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Type: **Poster**

Detection Capability Improvement on Noise Reduction System

Argentina is a Member State of the Comprehensive Nuclear-Test Ban Treaty Organization (CTBTO) and as such has stations that form part of the International Monitoring System (IMS) network, part of which consists of Infrasound Stations. As part of corrective maintenance measures, two agents/operators from the Nuclear Regulatory Authority (ARN) performed tests on the noise reduction system on one array of the IS02 Infrasound Station. A week of testing the array, implementing various resources, including apparently ridiculous ones such as checker game parts, bath-mat fragments and silver tape, concluded in identifying the leakages and amending them, including some improvised techniques that enhanced and improved the performance of the noise reduction system on the H5 array. This improvement was reached as a product of knowing and understanding how the station is set up and works.

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