

Exploiting Recent Plentiful Detections at H03 and H11

Throughout November 2016, and in January 2017, the IMS H03 (Juan Fernandez, Chile) hydroacoustic station detected prolonged series of short-duration high-frequency signals at an approximate 1 minute interval, consistent with an off-coast ship-based survey. The signals could also be observed, at much attenuated level, at the H11 (Wake Island, US) station. The quantity of signals and their SNR at H03 are exceptional. The SNR at H11 was high enough to record many events at both H03 and H11. This allows for various venues of analysis and means of verifying station performance not normally available. We will present these analyses and explore apparent artifacts (temporally correlated detections at very different azimuth ranges and azimuth quantization) and their causation.

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