

TABELLA 1

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

N.	INTERVALLO DI ORE 1			INTERVALLO DI ORE 3			INTERVALLO DI ORE 6			INTERVALLO DI ORE 12			INTERVALLO DI ORE 24		
	h(mm)	X ² =(hi-M) ²	Anno	h(mm)	X ² =(hi-M) ²	Anno	h(mm)	X ² =(hi-M) ²	Anno	h(mm)	X ² =(hi-M) ²	Anno	h(mm)	X ² =(hi-M) ²	Anno
1	21.0	91.66	1938	24.4	201.96	1938	38.8	50.50	1938	39.4	244.05	1938	44.8	779.62	1938
2	16.0	212.40	1939	23.2	237.50	1939	32.0	193.40	1939	46.4	74.34	1939	51.5	450.36	1939
3	29.0	2.48	1940	36.4	4.89	1940	40.0	34.89	1940	55.6	0.33	1940	55.9	282.97	1940
4	43.6	169.68	1941	46.0	54.60	1941	59.0	171.44	1941	70.0	224.33	1941	70.0	7.41	1941
5	39.8	85.12	1942	42.4	14.36	1942	48.6	7.25	1942	48.6	41.24	1942	77.4	21.89	1942
6	24.4	38.12	1943	27.5	123.46	1943	40.0	34.89	1943	43.2	139.76	1943	58.6	199.42	1943
7	63.6	1090.72	1946	74.0	1252.37	1946	75.2	858.10	1946	89.0	1154.49	1946	94.8	487.45	1946
8	30.8	0.05	1947	38.0	0.37	1947	38.4	56.35	1947	42.0	169.58	1947	44.4	802.12	1947
9	33.0	5.89	1948	35.6	9.07	1948	36.8	82.93	1948	48.0	49.31	1948	66.4	39.96	1948
10	16.6	195.27	1949	37.6	1.02	1949	40.6	28.16	1949	43.0	144.53	1949	70.8	3.69	1949
11	21.0	91.66	1950	25.6	169.29	1950	39.0	47.70	1950	46.8	67.60	1950	55.6	293.15	1950
12	27.4	10.07	1951	35.0	13.04	1951	36.0	98.14	1951	48.0	49.31	1951	81.6	78.82	1951
13	29.6	0.95	1952	46.2	57.59	1952	57.6	136.73	1952	85.4	922.81	1952	95.8	532.61	1952
14	27.8	7.69	1953	36.0	6.82	1953	39.8	37.29	1953	45.2	96.48	1953	64.8	62.75	1953
15	58.0	752.19	1954	75.4	1353.42	1954	79.6	1135.24	1954	80.6	654.22	1954	80.6	62.07	1954
16	29.8	0.60	1955	31.0	57.93	1955	38.8	50.50	1955	50.4	21.36	1955	66.0	45.18	1955
17	31.6	1.05	1956	32.2	41.10	1956	32.2	187.87	1956	42.0	169.58	1956	74.2	2.19	1956
18	23.0	57.36	1957	27.0	134.82	1957	43.0	8.45	1957	45.6	88.78	1957	59.4	177.47	1957
19	22.0	73.51	1958	37.6	1.02	1958	39.4	42.34	1958	46.0	81.40	1958	56.0	279.62	1958
20	31.6	1.05	1959	39.0	0.15	1959	43.6	5.32	1959	64.6	91.73	1959	82.6	97.58	1959
21	36.0	29.44	1960	36.0	6.82	1960	46.4	0.24	1960	54.8	0.05	1960	63.8	79.60	1960
22	25.6	24.74	1961	27.4	125.69	1961	27.4	342.50	1961	36.6	339.38	1961	53.2	381.10	1961
23	17.0	184.25	1962	29.6	81.20	1962	47.0	1.20	1962	60.2	26.81	1962	62.8	98.44	1962
24	31.0	0.18	1963	38.0	0.37	1963	39.0	47.70	1963	51.2	14.61	1963	55.2	307.01	1963
25	34.2	13.15	1964	40.0	1.93	1964	50.4	20.19	1964	55.8	0.60	1964	79.4	44.60	1964
26	20.4	103.51	1965	31.8	46.39	1965	36.2	94.22	1965	47.2	61.19	1965	53.4	373.33	1965
27	23.0	57.36	1966	38.6	0.00	1966	38.6	53.39	1966	43.2	139.76	1966	78.8	36.95	1966
28	80.0	2442.94	1967	120.0	6624.15	1967	137.0	8298.00	1967	38.4	276.30	1967	143.8	5052.12	1967
29	51.0	417.23	1968	71.2	1062.04	1968	90.8	2015.41	1968	91.4	1323.34	1968	95.2	505.27	1968
30	30.0	0.33	1969	39.8	1.41	1969	46.2	0.09	1969	48.2	46.54	1969	60.0	161.84	1969
31	22.2	70.12	1970	26.6	144.27	1970	26.6	372.75	1970	36.6	339.38	1970	48.0	611.16	1970
32	21.6	80.53	1971	21.6	289.38	1971	30.6	234.29	1971	38.8	263.16	1971	56.0	279.62	1971
33	30.6	0.00	1972	35.4	10.31	1972	41.2	22.15	1972	44.2	117.12	1972	63.4	86.89	1972
34	32.6	4.11	1975	33.2	29.28	1975	33.2	161.46	1975	57.0	3.91	1975	81.0	68.53	1975
35	37.2	43.91	1976	42.0	11.48	1976	42.4	12.30	1976				60.0	161.84	1976
36	14.6	255.17	1977	23.8	219.37	1977	37.2	75.81	1977	41.2	191.05	1977	55.2	307.01	1977
37	29.0	2.48	1978	33.0	31.48	1978	35.8	102.14	1978	48.0	49.31	1978	73.4	0.46	1978
38	22.6	63.58	1981	25.0	185.26	1981	35.8	102.14	1981	71.4	268.23	1981	104.0	978.33	1981
39	32.0	2.03	1982	44.0	29.04	1982				71.4	268.23	1982	104.0	978.33	1982
40	36.2	31.65	1983	37.8	0.66	1983	39.0	47.70	1983	52.0	9.13	1983	98.0	638.99	1983
41	29.4	1.38	1984				52.6	44.80	1984	52.6	5.87	1984	55.6	293.15	1984
42	28.0	6.63	1986	30.2	70.75	1986	40.2	32.57	1986	63.0	63.64	1986	86.0	176.31	1986
43	26.0	20.92	1987	39.0	0.15	1987	64.8	356.96	1987	97.4	1795.88	1987	107.8	1230.48	1987
44	32.8	4.96	1988	33.8	23.15	1988	42.8	9.65	1988	76.8	474.27	1988	83.8	122.73	1988
45	31.8	1.50	1989	49.6	120.76	1989	55.0	82.69	1989	72.6	308.98	1989	102.6	892.71	1989
46	12.0	344.99	1990	20.0	346.37	1990	31.2	216.29	1990	46.2	77.83	1990	69.6	9.75	1990
Anni	46			45			45			45			46		

TABELLA 2 - ELABORAZIONI STATISTICHE - METODO DI GUMBEL

ORE	1	3	6	12	24
N	46	45	45	45	46
$XM = MEDIA$	30.57	38.61	45.91	55.02	72.72
SOMMA X^2	7094.6	13196.5	16014.1	10949.9	18582.9
SSQM	12.56	17.32	19.08	15.78	20.32
Inserire da tabella S_n	1.1665	1.1649	1.1649	1.1649	1.1665
Inserire da tabella Y_n	0.5468	0.5463	0.5463	0.5463	0.5468
<i>alfa</i>	0.0929	0.0673	0.0611	0.0738	0.0574
<i>moda</i>	24.69	30.49	36.96	47.62	63.20

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

TEMPI DI RITORNO		ORE				
(anni)		1	3	6	12	24
10	hmax (mm) =	48.91	63.94	73.81	78.10	102.40
20	hmax (mm) =	56.66	74.65	85.60	87.85	114.94
50	hmax (mm) =	66.69	88.50	100.86	100.46	131.17

TABELLA 4 - VALORI DI a ED n AL VARIARE DI TR PER EVENTI DI DURATA ORARIA

TEMPI DI RITORNO	a (mm ore ⁻¹)	n
10 anni	49.198	0.217
20 anni	57.585	0.205
50 anni	68.462	0.193

Equazioni di possibilità pluviometrica per piogge orarie a Vicenza

