



Consiglio Nazionale delle Ricerche

Istituto per lo Studio degli Ecosistemi

Verbania Pallanza

R E P O R T

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Annuario dell'Osservatorio Meteorologico di Pallanza 2012

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In copertina: vista del Lago Maggiore dal Mottarone (foto G. Tartari)

ABSTRACT

The meteorological data recorded at the Pallanza Observatory (C.N.R. – I.S.E.) during 2012 are presented. The data concern solar radiation, air temperature, relative humidity, precipitation, atmospheric pressure, speed and direction of the wind and evaporation. A limnological parameter is also presented: the level of Lake Maggiore.

INTRODUZIONE

Con l'Annuario 2011 prosegue la presentazione dei dati rilevati presso l'Osservatorio Meteorologico di Pallanza del C.N.R. - Istituto per lo Studio degli Ecosistemi (I.S.E.), già Istituto Italiano di Idrobiologia: scopo primario della raccolta di informazioni sullo stato fisico dell'atmosfera è di fornire un supporto alle indagini limnologiche che i ricercatori stanno conducendo sul Lago Maggiore e sul territorio limitrofo. Le lunghe serie di dati meteorologici disponibili costituiscono infatti elementi basilari per la valutazione dei più importanti processi fisici riguardanti l'ecosistema lacustre quali gli scambi energetici e di massa tra l'atmosfera e il corpo idrico, il riscaldamento della colonna d'acqua e i meccanismi idrodinamici: tutto ciò anche alla luce delle provate interconnessioni tra gli aspetti fisici e la complessa fenomenologia riguardante i comparti chimico e biologico.

Gli Annuari dell'Osservatorio, con la presentazione dei dati medi ed estremi giornalieri relativi ai principali elementi del clima, sono stati pubblicati a iniziare dal 1967 (si veda l'elenco in bibliografia) e sono stati preceduti da una pubblicazione di sintesi relativa agli anni 1951-1966 (Barbanti, 1967).

Oltre a costituire un indispensabile supporto alle ricerche, l'insieme di questi dati rappresenta una preziosa fonte di informazioni storiche anche per amministratori e tecnici di enti pubblici e privati, che operano sul territorio e che si occupano della sua gestione.

L'Annuario riporta quanto rilevato nell'anno meteorologico 2012 (1° dicembre 2011 - 30 novembre 2012), con la stagione invernale che comprende i mesi di dicembre, gennaio e febbraio, la primavera con marzo, aprile e maggio, l'estate con giugno, luglio e agosto e, infine, l'autunno con settembre, ottobre e novembre.

Conformemente allo schema adottato nei precedenti Annuari, i valori giornalieri (totali, medi od estremi) di tutti i parametri meteorologici registrati nel 2012 sono raccolti in tabelle nelle quali, oltre ai dati decadici e mensili, sono evidenziati anche i corrispondenti valori riscontrati nella serie storica degli anni pregressi. I dati in grassetto rappresentano i valori estremi del mese.

Coordinate geografiche della Stazione Meteorologica

- latitudine 45° 55' 25" N
- longitudine da Monte Mario 3° 54' 18" W
- longitudine da Greenwich 8° 32' 50" E

Attuale dotazione strumentale e siti di rilevamento

- Radiazione solare: solarimetro HE 20/K di costruzione CAE, collocato sulla torretta dell'edificio, il cui piano si trova a 224 m s.l.m.;
- temperatura atmosferica: termo-igrometro TU20AS, di costruzione CAE, il cui elemento sensibile alla temperatura è costituito da un PT1001/3 DIN. Lo strumento opera a un'altezza di 2,00 m sul prato del giardino retrostante l'edificio, la cui quota è 210 m s.l.m.;
- umidità atmosferica: il sensore dell'umidità del termo-igrometro TU20AS è costituito da un film sottile a capacità variabile che la esprime in termini relativi, (percentuale di saturazione);
- precipitazioni: il pluviometro modello PMB 2 della CAE è posto nello stesso sito della temperatura atmosferica;
- pressione atmosferica: il sensore barometrico BA 20 della CAE opera a una quota di 217 m s.l.m. nel locale della centralina della stazione,
- vento: il gonio-anemometro a banderuola DV 200 e il taco-anemometro a coppe DD 200, entrambi di costruzione CAE, sono posti sulla torretta a una quota altimetrica di 217 m s.l.m.;
- evaporazione: l'evaporigrafo EV 63 di costruzione SIAP opera sulla torretta;
- livello del Lago Maggiore: il profondimetro PLM 20, di costruzione CAE, è ubicato nella darsena antistante l'edificio dell'I.S.E.; lo zero idrometrico è il livello medio del mare.

TABELLE

Tab. I. Totali giornalieri, decadici e mensili della radiazione globale (cal cm⁻²).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	146.6	121.7	<u>45.0</u>	342.7	413.8	<u>77.2</u>	570.4	403.2	549.0	299.6	299.1	182.3
2	77.5	<u>6.5</u>	77.0	350.4	202.5	365.3	607.7	353.0	511.3	478.3	386.7	218.7
3	84.0	159.7	153.9	343.3	74.9	587.2	<u>61.3</u>	585.8	539.2	131.9	171.7	51.1
4	145.6	116.3	237.3	116.7	<u>34.9</u>	469.6	556.9	441.4	459.3	169.3	141.3	43.2
5	165.6	131.2	239.7	26.8	137.7	161.8	721.0	617.8	328.0	413.8	264.5	176.0
6	214.4	175.2	257.7	155.4	390.6	379.4	272.6	<u>278.8</u>	297.3	504.4	320.2	248.3
7	196.7	159.9	155.6	368.0	322.1	576.0	116.0	603.6	639.6	476.3	322.2	244.3
8	165.6	186.7	222.3	378.8	598.6	265.9	124.2	536.3	611.6	473.5	192.5	179.4
9	60.2	179.5	239.5	327.5	476.3	577.8	403.3	505.0	525.0	492.7	331.5	210.7
10	150.8	183.8	227.8	416.6	77.9	629.2	317.3	427.2	597.6	482.2	100.2	10.6
<i>1° Dec</i>	<i>1407.0</i>	<i>1420.5</i>	<i>1855.7</i>	<i>2826.1</i>	<i>2729.3</i>	<i>4089.5</i>	<i>3750.9</i>	<i>4752.1</i>	<i>5057.9</i>	<i>3922.0</i>	<i>2529.9</i>	<i>1564.5</i>
11	54.1	175.8	154.0	346.5	112.5	624.9	465.3	556.5	599.3	411.2	74.6	19.1
12	19.8	175.4	231.0	205.0	481.2	387.1	330.5	684.9	487.5	174.2	177.6	213.8
13	135.7	181.8	163.2	413.6	283.2	149.8	574.2	432.4	485.6	459.3	88.5	208.3
14	39.9	190.7	248.4	403.6	233.9	690.6	504.8	410.5	508.8	512.9	73.8	204.4
15	77.8	183.1	304.2	419.6	139.8	557.1	679.7	623.6	487.9	480.9	<u>24.7</u>	153.9
16	<u>19.5</u>	175.1	302.6	360.1	344.8	728.6	671.4	696.7	473.4	406.0	332.2	179.8
17	167.4	173.8	451.6	154.0	574.3	714.1	676.4	677.5	549.2	420.5	48.6	96.6
18	114.4	118.7	230.9	<u>7.4</u>	52.8	472.2	542.9	666.5	554.2	342.3	200.0	175.1
19	148.9	127.8	159.3	200.8	105.4	306.6	512.2	539.2	530.6	248.1	210.6	148.5
20	85.5	108.7	294.8	471.8	512.0	79.8	394.8	583.8	436.7	463.5	272.1	195.3
<i>2° Dec</i>	<i>863.0</i>	<i>1610.9</i>	<i>2539.9</i>	<i>2982.4</i>	<i>2839.8</i>	<i>4710.8</i>	<i>5352.3</i>	<i>5871.6</i>	<i>5113.2</i>	<i>3919.0</i>	<i>1502.6</i>	<i>1594.6</i>
21	95.9	177.2	395.4	451.8	445.6	128.4	512.1	414.9	433.6	206.0	288.4	167.1
22	151.9	153.7	336.4	441.6	537.9	638.8	692.2	638.8	451.2	350.3	275.3	53.0
23	151.2	159.7	104.5	425.0	323.0	504.9	499.1	579.3	471.0	67.6	283.7	141.4
24	143.9	224.9	336.9	437.4	476.3	664.2	491.1	642.6	378.5	104.8	255.7	149.4
25	168.1	212.9	341.4	382.1	337.3	624.5	623.3	627.5	278.2	59.3	234.3	152.9
26	154.3	208.8	366.3	482.9	264.6	397.5	476.7	630.5	594.3	78.2	26.5	3.3
27	158.8	173.9	374.0	472.7	587.7	361.6	656.9	459.4	579.1	264.2	141.2	0.1
28	161.7	29.9	279.1	486.1	546.5	620.4	577.5	378.7	426.9	381.1	65.0	<u>0.0</u>
29	114.1	40.1	255.9	512.2	120.5	669.2	571.1	596.7	473.5	<u>38.1</u>	284.4	76.7
30	107.0	106.6		523.7	137.4	687.3	603.9	546.2	<u>96.0</u>	291.6	248.3	74.4
31	146.8	97.3		528.0		545.4		537.5	326.0		34.0	
<i>3° Dec</i>	<i>1553.8</i>	<i>1585.0</i>	<i>2789.9</i>	<i>5143.4</i>	<i>3776.8</i>	<i>5842.2</i>	<i>5703.8</i>	<i>6052.1</i>	<i>4508.2</i>	<i>1841.2</i>	<i>2136.8</i>	<i>818.3</i>
2012	3823.8	4616.4	7185.5	10951.9	9345.8	14642.5	14807.0	16675.7	14679.3	9682.2	6169.2	3977.4
1951-2011	3091.0	3712.0	5241.5	8640.0	10814.9	13145.5	14420.3	15350.3	13010.4	9186.7	6068.1	3611.1
min	19.5	6.5	45.0	7.4	34.9	77.2	61.3	278.8	96.0	38.1	24.7	0.0
giorno	16	2	1	18	4	1	3	6	30	29	15	28
Max	214.4	224.9	451.6	528.0	598.6	728.6	721.0	696.7	639.6	512.9	386.7	248.3
giorno	6	24	17	31	8	16	5	16	7	14	2	6

Tab. II. Temperature medie giornaliere dell'atmosfera e loro medie decadiche e mensili (°C).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	4.69	2.63	-1.33	11.10	14.29	12.28	22.66	27.49	26.54	16.58	18.13	9.94
2	7.77	4.14	-1.21	12.51	12.37	14.04	22.29	23.59	27.27	19.60	18.13	12.16
3	7.89	4.15	-2.34	11.48	11.23	16.48	19.61	25.13	27.08	18.83	17.04	12.15
4	6.88	4.32	-3.18	10.42	9.99	15.78	19.89	23.81	25.31	19.66	17.05	11.11
5	9.09	5.13	<u>-3.46</u>	6.36	11.18	12.73	21.05	24.44	22.47	21.35	16.46	10.89
6	6.74	7.77	-3.46	<u>5.05</u>	13.26	12.71	19.66	<u>20.56</u>	22.38	22.31	18.13	9.77
7	7.37	4.12	-1.68	7.38	13.40	15.85	18.72	23.18	24.02	22.76	18.85	8.15
8	8.48	8.15	0.78	9.29	11.63	14.94	18.70	24.10	25.03	22.74	17.13	7.45
9	5.85	4.55	0.24	9.14	9.43	18.21	19.62	24.49	25.47	22.73	17.71	8.97
10	5.98	5.27	-0.83	8.02	8.65	20.50	17.83	23.30	25.79	22.47	16.05	8.47
<i>1° Dec</i>	<i>7.07</i>	<i>5.02</i>	<i>-1.65</i>	<i>9.08</i>	<i>11.54</i>	<i>15.35</i>	<i>20.00</i>	<i>24.01</i>	<i>25.14</i>	<i>20.90</i>	<i>17.47</i>	<i>9.91</i>
11	5.41	3.85	-1.93	8.79	<u>5.92</u>	22.63	18.87	23.47	25.38	22.63	14.55	8.53
12	5.81	2.49	-2.00	12.04	10.86	22.40	<u>16.00</u>	24.64	24.90	19.69	15.58	11.10
13	4.30	3.37	-1.26	12.13	10.37	15.37	19.34	24.05	24.34	18.92	12.78	10.07
14	5.20	2.38	0.73	11.25	10.81	14.89	19.33	23.11	25.64	18.40	13.75	11.42
15	4.52	1.07	4.84	12.68	9.29	16.65	22.12	24.39	25.84	19.07	10.03	10.16
16	4.57	0.34	5.63	12.27	11.17	15.35	23.58	23.64	25.76	20.41	11.67	8.80
17	5.62	<u>-0.58</u>	6.31	11.53	13.05	15.53	25.35	23.80	27.23	19.47	11.26	5.48
18	2.24	-0.20	4.83	9.02	7.66	15.84	25.89	25.38	28.15	20.18	12.96	<u>5.33</u>
19	2.13	1.24	7.52	7.74	7.64	14.97	25.57	25.01	28.79	19.94	12.92	7.48
20	<u>0.76</u>	5.06	3.48	10.73	10.63	13.19	24.44	24.59	28.64	17.62	13.60	7.54
<i>2° Dec</i>	<i>4.05</i>	<i>1.90</i>	<i>2.81</i>	<i>10.82</i>	<i>9.74</i>	<i>16.68</i>	<i>22.05</i>	<i>24.21</i>	<i>26.47</i>	<i>19.63</i>	<i>12.91</i>	<i>8.59</i>
21	4.38	5.90	5.84	13.51	11.70	<u>11.67</u>	24.80	23.23	28.63	16.96	14.26	7.50
22	3.12	5.43	4.72	13.32	13.69	16.49	25.90	22.50	28.86	18.05	15.29	8.71
23	2.30	4.63	4.64	13.60	9.91	19.26	24.35	21.50	25.87	16.84	15.21	9.52
24	5.05	6.47	9.59	13.76	9.87	23.09	24.77	24.68	25.67	16.38	14.07	8.91
25	3.76	3.03	11.48	13.61	12.04	22.60	26.53	26.45	23.48	<u>15.42</u>	13.18	8.84
26	2.79	2.13	11.39	14.98	12.81	20.64	25.70	26.59	23.40	18.47	12.34	8.89
27	2.99	2.50	8.85	15.08	17.59	19.67	25.90	26.63	21.84	19.05	12.18	7.46
28	3.15	2.28	6.55	15.80	20.13	20.16	26.79	24.01	21.98	17.29	7.10	7.16
29	2.58	1.59	8.90	16.94	15.03	22.75	27.55	25.30	23.77	15.57	8.47	7.96
30	4.08	2.06		18.09	13.05	22.32	27.85	25.72	<u>19.72</u>	17.91	<u>6.21</u>	7.60
31	2.94	0.02		17.32		22.34		25.36	19.75		7.36	
<i>3° Dec</i>	<i>3.38</i>	<i>3.28</i>	<i>7.99</i>	<i>15.09</i>	<i>13.58</i>	<i>20.09</i>	<i>26.01</i>	<i>24.72</i>	<i>23.91</i>	<i>17.19</i>	<i>11.42</i>	<i>8.26</i>
2012	4.83	3.40	3.05	11.66	11.62	17.38	22.69	24.31	25.17	19.24	13.93	8.92
1951-2011	3.69	2.81	4.48	8.23	11.88	16.13	19.99	22.61	21.93	18.12	12.95	7.30
min	0.76	-0.58	-3.46	5.05	5.92	11.67	16.00	20.56	19.72	15.42	6.21	5.33
giorno	20	17	5	6	11	21	12	6	30	25	30	18
Max	9.09	8.15	11.48	18.09	20.13	23.09	27.85	27.49	28.86	22.76	18.85	12.16
giorno	5	8	25	30	28	24	30	1	22	7	7	2

Tab. III. Temperature minime giornaliere dell'atmosfera e loro medie decadiche e mensili (°C).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	1.2	-0.6	-2.4	4.1	8.1	10.9	16.8	22.6	20.1	13.8	14.7	6.8
2	3.8	3.6	-2.2	5.1	10.8	9.9	16.7	19.5	22.3	14.2	13.0	9.9
3	4.6	0.4	-4.5	5.3	9.6	8.7	16.7	19.2	20.5	15.7	14.2	11.0
4	3.8	-0.3	<u>-7.5</u>	8.2	9.3	10.7	15.5	19.7	19.0	17.4	13.6	10.5
5	6.7	0.6	-6.6	2.8	9.5	10.1	12.8	17.8	18.9	16.2	11.9	6.5
6	2.1	4.2	-6.9	3.2	8.3	9.9	15.5	17.9	18.5	15.2	13.3	4.4
7	3.0	0.0	-6.1	1.7	8.3	8.0	17.6	17.6	16.3	16.5	14.9	3.9
8	3.6	2.6	-3.2	4.5	5.8	12.2	17.1	19.6	16.9	17.1	12.9	2.8
9	2.4	1.3	-4.0	4.4	3.5	11.9	17.0	18.9	18.7	16.6	14.1	3.5
10	2.5	1.1	-4.0	<u>1.4</u>	5.8	12.6	15.0	18.2	21.4	15.8	12.8	7.0
<i>1° Dec</i>	<i>3.37</i>	<i>1.29</i>	<i>-4.74</i>	<i>4.07</i>	<i>7.90</i>	<i>10.49</i>	<i>16.07</i>	<i>19.10</i>	<i>19.26</i>	<i>15.85</i>	<i>13.54</i>	<i>6.63</i>
11	1.5	0.6	-4.1	2.7	3.6	15.0	14.8	17.2	19.5	16.8	11.0	7.3
12	2.3	-0.8	-4.6	6.7	<u>2.2</u>	16.8	12.9	17.6	21.5	16.0	11.4	7.5
13	1.3	-0.9	-5.4	5.2	7.2	10.7	<u>11.0</u>	20.8	20.3	14.2	9.5	6.2
14	1.9	-1.4	-2.4	4.3	8.5	8.1	13.1	20.0	21.5	11.7	11.4	7.0
15	0.8	-2.6	-3.2	4.7	7.8	10.1	16.1	17.8	20.1	10.9	7.3	7.2
16	3.0	-3.3	0.8	6.2	7.4	9.7	16.3	17.7	21.8	15.7	5.7	3.8
17	1.2	<u>-3.4</u>	0.1	8.1	5.5	<u>6.8</u>	18.3	15.3	22.0	13.8	7.9	3.0
18	-0.4	-3.0	-0.5	6.5	4.3	10.6	20.8	17.8	21.3	13.9	10.1	<u>2.2</u>
19	-1.3	-1.8	4.3	6.1	3.8	9.4	18.5	19.1	23.1	16.0	9.5	3.7
20	<u>-1.9</u>	-0.6	1.6	4.9	5.5	11.4	20.0	18.7	22.7	<u>10.7</u>	8.5	3.3
<i>2° Dec</i>	<i>0.84</i>	<i>-1.72</i>	<i>-1.34</i>	<i>5.54</i>	<i>5.58</i>	<i>10.86</i>	<i>16.18</i>	<i>18.20</i>	<i>21.38</i>	<i>13.97</i>	<i>9.23</i>	<i>5.12</i>
21	-0.4	2.3	-0.1	8.5	4.0	10.0	19.1	18.2	23.0	14.8	9.4	3.8
22	-0.4	1.8	-1.4	6.7	9.3	10.5	17.5	15.6	21.7	13.5	10.5	6.1
23	-1.0	0.7	-0.3	7.5	7.5	12.5	21.3	<u>13.8</u>	20.8	13.4	10.0	7.4
24	-0.7	-0.2	2.8	6.8	4.3	15.4	20.4	16.5	20.9	13.4	9.7	4.7
25	0.3	-0.5	4.6	7.9	5.6	16.2	19.5	19.3	17.0	12.1	9.1	4.6
26	-0.8	-2.0	4.4	7.6	10.1	15.9	20.6	19.6	16.7	16.0	10.5	8.6
27	-0.3	-1.9	2.6	8.2	10.9	14.7	18.4	21.7	<u>14.7</u>	13.7	7.9	6.1
28	-0.2	0.5	1.5	8.0	11.8	12.9	22.0	19.3	15.3	11.9	4.4	6.1
29	0.1	0.3	3.8	8.8	12.1	14.4	23.1	17.7	16.2	15.1	2.8	6.7
30	0.4	0.2		10.9	10.8	15.4	22.5	18.9	18.0	14.9	<u>1.9</u>	5.1
31	-0.3	-2.1		9.5		16.7		20.7	16.9		5.8	
<i>3° Dec</i>	<i>-0.30</i>	<i>-0.08</i>	<i>1.99</i>	<i>8.22</i>	<i>8.64</i>	<i>14.05</i>	<i>20.44</i>	<i>18.30</i>	<i>18.29</i>	<i>13.88</i>	<i>7.45</i>	<i>5.92</i>
2012	1.30	-0.17	-1.36	5.94	7.37	11.80	17.56	18.53	19.64	14.57	10.07	5.89
1951-2011	1.29	0.26	1.22	4.27	7.66	11.77	15.33	17.75	17.45	14.23	9.66	4.69
min	-1.9	-3.4	-7.5	1.4	2.2	6.8	11.0	13.8	14.7	10.7	1.9	2.2
giorno	20	17	4	10	12	17	13	23	27	20	30	18
Max	6.7	4.2	4.6	10.9	12.1	16.8	23.1	22.6	23.1	17.4	14.9	11.0
giorno	5	6	25	30	29	12	29	1	19	4	7	3

Tab. IV. Temperature massime giornaliere dell'atmosfera e loro medie decadiche e mensili (°C).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	10.3	7.1	<u>0.6</u>	20.9	23.0	15.4	28.4	33.9	34.3	21.3	24.5	14.8
2	11.6	4.7	1.2	23.0	15.6	20.0	27.0	31.9	35.6	26.3	25.4	17.2
3	11.3	11.3	0.7	18.1	12.6	23.9	21.7	32.6	34.6	24.0	21.6	14.0
4	11.3	11.1	2.4	13.5	<u>10.8</u>	21.8	25.3	32.5	34.7	24.2	21.9	12.5
5	13.3	9.5	2.2	9.7	14.7	17.1	27.8	32.1	29.6	28.6	23.2	18.1
6	13.4	11.2	2.3	<u>9.4</u>	19.7	18.5	26.1	<u>28.3</u>	27.7	31.0	24.6	16.0
7	14.0	11.5	3.4	13.6	19.8	24.0	21.2	31.3	32.1	29.5	24.8	15.2
8	16.3	12.5	6.6	16.7	17.9	18.6	20.9	32.1	33.3	29.7	21.1	13.2
9	9.8	10.8	6.2	16.1	14.2	25.8	25.3	31.5	32.2	30.7	23.1	14.4
10	12.6	12.7	3.0	15.4	11.0	28.5	24.1	30.0	30.9	30.6	19.8	9.9
<i>1° Dec</i>	<i>12.39</i>	<i>10.24</i>	<i>2.86</i>	<i>15.64</i>	<i>15.93</i>	<i>21.36</i>	<i>24.78</i>	<i>31.62</i>	<i>32.50</i>	<i>27.59</i>	<i>23.00</i>	<i>14.53</i>
11	8.8	9.9	1.6	16.4	11.5	30.6	25.7	30.1	30.8	29.9	17.9	9.6
12	8.4	8.4	1.8	17.7	19.4	27.6	<u>20.4</u>	31.1	29.4	22.7	18.9	17.0
13	9.5	9.4	2.7	19.8	16.0	22.4	28.4	29.5	29.4	23.9	15.2	16.0
14	7.1	8.4	6.7	20.7	17.1	20.4	26.8	29.5	32.2	27.3	16.6	15.5
15	8.1	7.1	10.9	22.1	12.1	22.4	28.1	31.3	33.1	26.7	12.4	13.2
16	7.5	5.8	13.5	19.9	16.1	19.5	30.3	29.7	32.9	27.7	19.3	14.6
17	9.7	3.6	11.2	16.2	19.2	22.7	32.4	31.8	32.9	25.8	13.5	9.3
18	6.2	3.5	11.8	11.0	<u>10.8</u>	21.6	33.6	31.8	35.8	27.4	18.4	10.9
19	7.6	6.5	10.4	10.9	11.6	19.7	33.3	31.8	35.3	25.4	19.5	13.3
20	<u>5.0</u>	13.9	8.0	18.0	16.5	16.6	30.1	30.8	35.6	23.6	20.2	14.2
<i>2° Dec</i>	<i>7.79</i>	<i>7.65</i>	<i>7.86</i>	<i>17.27</i>	<i>15.03</i>	<i>22.35</i>	<i>28.91</i>	<i>30.74</i>	<i>32.74</i>	<i>26.04</i>	<i>17.19</i>	<i>13.36</i>
21	11.4	11.1	11.4	21.7	18.6	<u>13.5</u>	32.9	29.0	37.3	21.3	20.7	12.7
22	8.2	10.5	14.4	22.6	20.4	22.0	33.5	30.2	37.7	24.7	23.3	11.8
23	8.1	10.0	8.8	21.9	13.7	27.7	32.0	<u>28.3</u>	33.7	19.2	23.7	13.9
24	12.9	15.5	20.5	21.3	16.1	30.6	30.9	31.5	33.5	19.7	21.4	14.4
25	10.7	9.2	22.9	21.3	18.4	29.1	33.8	33.8	30.5	18.0	19.6	13.8
26	8.6	8.2	21.5	23.2	17.7	24.5	31.0	33.0	32.1	22.1	14.2	9.1
27	9.2	7.2	18.4	22.7	24.8	24.8	32.2	34.9	29.3	24.1	17.2	9.1
28	9.3	3.7	12.0	25.2	28.8	26.0	32.1	33.8	29.2	24.8	9.2	<u>7.9</u>
29	7.8	3.4	16.5	26.8	18.1	31.5	33.6	33.8	32.4	<u>16.9</u>	15.8	10.5
30	8.8	4.3		25.1	17.9	28.4	33.4	33.3	<u>21.1</u>	23.9	11.7	11.3
31	9.0	<u>1.7</u>		26.9		28.6		32.9	24.3		<u>8.8</u>	
<i>3° Dec</i>	<i>9.45</i>	<i>7.71</i>	<i>16.27</i>	<i>23.52</i>	<i>19.45</i>	<i>26.06</i>	<i>32.54</i>	<i>32.23</i>	<i>31.01</i>	<i>21.47</i>	<i>16.87</i>	<i>11.45</i>
2012	9.88	8.53	9.00	18.81	16.80	23.26	28.74	31.53	32.08	25.03	19.02	13.11
1951-2011	7.19	6.47	8.97	13.12	16.58	20.83	24.82	27.64	26.96	22.88	17.36	10.97
min	5.0	1.7	0.6	9.4	10.8	13.5	20.4	28.3	21.1	16.9	8.8	7.9
giorno	20	31	1	6	4	21	12	6	30	29	31	28
Max	16.3	15.5	22.9	26.9	28.8	31.5	33.8	34.9	37.7	31.0	25.4	18.1
giorno	8	24	25	31	28	29	25	27	22	6	2	5

Tab. V. Escursioni termiche giornaliere dell'atmosfera e loro medie decadiche e mensili (°C).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	9.1	7.7	<u>3.0</u>	16.8	14.9	4.5	11.6	11.3	14.2	7.5	9.8	8.0
2	7.8	<u>1.1</u>	3.4	17.9	4.8	10.1	10.3	12.4	13.3	12.1	12.4	7.3
3	6.7	10.9	5.2	12.8	3.0	15.2	5.0	13.4	14.1	8.3	7.4	3.0
4	7.5	11.4	9.9	5.3	<u>1.5</u>	11.1	9.8	12.8	15.7	6.8	8.3	2.0
5	6.6	8.9	8.8	6.9	5.2	7.0	15.0	14.3	10.7	12.4	11.3	11.6
6	11.3	7.0	9.2	6.2	11.4	8.6	10.6	10.4	9.2	15.8	11.3	11.6
7	11.0	11.5	9.5	11.9	11.5	16.0	<u>3.6</u>	13.7	15.8	13.0	9.9	11.3
8	12.7	9.9	9.8	12.2	12.1	6.4	3.8	12.5	16.4	12.6	8.2	10.4
9	7.4	9.5	10.2	11.7	10.7	13.9	8.3	12.6	13.5	14.1	9.0	10.9
10	10.1	11.6	7.0	14.0	5.2	15.9	9.1	11.8	9.5	14.8	7.0	2.9
<i>1° Dec</i>	<i>9.02</i>	<i>8.95</i>	<i>7.60</i>	<i>11.57</i>	<i>8.03</i>	<i>10.87</i>	<i>8.71</i>	<i>12.52</i>	<i>13.24</i>	<i>11.74</i>	<i>9.46</i>	<i>7.90</i>
11	7.3	9.3	5.7	13.7	7.9	15.6	10.9	12.9	11.3	13.1	6.9	2.3
12	6.1	9.2	6.4	11.0	17.2	10.8	7.5	13.5	7.9	6.7	7.5	9.5
13	8.2	10.3	8.1	14.6	8.8	11.7	17.4	<u>8.7</u>	9.1	9.7	5.7	9.8
14	5.2	9.8	9.1	16.4	8.6	12.3	13.7	9.5	10.7	15.6	5.2	8.5
15	7.3	9.7	14.1	17.4	4.3	12.3	12.0	13.5	13.0	15.8	5.1	6.0
16	<u>4.5</u>	9.1	12.7	13.7	8.7	9.8	14.0	12.0	11.1	12.0	13.6	10.8
17	8.5	7.0	11.1	8.1	13.7	15.9	14.1	16.5	10.9	12.0	5.6	6.3
18	6.6	6.5	12.3	<u>4.5</u>	6.5	11.0	12.8	14.0	14.5	13.5	8.3	8.7
19	8.9	8.3	6.1	4.8	7.8	10.3	14.8	12.7	12.2	9.4	10.0	9.6
20	6.9	14.5	6.4	13.1	11.0	5.2	10.1	12.1	12.9	12.9	11.7	10.9
<i>2° Dec</i>	<i>6.95</i>	<i>9.37</i>	<i>9.20</i>	<i>11.73</i>	<i>9.45</i>	<i>11.49</i>	<i>12.73</i>	<i>12.54</i>	<i>11.36</i>	<i>12.07</i>	<i>7.96</i>	<i>8.24</i>
21	11.8	8.8	11.5	13.2	14.6	<u>3.5</u>	13.8	10.8	14.3	6.5	11.3	8.9
22	8.6	8.7	15.8	15.9	11.1	11.5	16.0	14.6	16.0	11.2	12.8	5.7
23	9.1	9.3	9.1	14.4	6.2	15.2	10.7	14.5	12.9	5.8	13.7	6.5
24	13.6	15.7	17.7	14.5	11.8	15.2	10.5	15.0	12.6	6.3	11.7	9.7
25	10.4	9.7	18.3	13.4	12.8	12.9	14.3	14.5	13.5	5.9	10.5	9.2
26	9.4	10.2	17.1	15.6	7.6	8.6	10.4	13.4	15.4	6.1	3.7	<u>0.5</u>
27	9.5	9.1	15.8	14.5	13.9	10.1	13.8	13.2	14.6	10.4	9.3	3.0
28	9.5	3.2	10.5	17.2	17.0	13.1	10.1	14.5	13.9	12.9	4.8	1.8
29	7.7	3.1	12.7	18.0	6.0	17.1	10.5	16.1	16.2	<u>1.8</u>	13.0	3.8
30	8.4	4.1		14.2	7.1	13.0	10.9	14.4	<u>3.1</u>	9.0	9.8	6.2
31	9.3	3.8		17.4		11.9		12.2	7.4		<u>3.0</u>	
<i>3° Dec</i>	<i>9.75</i>	<i>7.79</i>	<i>14.28</i>	<i>15.30</i>	<i>10.81</i>	<i>12.01</i>	<i>12.10</i>	<i>13.93</i>	<i>12.72</i>	<i>7.59</i>	<i>9.42</i>	<i>5.53</i>
2012	8.57	8.70	10.36	12.87	9.43	11.46	11.18	13.00	12.44	10.47	8.95	7.22
1951-2011	5.90	6.21	7.75	8.86	8.92	9.07	9.49	9.88	9.51	8.65	7.70	6.29
min	4.5	1.1	3.0	4.5	1.5	3.5	3.6	8.7	3.1	1.8	3.0	0.5
giorno	16	2	1	18	4	21	7	13	30	29	31	26
Max	13.6	15.7	18.3	18.0	17.2	17.1	17.4	16.5	16.4	15.8	13.7	11.6
giorno	24	24	25	29	12	29	13	17	8	6	23	5

Tab. VI. Valori estremi della temperatura atmosferica (°C) e date in cui gli eventi si sono verificati.

		Media giornaliera		Minima assoluta		Media mensile minime	Massima assoluta		Media mensile massime						
		Valore min	Valore max	Valore min	Valore max		Valore min	Valore max							
Dic	2012	0.76	20	9.09	5	-1.9	20	6.7	5	1.30	5.0	20	16.3	8	9.88
	1951-2011	-4.07	29 1997	11.10	4 1968	-5.9	18 2011	8.7	g.d. a.d.	1.29	-2.4	28 1997	20.7	4 1968	7.19
Gen	2012	-0.58	17	8.15	8	-3.4	17	4.2	6	-0.17	1.7	31	15.5	24	8.53
	1951-2011	-6.12	7 1985	14.08	18 2000	-8.2	6 1985	7.3	g.d. a.d.	0.26	-3.5	8 1985	25.1	19 2007	6.47
Feb	2012	-3.46	5	11.48	25	-7.5	4	4.6	25	-1.36	0.6	1	22.9	25	9.00
	1951-2011	-6.30	11 1956	13.30	22 1959	-7.6	16 1956	8.4	26 1990	1.22	-5.1	11 1956	21.0	22 2001	8.97
Mar	2012	5.05	6	18.09	30	1.4	10	10.9	30	5.94	9.4	6	26.9	31	18.81
	1951-2011	-3.27	6 1971	18.56	21 2002	-7.1	6 1971	12.2	21 1990	4.27	0.2	6 1971	27.7	19 2005	13.12
Apr	2012	5.92	11	20.13	28	2.2	12	12.1	29	7.37	10.8	gd	28.8	28	16.80
	1951-2011	2.25	12 1958	23.04	9 2011	-0.7	8 1956	16.6	22 2007	7.66	3.8	12 1986	32.9	8 2011	16.58
Mag	2012	11.67	21	23.09	24	6.8	17	16.8	12	11.80	13.5	21	31.5	29	23.26
	1951-2011	6.35	4 1975	26.30	25 2009	2.8	5 1979	20.2	25 2009	11.77	7.9	6 1975	34.0	25 2009	20.83
Giù	2012	16.00	12	27.85	30	11.0	13	23.1	29	17.56	20.4	12	33.8	25	28.74
	1951-2011	9.87	5 1984	29.19	13 2003	7.0	18 1978	24.5	20 2002	15.33	11.3	5 1984	37.4	15 2003	24.82
Lug	2012	20.56	6	27.49	1	13.8	23	22.6	1	18.53	28.3	gd	34.9	27	31.53
	1951-2011	12.85	19 1966	28.95	23 2006	9.8	20 1966	24.6	20 1992	17.75	15.0	19 1966	36.9	23 2006	27.64
Ago	2012	19.72	30	28.86	22	14.7	27	23.1	19	19.64	21.1	30	37.7	22	32.08
	1951-2011	13.90	21 2007	30.71	11 2003	9.8	22 1963	25.2	14 2003	17.45	15.3	21 2007	38.1	11 2003	26.96
Set	2012	15.42	25	22.76	7	10.7	20	17.4	4	14.57	16.9	29	31.0	6	25.03
	1951-2011	8.95	29 1965	25.40	10 1951	4.9	28 1972	21.5	g.d. a.d.	14.23	10.4	30 1952	32.7	9 2011	22.88
Ott	2012	6.21	30	18.85	7	1.9	30	14.9	7	10.07	8.8	31	25.4	2	19.02
	1951-2011	4.02	26 1981	20.60	1 2009	0.5	30 1997	17.7	1 2006	9.66	6.2	26 1981	29.3	11 2011	17.36
Nov	2012	5.33	18	12.16	2	2.2	18	11.0	3	5.89	7.9	28	18.1	5	13.11
	1951-2011	-0.34	22 1998	14.30	3 2004	-3.6	23 1998	12.6	2 2004	4.69	2.3	25 2005	22.3	18 1964	10.97

Tab. VII. Valori estremi mensili delle escursioni termiche dell'atmosfera (°C) e date in cui gli eventi si sono verificati.

	Escursione minima giornaliera				Escursione massima giornaliera				Massima escursione mensile		
	2012		1951-2011		2012		1951-2011		2012	1951-2011	
	C°	data	C°	data	C°	data	C°	data	C°	C°	data
Dic	4.5	16	0.3	17 1954	13.6	24	17.9	6 2002	18.2	24.3	2002
Gen	1.1	2	0.3	26 1954	15.7	24	21.5	19 2007	18.9	27.5	2007
Feb	3.0	1	0.5	23 1954	18.3	25	16.9	5 1999	30.4	26.0	a.d.
Mar	4.5	18	0.6	9 1967	18.0	29	19.1	19 2005	25.5	32.8	2005
Apr	1.5	4	0.5	5 1954	17.2	12	19.3	9 2011	26.6	26.3	2011
Mag	3.5	21	0.4	31 1954	17.1	29	18.5	1 2009	24.7	26.1	2009
Giu	3.6	7	0.5	3 1957	17.4	13	18.1	13 1951	22.8	26.0	2006
Lug	8.7	13	0.9	30 1977	16.5	17	16.3	4 1998	21.1	23.5	2007
Ago	3.1	30	0.9	28 1977	16.4	8	18.3	12 2002	23.0	21.7	1979
Set	1.8	29	1.0	16 1953	15.8	gd	17.4	12 2003	20.3	22.5	1962
Ott	3.0	31	0.2	24 2007	13.7	23	18.5	11 2011	23.5	28.2	1997
Nov	0.5	26	0.2	9 1955	11.6	gd	15.9	17 1964	15.9	21.5	a.d.

Tab. VIII. Umidità medie giornaliere e loro medie decadiche e mensili (%).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	88.7	85.1	84.1	67.0	58.2	94.1	69.0	61.8	62.9	73.2	85.3	90.6
2	77.5	94.2	82.2	64.3	<u>44.0</u>	78.2	72.0	73.6	59.9	71.5	83.0	86.2
3	81.2	86.9	66.2	75.0	73.6	67.6	86.5	69.0	64.9	82.3	90.4	86.9
4	91.0	65.1	64.4	82.9	96.5	76.2	70.4	71.6	69.4	83.8	91.8	99.2
5	70.0	65.9	65.9	86.5	90.2	87.5	<u>51.3</u>	63.9	82.8	74.1	87.0	84.4
6	57.6	<u>41.5</u>	70.4	83.9	81.7	82.3	70.1	83.0	82.3	70.2	82.6	57.5
7	69.0	60.3	68.9	72.1	79.9	67.0	85.1	75.8	55.9	71.7	84.6	63.5
8	65.5	52.9	67.7	54.8	49.1	83.5	90.0	69.9	57.9	72.6	81.4	76.8
9	68.7	61.7	76.1	42.9	56.1	65.9	84.5	71.1	63.5	68.1	82.9	76.6
10	74.8	63.4	49.0	53.7	67.1	66.6	84.8	75.5	59.6	62.6	91.1	97.8
<i>1° Dec</i>	<i>74.41</i>	<i>67.71</i>	<i>69.49</i>	<i>68.31</i>	<i>69.65</i>	<i>76.89</i>	<i>76.35</i>	<i>71.54</i>	<i>65.92</i>	<i>73.01</i>	<i>86.01</i>	<i>81.95</i>
11	85.3	73.2	64.1	62.2	91.1	64.3	77.7	75.2	59.2	65.4	93.8	99.9
12	94.5	81.6	66.1	46.8	66.0	60.6	81.8	53.2	59.5	65.9	91.6	91.6
13	72.4	79.4	66.5	57.1	82.4	67.4	58.6	67.8	66.4	<u>32.3</u>	85.6	89.1
14	81.4	66.4	66.1	68.1	84.4	62.5	63.8	78.8	63.8	46.3	93.0	79.8
15	85.8	68.0	53.3	61.7	90.7	50.4	60.7	47.7	65.5	61.6	91.2	80.3
16	86.0	75.0	61.6	70.1	78.7	<u>24.7</u>	63.3	<u>36.6</u>	65.1	65.0	70.4	80.0
17	51.7	84.0	63.8	74.7	52.4	36.0	63.7	50.8	63.7	70.3	83.3	91.2
18	63.4	89.7	80.5	91.8	89.7	50.5	64.7	49.9	63.8	72.9	91.5	88.3
19	<u>47.7</u>	81.8	79.7	81.4	88.3	63.8	59.1	58.1	64.5	67.3	89.8	75.6
20	58.2	68.7	83.1	62.8	71.7	89.9	71.3	69.0	66.4	48.2	84.5	85.2
<i>2° Dec</i>	<i>72.64</i>	<i>76.78</i>	<i>68.46</i>	<i>67.68</i>	<i>79.54</i>	<i>57.01</i>	<i>66.45</i>	<i>58.70</i>	<i>63.78</i>	<i>59.52</i>	<i>87.48</i>	<i>86.12</i>
21	60.9	73.5	62.9	51.2	66.7	93.1	66.8	65.8	61.2	62.5	84.2	88.9
22	69.3	82.2	64.4	58.1	57.2	73.0	54.8	44.9	61.9	65.0	85.0	87.9
23	76.9	80.8	64.8	54.0	75.1	71.3	66.1	47.6	71.7	79.2	85.5	86.4
24	55.5	54.5	61.5	55.8	78.1	53.0	71.6	52.0	74.3	96.9	87.5	86.6
25	52.2	59.7	62.9	53.9	71.6	56.3	54.8	58.4	85.6	98.1	90.1	84.3
26	66.8	61.1	44.8	48.7	78.2	59.4	59.1	63.8	54.8	90.1	97.0	97.3
27	74.9	68.0	<u>39.1</u>	51.7	58.7	64.8	61.4	65.3	<u>49.8</u>	80.2	88.9	99.8
28	83.9	86.9	63.5	48.3	57.3	66.7	64.0	73.2	60.1	77.6	70.0	100.0
29	84.7	96.6	67.4	41.7	82.8	49.3	64.0	64.6	63.0	95.7	<u>61.4</u>	81.6
30	59.7	68.7		<u>34.0</u>	89.4	54.2	63.0	59.2	85.4	88.6	78.1	<u>56.9</u>
31	69.8	77.8		40.1		62.7		63.8	57.2		87.9	
<i>3° Dec</i>	<i>68.58</i>	<i>73.62</i>	<i>59.03</i>	<i>48.87</i>	<i>71.53</i>	<i>63.98</i>	<i>62.55</i>	<i>59.87</i>	<i>65.91</i>	<i>83.38</i>	<i>83.25</i>	<i>86.96</i>
2012	71.88	72.70	65.66	61.62	73.57	65.96	68.45	63.37	65.20	71.97	85.58	85.01
1951-2011	76.69	75.19	70.17	65.12	64.34	66.97	66.87	65.64	69.74	74.34	77.98	78.18
min	47.7	41.5	39.1	34.0	44.0	24.7	51.3	36.6	49.8	32.3	61.4	56.9
giorno	19	6	27	30	2	16	5	16	27	13	29	30
Max	94.5	96.6	84.1	91.8	96.5	94.1	90.0	83.0	85.6	98.1	97.0	100.0
giorno	12	29	1	18	4	1	8	6	25	25	26	28

Tab. IX. Umidità minime giornaliere (%).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	67	70	69	36	18	77	48	37	41	50	57	67
2	64	83	68	31	26	48	50	48	29	43	54	56
3	67	51	56	52	62	39	80	41	36	50	69	76
4	69	19	43	66	92	53	47	43	38	<u>0</u>	71	95
5	<u>20</u>	41	41	70	67	66	<u>24</u>	34	52	47	56	49
6	34	25	46	67	53	55	47	54	64	37	52	30
7	46	34	41	40	54	35	69	44	23	40	57	<u>24</u>
8	28	28	42	18	<u>16</u>	67	76	38	28	46	54	47
9	54	34	29	31	40	33	57	46	40	33	59	51
10	49	34	20	29	53	36	52	49	40	34	75	82
11	68	44	48	32	64	35	50	48	34	37	79	99
12	76	56	48	24	26	42	53	24	42	29	76	60
13	44	52	47	32	52	34	26	50	45	19	69	59
14	56	38	39	35	55	36	41	49	41	22	78	60
15	69	49	24	31	81	18	36	23	42	38	67	66
16	63	55	30	41	42	<u>16</u>	35	22	37	34	39	57
17	26	62	39	51	23	18	34	30	41	45	68	70
18	45	72	49	75	77	25	39	32	36	47	66	64
19	25	56	63	62	70	39	41	34	39	25	61	48
20	40	28	56	24	40	75	52	49	40	28	51	56
21	32	51	39	30	29	83	38	30	35	40	52	61
22	48	64	25	29	22	42	27	<u>21</u>	37	39	49	73
23	47	62	47	25	54	44	43	27	42	68	52	63
24	24	<u>14</u>	26	31	46	28	48	30	50	83	56	61
25	28	34	29	32	40	36	26	36	57	90	57	61
26	44	38	<u>13</u>	24	61	42	43	44	<u>15</u>	72	87	87
27	51	48	16	28	32	41	41	38	26	57	51	99
28	63	75	43	20	31	43	40	42	32	45	49	100
29	60	85	41	<u>14</u>	59	19	38	34	35	89	<u>28</u>	39
30	36	49		16	65	33	37	39	69	61	48	34
31	52	61		16		46		38	30		75	
2012	48.23	48.77	40.59	35.87	48.33	42.06	44.60	37.87	39.23	44.93	60.06	63.13
1957-2011	60.38	58.60	51.00	45.34	45.35	48.67	48.20	47.31	50.31	54.72	58.84	61.34
min	20	14	13	14	16	16	24	21	15	0	28	24
giorno	5	24	26	29	8	16	5	22	26	4	29	7
Max	76	85	69	75	92	83	80	54	69	90	87	100
giorno	12	29	1	18	4	21	3	6	30	25	26	28

Tab. XI. Quantità e forma delle precipitazioni giornaliere e loro totali mensili (mm).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	/	/	/	/	/	51.6 P	/	/	/	7.0 P	/	6.8 P
2	/	13.4 P	2.4 p	/	/	/	/	1.8 P	0.8 P	0.2 P	/	/
3	/	0.2 p	2.8 p	/	3.2 P	/	17.0 P	/	/	2.2 P	2.8 P	/
4	/	/	0.6 p	0.6 p	46.8 P	/	11.0 P	0.2 P	46.4 P	0.4 P	/	28.6 P
5	0.4	2.8 P	/	43.0 P	22.0 P	47.2 P	/	0.4 p	7.2 P	1.0 P	/	0.4 P
6	/	0.4 P	/	6.2 P	1.0 P	11.4 P	/	18.2 P	/	/	/	/
7	/	/	/	/	2.8 P	/	0.8 P	19.6 P	/	/	/	/
8	/	/	/	/	0.2 P	13.4 P	0.8 P	/	/	/	/	/
9	/	/	/	/	/	/	11.4 P	6.0 P	/	/	0.6 p	/
10	/	/	/	/	10.6 P	/	20.8 P	34.2 P	0.4 p	/	/	52.0 P
11	0.2	/	/	/	37.2 P	/	2.6 P	0.2 P	/	/	/	44.4 P
12	3.8	/	/	/	4.8 P	/	16.4 P	/	/	0.4 P	0.6 P	/
13	/	/	/	/	21.2 P	0.2 p	/	/	/	/	2.4 P	0.2 P
14	/	/	/	/	8.8 P	/	/	1.2 P	/	/	75.4 P	/
15	/	/	/	/	16.4 P	/	/	/	/	/	78.0 P	/
16	8.4	/	/	/	/	/	/	/	/	/	/	/
17	/	/	/	/	0.2 P	/	/	/	/	/	0.2 p	/
18	/	/	/	52.0 P	24.6 P	/	/	/	/	/	0.2 p	/
19	/	/	0.4 p	19.2 P	1.0 P	0.4 P	/	/	/	/	/	/
20	/	/	/	0.8 P	/	32.4 P	1.0 P	3.6 P	/	/	/	/
21	/	/	/	/	5.0 P	48.2 P	/	/	/	/	/	/
22	/	/	/	/	/	0.4 P	/	/	4.6 P	/	/	/
23	/	/	/	/	25.8 P	0.2 p	/	/	0.2 P	2.4 P	/	/
24	/	/	/	/	59.4 P	/	/	/	18.0 P	33.2 P	/	/
25	/	/	/	/	0.4 P	/	/	/	94.4 P	17.8 P	/	/
26	/	/	/	/	0.2 P	/	/	/	0.2	28.8 P	26.0 P	15.0 P
27	/	/	/	/	/	1.0 P	/	/	/	1.8 P	10.8 P	135.2 P
28	/	18.6 P	/	/	/	/	/	7.2 P	/	0.2 p	8.2 P	90.2 P
29	/	25.4 P	/	/	22.8 P	/	/	/	/	13.2 P	/	15.8 P
30	0.2	/	/	/	21.6 P	/	/	/	3.8 P	11.8 P	/	/
31	/	1.8 p	/	/	/	/	/	1.0 P	2.4 P	/	15.2 P	/
2012	13.0	62.6	6.2	121.8	336.0	206.4	81.8	93.6	178.4	120.4	220.4	388.6
1955-2011	81.8	70.2	77.6	109.5	176.0	183.8	174.3	132.6	157.4	195.6	208.0	179.8
Max	8.4	25.4	2.8	52.0	59.4	51.6	20.8	34.2	94.4	33.2	78.0	135.2
giorno	16	29	3	18	24	1	10	10	25	24	15	27

P = pioggia

p = pioviggine

N = neve

T = temporale con grandine

t = temporale

n = pioggia e neve

Tab. XII. Durate delle precipitazioni giornaliere e loro totali mensili (ore e minuti).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	/ /	/ /	/ /	/ /	/ /	17.49	/ /	/ /	/ /	9.58	/ /	4.13
2	/ /	12.18	2.09	/ /	/ /	/ /	/ /	1.35	0.11	0.00	/ /	/ /
3	/ /	0.00	2.36	/ /	2.13	/ /	4.54	/ /	/ /	3.06	2.44	/ /
4	/ /	/ /	0.35	0.31	23.55	/ /	1.54	0.00	4.06	0.34	/ /	22.46
5	1.39	1.46	/ /	23.31	10.19	16.20	/ /	0.03	1.56	0.17	/ /	0.00
6	/ /	0.03	/ /	12.13	0.35	6.50	/ /	7.48	/ /	/ /	/ /	/ /
7	/ /	/ /	/ /	/ /	0.46	/ /	0.53	2.36	/ /	/ /	/ /	/ /
8	/ /	/ /	/ /	/ /	0.00	3.56	2.27	/ /	/ /	/ /	/ /	/ /
9	/ /	/ /	/ /	/ /	/ /	/ /	6.13	0.49	/ /	/ /	0.07	/ /
10	/ /	/ /	/ /	/ /	6.32	/ /	8.17	3.43	0.43	/ /	/ /	21.44
11	0.00	/ /	/ /	/ /	12.27	/ /	4.51	0.00	/ /	/ /	/ /	13.37
12	8.16	/ /	/ /	/ /	1.51	/ /	4.54	/ /	/ /	0.03	0.12	/ /
13	/ /	/ /	/ /	/ /	8.36	0.00	/ /	/ /	/ /	/ /	0.49	0.00
14	/ /	/ /	/ /	/ /	10.36	/ /	/ /	2.31	/ /	/ /	8.32	/ /
15	/ /	/ /	/ /	/ /	23.01	/ /	/ /	/ /	/ /	/ /	14.26	/ /
16	7.50	/ /	/ /	/ /	/ /	/ /	/ /	/ /	/ /	/ /	/ /	/ /
17	/ /	/ /	/ /	/ /	0.00	/ /	/ /	/ /	/ /	/ /	0.00	/ /
18	/ /	/ /	/ /	14.51	13.26	/ /	/ /	/ /	/ /	/ /	0.00	/ /
19	/ /	/ /	0.00	11.43	1.35	0.14	/ /	/ /	/ /	/ /	/ /	/ /
20	/ /	/ /	/ /	0.06	/ /	15.13	0.50	0.44	/ /	/ /	/ /	/ /
21	/ /	/ /	/ /	/ /	6.07	18.36	/ /	/ /	/ /	/ /	/ /	/ /
22	/ /	/ /	/ /	/ /	/ /	0.00	/ /	/ /	0.32	/ /	/ /	/ /
23	/ /	/ /	/ /	/ /	8.30	0.00	/ /	/ /	0.00	3.25	/ /	/ /
24	/ /	/ /	/ /	/ /	8.00	/ /	/ /	/ /	2.47	10.46	/ /	/ /
25	/ /	/ /	/ /	/ /	0.19	/ /	/ /	/ /	3.59	7.56	/ /	/ /
26	/ /	/ /	/ /	/ /	0.00	/ /	/ /	/ /	0.00	4.57	13.52	13.45
27	/ /	/ /	/ /	/ /	/ /	0.41	/ /	/ /	/ /	1.47	7.18	23.58
28	/ /	15.45	/ /	/ /	/ /	/ /	/ /	1.31	/ /	0.00	7.23	23.59
29	/ /	22.52	/ /	/ /	9.20	/ /	/ /	/ /	/ /	10.15	/ /	8.37
30	0.00	/ /	/ /	/ /	9.11	/ /	/ /	/ /	4.35	1.21	/ /	/ /
31	/ /	1.57	/ /	/ /	/ /	/ /	/ /	0.36	1.54	/ /	9.13	/ /
2012	17:45	54:41	5:20	62:55	157:19	79:39	35:13	21:56	20:43	54:25	64:36	132:39
1955-2011	63:11	61:37	61:15	69:10	87:33	81:19	54:43	32:04	40:33	54:44	80:29	89:11
Max	8:16	22:52	2:36	23:31	23:55	18:36	8:17	7:48	4:35	10:46	14:26	23:59
giorno	12	29	3	5	4	21	10	6	30	24	15	28

Tab. XIII. Frequenze percentuali mensili ed annuali delle giornate di precipitazioni ripartite in classi di intensità.

mm giorni ⁻¹	<0.6	0.7 - 1.2	1.3 - 3.0	3.1 - 6.0	6.1 - 10.0	10.1 - 18.0	18.1 - 30.0	30.1 - 50.0	50.1 - 100	> 100.1	%
Dic	2.44	/	/	0.81	0.81	/	/	/	/	/	4.07
Gen	1.63	/	1.63	/	/	0.81	1.63	/	/	/	5.69
Feb	0.81	0.81	1.63	/	/	/	/	/	/	/	3.25
Mar	/	1.63	/	/	0.81	/	0.81	0.81	0.81	/	4.88
Apr	3.25	1.63	0.81	2.44	0.81	1.63	4.88	1.63	0.81	/	17.89
Mag	3.25	0.81	/	/	/	1.63	/	2.44	0.81	/	8.94
Giu	/	2.44	0.81	/	/	3.25	0.81	/	/	/	7.32
Lug	2.44	0.81	1.63	1.63	0.81	/	1.63	0.81	/	/	9.76
Ago	2.44	0.81	0.81	1.63	0.81	0.81	/	0.81	0.81	/	8.94
Set	3.25	0.81	2.44	/	0.81	2.44	0.81	0.81	/	/	11.38
Ott	2.44	0.81	1.63	/	0.81	1.63	0.81	/	1.63	/	9.76
Nov	1.63	/	/	/	0.81	1.63	0.81	0.81	1.63	0.81	8.13
2012	23.58	10.57	11.38	6.50	6.50	13.82	12.20	8.13	6.50	0.81	100.00
1951-2011	17.75	7.82	13.30	13.38	10.84	12.26	9.65	8.09	5.63	1.29	100.00

Tab. XIV. Pressioni medie giornaliere e loro medie decadiche e mensili (millibar).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	1001.9	996.5	990.8	998.1	982.9	991.9	988.2	989.6	991.2	991.3	991.8	971.1
2	996.2	995.0	993.1	997.4	987.7	991.1	989.6	988.8	989.5	995.4	992.2	982.2
3	992.0	998.8	993.7	995.9	985.3	985.6	987.9	989.1	988.5	992.9	993.4	988.5
4	987.8	994.5	995.5	993.4	984.6	983.6	983.6	987.8	988.6	991.9	992.6	983.3
5	981.2	<u>981.5</u>	998.8	991.1	983.8	984.1	986.5	987.1	988.0	991.0	995.4	977.0
6	987.5	986.3	993.5	995.6	982.2	986.2	987.7	987.5	989.3	993.9	994.8	989.0
7	989.0	993.1	989.8	998.4	976.4	989.9	987.8	988.8	993.4	997.0	989.9	1000.3
8	995.0	991.5	999.4	995.0	978.7	994.0	988.0	987.8	993.9	995.5	992.0	999.5
9	995.7	998.6	995.7	1006.6	986.4	994.6	986.8	986.8	993.8	993.4	986.9	994.5
10	992.0	1002.0	996.6	1005.4	985.5	998.8	983.8	988.0	993.8	993.2	986.4	990.9
<i>1^a Dec</i>	<i>991.8</i>	<i>993.8</i>	<i>994.7</i>	<i>997.7</i>	<i>983.3</i>	<i>990.0</i>	<i>987.0</i>	<i>988.1</i>	<i>991.0</i>	<i>993.6</i>	<i>991.5</i>	<i>987.6</i>
11	993.7	1006.1	994.0	997.4	976.8	999.4	979.5	987.9	990.6	991.8	986.8	987.1
12	989.3	1002.5	995.4	994.8	978.5	993.6	<u>978.6</u>	987.3	989.2	983.4	986.2	995.8
13	991.9	993.2	993.0	999.4	976.9	993.1	986.2	984.0	988.0	983.0	987.9	1002.1
14	990.9	994.8	989.3	1000.6	<u>971.8</u>	989.8	993.1	<u>983.6</u>	988.6	985.5	981.8	1001.8
15	988.7	994.4	<u>983.8</u>	1001.0	974.5	984.3	995.8	986.1	989.2	989.0	979.0	997.8
16	<u>976.1</u>	998.0	988.8	1002.1	980.4	990.2	995.8	996.2	989.6	991.7	986.8	996.5
17	977.2	1001.5		1000.3	981.4	992.5	994.1	996.5	993.4	991.1	997.6	993.9
18	985.8	1005.6		996.0	974.6	991.3	993.1	993.8	995.1	989.9	998.5	991.4
19	990.8	1002.1		998.5	972.2	991.5	991.7	988.2	996.6	987.2	998.6	991.3
20	989.6	990.5		1007.9	974.2	987.8	988.8	986.5	995.5	996.1	996.9	992.8
<i>2^a Dec</i>	<i>987.4</i>	<i>998.9</i>	<i>990.7</i>	<i>999.8</i>	<i>976.1</i>	<i>991.4</i>	<i>989.7</i>	<i>989.0</i>	<i>991.6</i>	<i>988.9</i>	<i>990.0</i>	<i>995.1</i>
21	990.0	989.8		1007.5	980.9	<u>979.9</u>	985.8	987.3	992.6	997.1	994.3	995.3
22	995.5	985.3	1002.7	1004.0	981.9	982.4	989.7	992.8	991.2	992.5	994.3	997.5
23	997.9	988.0	998.8	1000.0	982.8	988.9	994.1	994.9	990.5	992.7	994.9	997.8
24	995.0	989.4	998.2	997.6	976.5	992.4	992.9	992.1	987.3	982.9	992.2	998.4
25	1005.7	993.6	991.4	999.8	986.4	991.4	986.7	988.7	<u>986.5</u>	984.0	988.7	996.0
26	1010.8	994.4	989.0	1001.5	994.3	992.1	992.2	990.8	987.1	<u>982.3</u>	980.8	991.7
27	1010.7	999.0	995.2	1001.0	995.4	992.0	992.8	990.1	995.4	986.1	<u>964.7</u>	982.5
28	1003.4	999.2	996.7	999.0	993.0	989.0	990.0	986.7	995.8	994.1	973.3	969.6
29	996.3	997.0	992.8	990.4	992.2	987.1	989.7	985.7	994.4	993.2	984.0	<u>967.9</u>
30	989.6	998.8		984.2	991.9	991.4	990.3	989.3	992.6	992.4	986.8	976.0
31	992.6	995.3		<u>980.4</u>		992.2		991.7	987.2		981.1	
<i>3^a Dec</i>	<i>998.9</i>	<i>993.6</i>		<i>996.9</i>	<i>987.5</i>	<i>989.0</i>	<i>990.4</i>	<i>990.0</i>	<i>990.9</i>	<i>989.7</i>	<i>985.0</i>	<i>987.3</i>
2012	992.7	995.4	992.7	998.1	982.3	990.1	989.0	989.0	991.2	990.7	988.8	990.0
1951-2011	993.4	994.3	992.4	991.4	989.3	990.6	990.9	990.9	991.0	993.0	994.0	993.2
min	976.1	981.5	983.8	980.4	971.8	979.9	978.6	983.6	986.5	982.3	964.7	967.9
giorno	16	5	15	31	14	21	12	14	25	26	27	29
Max	1010.8	1006.1	1002.7	1007.9	995.4	999.4	995.8	996.5	996.6	997.1	998.6	1002.1
giorno	26	11	22	20	27	11	16	17	19	21	19	13

Tab. XV. Pressioni minime giornaliere (millibar).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	999	994	989	996	979	990	987	988	989	987	991	967
2	995	993	991	995	986	989	989	987	988	994	991	977
3	990	993	992	994	984	983	985	987	987	990	992	988
4	984	991	993	990	984	982	982	986	987	990	991	974
5	979	<u>971</u>	997	989	983	982	985	986	986	989	994	973
6	984	976	989	993	980	985	987	986	988	992	993	985
7	987	991	988	994	973	988	987	988	992	995	987	997
8	989	990	996	992	974	993	987	987	992	994	990	995
9	993	995	991	1002	984	993	985	985	992	991	985	994
10	990	1000	994	1002	982	997	982	986	991	992	985	986
11	993	1005	992	994	975	997	977	986	987	989	986	983
12	986	997	993	993	978	990	<u>976</u>	986	987	980	985	993
13	990	990	990	997	974	989	983	982	987	981	985	1000
14	990	993	988	999	<u>970</u>	986	992	<u>981</u>	987	982	978	1000
15	987	993	<u>979</u>	999	972	981	995	983	987	987	976	996
16	<u>967</u>	996	983	1000	978	984	994	993	988	990	982	996
17	969	1000		998	978	990	992	994	992	990	994	992
18	984	1003		993	971	989	991	991	993	988	997	990
19	989	995		994	971	990	990	985	995	985	998	990
20	987	988		1005	972	982	987	985	994	992	995	991
21	988	987		1005	978	<u>978</u>	984	986	990	994	992	994
22	991	984	1000	1001	981	981	988	990	989	991	993	996
23	995	986	997	997	978	986	992	993	989	990	994	996
24	991	987	997	995	973	990	989	989	985	980	990	997
25	1001	992	988	998	982	989	984	986	<u>984</u>	983	986	995
26	1009	993	986	999	991	991	989	989	985	<u>977</u>	970	988
27	1008	997	993	998	993	990	991	988	994	980	<u>961</u>	979
28	999	998	995	996	991	987	988	985	994	993	966	<u>963</u>
29	994	996	990	986	990	985	989	984	992	991	981	965
30	986	998		982	990	990	989	988	990	991	985	971
31	991	993		<u>977</u>		990		990	985		969	
1951-2011	947.8	961.9	950.8	953.4	964.0	968.0	970.5	971.7	967.8	967.0	961.2	959.4
Data	2	19	26	5	4	gd	27	15	7	12	29	8
	1977	1965	1989	2009	1964	ad	1958	1970	1978	1998	1959	2010
min	967	971	979	977	970	978	976	981	984	977	961	963
giorno	16	5	15	31	14	21	12	14	25	26	27	28
Max	1009	1005	1000	1005	993	997	995	994	995	995	998	1000
giorno	26	11	22	20	27	10	15	17	19	7	19	14

Tab. XVI. Pressioni massime giornaliere (millibar).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	1004	999	993	1000	990	994	991	991	993	996	993	977
2	999	998	995	1000	990	993	991	991	991	997	994	988
3	995	1001	995	997	987	989	990	991	990	996	995	989
4	990	999	1000	997	986	985	986	989	990	994	994	988
5	985	994	1000	994	985	986	988	989	989	992	997	985
6	990	994	998	1000	984	988	988	990	993	997	997	997
7	991	996	996	1002	981	993	989	990	994	999	993	1003
8	999	996	1001	1002	987	995	989	989	996	997	994	1003
9	999	1001	1001	1009	988	997	988	988	996	995	990	996
10	993	1006	999	1009	987	1000	986	989	996	994	987	994
11	995	1008	996	1002	982	1001	<u>982</u>	990	994	994	988	994
12	993	1006	998	998	980	998	983	989	991	989	989	1000
13	994	997	997	1001	979	995	992	987	989	987	990	1004
14	992	996	990	1002	974	994	995	<u>985</u>	990	988	985	1004
15	990	996	<u>989</u>	1003	979	988	997	992	991	993	983	1000
16	988	1001	997	1004	984	995	998	999	993	993	994	998
17	<u>984</u>	1003		1002	984	995	996	999	995	992	1000	996
18	989	1007		999	978	993	995	996	997	992	1000	993
19	993	1007		1006	<u>973</u>	992	993	991	998	992	1000	993
20	993	996		1010	979	990	991	988	997	999	999	995
21	992	992		1009	983	<u>982</u>	988	992	995	999	996	996
22	997	<u>987</u>	1005	1006	985	986	992	996	993	994	995	999
23	1000	989	1001	1003	985	993	996	997	992	995	996	999
24	1001	993	1000	999	982	994	996	995	989	990	994	1000
25	1011	995	997	1002	991	994	989	991	<u>988</u>	986	991	997
26	1013	997	996	1003	997	994	994	992	994	<u>985</u>	987	995
27	1013	1001	997	1004	997	994	995	992	997	993	<u>970</u>	987
28	1008	1000	999	1002	995	991	992	989	998	996	981	979
29	999	999	996	996	994	989	991	988	996	995	987	<u>971</u>
30	994	1000		987	993	993	992	991	995	994	988	982
31	994	998		<u>985</u>		994		994	990		987	
1951-2011	1018.8	1019.7	1018.7	1020.0	1011.0	1008.4	1008.0	1005.2	1004.0	1010.6	1012.5	1015.0
Data	1	3	1	4	9	2	12	22	29	29	22	30
	1990	1989	1993	1990	1997	1990	2006	1985	2005	1986	1983	2006
min	984	987	989	985	973	982	982	985	988	985	970	971
giorno	17	22	15	31	19	21	11	14	25	26	27	29
Max	1013	1008	1005	1010	997	1001	998	999	998	999	1000	1004
giorno	27	11	22	20	26	11	16	16	19	20	17	13

Tab. XVII. Escursioni bariche giornaliere (millibar).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	5	6	4	4	11	4	4	3	5	8	2	10
2	4	6	4	5	4	4	2	4	3	3	3	11
3	5	8	3	3	2	6	5	3	3	6	2	<u>2</u>
4	6	7	7	6	2	3	4	2	3	3	3	14
5	6	24	3	6	2	4	3	3	3	3	3	12
6	6	17	9	7	4	3	<u>1</u>	4	5	5	4	12
7	3	5	8	8	7	5	2	<u>2</u>	<u>2</u>	4	6	6
8	10	6	5	10	13	2	2	2	4	4	5	8
9	5	6	10	6	4	4	4	2	4	3	5	2
10	3	7	5	7	6	3	3	3	5	3	2	8
11	<u>2</u>	3	4	8	7	4	5	4	6	5	2	10
12	7	8	4	5	2	8	7	3	4	9	3	7
13	4	7	7	4	5	5	9	5	3	6	4	5
14	3	3	<u>2</u>	<u>3</u>	4	8	4	4	3	5	8	4
15	4	4	10	4	7	6	2	9	4	7	7	4
16	21	6	14	4	6	11	3	6	5	4	11	2
17	15	4		4	6	5	3	4	3	<u>2</u>	6	4
18	6	4		6	7	3	4	5	3	4	3	3
19	4	12		11	<u>2</u>	<u>2</u>	3	6	3	7	<u>2</u>	2
20	5	8		4	6	8	4	3	4	7	3	4
21	3	5		4	4	4	4	6	5	5	4	2
22	6	2	5	5	4	5	4	6	4	3	3	3
23	5	3	4	5	7	7	4	4	3	5	2	3
24	10	6	4	4	9	4	7	7	4	10	4	2
25	9	3	9	4	9	5	5	5	4	3	5	3
26	3	4	10	4	6	3	5	3	9	7	17	7
27	5	3	4	6	3	3	4	4	3	13	9	9
28	9	2	4	7	5	5	3	4	4	3	16	15
29	4	3	6	9	4	4	2	3	4	4	6	6
30	8	<u>2</u>		4	3	3	3	3	5	3	2	11
31	3	5		8		4		4	4		18	
1951-2011	23.9	26.0	25.9	22.1	16.5	18.3	19.3	18.0	18.1	19.9	22.0	23.7
Data	1	28	27	4	16	20	13	8	7	1	27	28
	1977	1978	1995	2009	1991	1984	1982	1996	1978	1992	1959	1981
min	2	2	2	3	2	2	1	2	2	2	2	2
giorno	11	30	14	14	19	19	6	7	7	17	19	3
Max	21	24	14	11	13	11	9	9	9	13	18	15
giorno	16	5	16	19	8	16	13	15	26	27	31	28

Tab. XVIII. Percorsi giornalieri del vento e loro totali decadici mensili (km).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	88.9	78.1	172.3	69.1	162.1	198.5	112.1	<u>97.0</u>	99.1	268.7	130.7	85.4
2	99.5	115.1	206.9	78.6	112.9	189.1	196.3	368.4	191.9	149.6	92.6	92.8
3	104.1	94.4	174.5	111.2	<u>91.1</u>	128.0	119.9	133.2	108.5	158.3	88.9	99.3
4	90.2	158.2	155.4	<u>56.2</u>	116.0	211.4	156.4	206.6	191.0	116.7	73.7	138.9
5	116.3	138.3	164.8	455.6	101.6	131.5	127.1	300.4	212.9	177.5	78.7	130.7
6	112.7	413.2	206.2	119.0	102.7	170.3	191.8	232.0	174.5	103.7	71.2	149.0
7	92.2	95.8	156.3	78.9	127.4	110.9	<u>70.9</u>	114.7	114.5	82.4	81.8	91.7
8	109.0	222.5	106.1	123.1	222.3	217.6	147.1	199.8	92.3	86.6	120.0	87.2
9	86.5	84.4	120.1	226.4	162.0	138.7	156.5	110.2	94.3	103.7	88.4	91.9
10	83.6	91.3	245.0	103.4	141.7	101.6	163.9	128.3	160.3	79.6	79.7	260.0
<i>1° Dec</i>	<i>982.9</i>	<i>1491.2</i>	<i>1707.6</i>	<i>1421.6</i>	<i>1339.8</i>	<i>1597.6</i>	<i>1442.2</i>	<i>1890.5</i>	<i>1439.2</i>	<i>1326.9</i>	<i>905.8</i>	<i>1226.9</i>
11	103.0	69.5	168.2	82.0	223.8	100.5	171.0	154.5	140.6	85.0	76.6	95.6
12	94.1	73.4	164.8	119.1	139.6	128.6	158.2	150.2	173.9	206.1	140.9	88.4
13	105.6	<u>61.7</u>	155.8	111.5	116.9	216.5	114.4	135.8	143.0	348.9	128.9	81.5
14	150.4	92.6	120.4	64.7	192.2	197.0	93.8	167.3	116.4	151.8	130.0	154.1
15	103.7	109.6	186.9	84.6	208.0	257.5	111.1	236.6	97.2	100.7	255.7	175.4
16	298.9	120.7	150.4	75.8	104.0	549.4	97.8	179.8	138.4	93.8	137.1	122.7
17	194.2	98.4	89.3	77.3	154.3	171.8	96.5	105.2	122.3	99.4	113.6	113.5
18	105.4	80.1	84.1	224.5	248.0	104.7	217.5	117.5	106.1	81.6	79.7	108.1
19	185.6	83.1	79.4	298.0	105.2	103.3	168.2	119.6	97.1	183.6	90.9	91.0
20	106.4	191.5	191.5	113.1	125.0	147.5	230.6	155.2	110.9	129.8	85.6	71.1
<i>2° Dec</i>	<i>1447.4</i>	<i>980.6</i>	<i>1390.8</i>	<i>1250.5</i>	<i>1616.9</i>	<i>1976.9</i>	<i>1459.2</i>	<i>1521.5</i>	<i>1245.9</i>	<i>1480.7</i>	<i>1238.9</i>	<i>1101.4</i>
21	113.5	199.0	73.2	111.4	109.4	168.5	145.6	141.9	128.2	82.6	87.2	82.5
22	105.0	80.2	71.2	83.4	141.4	152.4	100.1	181.9	138.8	90.5	79.6	65.6
23	87.4	108.9	<u>68.8</u>	92.2	152.8	<u>79.1</u>	151.1	146.4	203.2	<u>76.4</u>	<u>68.0</u>	<u>64.1</u>
24	324.0	165.2	69.8	108.4	221.3	124.4	91.9	174.9	136.3	124.6	72.1	78.4
25	107.7	70.2	75.4	108.9	123.7	155.0	160.8	132.2	168.1	118.5	76.0	80.4
26	100.6	93.5	247.3	120.1	255.2	114.0	162.3	123.4	244.8	254.6	71.3	155.9
27	82.9	113.8	134.4	113.5	163.6	103.0	122.2	240.5	119.1	186.5	217.2	518.6
28	75.8	110.0	86.2	98.9	95.6	133.4	159.9	211.3	<u>89.2</u>	105.8	229.0	273.6
29	<u>72.8</u>	116.6	69.7	100.4	248.6	104.3	138.2	98.4	134.6	95.5	114.4	146.9
30	181.9	143.6		206.5	257.0	167.5	118.7	114.2	170.6	164.4	132.2	129.7
31	113.2	180.7		131.6		131.3		119.5	305.6		251.6	
<i>3° Dec</i>	<i>1364.8</i>	<i>1381.7</i>	<i>896.0</i>	<i>1275.3</i>	<i>1768.8</i>	<i>1432.9</i>	<i>1350.7</i>	<i>1684.5</i>	<i>1838.5</i>	<i>1299.3</i>	<i>1398.7</i>	<i>1595.8</i>
2012	3795.0	3853.6	3994.5	3947.4	4725.5	5007.4	4252.0	5096.6	4523.6	4106.9	3543.5	3924.1
1997-2011	3917.3	3580.7	3245.8	4089.8	4522.5	4390.4	4256.2	4517.8	4176.0	3686.8	3549.8	3983.4
Max	324.0	413.2	247.3	455.6	257.0	549.4	230.6	368.4	305.6	348.9	255.7	518.6
giorno	24	6	26	5	30	16	20	2	31	13	15	27

Tab. XIX. Direzioni di provenienza del vento prevalenti nel giorno.

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	WNW	W	ESE	NE	Var	WNW	SE	W	W	NE	Var	W
2	WNW	W	ESE	NE	SE	W	SE	WNW	W	NE	NE	ENE
3	WNW	NNE	ESE	SE	NE	SE	SE	W	WNW	NE	W	Var
4	W	NE	SSE	NE	W	SE	Var	W	W	NE	W	W
5	W	NE	WNW	WNW	W	NE	SE	WNW	W	NE	WSW	NNE
6	NE	WNW	W	W	SE	NE	W	W	W	NE	SW	Var
7	NNE	NE	Var	NE	ENE	NE	W	NE	NNE	NE	SW	Var
8	W	NE	WNW	N	NE	WNW	WNW	WNW	NE	NE	SE	W
9	W	W	WNW	W	SE	SE	NE	WNW	SW	NE	S	W
10	W	WNW	SE	NE	SE	SE	NE	W	SE	NE	W	W
11	WNW	Var	SE	SSW	NE	SE	W	NE	SE	NE	W	NE
12	WNW	WNW	SE	NE	S	NE	ENE	NE	SE	NE	SE	NE
13	NE	W	WNW	SE	NE	S	W	NE	SE	NE	NE	W
14	NE	NE	WNW	S	W	SE	S	W	NE	WNW	SE	WNW
15	WNW	NE	NW	SSE	WNW	SE	SE	Var	SW	NE	WNW	WNW
16	WNW	NE	SE	Var	NE	WNW	S	SSW	NE	NE	NNE	WNW
17	NNE	NE	W	NE	SE	SE	NE	S	SE	SE	NE	WNW
18	Var	NNE	NE	W	W	SE	W	SE	SE	NE	NE	WNW
19	NE	W	WSW	NE	NE	NE	WNW	S	SE	WNW	NE	NE
20	WNW	NE	ESE	W	NE	W	WNW	S	NE	SE	NE	W
21	NNE	NE	SSW	NE	NE	W	W	NE	WNW	NE	NE	W
22	NE	W	W	NE	NE	SE	SSW	Var	W	SW	W	W
23	NE	SE	NE	NE	ENE	W	NE	SE	W	NE	SSW	W
24	WNW	NNE	SSW	SE	W	SE	WSW	NE	NE	NE	NE	NE
25	W	SW	NE	Var	W	S	NE	SE	NE	WNW	NE	NE
26	WNW	NE	NE	SE	WNW	SE	S	SE	NNE	ESE	NE	W
27	WNW	NE	Var	SE	WNW	S	SE	W	SSW	S	WNW	WNW
28	WNW	WNW	SE	Var	Var	SE	SE	W	SW	SW	NE	W
29	WNW	W	NE	Var	WNW	SW	S	W	W	NE	NE	WNW
30	NE	ESE		NE	WNW	SE	SE	NE	WNW	W	WNW	W
31	NE	ESE		Var		SE		SSW	NE		WNW	
2012	WNW	NE	WNW	NE	NE	SE	SE	W	W	NE	NE	W
1997-2011	W	W	W	ESE	ESE	ESE	ESE	NNE	NNE	NNE	W	W

Tab. XX. Raffiche massime del vento superiori ai 30 km h⁻¹.

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	/	/	/	/	41	43	/	/	/	45	/	33
2	/	/	32	/	/	36	/	50	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/
4	/	47	/	/	/	37	30	55	44	/	/	/
5	33	40	/	60	/	49	/	41	41	/	/	/
6	/	54	/	41	31	32	/	53	43	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/
8	/	45	/	32	52	32	/	32	/	/	/	/
9	/	/	51	35	/	/	/	/	/	/	/	/
10	/	/	44	/	/	/	39	56	/	/	/	37
11	/	/	/	/	32	/	35	/	/	/	/	/
12	/	/	/	/	/	32	/	/	/	42	/	/
13	/	/	/	/	/	31	/	/	/	53	/	/
14	/	/	/	/	32	/	/	41	/	/	/	/
15	/	/	54	/	/	66	/	44	/	/	44	/
16	63	/	35	/	/	73	/	34	/	/	/	/
17	52	/	/	/	/	/	/	/	/	/	/	/
18	/	/	/	45	/	/	63	/	/	/	/	/
19	31	/	/	44	/	/	32	/	/	33	/	/
20	/	46	31	/	/	/	36	34	/	/	/	/
21	/	31	/	/	38	32	43	/	/	/	/	/
22	/	/	/	/	/	/	/	38	40	/	/	/
23	/	/	/	/	/	/	56	/	59	/	/	/
24	71	54	/	/	40	/	/	/	59	/	/	/
25	/	/	/	/	/	31	36	/	108	/	/	/
26	/	/	54	/	31	/	/	/	53	72	/	/
27	/	/	/	/	/	/	/	48	/	40	50	51
28	/	/	/	/	/	/	/	59	/	/	59	38
29	/	/	/	31	36	/	/	/	37	/	/	/
30	37	/	/	45	35	/	/	/	/	40	/	/
31	/	/	/	/	/	/	/	/	49	/	49	/
1997-2011	82.1	79.2	79.6	87.1	73.8	75.6	86.8	96.1	101.0	68.8	85.0	82.4
Data	17	28	9	12	12	30	28	13	17	4	7	19
	2006	2003	2000	2006	2011	2006	2006	2011	2000	2009	2011	2004
Max	70.9	54.4	54.4	59.8	52.2	73.1	62.6	58.7	107.6	72.0	59.4	51.1
giorno	24	g.d.	26	5	8	16	18	28	25	26	28	27

Tab XXI. Frequenze percentuali del vento ripartite nel tempo e secondo le direzioni di provenienza.

km giorno ⁻¹	Dic	Gen	Feb	Mar	Apr	Mag	Giu	Lug	Ago	Set	Ott	Nov	2012	1997-2011
NNW	/	/	/	/	/	/	/	/	/	/	/	/	/	0.18
NW	/	/	3.45	/	/	/	/	/	/	/	/	/	0.27	0.22
WNW	41.94	12.90	17.24	3.23	16.67	9.68	10.00	12.90	9.68	10.00	12.90	23.33	15.03	5.37
W	19.35	22.58	10.34	12.90	20.00	12.90	20.00	29.03	25.81	3.33	16.13	43.33	19.67	27.06
WSW	/	/	3.45	/	/	/	3.33	/	/	/	3.23	/	0.82	7.98
SW	/	3.23	/	/	/	3.23	/	/	9.68	6.67	6.45	/	2.46	2.14
SSW	/	/	6.90	3.23	/	/	3.33	6.45	3.23	/	3.23	/	2.19	1.86
S	/	/	/	3.23	3.33	9.68	13.33	9.68	/	3.33	3.23	/	3.83	2.30
SSE	/	/	3.45	3.23	/	/	/	/	/	/	/	/	0.55	2.50
SE	/	3.23	17.24	16.13	16.67	48.39	26.67	12.90	22.58	6.67	9.68	/	15.03	5.37
ESE	/	6.45	13.79	/	/	/	/	/	/	3.33	/	/	1.91	12.21
E	/	/	/	/	/	/	/	/	/	/	/	/	/	0.60
ENE	/	/	/	/	6.67	/	3.33	/	/	/	/	3.33	1.09	0.49
NE	25.81	38.71	17.24	38.71	30.00	16.13	16.67	22.58	22.58	66.67	38.71	16.67	29.23	7.54
NNE	9.68	9.68	/	/	/	/	/	/	6.45	/	3.23	3.33	2.73	18.00
N	/	/	/	3.23	/	/	/	/	/	/	/	/	0.27	1.94
var.	3.23	3.23	6.90	16.13	6.67	/	3.33	6.45	/	/	3.23	10.00	4.92	4.22
%	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Tab. XXII. Frequenze percentuali del vento ripartite nel tempo e secondo alcune classi di intensità.

km giorno ⁻¹	0 - 30	30.1 - 60	60.1 - 100	100.1 - 150	150.1 - 200	200.1 - 300	> 300	var.	%
Dic	/	/	34.38	43.75	12.50	3.13	3.13	3.13	100
Gen	/	/	46.88	28.13	15.63	3.13	3.13	3.13	100
Feb	/	/	32.26	12.90	35.48	12.90	/	6.45	100
Mar	/	2.78	30.56	38.89	/	11.11	2.78	13.89	100
Apr	/	/	6.25	43.75	18.75	25.00	/	6.25	100
Mag	/	/	3.23	51.61	29.03	12.90	3.23	/	100
Giu	/	/	16.13	35.48	38.71	6.45	/	3.23	100
Lug	/	/	6.06	42.42	24.24	15.15	6.06	6.06	100
Ago	/	/	19.35	45.16	22.58	9.68	3.23	/	100
Set	/	/	36.67	30.00	20.00	10.00	3.33	/	100
Ott	/	/	56.25	28.13	/	12.50	/	3.13	100
Nov	/	/	48.48	24.24	9.09	6.06	3.03	9.09	100
2012	/	0.26	28.13	35.42	18.49	10.68	2.34	4.69	100
1997-2011	0.83	4.58	29.66	34.34	14.66	8.74	3.14	4.05	100

Tab. XXIII. Frequenze percentuali del vento ripartite secondo le direzioni di provenienza e per classi di intensità.

km giorno ⁻¹	0 - 30	30.1 - 60	60.1 - 100	100.1 - 150	150.1 - 200	200.1 - 300	> 300	variabili	%
NNW	/	/	/	/	/	/	/	=	0.00
NW	/	/	/	/	0.27	/	/	=	0.27
WNW	/	/	2.19	5.19	3.01	2.73	1.91	=	15.03
W	/	/	7.65	5.19	3.01	3.83	/	=	19.67
WSW	/	/	0.82	/	/	/	/	=	0.82
SW	/	/	1.91	0.55	/	/	/	=	2.46
SSW	/	/	1.09	0.82	0.27	/	/	=	2.19
S	/	/	1.09	1.37	1.09	0.27	/	=	3.83
SSE	/	/	0.27	/	0.27	/	/	=	0.55
SE	/	/	0.82	9.84	3.55	0.82	/	=	15.03
ESE	/	/	/	0.27	1.09	0.55	/	=	1.91
E	/	/	/	/	/	/	/	=	0.00
ENE	/	/	0.27	0.27	0.55	/	/	=	1.09
NE	/	0.27	10.93	10.38	4.64	2.46	0.55	=	29.23
NNE	/	/	0.82	1.09	0.55	0.27	/	=	2.73
N	/	/	/	0.27	/	/	/	=	0.27
Var.	/	/	1.64	1.91	1.09	0.27	/		4.92
2012	/	0.27	29.51	37.16	19.40	11.20	2.46	=	100.0
1997-2011	0.83	4.58	29.66	34.34	14.66	8.74	3.14	4.05	100.0

Tab. XXIV. Totale giornaliero, decadico e mensile dell'evaporazione (mm).

	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	0.8	0.4	0.7	2.6	2.4	0.3	10.4	5.1	5.2	3.4	1.5	1.0
2	0.8	0.2	<u>0.0</u>	2.3	1.5	3.4	5.8	4.7	5.9	3.9	2.7	1.3
3	0.6	0.6	0.4	1.6	1.0	4.2	1.3	5.0	5.2	1.2	0.2	0.7
4	1.1	2.2	1.3	<u>0.0</u>	<u>0.0</u>	3.5	7.5	3.7	5.7	0.9	0.3	<u>0.0</u>
5	2.5	1.3	0.5	<u>0.0</u>	0.1	0.3	7.1	4.5	6.6	4.1	1.7	1.2
6	1.6	4.8	0.8	<u>0.0</u>	2.2	2.0	3.3	3.5	2.2	4.0	2.1	2.5
7	1.6	1.9	0.6	1.7	2.2	1.6	1.3	5.0	5.7	3.7	2.2	2.4
8	1.0	2.8	0.7	2.7	3.6	4.0	<u>0.1</u>	5.6	5.5	4.0	2.1	1.1
9	1.3	1.0	0.7	4.3	<u>0.0</u>	5.9	2.3	4.8	4.5	4.5	1.9	1.2
10	0.6	1.5	1.6	3.0	0.5	6.1	2.4	3.3	6.6	4.5	0.7	<u>0.0</u>
<i>1° dec</i>	<i>11.9</i>	<i>16.7</i>	<i>7.3</i>	<i>18.2</i>	<i>13.5</i>	<i>31.3</i>	<i>41.5</i>	<i>45.2</i>	<i>53.1</i>	<i>34.2</i>	<i>15.4</i>	<i>11.4</i>
11	<u>0.0</u>	1.1	1.5	1.9	0.4	5.8	3.2	3.8	6.4	4.3	0.4	0.5
12	0.6	0.6	0.8	2.4	2.2	4.5	1.6	7.5	6.2	1.4	0.9	1.1
13	0.9	0.9	0.7	4.1	1.3	4.1	4.5	4.6	<u>0.6</u>	9.6	0.5	0.9
14	0.3	1.2	1.0	2.7	1.1	5.8	4.3	3.6		7.3	<u>0.0</u>	1.9
15	0.7	1.1	2.4	3.3	<u>0.0</u>	4.6	6.0	6.9	1.2	5.0	0.1	1.5
16	2.5	0.8	2.5	2.7	1.7	15.3	6.6	10.0	5.3	1.5	2.2	1.6
17	1.3	0.5	1.4	0.9	5.3	7.4	3.6	6.9	5.8	2.7	0.8	0.4
18	0.7	0.3	1.3	0.2	<u>0.0</u>	3.0	4.4	7.9	6.0	2.6	1.0	0.7
19	1.8	1.2	0.3	1.9	0.1	2.8	7.7	5.6	6.0	2.4	1.2	1.2
20	1.1	1.8	0.9	3.3	2.9	0.3	2.0	<u>2.2</u>	4.6	4.8	1.6	1.1
<i>2° dec</i>	<i>9.9</i>	<i>9.5</i>	<i>12.8</i>	<i>23.4</i>	<i>15.0</i>	<i>53.6</i>	<i>43.9</i>	<i>59.0</i>	<i>42.1</i>	<i>41.6</i>	<i>8.7</i>	<i>10.9</i>
21	1.4	1.8	1.4	4.2	3.5	<u>0.0</u>	5.3	4.1	4.6	2.2	2.0	0.7
22	1.1	0.9	1.8	4.1	3.6	4.3	6.6	8.2	5.9	3.3	1.5	0.5
23	0.9	0.5	0.8	2.6	2.0	2.5	5.9	7.5	4.1	1.1	1.8	0.9
24	3.6	2.7	2.0	4.4	2.5	6.7	4.2	8.2	4.6	0.5	1.5	0.7
25	2.2	1.6	2.9	3.7	2.7	6.0	6.1	6.9	2.8	<u>0.0</u>	1.2	0.9
26	0.8	1.1	4.9	4.7	1.7	4.2	6.1	7.4	8.8	0.8	<u>0.0</u>	<u>0.0</u>
27	0.6	1.0	4.5	4.7	6.1	2.5	7.0	5.4	7.9	2.0	1.0	<u>0.0</u>
28	0.5	0.2	2.1	4.4	3.3	2.6	5.5	6.0	4.0	3.1	1.5	<u>0.0</u>
29	0.5	<u>0.0</u>	1.8	5.2	0.4	<u>0.0</u>	4.4	4.8	4.8	0.3	2.5	0.8
30	1.5	0.2		7.3	0.5	2.7	7.1	5.7	2.2	<u>0.0</u>	1.3	2.5
31	1.3	0.2		6.7		4.5		5.0	4.0		0.9	
<i>3° dec</i>	<i>14.4</i>	<i>10.2</i>	<i>22.2</i>	<i>52.0</i>	<i>26.3</i>	<i>36.0</i>	<i>58.2</i>	<i>69.2</i>	<i>53.7</i>	<i>13.3</i>	<i>15.2</i>	<i>7.0</i>
2012	36.2	36.4	42.3	93.6	54.8	120.9	143.6	173.4	148.9	89.1	39.3	29.3
1957-2011	28.9	31.8	43.4	81.5	109.0	131.3	155.9	181.6	149.8	93.7	54.6	34.0
min	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.2	0.6	0.0	0.0	0.0
giorno	11	29	2	g.d.	g.d.	g.d.	8	20	13	g.d.	g.d.	g.d.
Max	3.6	4.8	4.9	7.3	6.1	15.3	10.4	10.0	8.8	9.6	2.7	2.5
giorno	24	6	26	30	27	16	1	16	26	13	2	gd

Tab. XXV. Livelli giornalieri del Lago Maggiore, letti alle ore 12, e loro medie decadiche e mensili (m s.l.m.).

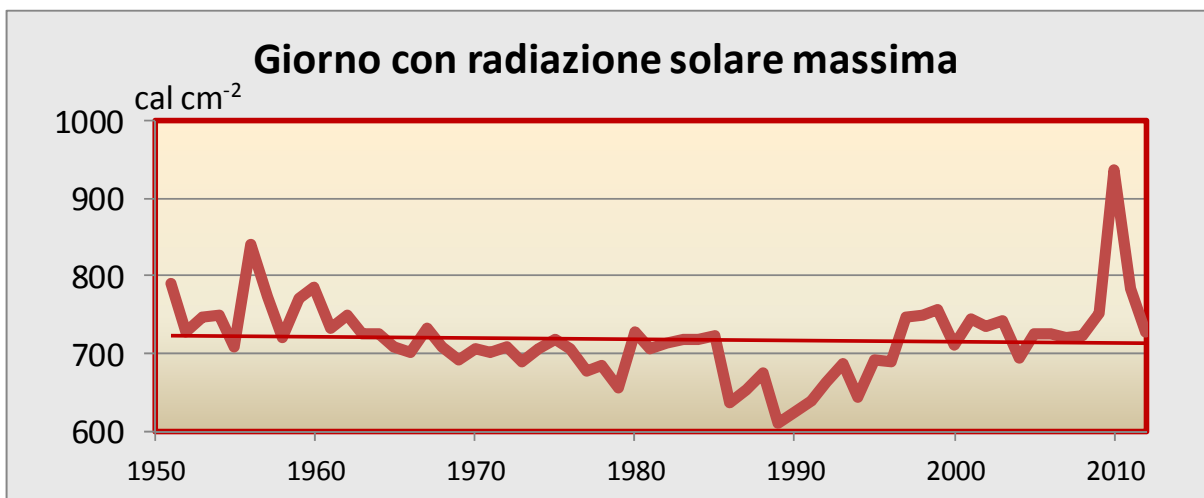
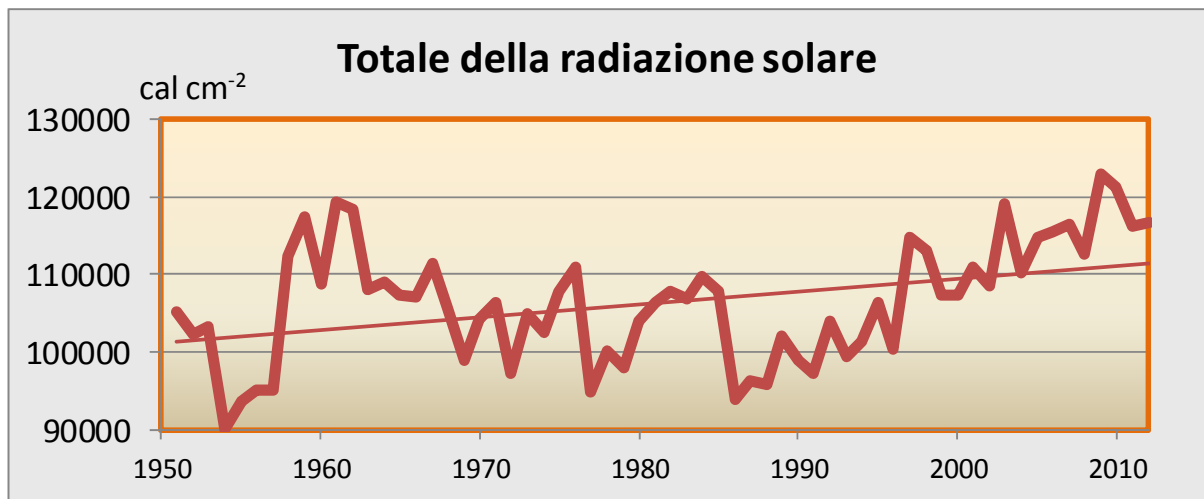
	DIC	GEN	FEB	MAR	APR	MAG	GIU	LUG	AGO	SET	OTT	NOV
1	194.49	193.89	193.43	<u>193.16</u>	<u>193.73</u>	194.71	194.46	194.35	193.86	193.26	193.82	<u>193.81</u>
2	194.48	193.87	193.43	193.18	193.74	194.89	194.47	194.34	193.82	193.23	193.77	193.83
3	194.47	193.86	193.42	193.19	193.76	194.85	194.48	194.39	193.78	193.20	193.72	193.84
4	194.45	193.84	193.41	193.19	193.80	194.75	194.64	194.40	193.75	193.18	193.70	193.87
5	194.42	193.83	193.40	193.22	193.87	194.72	194.58	194.41	193.76	193.15	193.70	193.96
6	194.41	193.82	193.39	193.27	193.91	194.78	194.46	194.45	193.78	193.14	193.70	194.01
7	194.40	193.80	193.38	193.28	193.92	194.74	194.38	194.54	193.86	193.08	193.68	194.03
8	194.38	193.77	193.38	193.29	193.92	194.67	<u>194.36</u>	194.54	193.87	193.07	<u>193.67</u>	194.05
9	194.35	193.73	193.38	193.30	193.90	194.58	194.41	194.54	193.86	193.05	193.67	194.07
10	194.34	193.71	193.37	193.31	193.90	194.53	194.45	194.54	193.84	193.03	193.68	194.10
<i>1° dec</i>	<i>194.42</i>	<i>193.81</i>	<i>193.40</i>	<i>193.24</i>	<i>193.84</i>	<i>194.72</i>	<i>194.47</i>	<i>194.45</i>	<i>193.82</i>	<i>193.14</i>	<i>193.71</i>	<i>193.96</i>
11	194.31	193.68	193.37	193.30	193.96	194.51	194.46	194.52	193.82	193.02	193.69	194.27
12	194.29	193.66	193.35	193.30	194.00	194.51	194.48	194.47	193.77	193.02	193.70	194.41
13	194.27	193.65	193.34	193.30	194.03	194.51	194.48	194.41	193.72	193.01	193.72	194.44
14	194.26	193.63	193.33	193.31	194.03	194.49	194.45	194.37	193.70	192.98	193.74	194.43
15	194.24	193.60	193.32	193.32	194.05	194.46	194.45	194.33	193.67	192.95	193.93	194.42
16	194.23	193.58	193.31	193.33	194.07	194.45	194.46	194.28	193.64	192.92	193.98	194.40
17	194.22	193.56	193.32	193.34	194.08	194.46	194.45	194.26	193.61	192.89	193.91	194.38
18	194.20	193.55	193.34	193.35	194.11	194.46	194.45	194.24	193.57	192.88	193.86	194.35
19	194.19	193.54	193.38	193.43	194.14	194.45	194.46	194.22	193.52	192.88	193.83	194.33
20	194.18	193.53	193.36	193.50	194.16	<u>194.43</u>	194.48	194.21	193.48	192.87	193.81	194.36
<i>2° dec</i>	<i>194.24</i>	<i>193.60</i>	<i>193.34</i>	<i>193.35</i>	<i>194.06</i>	<i>194.47</i>	<i>194.46</i>	<i>194.33</i>	<i>193.65</i>	<i>192.94</i>	<i>193.82</i>	<i>194.38</i>
21	194.17	193.52	193.24	193.53	194.16	194.49	194.51	194.20	193.45	192.85	193.78	194.38
22	194.15	193.50	193.23	193.56	194.15	194.50	194.53	194.16	193.40	192.84	193.75	194.40
23	194.13	193.47	193.22	193.59	194.13	194.47	194.53	194.11	193.36	<u>192.83</u>	193.77	194.41
24	194.11	193.47	193.21	193.61	194.23	194.47	194.52	194.09	193.33	192.86	193.79	194.41
25	194.08	193.46	193.21	193.64	194.28	194.48	194.49	194.06	193.33	192.93	193.81	194.37
26	194.05	193.45	193.20	193.66	194.29	194.49	194.47	194.03	193.38	193.11	193.83	194.35
27	194.02	193.44	193.18	193.67	194.30	194.48	194.43	194.00	193.36	193.78	193.83	194.45
28	193.99	193.44	193.18	193.69	194.30	194.47	194.40	193.97	193.33	193.95	193.80	194.64
29	193.97	193.45	<u>193.17</u>	193.71	194.35	194.46	194.39	193.95	193.30	193.91	193.77	194.76
30	193.96	193.44		193.73	194.44	194.44	194.37	193.92	<u>193.26</u>	193.87	193.77	194.70
31	<u>193.93</u>	<u>193.44</u>		193.74		194.44		<u>193.89</u>	193.27		193.78	
<i>3° dec</i>	<i>194.05</i>	<i>193.46</i>	<i>193.20</i>	<i>193.65</i>	<i>194.26</i>	<i>194.47</i>	<i>194.46</i>	<i>194.03</i>	<i>193.34</i>	<i>193.29</i>	<i>193.79</i>	<i>194.49</i>
2012	194.24	193.62	193.32	193.41	194.06	194.56	194.47	194.27	193.60	193.12	193.77	194.27
1952-2011	194.04	193.90	193.78	193.71	193.82	194.06	194.09	193.95	193.63	193.63	193.83	194.01
min	193.93	193.44	193.17	193.16	193.73	194.43	194.36	193.89	193.26	192.83	193.67	193.81
giorno	31	31	29	1	1	20	8	31	30	23	8	1
Max	194.49	193.89	193.43	193.74	194.44	194.89	194.64	194.54	193.87	193.95	193.98	194.76
giorno	1	1	1	31	30	2	4	10	8	28	16	29

Tabelle riassuntive e grafici

Radiazione solare cal cm ⁻²	2012				1951-2011						
	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
totale annuo	116557			7	106292	122779	2009	90145	1954		
totale invernale	15626			1	12045	14822	2008	7257	1955		
totale primaverile	34940			17	32600	42513	2011	25266	1986		
totale estivo	46162			11	42781	53277	2010	35716	1977		
totale autunnale	19829			21	18866	23669	2011	14215	1953		
mese con radiazione minima	3824	Dic		135				1978	1951	Dic	
mese con radiazione massima	16676	Lug		17		20874	2010			Lug	
giorno con radiazione minima	0.0	Nov	28	1				0.0	a.d.	m.d.	g.d.
giorno con radiazione massima	728.6	Mag	16	67		937.2	2010			Giu	7

(1): in grassetto rosso valore superiore alla media pluriennale

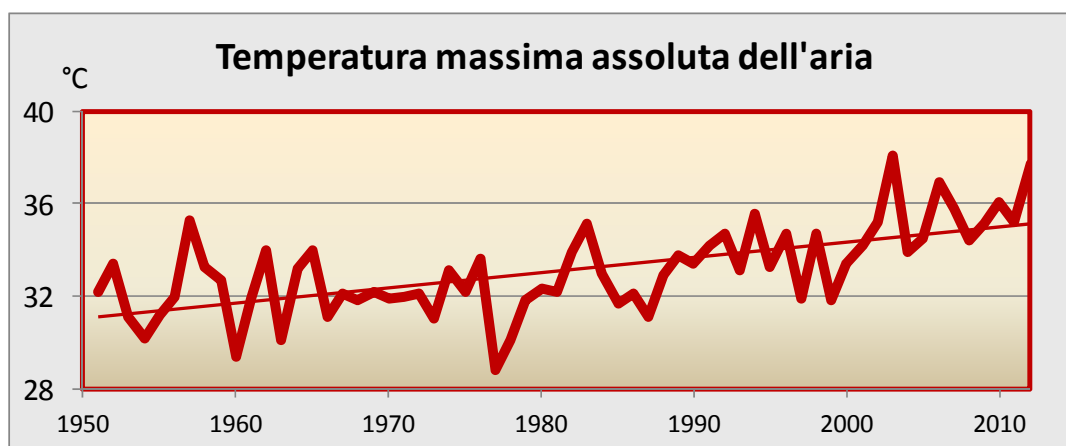
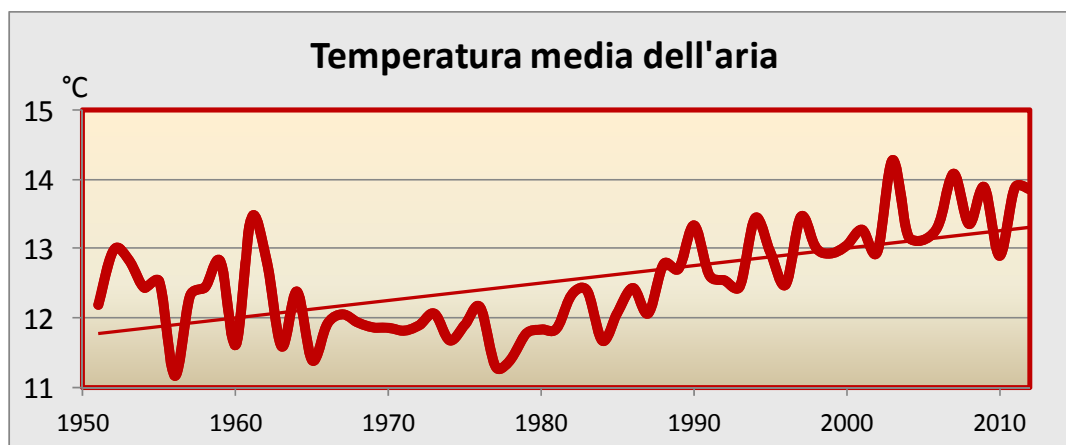
(2): in grassetto rosso posizione entro il 10° percentile

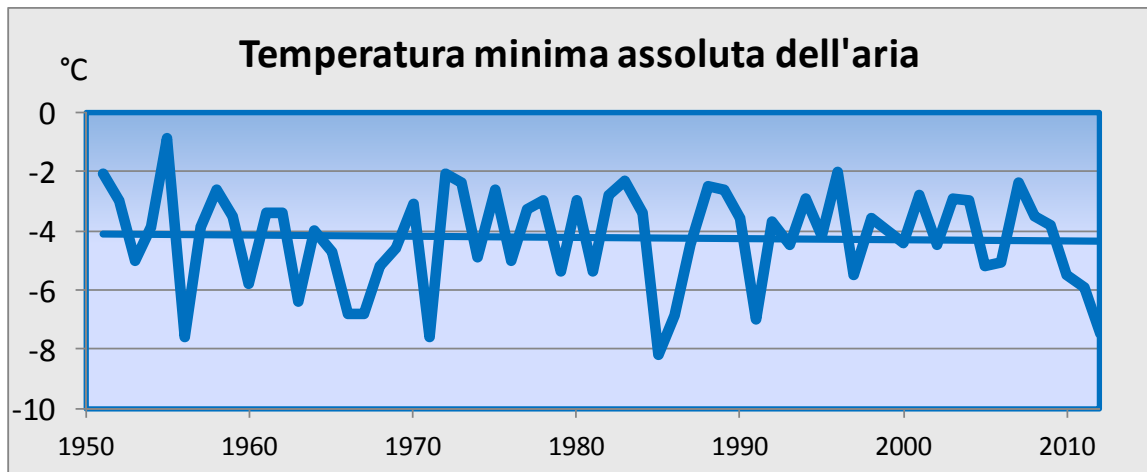


Temperatura dell'aria °C	2012				1951-2011						
	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
media annua	13.85			5	12.51	14.27	2003	11.16	1956		
media invernale	3.76			30	3.66	5.86	2007	2.16	1963		
media primaverile	13.55			9	12.08	15.27	2007	10.00	1978		
media estiva	24.06			2	21.51	26.01	2003	18.83	1977		
media autunnale	14.03			7	12.79	14.89	2006	10.53	1974		
minima invernale	-7.5	Feb	4	5				-8.2	1985	Gen	6
minima primaverile	1.4	Mar	10	294				-7.1	1971	Mar	6
minima estiva	11.0	Giu	13	141				7.0	1978	Giu	18
minima autunnale	1.9	Ott	30	307				-3.6	1998	Nov	23
massima invernale	22.9	Feb	25	2		25.1	2007			Gen	19
massima primaverile	31.5	Mag	29	8		34.0	2009			Mag	25
massima estiva	37.7	Ago	22	2		38.1	2003			Ago	11
massima autunnale	31.0	Set	6	8		32.7	2011			Set	9
escursione annua assoluta	45.2			1		42.0	2006	32.1	a.d.		
escursione minima mensile	15.9	Nov		133				10.2	1972	Gen	
escursione massima mensile	30.4	Feb		2		32.8	2005			Mar	
escursione minima giornaliera	0.5	Nov	26	11				0.2	1955	Nov	9
escursione massima giornaliera	18.3	Feb	25	13		21.5	2007			Gen	19
escursione media annua	22.12			10		24.45	2006	16.59	1960		

(1): in grassetto rosso valore superiore alla media pluriennale

(2): in grassetto rosso posizione entro il 10° percentile

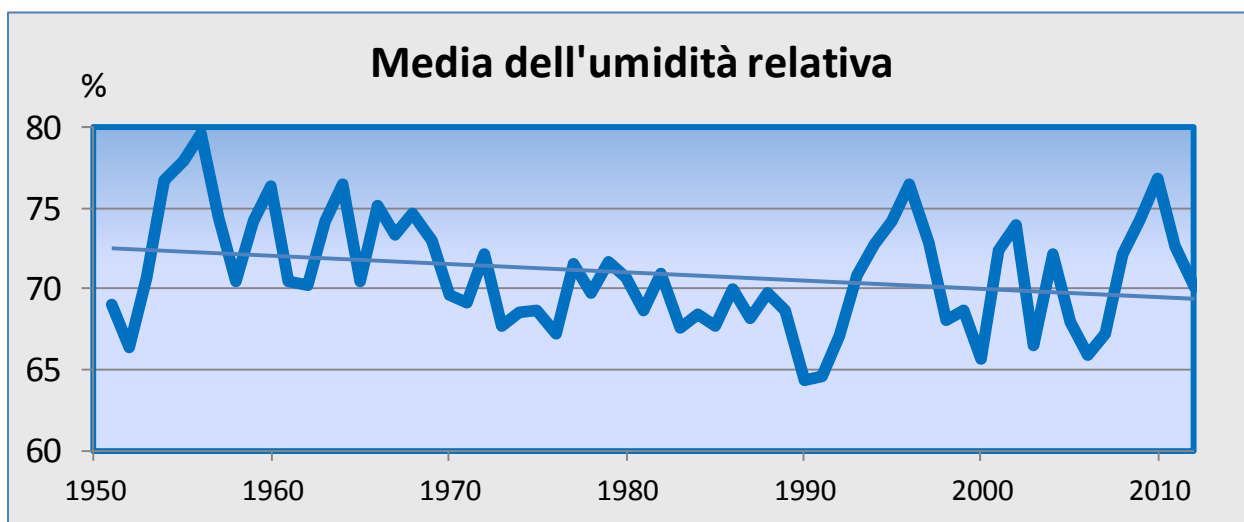




Umidità relativa	2012				1951-2011							
	%	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
media annua		70.91			27	70.94	79.62	1956	64.33	1990		
media invernale		70.08			50	74.02	87.72	1997	62.03	1952		
media primaverile		67.05			21	65.48	76.53	1964	56.17	1973		
media estiva		65.67			46	67.42	78.07	1956	54.64	2006		
media autunnale		80.85			14	76.83	84.30	1967	68.26	2007		
mese mediamente meno umido		61.62	Mar		91				47.90	1988	Mar	
mese mediamente più umido		85.58	Ott		23		95.06	1997			Gen	
giorno mediamente meno umido		24.67	Mag	16	167				5.33	1994	Apr	2

(1): in grassetto rosso valore superiore alla media pluriennale

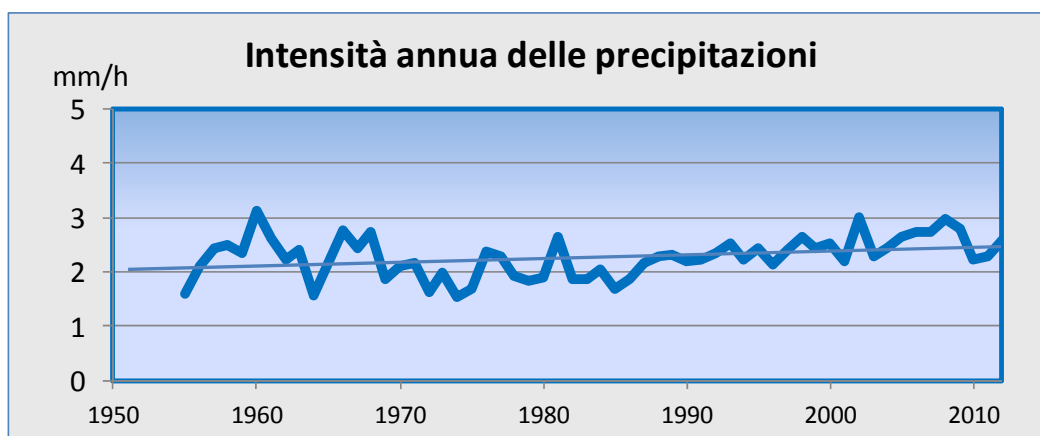
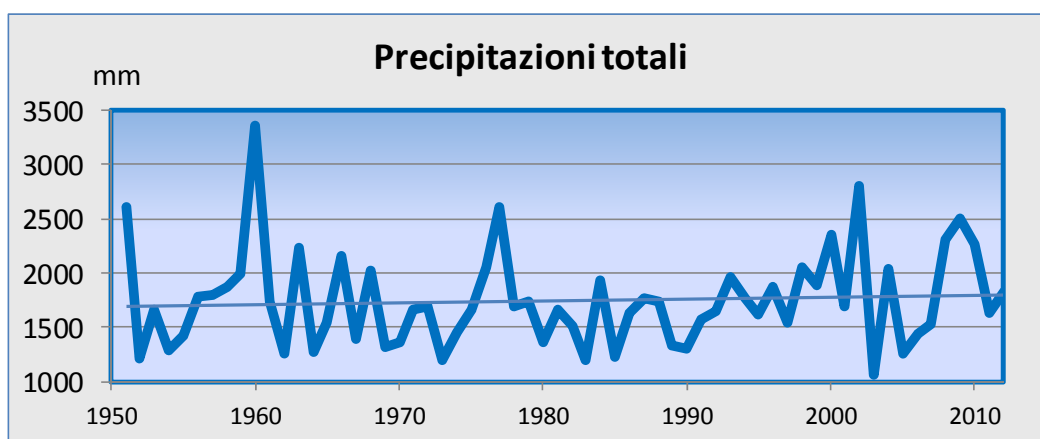
(2): in grassetto rosso posizione entro il 10° percentile

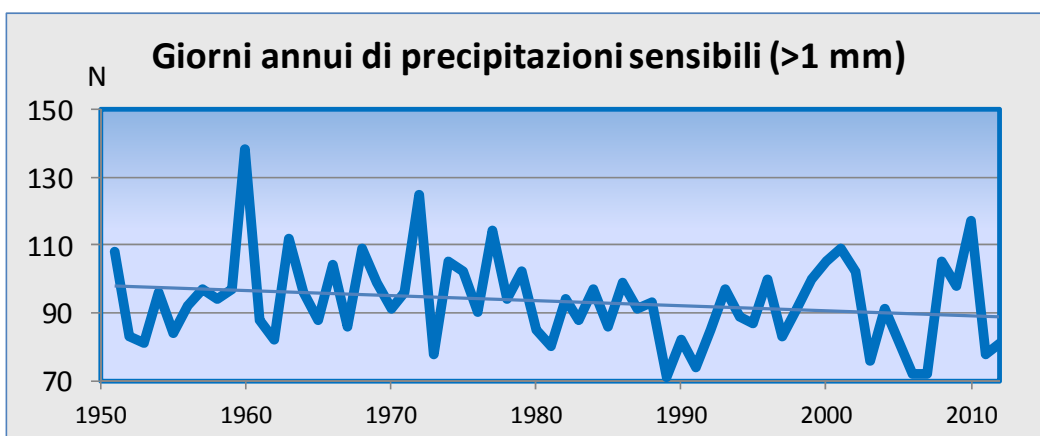
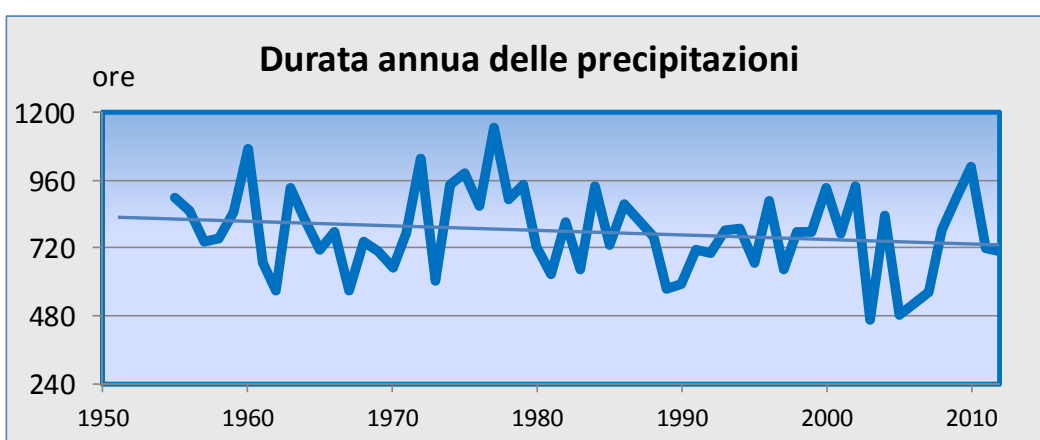
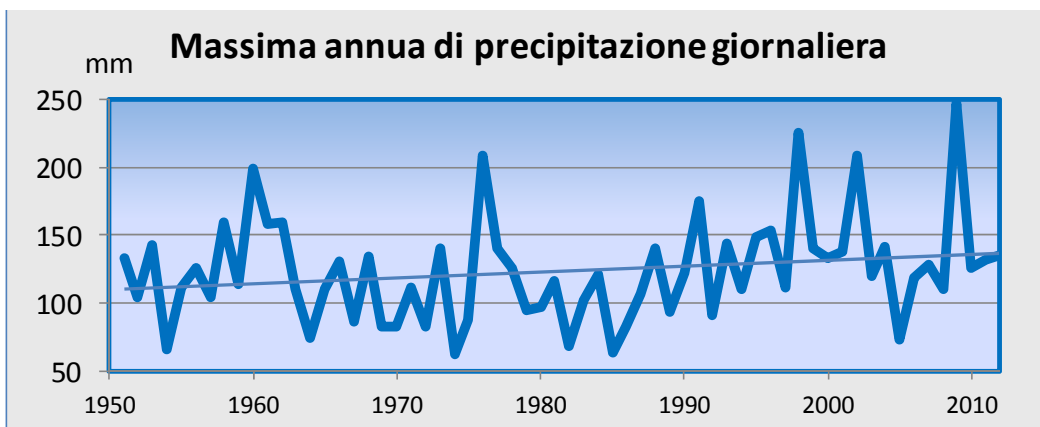


Precipitazioni mm	2012				1951-2011						
	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
Totale annua	1829.2			21	1746.6	3352.2	1960	1062.4	2003		
Totale invernale	81.8			54	229.5	539.4	2009	5.0	1981		
Totale primaverile	664.2			10	469.3	898.4	1986	107.0	2003		
Totale estiva	353.8			44	464.4	1058.6	1960	157.2	1991		
Totale autunnale	729.4			17	583.4	1347.2	1976	139.8	1986		
mese con precipitazioni minime	6.2	Feb		33				0.00		md	
mese con precipitazioni massime	388.6	Nov		36		824.40	2002			Nov	
giorno con precipitazioni massime	135.2	Nov	27	26		246.40	2009			Lug	17
numero di giorni con precip. sensibili (> 1 mm)	81			52	93.59	138.00	1960	71	1989		
numero di giorni a prevalente carattere nevoso (> 1 mm)											
numero di giorni con grandine (> 1 mm)											
durata annua delle precipitazioni (ore e min.)	707:11			41		1146:50	1977	465:28	2003		
mese con maggior durata (ore e min.)	157:19	Apr		30		334:00	1986			Apr	

(1): in grassetto rosso valore superiore alla media pluriennale

(2): in grassetto rosso posizione entro il 10° percentile

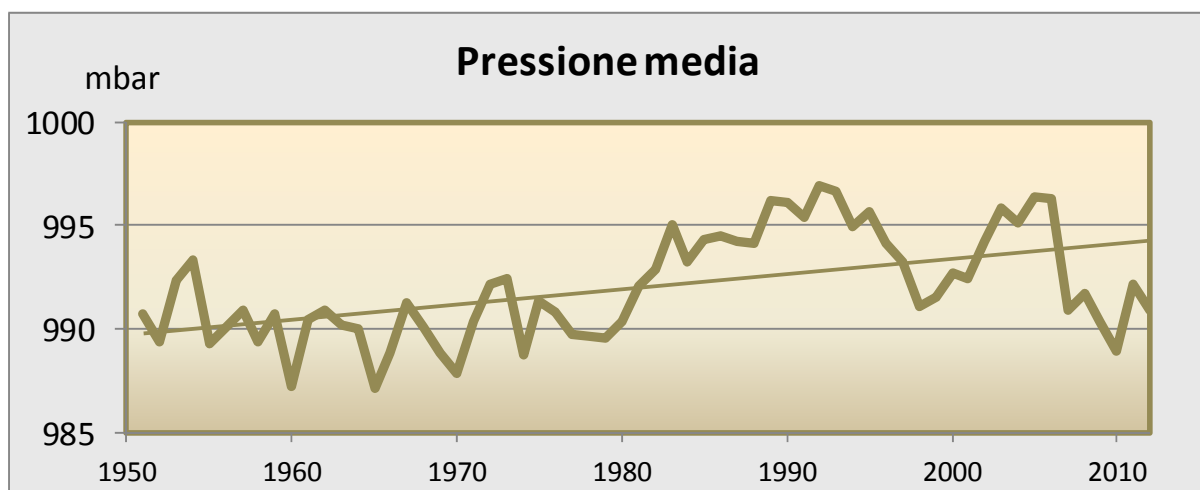




Pressione millibar	2012				1951-2011						
	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
Media annua	990.9			36	992.0	996.9	1992	987.1	1965		
Media invernale	993.9			28	993.3	1004.8	1992	985.3	2010		
Media primaverile	990.2			29	990.4	996.9	1990	985.9	1978		
Media estiva	989.8			37	990.9	995.9	2006	985.8	1960		
Media autunnale	989.9			55	993.4	999.2	1986	986.5	1960		
media mensile più bassa	982.3	Apr		3				980.6	1982	Dic	
media mensile più alta	998.1	Mar		61		1009.3	1989			Gen	
media giornaliera più bassa	964.7	Ott	27	16				951.7	1977	Dic	2
media giornaliera più alta	1010.8	Dic	26	155		1018.3	1989			Gen	3
escursione massima annua	51.8			9		68.9	1989				
escursione massima mensile	46.6	Dic		17		66.4	1989			Feb	
escursione massima giornaliera	23.7	Gen	5	5		26.0	1978			Gen	28

(1): in grassetto rosso valore superiore alla media pluriennale

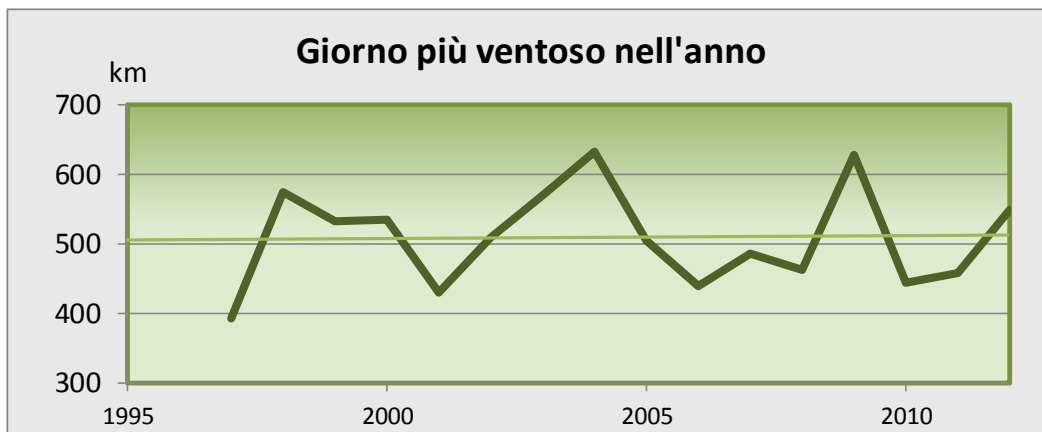
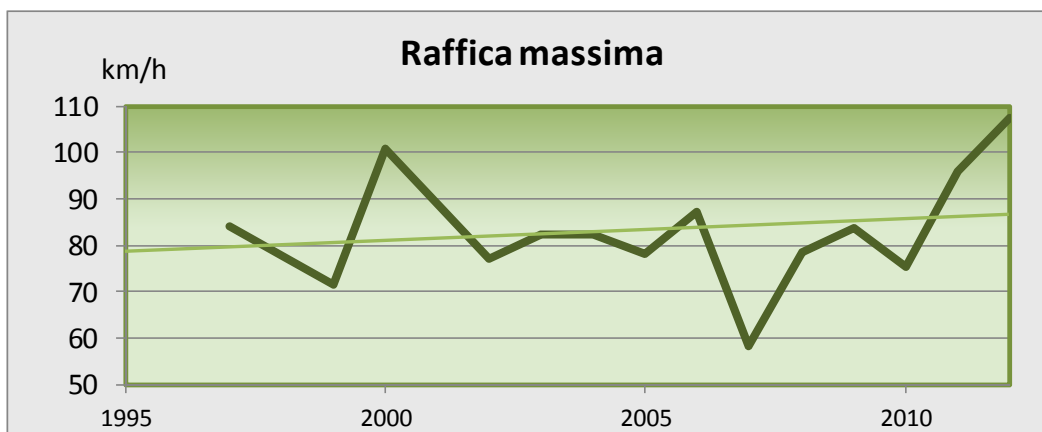
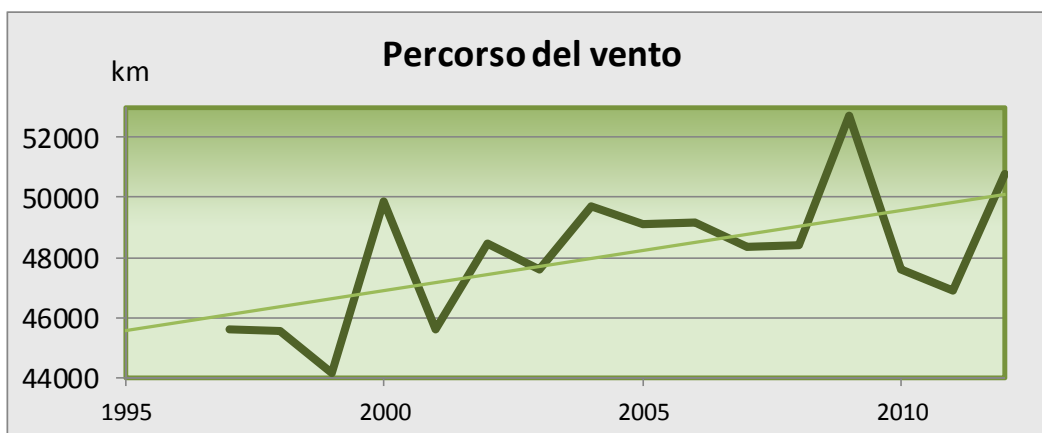
(2): in grassetto rosso posizione entro il 10° percentile



Vento	2012				1997-2011							
	km	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
percorso annuo	50770.1				2	47916.5	52699.3	2009	44127.5	1999		
percorso invernale	11643.0				4	10743.8	12832.9	2004	8215.4	1997		
percorso primaverile	13680.4				4	13002.7	16096.3	2009	11410.7	1999		
percorso estivo	13872.2				3	12949.9	14400.7	2006	11783.0	1999		
percorso autunnale	11574.5				6	11220.0	12670.2	2003	10066.7	2004		
velocità media (km h ⁻¹)	5.8				2	5.5	6.0	2009	5.0	1999		
direzione prevalente	NE					WNW						
mese più ventoso	5096.6	<i>Lug</i>			8		6190.2	2009			<i>Apr</i>	
giorno più ventoso	549.4	<i>Mag</i>	<i>16</i>		6		633.2	2004			<i>Dic</i>	<i>2</i>
raffica massima (km h ⁻¹)	107.6	<i>Ago</i>	<i>25</i>		1		101.0	2000			<i>Ago</i>	<i>17</i>

(1): in grassetto rosso valore superiore alla media pluriennale

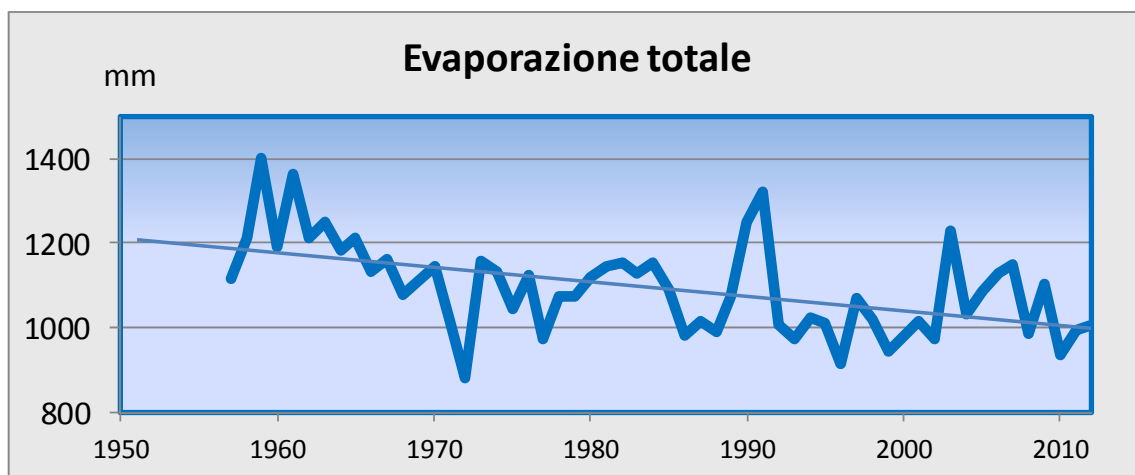
(2): in grassetto rosso posizione entro il 10° percentile



Evaporazione mm	2012				1951-2011						
	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
totale annuo	1007.80			43	1095.48	1400.80	1959	878.90	1972		
totale invernale	114.90			17	104.11	172.80	1981	55.40	1972		
totale primaverile	269.30			48	321.76	424.50	1961	233.10	1983		
totale estivo	465.90			35	487.29	677.90	1959	389.40	1992		
totale autunnale	157.70			44	182.32	237.60	1978	125.10	1994		
mese con evaporazione minima	29.3	Nov		88				9.9	1996	Gen	
mese con evaporazione massima	173.4	Lug		60		258.0			1959	Lug	
giorno con evaporazione massima	15.3	Mag	16	24		18.7			1984	Lug	16

(1): in grassetto rosso valore superiore alla media pluriennale

(2): in grassetto rosso posizione entro il 10° percentile



Livello del lago	2012				1951-2011						
	Valore ⁽¹⁾	Mese	Giorno	Posizione ⁽²⁾	Media	Max	anno	Min	anno	mese	giorno
livello medio annuo	193.89			28	193.87	194.39	1960	193.35	2006		
livello medio invernale	193.72			46	193.91	194.44	2003	192.68	1965		
livello medio primaverile	194.01			18	193.87	194.49	1986	192.72	1965		
livello medio estivo	194.11			9	193.89	194.37	1977	192.89	1976		
livello medio autunnale	193.72			38	193.82	194.80	1993	192.67	1964		
livello minimo	192.83	Set	23	1032				192.38	1956	Mar	18
livello massimo	194.89	Mag	2	599		197.86	2000			Ott	17
escursione massima giornaliera	0.66	26 - 27	Set	62		1.57	1968			2 - 3	Nov
escursione massima mensile	1.12	Set		94		4.04			1981	Set	
escursione massima annua	2.06			39	5.14	5.14			2000		

(1): in grassetto valore superiore alla media pluriennale

(2): in grassetto rosso posizione entro il 10° percentile

