

3.1-P17. Network monitoring seismic and volcanic OVSICORI-UNA COSTA

The Volcanological and Seismological Observatory of Costa Rica, National University (OVSICORI-UNA) is a University Research Institute dedicated to research of volcanoes, earthquakes and other tectonic processes. Network monitoring seismic and volcanic OVSICORI-UNA The seismic and volcanic network consists of instruments period short Ranger (SS-1), broadband (BA) Type: Güralp (CMG-6TD), Streckeisen (STS2), Nanometrics (Trillium 240 and compact Trillium), accelerometers SMA and FBA. The data are transmitted in real time from different sites. At present, there is renewed the analogue network by a digital broadband in more than 90%, which consist of about 70 stations that have national coverage. This broadband network consist of strong motion and weak motion (seismometer) and low frequency offset using GPS. In the Data Center of OVSICORI-UNA the EARTHWORM software (free software) and ANTELOPE software and SEISCOMP software to acquire, manage and process seismic signals is used. Our Data Center has been expanded with a contribution of CTBTO / Vienna with a National Data Centre installed in September 2010, to acquire seismic data from stations in the region and the globe. In August 2014, we are cooperating with about 35 seismic broadband stations in real time with IRIS - Incorporated Research Institutions for Seismology

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