

2.3-P15. Observation of a series of marine explosions through Seismic, Hydro and Infrasound technologies

Reviewed IDC bulletin (International Data Centre / CTBTO) shows a seismic event on 2012, June 17 near Petropavlosk (Kamchatka, Russia). This event is composed of a series of six events occurring on a 20-minute period. These events associate data observed on IMS stations : infrasound on IS44, seismic on PS36, and hydroacoustic on HA11-Wake hydrophones. Our poster details analyses of this series of events : azimuths and arrival times are measured and interpreted, and a new location is performed and compared to IDC-REB location. A cepstral analysis of hydroacoustic phases demonstrates that these events are due to marine explosions. Fine labeling of cepstral peaks combined to charts available in literature allow us to estimate both yield and depth of the explosions.

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Track Classification: 2. Events and their characterization