

Infrasound Detection of Earthquakes in Chile

On March 23, 2015 and September 16, 2015 two major earthquakes occurred in Chile that is within the South America continental shelf and territory. This territory is covered by six IMS infrasound stations (IS02AR, IS08BO, IS09BR, IS13CL, IS14CL and IS41PA). Using these infrasound stations coupled by seismic stations the two events were analysed to test the operational readiness of the IMS stations. Some of the infrasound stations recorded data that were used to locate the two events while some did not. The probable causes of insufficient data and the results obtained from the analysis are presented in this study.

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