



## **Location of explosive signal at Colima Volcano using seismic antennas and Broad Band Stations**

**J. M. Ibá**

(1) Instituto Andaluz de Geofísica. Universidad de Granada, Spain. (2) Observatorio Volcanológico, Universidad de Colima, Mexico. (3) Osservatorio Vesuviano, INGV, Italy.

In order to better constrain the explosive activity in the Volcán de Fuego de Colima, a seismic antenna, and four broad band stations have been deployed around the edifice. The experiment has duration of six months and the objective is to record seismic signals associated to explosive episodes of the volcano. The seismic antenna was deployed at around 5 km far from the summit area, and it is composed by a three component sensors and nine vertical seismometers. The maximum aperture