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Permanent GPS observation in Tenerife Island for volcano monitoring. Results obtained from May 2004 to present

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Considering the anomalous seismic activity existing in Tenerife island from April 2004, and simultaneously to the use of other monitoring techniques, a permanent GPS network composed by 7 stations has been set up, covering the NW volcanic rift of the island and around the Teide volcano. This network has been installed by ITER, Institute of Astronomy and Geodesy (CSIC-UCM), and in collaboration with the Nagoya University, Japan. The processing of the data performed using Bernese 4.2. We present the stations equipment, distribution and the results obtained with the data recorded from May 29th to present. They are discussed in relation with the on-going activity in the island.