

of the Tunisian NDC in the Field of Infrasound Detection and Calibration

The Infrasound Station IS48, in Kesra, Tunisia is part of the verification regime for the Comprehensive Nuclear-Test-Ban Treaty. IS48 was installed in 2006 and is managed and maintained by the Tunisian NDC. Since 2006, the NDC-TN staff has gained and acquired a good experience in the operations and activities related to the station. In addition to that, the good location of IS48 in the middle of the Mediterranean Sea allows to have various and interesting detections.

In this poster we will show two independent aspects: the aspect related to the station and the one related to the data analysis and the results obtained.

For the first aspect we will present some activities related to the maintenance of the station IS48 done by the technical staff of the NDC-TN such as the WNRS pressure test and the in-situ calibration.

The second aspect related to the results obtained from the data analysis will present the detections of IS48 (Explosions, Italian Volcanoes activities, Oceans swell ...) and show how the performance of the station is influenced by the seasonal wind direction.

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