



Lightning in NE Italy and their weekly cycle

Agostino (Tino) Manzato, Andrea Cicogna, and Arturo Pucillo

ARPA Friuli Venezia Giulia, OSMER, Visco, Italy (agostino.manzato@osmer.fvg.it)

The climatology of lightning in north-eastern Italy is presented, together with the climatology of some instability indices derived from the Udine radiosoundings and from ECMWF-derived pseudo-soundings.

Analogies between lightning and instability trends are analyzed. In particular it is found that potential instability and mean-domain lightning density show similar weekly cycles. Test are done to assess if that variability is anthropogenic or natural.