



A tornado in Basque Country?: the 23 june 2014 case.

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Tornado cases in Iberian Peninsula, and particularly in Mediterranean area (Catalonia, Balearic Islands, and Andalusia) are not unusual, on the other hand in Cantabric area (north of Iberian Peninsula) are very unusual, in Basque Country none well documented and confirmed case exist. In this work a discussion about the possibility of a tornado occurrence in Basque country (Izki area) are presented.

During afternoon of 23 june 2014, different severe storms affect southern part of Basque Country, with heavy rain, hail and wind gust. The storm effects confirmed by damage analyses, was also detected by the Euskalmet C-band Doppler Radar sited near the area, in Kapildui mountain. Particularly in Izki area hundreds of trees are removed in a narrow area compatible con a tornado path. This study includes different aspects from storm activity, rotation and wind field and analyzed if it is compatible with tornadogenesis.