ID: Type: **Oral**

hydroacoustic data associated with earthquakes in Chile and Ecuador

The South American continental shelf and territory is covered by 16 (primary and auxiliary) IMS seismic stations and 1hydroacoustic station. The data from both the hydroacoustic station and seismic stations were used to analyse the two events that occurred in Chile on September 16, 2015 and Ecuador on 16 April, 2016 to assess the efficiency of these stations. This research effort is devoted to using Geotool software to gain experience from the synergy between hydroacoustic and seismic observations. In this paper, the result obtained by using correlation, spectrum and energy analysis to study the seismic waves produced by ground motion and associated hydroacoustic data is presented.

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Track Classification: Signal processing techniques for hydroacoustic event detection and evaluation