

Table 1. Main characteristics of meteorological station:

Station name	Elevation m a.s.l	Location		Observation period Year
		Latitude (N)	Longitude (E)	
Bra	290	44° 04' 18"	7° 51' 09"	1933-2003
Vercelli	135	45° 19' 32"	8° 23' 26"	1927-2003
Lombriasco	241	44° 53' 14"	7° 41' 15"	1939-2003
Pallanza	211	45° 55' 36"	8° 32' 56"	1950-1991

Table 2. Results of the application of the Mann-Kendall test:

Station	time scale	Indice	Trend (unit/100 year)
Vercelli	1h	extreme intensity	+1.3
		extreme frequency	+4
		Spring	+1.5
Pallanza	30min	extreme intensity	+18
		extreme frequency	+24
		Spring	+1
Lombriasco	20 min	extreme intensity	+1.6
		extreme frequency	+11
		Spring	+1.3
	3h	extreme intensity	+2.12
		extreme frequency	+6
		Spring	+8.6
	6h	extreme intensity	+7.4
		extreme frequency	+2
		Spring	+14.8
Bra	1h	extreme intensity	-1.8
		extreme frequency	+12
		Spring	+4
	2h	extreme intensity	+4.27
		extreme frequency	+6
		Spring	+5.7
	3h	extreme intensity	+5.12
		extreme frequency	+5
		Spring	+8.3
	6h	extreme intensity	+9
		extreme frequency	+2
		Spring	+10
12h	extreme intensity	15.9	
	extreme frequency	0	
	Spring	14.1	

Bold numbers: signifance level grater than 95%
Unit = mm in case of Spring and extreme intensity index
Unit = event in case of extreme frequency index