

-Acoustic Analysis of California Earthquake

California a State in the United States of America is covered locally and regionally by the CTBTO IMS network of infrasound and seismic (primary and auxiliary) stations. An earthquake occurred in Coso Junction outside of Ridgecrest on July 6, 2019 (3:19 GMT). The location of event was estimated with seismic and infrasound (I57US) data obtained from local and regional IMS stations that recorded the event. These analyses were done to test the operational readiness of these IMS stations. Results were obtained from the analyses for phase, magnitude, arrival time, azimuth and slowness. The Spectrogram for the stations shows wave energy covering a broad frequency range (0.5-10.0 Hz). At local and regional distances these seismic and infrasound stations were observed to be consistent with the known back azimuth of the event, thus are operational ready by contributing data to the IMS network in a timely manner.

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