitoring.

## Oral preference format

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