

**TABELLA 1 - REGISTRAZIONI PIOGGE BREVI ED INTENSE (SCROSCI)**

STAZIONE PLUVIOMETRICA DI:	<b>VICENZA</b>
BACINO :	
QUOTA:	
FONTE DEI DATI:	<b>Uff. Idr. Mag. Acque VENEZIA</b>
DATI DISPONIBILI :	<b>Serie storica 1938-1972 e 1973-1990</b>

N.	INTERVALLO IN MINUTI			INTERVALLO IN MINUTI			INTERVALLO IN MINUTI		
	15			30			60		
	h(mm)	X <sup>2</sup> =(hi-M) <sup>2</sup>	Anno	h(mm)	X <sup>2</sup> =(hi-M) <sup>2</sup>	Anno	h(mm)	X <sup>2</sup> =(hi-M) <sup>2</sup>	Anno
1				15.3	78.45	1938	21.0	112.27	1938
2				15.0	83.85	1939	16.0	243.22	1939
3				23.0	1.34	1940	29.0	6.74	1940
4				29.1	24.43	1941	59.0	751.00	1941
5				30.0	34.14	1942	43.6	144.10	1942
6				23.4	0.57	1943	39.8	67.31	1943
7				45.0	434.42	1946	24.4	51.78	1946
8				27.0	8.08	1947	63.6	1024.28	1947
9				25.0	0.71	1948	30.8	0.63	1948
10				12.0	147.80	1949	33.0	1.97	1949
11				18.2	35.49	1950	16.6	224.87	1950
12				20.2	15.66	1951	21.0	112.27	1951
13				17.6	43.00	1952	27.4	17.60	1952
14	15.8	3.96	1953	22.8	1.84	1953	29.6	3.98	1953
15	20.0	4.88	1954	29.0	23.45	1954	27.8	14.41	1954
16	15.0	7.79	1955	25.0	0.71	1955	58.0	697.19	1955
17	12.0	33.53	1956	20.0	17.28	1956	29.8	3.22	1956
18	15.0	7.79	1957	19.0	26.60	1957	31.6	0.00	1957
19	11.5	39.58	1958	15.4	76.69	1958	23.0	73.89	1958
20	26.0	67.39	1959				22.0	92.08	1959
21	36.0	331.57	1960	36.0	140.25	1960	31.6	0.00	1960
22	18.0	0.04	1961				36.0	19.40	1961
23	10.0	60.70	1962				25.6	35.95	1962
24	17.8	0.00	1963				17.0	213.03	1963
25	18.2	0.17	1964	28.8	21.56	1964	31.0	0.35	1964
26	10.6	51.71	1965	11.8	152.70	1965	34.2	6.78	1965
27	14.4	11.50	1966	17.2	48.40	1966	20.4	125.34	1966
28	30.0	149.06	1967	50.0	667.85	1967	23.0	73.89	1967
29	25.4	57.90	1968	37.0	164.94	1968	80.0	2342.98	1968
30	11.2	43.44	1969	20.0	17.28	1969	51.0	376.53	1969
31	14.0	14.37	1970	20.8	11.27	1970	30.0	2.55	1970
32	21.6	14.51	1971	21.6	6.54	1971	22.2	88.28	1971
33	19.0	1.46	1972	29.2	25.43	1972	21.6	99.91	1972
34	17.6	0.04	1975	22.0	4.65	1975	30.6	0.99	1975
35	27.6	96.22	1976	35.6	130.94	1976	32.6	1.01	1976
36	14.6	10.18	1977	14.6	91.34	1977	37.2	31.41	1977
37	13.0	22.95	1978	22.0	4.65	1978	14.6	288.85	1978
38	16.6	1.42	1981	19.6	20.77	1981	29.0	6.74	1981
39	24.0	38.55	1982	31.4	52.46	1982	22.6	80.92	1982
40	15.8	3.96	1983	30.0	34.14	1983	32.0	0.16	1983
41	16.8	0.98	1984	24.2	0.00	1984	36.2	21.20	1984
42	27.0	84.81	1986	28.0	14.77	1986	29.4	4.82	1986
43	14.4	11.50	1987	19.2	24.57	1987	28.0	12.93	1987
44	14.0	14.37	1988	26.0	3.40	1988	26.0	31.31	1988
45	18.0	0.04	1989	28.6	19.74	1989	32.8	1.45	1989
46	6.2	134.35	1990	9.0	229.74	1990	31.8	0.04	1990
Anni			33			42			46

**TABELLA 2 - ELABORAZIONI STATISTICHE (METODO DI GUMBEL) PER PIOGGE BREVI E INTENSE - SCROSCI**

ORA	0.25	0.50	1.00
N	33	42	46
$\overline{XM} = \text{MEDIA}$	17.79	24.16	31.60
SOMMA $X^2$	1320.7	2941.9	7509.6
SSQM	6.42	8.47	12.92
Inserire da tabella $S_n$	1.1399	1.1597	1.1665
Inserire da tabella $Y_n$	0.5380	0.5448	0.5468
<i>alfa</i>	0.1774	0.1369	0.0903
<i>moda</i>	14.76	20.18	25.54

**TABELLA 3 - VALORI ESTREMI PER I PERIODO DI RITORNO CONSIDERATI (mm)**

TEMPI DI RITORNO	ORE		
(anni)	0.25	0.50	1.00
10 hmax (mm) =	27.44	36.62	50.46
20 hmax (mm) =	31.50	41.87	58.43
50 hmax (mm) =	36.75	48.68	68.75

**TABELLA 4 - VALORI DI  $a$  ED  $n$  AL VARIARE DI  $T_R$  PER PIOGGE BREVI E INTENSE (SCROSCI)**

TEMPI DI RITORNO	$a$ (mm ore <sup>-1</sup> )	$n$
10 anni	50.190	0.430
20 anni	57.960	0.440
50 anni	68.020	0.450

**Equazioni di possibilità pluviometrica per piogge brevi e intense a Vicenza**

