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## A comparison between lightning data from the LIS sensor and the ground detection network over the Canary Island

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The first six months of measurement of the lightning detection network deployed in the Canary Island (June to December 2005) are considered. Cloud-to-ground lightning data over the Canary Island area (27°N-29°N and 13°W-°19°W) are compared to the lightning data obtained from the LIS (lightning Image Sensor) on board of the TRMM satellite. Numbers are different because the LIS measures total (intracloud and cloud-to-ground) lightning. The patterns of the flash density spatial distribution are similar, although the area with maximum lightning activity seen in the LIS data is displaced to the east with respect to that obtained with the ground detection network. It is also seen on a 49-day basis (to avoid the diurnal bias in the LIDS data) that the time changes in lightning data measured by the LIS and the ground detection network are in agreement.