



Consiglio Nazionale delle Ricerche

Istituto per lo Studio degli Ecosistemi

Verbania Pallanza

R E P O R T

CNR-ISE, 03-12

Annuario dell'Osservatorio Meteorologico di Pallanza 2011

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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 2011 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 2011 (1° dicembre 2010 - 30 novembre 2011), 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 parametri meteorologici registrati nel 2011 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 tacho-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 | 20.1 | 170.8 | 250.3 | 295.8 | 472.4 | 628.4 | 614.3 | 771.9 | | 407.1 | 382.4 | 232.6 |
| 2 | 77.8 | 149.9 | 258.3 | 117.2 | 490.7 | 537.6 | 674.8 | 773.2 | | 355.2 | 381.5 | 136.2 |
| 3 | 160.6 | 40.4 | 233.2 | 82.0 | 478.6 | 614.2 | 627.7 | 781.6 | | 325.3 | 352.1 | 20.8 |
| 4 | 192.7 | 30.6 | 225.4 | 368.7 | 293.1 | 617.5 | 553.9 | 771.8 | 599.4 | <u>96.0</u> | 357.9 | <u>2.3</u> |
| 5 | 33.9 | 31.9 | 211.6 | 349.1 | 549.3 | 560.3 | 561.3 | 777.3 | 161.4 | 307.7 | 359.7 | 2.3 |
| 6 | 21.5 | 24.2 | 255.0 | 402.1 | 525.4 | 571.5 | 583.8 | 745.6 | 276.0 | 499.4 | 261.9 | 30.9 |
| 7 | 50.2 | 10.5 | 277.5 | 84.3 | 522.0 | 606.9 | 523.9 | <u>361.3</u> | <u>142.3</u> | 346.4 | 398.1 | 7.6 |
| 8 | 15.7 | 15.3 | 273.8 | 232.3 | 513.2 | 634.9 | 567.1 | 624.2 | 461.0 | 322.8 | 387.1 | 17.3 |
| 9 | 191.5 | <u>4.5</u> | 265.3 | 393.2 | 491.3 | 527.4 | 625.5 | 747.1 | 639.9 | 503.3 | 388.3 | 169.0 |
| 10 | 186.0 | 13.5 | 267.1 | 376.2 | 472.3 | 601.1 | 648.2 | 384.0 | 632.4 | 393.4 | 324.1 | 231.1 |
| <i>1° Dec</i> | <i>949.9</i> | <i>491.6</i> | <i>2517.5</i> | <i>2700.8</i> | <i>4808.3</i> | <i>5899.7</i> | <i>5980.6</i> | <i>6738.1</i> | <i>2912.4</i> | <i>3556.5</i> | <i>3593.2</i> | <i>850.1</i> |
| 11 | 178.2 | 77.7 | 236.9 | 355.1 | 457.5 | 587.4 | 630.3 | | 614.8 | 312.5 | 368.4 | 100.1 |
| 12 | 177.6 | 174.6 | 250.1 | 46.7 | 449.7 | 495.6 | 625.8 | | 442.0 | 491.9 | 309.8 | 142.5 |
| 13 | 186.6 | 181.7 | 56.7 | 38.9 | 467.2 | 550.3 | 626.3 | | 567.4 | 478.5 | 355.3 | 213.0 |
| 14 | 181.0 | 51.9 | 54.7 | 226.4 | 360.8 | <u>361.1</u> | 659.6 | | 446.2 | 445.6 | 118.2 | 221.0 |
| 15 | 90.4 | 174.3 | <u>26.9</u> | 53.7 | 438.0 | 503.4 | 596.7 | | 509.1 | 440.6 | 227.5 | 219.7 |
| 16 | 168.5 | 144.6 | 44.6 | 51.5 | 493.4 | 545.3 | 297.2 | | 571.5 | 396.3 | 337.4 | 218.1 |
| 17 | <u>13.6</u> | 196.8 | 86.2 | 111.0 | 538.1 | 619.6 | 470.5 | | 520.4 | 268.9 | 287.0 | 209.2 |
| 18 | 184.8 | 177.1 | 252.6 | 470.5 | 550.1 | 690.4 | 477.7 | | 470.3 | 105.9 | 282.4 | 209.3 |
| 19 | 47.9 | 209.1 | 327.0 | 356.9 | 566.3 | 691.9 | 654.6 | | 480.7 | 213.9 | 25.2 | 179.0 |
| 20 | 149.1 | 216.6 | 69.7 | 472.0 | 546.9 | 694.8 | 639.0 | | 562.6 | 474.0 | 341.5 | 184.7 |
| <i>2° Dec</i> | <i>1377.6</i> | <i>1604.5</i> | <i>1405.4</i> | <i>2182.5</i> | <i>4868.0</i> | <i>5739.8</i> | <i>5677.7</i> | <i>0.0</i> | <i>5185.1</i> | <i>3628.0</i> | <i>2652.9</i> | <i>1896.6</i> |
| 21 | 16.2 | 221.2 | 247.0 | 462.6 | 560.4 | 696.5 | 542.7 | | 540.9 | 448.8 | 313.8 | 62.7 |
| 22 | 27.4 | 217.5 | 170.3 | 459.5 | 546.9 | 683.2 | <u>144.4</u> | | 531.8 | 450.6 | 113.5 | 172.1 |
| 23 | 14.4 | 204.9 | 357.2 | 474.4 | <u>254.5</u> | 674.9 | 198.5 | | 503.6 | 391.2 | 246.4 | 187.9 |
| 24 | 21.2 | 225.0 | 302.3 | 475.4 | 544.7 | 669.6 | 542.5 | | 518.2 | 302.3 | 138.7 | 186.1 |
| 25 | 33.1 | 199.3 | 304.7 | 458.5 | 554.9 | 679.8 | 501.8 | | 443.3 | 346.9 | <u>9.3</u> | 183.1 |
| 26 | 89.3 | 217.1 | 209.9 | 446.1 | 507.7 | 653.0 | 569.3 | | 408.5 | 400.2 | 182.7 | 174.7 |
| 27 | 150.2 | 159.9 | 166.8 | 105.2 | 469.7 | 622.4 | 607.4 | | 511.2 | 396.1 | 236.3 | 185.8 |
| 28 | 141.9 | 108.1 | 123.8 | 488.5 | 415.2 | 554.2 | 627.9 | | 580.4 | 323.7 | 261.4 | 148.4 |
| 29 | 159.6 | 63.2 | | 321.6 | 394.5 | 530.8 | 563.6 | | 548.2 | 357.4 | 243.2 | 159.8 |
| 30 | 140.1 | 64.0 | | 404.0 | 584.2 | 509.6 | 686.5 | | 494.0 | 354.4 | 182.4 | 146.6 |
| 31 | 171.6 | 211.9 | | 500.4 | | 610.4 | | | 469.7 | | 185.2 | |
| <i>3° Dec</i> | <i>965.1</i> | <i>1892.1</i> | <i>1882.1</i> | <i>4596.4</i> | <i>4832.7</i> | <i>6884.5</i> | <i>4984.5</i> | <i>0.0</i> | <i>5549.8</i> | <i>3771.7</i> | <i>2112.9</i> | <i>1607.2</i> |
| 2011 | 3292.7 | 3988.3 | 5805.0 | 9479.7 | 14509.1 | 18524.0 | 16642.8 | 6738.1 | 13647.2 | 10956.2 | 8359.0 | 4353.8 |
| 1951-2010 | 3087.7 | 3707.4 | 5232.1 | 8626.0 | 10753.4 | 13055.8 | 14383.3 | 15493.9 | 12999.8 | 9157.2 | 6029.9 | 3598.7 |
| min | 13.6 | 4.5 | 26.9 | 38.9 | 254.5 | 361.1 | 144.4 | 361.3 | 142.3 | 96.0 | 9.3 | 2.3 |
| giorno | 17 | 9 | 15 | 13 | 23 | 14 | 22 | 7 | 7 | 4 | 25 | 4 |
| Max | 192.7 | 225.0 | 357.2 | 500.4 | 584.2 | 696.5 | 686.5 | 781.6 | 639.9 | 503.3 | 398.1 | 232.6 |
| giorno | 4 | 24 | 23 | 31 | 30 | 21 | 30 | 3 | 9 | 9 | 7 | 1 |

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 | 1.99 | 0.49 | 3.56 | 8.06 | 16.48 | 16.89 | <u>14.70</u> | 24.26 | 24.55 | 22.95 | 20.29 | 10.60 |
| 2 | 2.64 | 1.41 | <u>2.94</u> | 4.53 | 16.69 | 16.96 | 19.63 | 22.10 | 24.87 | 23.33 | 20.36 | 11.88 |
| 3 | 3.30 | 0.85 | 3.78 | <u>3.24</u> | 17.20 | 17.98 | 20.76 | 22.65 | 23.04 | 23.71 | 20.57 | 11.04 |
| 4 | 1.82 | 1.60 | 4.20 | 7.20 | 16.33 | 17.33 | 17.52 | 23.89 | 24.53 | 20.99 | 20.56 | 10.50 |
| 5 | 0.98 | 1.40 | 5.84 | 8.00 | 15.75 | <u>16.71</u> | 17.41 | 25.31 | 21.46 | 21.69 | 20.08 | 11.46 |
| 6 | 1.45 | 1.10 | 6.55 | 9.20 | 16.38 | 16.81 | 17.15 | 25.63 | 21.90 | 21.17 | 20.07 | 12.17 |
| 7 | 4.81 | 2.13 | 6.60 | 6.47 | 18.97 | 18.15 | 16.94 | 20.37 | 21.91 | 20.95 | 17.02 | 11.43 |
| 8 | 6.30 | 3.87 | 5.80 | 4.68 | 22.26 | 20.74 | 17.80 | 21.06 | 23.43 | 21.95 | 13.68 | 10.06 |
| 9 | 7.28 | 5.06 | 5.79 | 5.09 | 23.04 | 17.81 | 19.84 | 24.09 | 22.28 | 24.45 | 14.19 | 11.55 |
| 10 | 5.03 | 5.28 | 5.75 | 7.29 | 20.23 | 18.85 | 19.71 | 22.93 | <u>21.45</u> | 24.10 | 13.71 | 9.84 |
| <i>1° Dec</i> | <i>3.56</i> | <i>2.32</i> | <i>5.08</i> | <i>6.38</i> | <i>18.33</i> | <i>17.82</i> | <i>18.15</i> | <i>23.23</i> | <i>22.94</i> | <i>22.53</i> | <i>18.05</i> | <i>11.05</i> |
| 11 | 3.27 | 5.36 | 5.31 | 8.46 | 18.04 | 21.31 | 20.00 | 25.17 | 21.56 | 23.44 | 18.04 | 9.74 |
| 12 | 4.91 | 4.02 | 6.76 | 8.04 | 18.93 | 20.37 | 20.50 | 25.07 | 22.24 | 23.05 | 17.23 | 9.48 |
| 13 | 5.65 | 4.40 | 7.10 | 5.73 | 14.11 | 21.52 | 20.44 | 20.43 | 23.47 | 23.16 | 17.64 | 7.48 |
| 14 | 0.86 | 2.76 | 6.19 | 7.97 | 12.33 | 17.43 | 22.34 | 22.51 | 23.96 | 23.75 | 15.07 | 6.67 |
| 15 | -0.53 | 4.13 | 5.48 | 8.58 | <u>12.01</u> | 17.95 | 23.68 | 23.88 | 23.82 | 23.98 | 12.30 | 6.03 |
| 16 | -1.04 | 3.30 | 4.35 | 7.45 | 14.44 | 17.96 | 21.82 | 20.35 | 25.10 | 23.59 | 12.16 | 5.91 |
| 17 | <u>-1.76</u> | 3.03 | 5.89 | 8.20 | 14.91 | 19.00 | 20.38 | 19.00 | 25.76 | 21.00 | 11.58 | 5.28 |
| 18 | -1.50 | 2.84 | 5.71 | 13.04 | 15.06 | 19.60 | 18.41 | 19.57 | 26.55 | 17.54 | 10.98 | 5.05 |
| 19 | -0.20 | 5.01 | 7.37 | 12.50 | 15.43 | 20.82 | 21.22 | <u>16.45</u> | 26.41 | <u>17.38</u> | 11.01 | 4.87 |
| 20 | 1.41 | 2.16 | 5.65 | 10.84 | 15.80 | 21.23 | 21.20 | 19.83 | 26.91 | 19.36 | 12.76 | 5.28 |
| <i>2° Dec</i> | <i>1.11</i> | <i>3.70</i> | <i>5.98</i> | <i>9.08</i> | <i>15.11</i> | <i>19.72</i> | <i>21.00</i> | <i>21.23</i> | <i>24.58</i> | <i>21.63</i> | <i>13.88</i> | <i>6.58</i> |
| 21 | 1.65 | 2.09 | 6.63 | 9.51 | 16.85 | 22.21 | 23.51 | 20.86 | 27.19 | 18.96 | 10.37 | 5.03 |
| 22 | 3.20 | 0.73 | 5.98 | 9.90 | 16.75 | 21.90 | 22.51 | 22.12 | 27.73 | 20.16 | 10.62 | 6.21 |
| 23 | 5.36 | <u>-0.23</u> | 5.14 | 11.41 | 14.26 | 23.49 | 20.25 | 21.52 | 27.95 | 19.88 | 9.46 | 5.70 |
| 24 | 7.00 | 1.77 | 4.07 | 13.00 | 16.83 | 24.95 | 23.36 | 21.34 | 27.18 | 19.93 | 8.36 | 5.95 |
| 25 | 7.39 | 0.86 | 4.10 | 13.52 | 17.88 | 24.79 | 22.50 | 20.75 | 26.67 | 20.14 | <u>7.92</u> | 5.40 |
| 26 | 3.82 | 1.71 | 4.29 | 12.40 | 18.18 | 22.89 | 24.43 | 20.60 | 25.70 | 20.48 | 11.70 | 5.42 |
| 27 | 0.29 | 2.79 | 5.16 | 10.47 | 16.10 | 18.32 | 25.71 | 18.29 | 24.00 | 20.79 | 11.45 | <u>4.78</u> |
| 28 | 0.54 | 3.66 | 5.41 | 12.53 | 13.92 | 20.68 | 27.29 | 20.66 | 21.74 | 20.55 | 11.21 | 4.95 |
| 29 | 0.04 | 2.57 | | 12.47 | 13.09 | 20.59 | 24.82 | 22.16 | 22.32 | 20.31 | 11.06 | 5.73 |
| 30 | 0.72 | 3.12 | | 13.29 | 14.73 | 22.46 | 25.45 | 23.82 | 22.75 | 20.03 | 11.55 | 5.24 |
| 31 | 0.53 | 4.80 | | 14.69 | | 17.21 | | 23.23 | 23.54 | | 12.28 | |
| <i>3° Dec</i> | <i>2.78</i> | <i>2.17</i> | <i>5.10</i> | <i>12.11</i> | <i>15.86</i> | <i>21.77</i> | <i>23.98</i> | <i>21.40</i> | <i>25.16</i> | <i>20.12</i> | <i>10.54</i> | <i>5.44</i> |
| 2011 | 2.48 | 2.73 | 5.39 | 9.19 | 16.43 | 19.77 | 21.04 | 21.95 | 24.23 | 21.43 | 14.16 | 7.69 |
| 1951-2010 | 3.71 | 2.81 | 4.47 | 8.21 | 11.80 | 16.06 | 19.97 | 22.62 | 21.89 | 18.07 | 12.93 | 7.29 |
| min | -1.76 | -0.23 | 2.94 | 3.24 | 12.01 | 16.71 | 14.70 | 16.45 | 21.45 | 17.38 | 7.92 | 4.78 |
| giorno | 17 | 23 | 2 | 3 | 15 | 5 | 1 | 19 | 10 | 19 | 25 | 27 |
| Max | 7.39 | 5.36 | 7.37 | 14.69 | 23.04 | 24.95 | 27.29 | 25.63 | 27.95 | 24.45 | 20.57 | 12.17 |
| giorno | 25 | 11 | 19 | 31 | 9 | 24 | 28 | 6 | 23 | 9 | 3 | 6 |

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 | 1.0 | -2.0 | -0.3 | 4.6 | 9.1 | <u>9.3</u> | <u>12.8</u> | 18.4 | 18.8 | 19.9 | 14.7 | 5.8 |
| 2 | 0.9 | -2.4 | <u>-1.7</u> | 2.6 | 9.8 | 12.7 | 14.9 | 16.3 | 19.8 | 18.4 | 14.3 | 9.8 |
| 3 | 1.0 | -1.4 | -1.4 | 1.5 | 10.3 | 11.9 | 17.3 | 16.3 | 19.0 | 19.8 | 15.3 | 10.1 |
| 4 | -1.0 | 0.6 | -0.2 | 2.2 | 11.3 | 12.4 | 16.2 | 17.6 | 17.3 | 19.6 | 15.2 | 10.1 |
| 5 | -1.2 | 0.1 | 1.4 | 3.6 | 8.8 | 12.2 | 14.9 | 19.2 | 19.2 | 17.3 | 14.7 | 10.7 |
| 6 | 0.4 | -1.3 | 2.3 | 2.5 | 8.9 | 12.2 | 14.6 | 22.0 | 18.6 | 14.5 | 14.9 | 11.1 |
| 7 | 2.4 | 1.5 | 1.0 | 4.7 | 10.6 | 10.9 | 14.3 | 17.8 | 20.1 | 17.0 | 11.1 | 10.1 |
| 8 | 5.3 | 2.5 | 0.1 | 0.5 | 13.6 | 12.1 | 15.4 | 18.8 | 19.0 | 16.3 | 8.6 | 9.3 |
| 9 | 1.7 | 4.6 | 0.5 | <u>-1.4</u> | 13.2 | 14.6 | 15.6 | 19.4 | 15.5 | 17.1 | 8.9 | 7.8 |
| 10 | 0.8 | 4.8 | 0.2 | 1.0 | 13.4 | 12.7 | 14.7 | 19.3 | <u>13.9</u> | 19.4 | 7.9 | 6.4 |
| <i>1° Dec</i> | <i>1.13</i> | <i>0.70</i> | <i>0.19</i> | <i>2.18</i> | <i>10.90</i> | <i>12.10</i> | <i>15.07</i> | <i>18.51</i> | <i>18.12</i> | <i>17.93</i> | <i>12.56</i> | <i>9.12</i> |
| 11 | -0.2 | 2.3 | 0.5 | 1.6 | 10.9 | 13.7 | 15.3 | 17.5 | 14.2 | 18.8 | 10.8 | 5.5 |
| 12 | 0.1 | 0.9 | 1.1 | 6.5 | 12.0 | 15.4 | 14.4 | 19.9 | 16.6 | 17.6 | 11.8 | 5.1 |
| 13 | 0.6 | 1.0 | 4.8 | 5.0 | 10.1 | 13.3 | 16.9 | 16.2 | 17.1 | 16.3 | 10.7 | 3.9 |
| 14 | -2.4 | 1.5 | 4.9 | 3.0 | 7.6 | 14.3 | 15.3 | 15.8 | 18.6 | 17.7 | 13.3 | 2.8 |
| 15 | -3.1 | 1.6 | 3.0 | 7.7 | <u>6.6</u> | 11.7 | 18.7 | 17.7 | 19.1 | 18.2 | 7.3 | 2.0 |
| 16 | -4.1 | 1.0 | 3.0 | 6.4 | 7.8 | 10.7 | 18.8 | 18.0 | 18.9 | 18.6 | 5.9 | 1.8 |
| 17 | -3.0 | 0.0 | 4.1 | 5.8 | 9.4 | 11.2 | 18.1 | 17.6 | 21.0 | 17.7 | 7.3 | 1.2 |
| 18 | <u>-5.9</u> | -0.6 | 1.9 | 5.4 | 9.4 | 14.7 | 15.8 | 15.4 | 21.8 | 14.9 | 6.1 | 1.1 |
| 19 | -3.7 | 0.6 | 1.3 | 8.0 | 8.0 | 13.8 | 13.6 | 13.5 | 21.7 | 13.6 | 8.3 | <u>0.9</u> |
| 20 | -1.6 | -1.7 | 4.5 | 6.5 | 9.5 | 14.1 | 14.5 | <u>11.9</u> | 20.0 | 12.4 | 7.5 | 2.0 |
| <i>2° Dec</i> | <i>-2.33</i> | <i>0.66</i> | <i>2.91</i> | <i>5.59</i> | <i>9.13</i> | <i>13.29</i> | <i>16.14</i> | <i>16.35</i> | <i>18.90</i> | <i>16.58</i> | <i>8.90</i> | <i>2.63</i> |
| 21 | -0.9 | -2.5 | 3.2 | 5.0 | 10.2 | 14.9 | 16.4 | 13.4 | 21.0 | <u>11.6</u> | 4.8 | 1.1 |
| 22 | 1.1 | -2.4 | 2.4 | 3.0 | 9.6 | 17.2 | 19.7 | 14.0 | 21.8 | 13.3 | 9.0 | 3.4 |
| 23 | 4.4 | <u>-3.8</u> | -0.6 | 4.3 | 12.6 | 15.4 | 17.1 | 16.5 | 22.0 | 13.7 | 5.0 | 1.8 |
| 24 | 6.2 | -3.4 | -0.9 | 5.6 | 10.1 | 17.9 | 16.2 | 15.1 | 21.0 | 15.7 | <u>3.7</u> | 2.2 |
| 25 | 5.7 | -2.2 | -0.7 | 6.9 | 12.3 | 18.0 | 15.0 | 14.1 | 21.3 | 15.3 | 7.0 | 1.7 |
| 26 | -1.9 | -2.8 | -0.7 | 5.8 | 13.4 | 18.3 | 16.6 | 14.7 | 20.8 | 14.7 | 8.7 | 1.4 |
| 27 | -3.1 | 0.2 | 0.8 | 9.3 | 13.0 | 14.4 | 20.3 | 16.2 | 19.3 | 14.7 | 7.7 | 1.2 |
| 28 | -2.2 | 1.8 | 3.8 | 8.6 | 11.2 | 13.1 | 20.5 | 14.2 | 14.4 | 15.5 | 6.5 | 1.4 |
| 29 | -2.6 | 1.6 | | 8.6 | 11.3 | 13.4 | 19.6 | 15.5 | 15.5 | 14.9 | 6.3 | 1.8 |
| 30 | -1.8 | 1.5 | | 9.2 | 10.4 | 15.6 | 17.9 | 17.3 | 16.2 | 14.6 | 6.5 | 2.4 |
| 31 | -2.4 | 0.5 | | 8.3 | | 15.3 | | 16.8 | 18.8 | | 7.3 | |
| <i>3° Dec</i> | <i>0.23</i> | <i>-1.05</i> | <i>0.91</i> | <i>6.78</i> | <i>11.41</i> | <i>15.77</i> | <i>17.93</i> | <i>15.25</i> | <i>19.28</i> | <i>14.40</i> | <i>6.59</i> | <i>1.84</i> |
| 2011 | -0.32 | 0.10 | 1.34 | 4.85 | 10.48 | 13.72 | 16.38 | 16.70 | 18.77 | 16.30 | 9.35 | 4.53 |
| 1951-2010 | 1.32 | 0.26 | 1.21 | 4.26 | 7.61 | 11.73 | 15.31 | 17.77 | 17.43 | 14.19 | 9.66 | 4.69 |
| min | -5.9 | -3.8 | -1.7 | -1.4 | 6.6 | 9.3 | 12.8 | 11.9 | 13.9 | 11.6 | 3.7 | 0.9 |
| giorno | 18 | 23 | 2 | 9 | 15 | 1 | 1 | 20 | 10 | 21 | 24 | 19 |
| Max | 6.2 | 4.8 | 4.9 | 9.3 | 13.6 | 18.3 | 20.5 | 22.0 | 22.0 | 19.9 | 15.3 | 11.1 |
| giorno | 24 | 10 | 14 | 27 | 8 | 26 | 28 | 6 | 23 | 1 | 3 | 6 |

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 | 3.0 | 6.4 | 9.2 | 13.9 | 24.5 | 23.5 | 16.6 | 30.2 | 30.6 | 28.6 | 28.7 | 16.0 |
| 2 | 5.0 | 5.7 | 10.4 | 7.8 | 23.7 | 23.2 | 24.1 | 26.9 | 30.3 | 28.9 | 28.1 | 15.3 |
| 3 | 7.5 | 3.5 | 11.3 | 5.3 | 24.8 | 23.9 | 27.8 | 27.8 | 29.6 | 30.7 | 28.1 | 12.6 |
| 4 | 7.9 | 3.1 | 12.0 | 13.6 | 22.4 | 22.1 | 21.5 | 29.9 | 33.3 | 22.8 | 28.2 | 11.1 |
| 5 | 3.1 | 2.6 | 13.8 | 13.6 | 21.8 | 21.3 | 21.8 | 30.3 | 24.7 | 27.6 | 27.6 | 12.3 |
| 6 | 2.5 | 2.4 | 15.0 | 18.6 | 24.0 | 22.6 | 22.0 | 30.9 | 27.9 | 27.6 | 25.3 | 13.6 |
| 7 | 7.5 | 3.1 | 16.0 | 9.1 | 28.6 | 24.8 | 20.1 | 22.9 | 25.4 | 27.1 | 22.2 | 12.4 |
| 8 | 7.0 | 5.1 | 14.9 | 10.1 | 32.9 | 29.5 | 23.2 | 26.4 | 28.5 | 28.1 | 20.2 | 10.4 |
| 9 | 14.9 | 5.5 | 13.8 | 12.3 | 32.5 | 23.0 | 24.5 | 29.3 | 28.5 | 32.7 | 22.6 | 17.6 |
| 10 | 11.8 | 5.9 | 13.5 | 14.4 | 26.8 | 24.2 | 24.6 | 27.8 | 27.9 | 31.1 | 20.5 | 15.6 |
| <i>1° Dec</i> | <i>7.02</i> | <i>4.33</i> | <i>12.99</i> | <i>11.87</i> | <i>26.20</i> | <i>23.81</i> | <i>22.62</i> | <i>28.24</i> | <i>28.67</i> | <i>28.52</i> | <i>25.15</i> | <i>13.69</i> |
| 11 | 9.8 | 8.0 | 12.3 | 15.2 | 24.9 | 28.9 | 25.9 | 32.8 | 27.8 | 30.0 | 29.3 | 13.8 |
| 12 | 9.9 | 9.8 | 13.5 | 10.4 | 27.3 | 28.6 | 25.7 | 32.7 | 28.0 | 30.8 | 26.4 | 12.6 |
| 13 | 12.1 | 10.0 | 10.0 | 6.6 | 18.6 | 30.2 | 25.8 | 24.5 | 29.9 | 30.9 | 27.4 | 13.4 |
| 14 | 7.3 | 3.6 | 8.4 | 12.7 | 18.8 | 25.2 | 28.5 | 30.0 | 30.8 | 31.4 | 17.6 | 13.1 |
| 15 | 3.3 | 8.1 | 7.1 | 9.9 | 17.9 | 24.3 | 29.5 | 30.0 | 30.5 | 31.4 | 16.1 | 12.3 |
| 16 | 3.9 | 5.7 | 5.6 | 8.4 | 19.1 | 25.0 | 29.1 | 24.2 | 32.2 | 30.3 | 19.4 | 12.6 |
| 17 | -0.8 | 7.7 | 8.5 | 11.3 | 19.8 | 25.4 | 24.9 | 20.8 | 31.8 | 29.2 | 17.4 | 11.8 |
| 18 | 7.4 | 7.3 | 12.4 | 22.6 | 21.3 | 26.2 | 22.3 | 25.6 | 34.1 | 21.6 | 17.5 | 11.6 |
| 19 | 2.1 | 10.8 | 15.1 | 21.9 | 22.9 | 28.9 | 28.0 | 20.1 | 32.4 | 21.8 | 12.4 | 10.4 |
| 20 | 6.1 | 9.5 | 7.2 | 15.4 | 22.9 | 28.0 | 27.3 | 27.3 | 34.2 | 28.1 | 19.5 | 11.2 |
| <i>2° Dec</i> | <i>6.11</i> | <i>8.05</i> | <i>10.01</i> | <i>13.44</i> | <i>21.35</i> | <i>27.07</i> | <i>26.70</i> | <i>26.80</i> | <i>31.17</i> | <i>28.55</i> | <i>20.30</i> | <i>12.28</i> |
| 21 | 3.2 | 8.8 | 11.4 | 13.8 | 24.0 | 30.5 | 29.3 | 28.2 | 35.0 | 27.2 | 16.7 | 7.8 |
| 22 | 4.8 | 6.8 | 9.9 | 17.0 | 23.9 | 28.4 | 27.7 | 28.3 | 35.1 | 28.4 | 13.7 | 11.6 |
| 23 | 6.3 | 5.6 | 12.5 | 19.6 | 16.3 | 31.6 | 25.3 | 27.4 | 34.2 | 26.3 | 15.2 | 11.8 |
| 24 | 7.8 | 8.4 | 9.9 | 21.4 | 24.1 | 31.0 | 30.2 | 26.4 | 35.2 | 25.9 | 14.7 | 12.0 |
| 25 | 9.0 | 5.9 | 10.0 | 21.0 | 24.5 | 32.3 | 27.7 | 27.1 | 34.0 | 27.4 | 8.7 | 11.7 |
| 26 | 6.8 | 7.3 | 9.8 | 19.0 | 25.6 | 30.1 | 31.5 | 25.5 | 33.6 | 28.2 | 15.5 | 11.1 |
| 27 | 5.4 | 6.7 | 8.4 | 12.5 | 21.9 | 23.4 | 30.8 | 21.7 | 29.7 | 28.0 | 17.2 | 11.3 |
| 28 | 4.7 | 6.7 | 7.9 | 18.1 | 19.7 | 27.8 | 32.6 | 27.5 | 29.4 | 27.2 | 17.9 | 11.4 |
| 29 | 4.9 | 4.2 | | 18.7 | 17.6 | 26.9 | 31.6 | 29.9 | 30.1 | 26.8 | 16.9 | 11.5 |
| 30 | 6.5 | 5.8 | | 20.7 | 21.4 | 29.5 | 31.8 | 29.8 | 31.0 | 26.3 | 15.8 | 10.8 |
| 31 | 6.5 | 10.2 | | 21.4 | | 21.7 | | 28.6 | 30.6 | | 16.7 | |
| <i>3° Dec</i> | <i>5.99</i> | <i>6.95</i> | <i>9.98</i> | <i>18.47</i> | <i>21.90</i> | <i>28.47</i> | <i>29.85</i> | <i>27.31</i> | <i>32.54</i> | <i>27.17</i> | <i>15.36</i> | <i>11.10</i> |
| 2011 | 6.37 | 6.44 | 10.99 | 14.59 | 23.15 | 26.45 | 26.39 | 27.45 | 30.79 | 28.08 | 20.27 | 12.36 |
| 1951-2010 | 7.20 | 6.47 | 8.93 | 13.10 | 16.47 | 20.74 | 24.79 | 27.64 | 26.89 | 22.80 | 17.31 | 10.95 |
| min | -0.8 | 2.4 | 5.6 | 5.3 | 16.3 | 21.3 | 16.6 | 20.1 | 24.7 | 21.6 | 8.7 | 7.8 |
| giorno | 17 | 6 | 16 | 3 | 23 | 5 | 1 | 19 | 5 | 18 | 25 | 21 |
| Max | 14.9 | 10.8 | 16.0 | 22.6 | 32.9 | 32.3 | 32.6 | 32.8 | 35.2 | 32.7 | 29.3 | 17.6 |
| giorno | 9 | 19 | 7 | 18 | 8 | 25 | 28 | 11 | 24 | 9 | 11 | 9 |

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 | 2.0 | 8.4 | 9.5 | 9.3 | 15.4 | 14.2 | <u>3.8</u> | 11.8 | 11.8 | 8.7 | 14.0 | 10.2 |
| 2 | 4.1 | 8.1 | 12.1 | 5.2 | 13.9 | 10.5 | 9.2 | 10.6 | 10.5 | 10.5 | 13.8 | 5.5 |
| 3 | 6.5 | 4.9 | 12.7 | 3.8 | 14.5 | 12.0 | 10.5 | 11.5 | 10.6 | 10.9 | 12.8 | 2.5 |
| 4 | 8.9 | 2.5 | 12.2 | 11.4 | 11.1 | 9.7 | 5.3 | 12.3 | 16.0 | <u>3.2</u> | 13.0 | <u>1.0</u> |
| 5 | 4.3 | 2.5 | 12.4 | 10.0 | 13.0 | 9.1 | 6.9 | 11.1 | 5.5 | 10.3 | 12.9 | 1.6 |
| 6 | 2.1 | 3.7 | 12.7 | 16.1 | 15.1 | 10.4 | 7.4 | 8.9 | 9.3 | 13.1 | 10.4 | 2.5 |
| 7 | 5.1 | 1.6 | 15.0 | 4.4 | 18.0 | 13.9 | 5.8 | 5.1 | <u>5.3</u> | 10.1 | 11.1 | 2.3 |
| 8 | 1.7 | 2.6 | 14.8 | 9.6 | 19.3 | 17.4 | 7.8 | 7.6 | 9.5 | 11.8 | 11.6 | 1.1 |
| 9 | 13.2 | <u>0.9</u> | 13.3 | 13.7 | 19.3 | 8.4 | 8.9 | 9.9 | 13.0 | 15.6 | 13.7 | 9.8 |
| 10 | 11.0 | 1.1 | 13.3 | 13.4 | 13.4 | 11.5 | 9.9 | 8.5 | 14.0 | 11.7 | 12.6 | 9.2 |
| <i>1° Dec</i> | <i>5.89</i> | <i>3.63</i> | <i>12.80</i> | <i>9.69</i> | <i>15.30</i> | <i>11.71</i> | <i>7.55</i> | <i>9.73</i> | <i>10.55</i> | <i>10.59</i> | <i>12.59</i> | <i>4.57</i> |
| 11 | 10.0 | 5.7 | 11.8 | 13.6 | 14.0 | 15.2 | 10.6 | 15.3 | 13.6 | 11.2 | 18.5 | 8.3 |
| 12 | 9.8 | 8.9 | 12.4 | 3.9 | 15.3 | 13.2 | 11.3 | 12.8 | 11.4 | 13.2 | 14.6 | 7.5 |
| 13 | 11.5 | 9.0 | 5.2 | <u>1.6</u> | 8.5 | 16.9 | 8.9 | 8.3 | 12.8 | 14.6 | 16.7 | 9.5 |
| 14 | 9.7 | 2.1 | 3.5 | 9.7 | 11.2 | 10.9 | 13.2 | 14.2 | 12.2 | 13.7 | 4.3 | 10.3 |
| 15 | 6.4 | 6.5 | 4.1 | 2.2 | 11.3 | 12.6 | 10.8 | 12.3 | 11.4 | 13.2 | 8.8 | 10.3 |
| 16 | 8.0 | 4.7 | <u>2.6</u> | 2.0 | 11.3 | 14.3 | 10.3 | 6.2 | 13.3 | 11.7 | 13.5 | 10.8 |
| 17 | 2.2 | 7.7 | 4.4 | 5.5 | 10.4 | 14.2 | 6.8 | <u>3.2</u> | 10.8 | 11.5 | 10.1 | 10.6 |
| 18 | 13.3 | 7.9 | 10.5 | 17.2 | 11.9 | 11.5 | 6.5 | 10.2 | 12.3 | 6.7 | 11.4 | 10.5 |
| 19 | 5.8 | 10.2 | 13.8 | 13.9 | 14.9 | 15.1 | 14.4 | 6.6 | 10.7 | 8.2 | 4.1 | 9.5 |
| 20 | 7.7 | 11.2 | 2.7 | 8.9 | 13.4 | 13.9 | 12.8 | 15.4 | 14.2 | 15.7 | 12.0 | 9.2 |
| <i>2° Dec</i> | <i>8.44</i> | <i>7.39</i> | <i>7.10</i> | <i>7.85</i> | <i>12.22</i> | <i>13.78</i> | <i>10.56</i> | <i>10.45</i> | <i>12.27</i> | <i>11.97</i> | <i>11.40</i> | <i>9.65</i> |
| 21 | 4.1 | 11.3 | 8.2 | 8.8 | 13.8 | 15.6 | 12.9 | 14.8 | 14.0 | 15.6 | 11.9 | 6.7 |
| 22 | 3.7 | 9.2 | 7.5 | 14.0 | 14.3 | 11.2 | 8.0 | 14.3 | 13.3 | 15.1 | 4.7 | 8.2 |
| 23 | 1.9 | 9.4 | 13.1 | 15.3 | <u>3.7</u> | 16.2 | 8.2 | 10.9 | 12.2 | 12.6 | 10.2 | 10.0 |
| 24 | <u>1.6</u> | 11.8 | 10.8 | 15.8 | 14.0 | 13.1 | 14.0 | 11.3 | 14.2 | 10.2 | 11.0 | 9.8 |
| 25 | 3.3 | 8.1 | 10.7 | 14.1 | 12.2 | 14.3 | 12.7 | 13.0 | 12.7 | 12.1 | <u>1.7</u> | 10.0 |
| 26 | 8.7 | 10.1 | 10.5 | 13.2 | 12.2 | 11.8 | 14.9 | 10.8 | 12.8 | 13.5 | 6.8 | 9.7 |
| 27 | 8.5 | 6.5 | 7.6 | 3.2 | 8.9 | 9.0 | 10.5 | 5.5 | 10.4 | 13.3 | 9.5 | 10.1 |
| 28 | 6.9 | 4.9 | 4.1 | 9.5 | 8.5 | 14.7 | 12.1 | 13.3 | 15.0 | 11.7 | 11.4 | 10.0 |
| 29 | 7.5 | 2.6 | | 10.1 | 6.3 | 13.5 | 12.0 | 14.4 | 14.6 | 11.9 | 10.6 | 9.7 |
| 30 | 8.3 | 4.3 | | 11.5 | 11.0 | 13.9 | 13.9 | 12.5 | 14.8 | 11.7 | 9.3 | 8.4 |
| 31 | 8.9 | 9.7 | | 13.1 | | <u>6.4</u> | | 11.8 | 11.8 | | 9.4 | |
| <i>3° Dec</i> | <i>5.76</i> | <i>7.99</i> | <i>9.06</i> | <i>11.69</i> | <i>10.49</i> | <i>12.70</i> | <i>11.92</i> | <i>12.05</i> | <i>13.25</i> | <i>12.77</i> | <i>8.77</i> | <i>9.26</i> |
| 2011 | 6.70 | 6.34 | 9.65 | 9.74 | 12.67 | 12.73 | 10.01 | 10.74 | 12.02 | 11.78 | 10.92 | 7.83 |
| 1951-2010 | 5.89 | 6.21 | 7.72 | 8.84 | 8.86 | 9.01 | 9.48 | 9.87 | 9.47 | 8.60 | 7.65 | 6.26 |
| min | 1.6 | 0.9 | 2.6 | 1.6 | 3.7 | 6.4 | 3.8 | 3.2 | 5.3 | 3.2 | 1.7 | 1.0 |
| giorno | 24 | 9 | 16 | 13 | 23 | 31 | 1 | 17 | 7 | 4 | 25 | 4 |
| Max | 13.3 | 11.8 | 15.0 | 17.2 | 19.3 | 17.4 | 14.9 | 15.4 | 16.0 | 15.7 | 18.5 | 10.8 |
| giorno | 18 | 24 | 7 | 18 | 9 | 8 | 26 | 20 | 4 | 20 | 11 | 16 |

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 | 2011 | -1.76 | 17 | 7.39 | 25 | -5.9 | 18 | 6.2 | 24 | -0.32 | -0.8 | 17 | 14.9 | 9 | 6.37 |
| | 1951-2010 | -4.07 | 29 1997 | 11.10 | 4 1968 | -5.5 | g.d. a.d. | 8.7 | g.d. a.d. | 1.32 | -2.4 | 28 1997 | 20.7 | 4 1968 | 7.20 |
| Gen | 2011 | -0.23 | 23 | 5.36 | 11 | -3.8 | 23 | 4.8 | 10 | 0.10 | 2.4 | 6 | 10.8 | 19 | 6.44 |
| | 1951-2010 | -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 | 2011 | 2.94 | 2 | 7.37 | 19 | -1.7 | 2 | 4.9 | 14 | 1.34 | 5.6 | 16 | 16.0 | 7 | 10.99 |
| | 1951-2010 | -6.30 | 11 1956 | 13.30 | 22 1959 | -7.6 | 16 1956 | 8.4 | 26 1990 | 1.21 | -5.1 | 11 1956 | 21.0 | 22 2001 | 8.93 |
| Mar | 2011 | 3.24 | 3 | 14.69 | 31 | -1.4 | 9 | 9.3 | 27 | 4.85 | 5.3 | 3 | 22.6 | 18 | 14.59 |
| | 1951-2010 | -3.27 | 6 1971 | 18.56 | 21 2002 | -7.1 | 6 1971 | 12.2 | 21 1990 | 4.26 | 0.2 | 6 1971 | 27.7 | 19 2005 | 13.10 |
| Apr | 2011 | 12.01 | 15 | 23.04 | 9 | 6.6 | 15 | 13.6 | 8 | 10.48 | 16.3 | 23 | 32.9 | 8 | 23.15 |
| | 1951-2010 | 2.25 | 12 1958 | 21.05 | 24 2007 | -0.7 | 8 1956 | 16.6 | 22 2007 | 7.61 | 3.8 | 12 1986 | 27.7 | 24 2007 | 16.47 |
| Mag | 2011 | 16.71 | 5 | 24.95 | 24 | 9.3 | 1 | 18.3 | 26 | 13.72 | 21.3 | 5 | 32.3 | 25 | 26.45 |
| | 1951-2010 | 6.35 | 4 1975 | 26.30 | 25 2009 | 2.8 | 5 1979 | 20.2 | 25 2009 | 11.73 | 7.9 | 6 1975 | 34.0 | 25 2009 | 20.74 |
| Giù | 2011 | 14.70 | 1 | 27.29 | 28 | 12.8 | 1 | 20.5 | 28 | 16.38 | 16.6 | 1 | 32.6 | 28 | 26.39 |
| | 1951-2010 | 9.87 | 5 1984 | 29.19 | 13 2003 | 7.0 | 18 1978 | 24.5 | 20 2002 | 15.31 | 11.3 | 5 1984 | 37.4 | 15 2003 | 24.79 |
| Lug | 2011 | 16.45 | 19 | 25.63 | 6 | 11.9 | 20 | 22.0 | 6 | 16.70 | 20.1 | 19 | 32.8 | 11 | 27.45 |
| | 1951-2010 | 12.85 | 19 1966 | 28.95 | 23 2006 | 9.8 | 20 1966 | 24.6 | 20 1992 | 17.77 | 15.0 | 19 1966 | 36.9 | 23 2006 | 27.64 |
| Ago | 2011 | 21.45 | 10 | 27.95 | 23 | 13.9 | 10 | 22.0 | 23 | 18.77 | 24.7 | 5 | 35.2 | 24 | 30.79 |
| | 1951-2010 | 13.90 | 21 2007 | 30.71 | 11 2003 | 9.8 | 22 1963 | 25.2 | 14 2003 | 17.43 | 15.3 | 21 2007 | 38.1 | 11 2003 | 26.89 |
| Set | 2011 | 17.38 | 19 | 24.45 | 9 | 11.6 | 21 | 19.9 | 1 | 16.30 | 21.6 | 18 | 32.7 | 9 | 28.08 |
| | 1951-2010 | 8.95 | 29 1965 | 25.40 | 10 1951 | 4.9 | 28 1972 | 21.5 | g.d. a.d. | 14.19 | 10.4 | 30 1952 | 32.6 | 13 1962 | 22.80 |
| Ott | 2011 | 7.92 | 25 | 20.57 | 3 | 3.7 | 24 | 15.3 | 3 | 9.35 | 8.7 | 25 | 29.3 | 11 | 20.27 |
| | 1951-2010 | 4.02 | 26 1981 | 20.60 | 1 2009 | 0.5 | 30 1997 | 17.7 | 1 2006 | 9.66 | 6.2 | 26 1981 | 28.7 | 3 1997 | 17.31 |
| Nov | 2011 | 4.78 | 27 | 12.17 | 6 | 0.9 | 19 | 11.1 | 6 | 4.53 | 7.8 | 21 | 17.6 | 9 | 12.36 |
| | 1951-2010 | -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 | 10.95 |

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 | | |
|-----|-------------------------------|------|-----------|---------|--------------------------------|------|-----------|---------|----------------------------|-----------|------|
| | 2011 | | 1951-2010 | | 2011 | | 1951-2010 | | 2011 | 1951-2010 | |
| | C° | data | C° | data | C° | data | C° | data | C° | C° | data |
| Dic | 1.6 | 24 | 0.3 | 17 1954 | 13.3 | 18 | 17.9 | 6 2002 | 20.8 | 24.3 | 2002 |
| Gen | 0.9 | 9 | 0.3 | 26 1954 | 11.8 | 24 | 21.5 | 19 2007 | 14.6 | 27.5 | 2007 |
| Feb | 2.6 | 16 | 0.5 | 23 1954 | 15.0 | 7 | 16.9 | 5 1999 | 17.7 | 26.0 | a.d. |
| Mar | 1.6 | 13 | 0.6 | 9 1967 | 17.2 | 18 | 19.1 | 19 2005 | 24.0 | 32.8 | 2005 |
| Apr | 3.7 | 23 | 0.5 | 5 1954 | 19.3 | gd | 18.6 | 19 2010 | 26.3 | 25.1 | 1984 |
| Mag | 6.4 | 31 | 0.4 | 31 1954 | 17.4 | 8 | 18.5 | 1 2009 | 23.0 | 26.1 | 2009 |
| Giu | 3.8 | 1 | 0.5 | 3 1957 | 14.9 | 26 | 18.1 | 13 1951 | 19.8 | 26.0 | 2006 |
| Lug | 3.2 | 17 | 0.9 | 30 1977 | 15.4 | 20 | 16.3 | 4 1998 | 20.9 | 23.5 | 2007 |
| Ago | 5.3 | 7 | 0.9 | 28 1977 | 16.0 | 4 | 18.3 | 12 2002 | 21.3 | 21.7 | 1979 |
| Set | 3.2 | 4 | 1.0 | 16 1953 | 15.7 | 20 | 17.4 | 12 2003 | 21.1 | 22.5 | 1962 |
| Ott | 1.7 | 25 | 0.2 | 24 2007 | 18.5 | 11 | 17.3 | 23 1978 | 25.6 | 28.2 | 1997 |
| Nov | 1.0 | 4 | 0.2 | 9 1955 | 10.8 | 16 | 15.9 | 17 1964 | 16.7 | 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 | 99.9 | 92.6 | 89.5 | 79.2 | 58.6 | 63.5 | 88.3 | 33.6 | 66.6 | 72.4 | 73.3 | 84.7 |
| 2 | 97.8 | 89.9 | 81.6 | 72.5 | 61.5 | 69.3 | 73.8 | 43.8 | 68.4 | 73.9 | 73.1 | 76.3 |
| 3 | 80.5 | 83.9 | 67.3 | 85.1 | 64.6 | 64.9 | 75.3 | 56.4 | 78.2 | 78.5 | 74.6 | 90.8 |
| 4 | 66.9 | 74.4 | 76.4 | 84.7 | 58.4 | 52.8 | 90.9 | 63.7 | 69.8 | 95.4 | 76.6 | 99.9 |
| 5 | 77.8 | 73.5 | 71.5 | 82.4 | 49.1 | 52.3 | 88.4 | 61.8 | 87.5 | 84.5 | 74.9 | 99.6 |
| 6 | 100.0 | 73.5 | 64.6 | 69.7 | 62.9 | 54.5 | 79.5 | 66.1 | 87.9 | 62.0 | 78.1 | 97.4 |
| 7 | 97.8 | 93.0 | 62.7 | 56.8 | 61.1 | 56.8 | 83.4 | 93.6 | 90.9 | 77.0 | 47.4 | 98.9 |
| 8 | 100.0 | 100.0 | 70.8 | 59.5 | 40.0 | 58.0 | 87.6 | 88.3 | 66.5 | 70.6 | 49.5 | 97.8 |
| 9 | 58.9 | 100.0 | 75.1 | 68.5 | 31.8 | 49.9 | 71.7 | 77.8 | 42.2 | 64.0 | 48.1 | 92.1 |
| 10 | 58.5 | 100.0 | 74.7 | 70.9 | 39.0 | 55.8 | 69.1 | 78.9 | 47.1 | 76.1 | 61.6 | 89.8 |
| <i>1° Dec</i> | <i>83.82</i> | <i>88.08</i> | <i>73.41</i> | <i>72.92</i> | <i>52.71</i> | <i>57.79</i> | <i>80.79</i> | <i>66.40</i> | <i>70.51</i> | <i>75.44</i> | <i>65.73</i> | <i>92.74</i> |
| 11 | 79.9 | 99.2 | 82.7 | 78.9 | 59.1 | 59.2 | 74.9 | 67.5 | 58.1 | 77.8 | 65.3 | 88.6 |
| 12 | 67.9 | 95.1 | 82.0 | 91.5 | 41.7 | 72.6 | 69.7 | 75.0 | 67.0 | 68.7 | 63.9 | 77.0 |
| 13 | 32.7 | 92.3 | 90.2 | 100.0 | 22.2 | 58.7 | 76.5 | 95.8 | 67.6 | 70.5 | 63.9 | 88.1 |
| 14 | 60.8 | 100.0 | 97.0 | 87.6 | 39.9 | 83.8 | 67.5 | 71.0 | 71.6 | 70.9 | 66.1 | 85.4 |
| 15 | 60.7 | 99.5 | 99.9 | 98.6 | 55.6 | 43.6 | 68.0 | 61.2 | 78.3 | 69.5 | 62.8 | 84.8 |
| 16 | 57.9 | 99.3 | 99.9 | 99.5 | 47.9 | 37.8 | 79.1 | 81.8 | 70.3 | 73.1 | 66.8 | 80.1 |
| 17 | 82.6 | 94.6 | 97.6 | 97.6 | 44.6 | 50.7 | 87.8 | 96.2 | 71.1 | 83.0 | 67.8 | 81.0 |
| 18 | 72.7 | 92.0 | 87.8 | 60.3 | 51.5 | 59.6 | 93.0 | 73.6 | 70.9 | 84.7 | 78.5 | 82.8 |
| 19 | 67.4 | 74.3 | 65.1 | 65.0 | 52.9 | 52.9 | 45.9 | 92.1 | 71.1 | 41.6 | 88.3 | 82.2 |
| 20 | 85.2 | 74.8 | 95.1 | 71.3 | 51.4 | 50.3 | 57.1 | 61.5 | 65.3 | 47.5 | 60.6 | 84.9 |
| <i>2° Dec</i> | <i>66.78</i> | <i>92.11</i> | <i>89.74</i> | <i>85.04</i> | <i>46.68</i> | <i>56.91</i> | <i>71.95</i> | <i>77.58</i> | <i>69.13</i> | <i>68.73</i> | <i>68.41</i> | <i>83.50</i> |
| 21 | 94.2 | 59.9 | 87.0 | 60.5 | 47.3 | 51.3 | 63.0 | 54.3 | 63.7 | 62.4 | 62.8 | 89.0 |
| 22 | 100.0 | 63.0 | 82.4 | 62.6 | 49.1 | 62.9 | 80.3 | 52.2 | 66.8 | 64.8 | 64.3 | 83.8 |
| 23 | 100.0 | 71.9 | 65.2 | 64.3 | 74.6 | 50.9 | 79.8 | 66.3 | 63.9 | 73.0 | 67.6 | 85.6 |
| 24 | 99.7 | 68.0 | 73.3 | 62.1 | 65.2 | 53.9 | 45.6 | 38.8 | 59.9 | 79.7 | 76.3 | 86.1 |
| 25 | 68.9 | 77.1 | 72.9 | 61.7 | 68.0 | 56.9 | 51.0 | 46.0 | 60.6 | 77.4 | 97.0 | 85.8 |
| 26 | 69.7 | 77.0 | 68.1 | 72.8 | 67.2 | 68.7 | 61.3 | 60.6 | 66.0 | 73.5 | 90.6 | 84.3 |
| 27 | 69.8 | 79.6 | 78.0 | 89.6 | 69.9 | 68.9 | 63.0 | 82.3 | 45.1 | 73.6 | 81.8 | 83.0 |
| 28 | 76.0 | 83.0 | 92.6 | 82.1 | 77.4 | 35.4 | 69.4 | 71.0 | 42.9 | 74.0 | 81.1 | 85.3 |
| 29 | 82.4 | 79.7 | | 81.5 | 83.8 | 54.7 | 78.9 | 66.8 | 53.4 | 74.8 | 84.6 | 87.8 |
| 30 | 84.8 | 86.9 | | 75.6 | 72.3 | 54.8 | 51.1 | 59.3 | 59.0 | 75.5 | 85.8 | 90.0 |
| 31 | 91.6 | 87.5 | | 63.0 | | 78.8 | | 62.2 | 64.7 | | 79.5 | |
| <i>3° Dec</i> | <i>85.19</i> | <i>75.78</i> | <i>77.46</i> | <i>70.53</i> | <i>67.48</i> | <i>57.90</i> | <i>64.34</i> | <i>59.98</i> | <i>58.73</i> | <i>72.87</i> | <i>79.21</i> | <i>86.07</i> |
| 2011 | 78.60 | 85.32 | 80.21 | 76.16 | 55.62 | 57.53 | 72.36 | 67.99 | 66.12 | 72.35 | 71.11 | 87.44 |
| 1951-2010 | 76.66 | 75.02 | 70.01 | 64.93 | 64.49 | 67.13 | 66.77 | 65.60 | 69.80 | 74.37 | 78.09 | 78.03 |
| min | 32.7 | 59.9 | 62.7 | 56.8 | 22.2 | 35.4 | 45.6 | 33.6 | 42.2 | 41.6 | 47.4 | 76.3 |
| giorno | 13 | 21 | 7 | 7 | 13 | 28 | 24 | 1 | 9 | 19 | 7 | 2 |
| Max | 100.0 | 100.0 | 99.9 | 100.0 | 83.8 | 83.8 | 93.0 | 96.2 | 90.9 | 95.4 | 97.0 | 99.9 |
| giorno | gd | gd | 16 | 13 | 29 | 14 | 18 | 17 | 7 | 4 | 25 | 4 |

Tab. IX. Umidità minime giornaliere (%).

| | DIC | GEN | FEB | MAR | APR | MAG | GIU | LUG | AGO | SET | OTT | NOV |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1 | 98 | 67 | 56 | 50 | 32 | 38 | 75 | 24 | 43 | 53 | 40 | 61 |
| 2 | 89 | 70 | 44 | 56 | 39 | 44 | 49 | 30 | 44 | 50 | 45 | 64 |
| 3 | 55 | 70 | 40 | 71 | 37 | 37 | 44 | 38 | 56 | 50 | 45 | 82 |
| 4 | 31 | 58 | 40 | 59 | 23 | 41 | 66 | 42 | 42 | 86 | 48 | 99 |
| 5 | 59 | 59 | 37 | 55 | 31 | 36 | 63 | 43 | 73 | 62 | 45 | 98 |
| 6 | 100 | 66 | 33 | 29 | 35 | 33 | 54 | 45 | 56 | 36 | 55 | 86 |
| 7 | 84 | 81 | 28 | 39 | 29 | 32 | 61 | 83 | 75 | 51 | <u>19</u> | 93 |
| 8 | 100 | 100 | 37 | 36 | 15 | 33 | 65 | 61 | 20 | 46 | 29 | 94 |
| 9 | 16 | 100 | 38 | 42 | 10 | 33 | 45 | 54 | 26 | 36 | 20 | 62 |
| 10 | 30 | 100 | 41 | 43 | 21 | 36 | 50 | 55 | 22 | 50 | 25 | 62 |
| 11 | 53 | 92 | 51 | 47 | 29 | 32 | 43 | 41 | 36 | 53 | 28 | 69 |
| 12 | 25 | 68 | 54 | 74 | 13 | 39 | 41 | 51 | 44 | 33 | 35 | 56 |
| 13 | <u>14</u> | 63 | 77 | 100 | <u>0</u> | 31 | 54 | 86 | 39 | 42 | 27 | 63 |
| 14 | 31 | 100 | 86 | 61 | 17 | 49 | 46 | 38 | 48 | 41 | 46 | 58 |
| 15 | 39 | 92 | 97 | 89 | 32 | <u>14</u> | 47 | 31 | 48 | 44 | 48 | 56 |
| 16 | 37 | 94 | 98 | 94 | 30 | 19 | 51 | 62 | 44 | 50 | 41 | <u>49</u> |
| 17 | 57 | 69 | 87 | 87 | 29 | 29 | 66 | 86 | 46 | 52 | 44 | <u>49</u> |
| 18 | 35 | 64 | 52 | <u>19</u> | 29 | 34 | 76 | 48 | 44 | 46 | 50 | 56 |
| 19 | 55 | <u>20</u> | 30 | 31 | 27 | 27 | <u>18</u> | 79 | 43 | 30 | 83 | 52 |
| 20 | 66 | 29 | 81 | 46 | 28 | 28 | 41 | 27 | 41 | 22 | <u>19</u> | 60 |
| 21 | 83 | 25 | 59 | 36 | 27 | 30 | 37 | 32 | 39 | 28 | 28 | 75 |
| 22 | 100 | 36 | 59 | 34 | 25 | 42 | 61 | 30 | 43 | 35 | 48 | 63 |
| 23 | 100 | 44 | <u>15</u> | 35 | 53 | 29 | 61 | 46 | 43 | <u>0</u> | 42 | 58 |
| 24 | 92 | 40 | 43 | 33 | 38 | 32 | 21 | <u>21</u> | 33 | 53 | 50 | 54 |
| 25 | 49 | 54 | 44 | 33 | 40 | 35 | 35 | <u>21</u> | 34 | 50 | 94 | 57 |
| 26 | 22 | 50 | 45 | 49 | 29 | 38 | 39 | 46 | 34 | 45 | 71 | 56 |
| 27 | 43 | 59 | 62 | 79 | 41 | 34 | 43 | 69 | <u>19</u> | 45 | 54 | 53 |
| 28 | 47 | 68 | 81 | 53 | 44 | 17 | 51 | 47 | <u>19</u> | 47 | 44 | 54 |
| 29 | 58 | 70 | | 54 | 64 | 38 | 52 | 38 | 26 | 46 | 56 | 64 |
| 30 | 54 | 73 | | 39 | 37 | 29 | <u>18</u> | 37 | 33 | 48 | 68 | 68 |
| 31 | 66 | 58 | | 36 | | 57 | | 36 | 44 | | 58 | |
| 2011 | 57.68 | 65.77 | 54.11 | 51.90 | 30.13 | 33.74 | 49.10 | 46.68 | 40.55 | 44.33 | 45.32 | 65.70 |
| 1957-2010 | 60.43 | 58.47 | 50.94 | 45.22 | 45.63 | 48.95 | 48.19 | 47.33 | 50.49 | 54.91 | 59.09 | 61.26 |
| min | 14 | 20 | 15 | 19 | 0 | 14 | 18 | 21 | 19 | 0 | 19 | 49 |
| giorno | 13 | 19 | 23 | 18 | 13 | 15 | g.d. | g.d. | g.d. | 23 | g.d. | g.d. |
| Max | 100 | 100 | 98 | 100 | 64 | 57 | 76 | 86 | 75 | 86 | 94 | 99 |
| giorno | g.d. | g.d. | 16 | 13 | 29 | 31 | 18 | g.d. | 7 | 4 | 25 | 4 |

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 | 8.2 | 0.2 | 0.2 | / | / | / | 52.4 | / | / | / | / | / |
| 2 | 0.2 | 0.2 | 0.2 | / | / | 1.0 | 0.2 | / | / | / | / | / |
| 3 | / | / | / | 4.0 | / | / | 7.0 | / | 3.2 | 1.8 | / | 17.4 |
| 4 | / | / | / | 1.6 | / | / | 36.8 | / | / | 8.2 | / | 108.8 |
| 5 | 0.4 | / | / | / | / | / | 12.8 | / | 43.2 | 1.6 | / | 132.0 |
| 6 | 13.4 | / | / | / | / | / | 2.8 | 0.8 | 19.4 | / | / | 19.8 |
| 7 | 0.4 | 3.4 | / | / | / | / | 3.0 | 75.0 | 15.0 | / | 9.0 | 61.6 |
| 8 | 2.0 | 14.8 | / | / | / | / | 1.8 | 12.6 | / | / | / | 55.4 |
| 9 | / | 17.8 | / | / | / | / | 0.4 | / | / | / | / | 10.0 |
| 10 | 0.2 | 8.2 | / | / | / | / | / | 16.4 | / | / | / | 0.2 |
| 11 | / | 0.4 | / | / | / | / | 6.2 | / | / | 2.0 | / | 0.2 |
| 12 | / | 0.4 | / | 7.2 | / | 2.0 | 3.6 | 2.6 | / | / | / | / |
| 13 | / | / | / | 31.4 | / | 33.2 | 0.8 | 51.2 | / | / | / | / |
| 14 | / | / | / | 0.4 | / | 40.8 | / | 0.2 | 0.2 | / | / | / |
| 15 | / | 0.2 | 33.4 | 35.0 | / | 0.6 | / | / | 28.8 | / | / | / |
| 16 | / | / | 19.0 | 57.0 | / | / | 8.2 | 5.2 | / | / | / | / |
| 17 | / | 0.2 | 0.8 | 1.8 | / | / | 53.8 | 38.4 | / | 9.6 | / | / |
| 18 | 2.2 | / | 0.2 | / | / | / | 10.6 | 0.8 | / | 9.6 | / | / |
| 19 | / | / | / | 0.4 | / | / | / | 46.0 | / | / | 0.4 | / |
| 20 | 0.2 | / | 7.6 | / | / | / | / | / | / | / | / | / |
| 21 | 12.8 | / | / | / | / | / | / | / | / | / | / | / |
| 22 | 26.6 | / | 0.2 | / | / | / | 2.0 | / | / | / | / | / |
| 23 | 58.2 | / | / | / | 0.4 | / | 1.0 | 0.4 | / | / | / | / |
| 24 | 30.4 | / | / | / | / | / | / | / | / | / | 2.2 | / |
| 25 | / | / | / | / | / | / | / | / | / | / | 55.6 | / |
| 26 | 1.4 | / | / | / | 1.0 | 0.6 | / | / | / | / | 0.6 | / |
| 27 | / | / | / | 14.0 | 2.2 | 1.4 | / | 15.6 | / | / | / | / |
| 28 | / | / | 1.6 | 0.2 | 6.6 | / | / | 1.0 | / | / | / | / |
| 29 | / | 0.4 | 0.0 | / | 10.2 | / | 10.4 | 0.2 | / | / | / | / |
| 30 | / | / | / | 1.0 | 3.4 | / | / | / | / | / | / | / |
| 31 | / | / | / | / | / | 13.6 | / | / | / | / | / | / |
| 2011 | 156.6 | 46.2 | 63.2 | 154.0 | 23.8 | 93.2 | 213.8 | 266.4 | 109.8 | 32.8 | 67.8 | 405.4 |
| 1955-2010 | 80.5 | 70.6 | 77.8 | 108.8 | 178.5 | 185.3 | 173.7 | 130.4 | 158.2 | 198.3 | 210.3 | 176.1 |
| Max | 58.2 | 17.8 | 33.4 | 57.0 | 10.2 | 40.8 | 53.8 | 75.0 | 43.2 | 9.6 | 55.6 | 132.0 |
| giorno | 23 | 9 | 15 | 16 | 29 | 14 | 17 | 7 | 5 | gd | 25 | 5 |

P = pioggia

p = piovigine

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 | 14.04 | 0.00 | 0.00 | / / | / / | / / | 14.49 | / / | / / | / / | / / | / / |
| 2 | 0.00 | 0.00 | 0.00 | / / | / / | 0.27 | 0.00 | / / | / / | / / | / / | / / |
| 3 | / / | / / | / / | 8.08 | / / | / / | 1.56 | / / | 0.45 | 0.55 | / / | 10.29 |
| 4 | / / | / / | / / | 3.12 | / / | / / | 14.14 | / / | / / | 6.04 | / / | 23.49 |
| 5 | 0.33 | / / | / / | / / | / / | / / | 8.10 | / / | 6.52 | 3.25 | / / | 23.53 |
| 6 | 16.37 | / / | / / | / / | / / | / / | 2.36 | 0.05 | 2.19 | / / | / / | 16.42 |
| 7 | 1.40 | 7.47 | / / | / / | / / | / / | 3.56 | 8.14 | 2.46 | / / | 0.39 | 18.04 |
| 8 | 8.46 | 20.12 | / / | / / | / / | / / | 2.53 | 9.50 | / / | / / | / / | 19.36 |
| 9 | / / | 21.04 | / / | / / | / / | / / | 1.04 | / / | / / | / / | / / | 5.10 |
| 10 | 0.00 | 12.32 | / / | / / | / / | / / | / / | 3.15 | / / | / / | / / | 0.00 |
| 11 | / / | 0.00 | / / | / / | / / | / / | 3.48 | / / | / / | 1.58 | / / | 0.00 |
| 12 | / / | 0.00 | / / | 3.19 | / / | 0.57 | 1.57 | 2.49 | / / | / / | / / | / / |
| 13 | / / | / / | / / | 23.27 | / / | 3.40 | 1.14 | 13.09 | / / | / / | / / | / / |
| 14 | / / | / / | / / | 0.00 | / / | 8.08 | / / | 0.00 | 0.00 | / / | / / | / / |
| 15 | / / | 0.00 | 19.27 | 20.47 | / / | 0.33 | / / | / / | 3.49 | / / | / / | / / |
| 16 | / / | / / | 23.43 | 19.07 | / / | / / | 4.44 | 4.28 | / / | / / | / / | / / |
| 17 | / / | 0.00 | 2.43 | 5.07 | / / | / / | 5.35 | 10.56 | / / | 6.51 | / / | / / |
| 18 | 1.03 | / / | 0.00 | / / | / / | / / | 5.42 | 0.55 | / / | 4.30 | / / | / / |
| 19 | / / | / / | / / | 0.07 | / / | / / | / / | 8.20 | / / | / / | 0.10 | / / |
| 20 | 0.00 | / / | 8.01 | / / | / / | / / | / / | / / | / / | / / | / / | / / |
| 21 | 13.41 | / / | / / | / / | / / | / / | / / | / / | / / | / / | / / | / / |
| 22 | 23.43 | / / | 0.00 | / / | / / | / / | 1.24 | / / | / / | / / | / / | / / |
| 23 | 23.51 | / / | / / | / / | 0.00 | / / | 0.43 | 0.12 | / / | / / | / / | / / |
| 24 | 23.00 | / / | / / | / / | / / | / / | / / | / / | / / | / / | 4.14 | / / |
| 25 | / / | / / | / / | / / | / / | / / | / / | / / | / / | / / | 23.47 | / / |
| 26 | 0.55 | / / | / / | / / | 0.39 | 0.15 | / / | / / | / / | / / | 1.25 | / / |
| 27 | / / | / / | / / | 6.18 | 1.46 | 0.48 | / / | 5.26 | / / | / / | / / | / / |
| 28 | / / | / / | 5.29 | 0.00 | 4.53 | / / | / / | 0.47 | / / | / / | / / | / / |
| 29 | / / | 1.48 | 0.00 | / / | 8.27 | / / | 3.20 | 0.00 | / / | / / | / / | / / |
| 30 | / / | / / | / / | 0.49 | 3.10 | / / | / / | / / | / / | / / | / / | / / |
| 31 | / / | / / | / / | / / | / / | 6.33 | / / | / / | / / | / / | / / | / / |
| 2011 | 127:53 | 63:23 | 59:23 | 90:21 | 18:55 | 21:21 | 78:05 | 68:26 | 16:31 | 23:43 | 30:15 | 117:43 |
| 1955-2010 | 62:02 | 61:35 | 61:17 | 68:47 | 88:46 | 82:23 | 54:18 | 31:25 | 40:58 | 55:17 | 81:22 | 88:40 |
| Max | 23:51 | 21:04 | 23:43 | 23:27 | 8:27 | 8:08 | 14:49 | 13:09 | 6:52 | 6:51 | 23:47 | 23:53 |
| giorno | 23 | 9 | 16 | 13 | 29 | 14 | 1 | 13 | 5 | 17 | 25 | 5 |

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 | 4.20 | / | 2.52 | / | 0.84 | 1.68 | 0.84 | 0.84 | 0.84 | / | 11.76 |
| Gen | 5.88 | / | / | 0.84 | 0.84 | 1.68 | / | / | / | / | 9.24 |
| Feb | 3.36 | 0.84 | 0.84 | / | 0.84 | / | 0.84 | 0.84 | / | / | 7.56 |
| Mar | 2.52 | 0.84 | 1.68 | 0.84 | 0.84 | 0.84 | / | 1.68 | 0.84 | / | 10.08 |
| Apr | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | 0.84 | / | / | / | / | 5.04 |
| Mag | 1.68 | 0.84 | 1.68 | / | / | 0.84 | / | 1.68 | / | / | 6.72 |
| Giu | 1.68 | 1.68 | 3.36 | 0.84 | 2.52 | 2.52 | / | 0.84 | 1.68 | / | 15.13 |
| Lug | 2.52 | 2.52 | 0.84 | 0.84 | / | 2.52 | / | 1.68 | 1.68 | / | 12.61 |
| Ago | 0.84 | / | / | 0.84 | / | 0.84 | 1.68 | 0.84 | / | / | 5.04 |
| Set | / | / | 2.52 | / | 2.52 | / | / | / | / | / | 5.04 |
| Ott | 1.68 | / | 0.84 | / | 0.84 | / | / | / | 0.84 | / | 4.20 |
| Nov | 1.68 | / | / | / | 0.84 | 0.84 | 0.84 | / | 1.68 | 1.68 | 7.56 |
| 2011 | 26.89 | 7.56 | 15.13 | 5.04 | 10.92 | 12.61 | 4.20 | 8.40 | 7.56 | 1.68 | 100.00 |
| 1951-2010 | 17.60 | 7.83 | 13.27 | 13.52 | 10.84 | 12.25 | 9.73 | 8.09 | 5.59 | 1.28 | 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 | 974.0 | 994.0 | 996.5 | 995.4 | 997.1 | 980.2 | 991.6 | 988.2 | 988.0 | 989.7 | 1000.5 | 996.0 |
| 2 | 979.9 | 990.4 | 997.0 | 997.9 | 994.9 | 981.2 | 995.9 | 986.8 | 991.7 | 990.1 | 998.5 | 995.1 |
| 3 | 981.8 | 995.7 | 999.8 | 1000.8 | 989.8 | <u>979.6</u> | 996.2 | 985.9 | 992.5 | 990.3 | 998.2 | 992.7 |
| 4 | 991.3 | 995.3 | 1002.6 | 1001.6 | 989.8 | <u>987.1</u> | 992.9 | 987.7 | 989.2 | 988.5 | 996.8 | 988.7 |
| 5 | 994.2 | 995.0 | 1001.9 | 993.7 | 998.5 | 996.8 | 988.4 | 986.5 | 989.8 | 989.7 | 995.9 | <u>987.5</u> |
| 6 | 984.4 | 996.0 | 1001.7 | 991.3 | 1001.7 | 1000.5 | 985.3 | 986.5 | 987.2 | 996.2 | 991.5 | 988.5 |
| 7 | 983.5 | 998.5 | 1000.0 | 1005.4 | 998.0 | 997.3 | 982.7 | 987.4 | <u>984.1</u> | 990.2 | <u>984.4</u> | 993.3 |
| 8 | 984.3 | 997.3 | 995.5 | 1007.1 | 990.7 | 992.4 | <u>982.4</u> | 989.5 | 984.2 | 986.5 | 988.2 | 996.6 |
| 9 | 987.0 | 996.5 | 996.5 | 999.1 | 989.7 | 1001.2 | 985.7 | 992.9 | 990.8 | 987.9 | 992.1 | 998.1 |
| 10 | 997.3 | 994.6 | 997.1 | 996.9 | 991.2 | 1001.5 | 988.5 | 992.1 | 995.5 | 991.5 | 995.5 | 994.9 |
| <i>1^a Dec</i> | 985.8 | 995.3 | 998.9 | 998.9 | 994.2 | 991.8 | 989.0 | 988.4 | 989.3 | 990.1 | 994.2 | 993.2 |
| 11 | 993.4 | 989.4 | 994.7 | 996.5 | 993.9 | 995.5 | 988.7 | 990.5 | 994.1 | 991.0 | 993.7 | 999.0 |
| 12 | 982.6 | 993.9 | 991.8 | 995.0 | 988.5 | 991.6 | 991.1 | 990.1 | 988.7 | 990.3 | 990.6 | 1006.5 |
| 13 | 987.2 | 993.3 | 989.6 | 991.0 | 991.0 | 991.8 | 990.9 | 985.2 | 986.4 | 990.8 | 993.0 | 1007.4 |
| 14 | 992.5 | 995.0 | 986.3 | 994.3 | 988.3 | 990.4 | 991.5 | 986.0 | 986.7 | 989.6 | 1000.4 | 1001.0 |
| 15 | 992.6 | 999.0 | 981.2 | 992.6 | 990.7 | 989.3 | 993.0 | 989.1 | 987.7 | 991.0 | 1003.4 | 995.2 |
| 16 | 987.8 | 1004.9 | <u>976.2</u> | 981.8 | 993.9 | 995.5 | 991.5 | 989.0 | 991.4 | 991.7 | 1001.9 | 996.9 |
| 17 | 975.5 | 1002.3 | 978.5 | <u>980.6</u> | 996.6 | 995.8 | 989.9 | 981.7 | 991.8 | 989.8 | 999.8 | 999.7 |
| 18 | 977.3 | 999.5 | 983.7 | 988.9 | 995.7 | 994.6 | 984.6 | <u>980.2</u> | 992.2 | <u>980.6</u> | 997.1 | 999.7 |
| 19 | 986.9 | 995.5 | 986.5 | 993.2 | 992.3 | 993.4 | 986.1 | 980.6 | 993.1 | 981.6 | 993.5 | 998.9 |
| 20 | 986.3 | 994.8 | 986.9 | 1000.2 | 993.5 | 993.7 | 992.3 | 980.4 | 994.6 | 992.3 | 992.6 | 998.7 |
| <i>2^a Dec</i> | 986.2 | 996.7 | 985.5 | 991.4 | 992.4 | 993.2 | 990.0 | 985.3 | 990.7 | 988.9 | 996.6 | 1000.3 |
| 21 | 988.6 | 996.1 | 985.9 | 1004.6 | 993.0 | 993.8 | 994.3 | 981.7 | 994.9 | 993.9 | 999.6 | 997.5 |
| 22 | 985.3 | 995.1 | 985.4 | 1008.6 | 989.5 | 993.9 | 993.3 | 982.5 | 993.5 | 991.6 | 998.5 | 996.6 |
| 23 | 975.8 | 994.1 | 993.3 | 1008.0 | 991.1 | 996.1 | 991.2 | 981.6 | 992.4 | 991.5 | 996.0 | 998.3 |
| 24 | <u>968.0</u> | 993.0 | 998.5 | 1006.3 | 990.7 | 995.2 | 991.0 | 981.2 | 991.1 | 992.1 | 993.1 | 1004.4 |
| 25 | 976.5 | 991.0 | 997.7 | 996.7 | 989.5 | 995.3 | 996.6 | 983.4 | 990.1 | 995.3 | 988.4 | 1003.8 |
| 26 | 990.3 | <u>984.9</u> | 995.3 | 990.2 | 986.8 | 992.2 | 996.6 | 987.6 | 986.9 | 998.5 | 990.5 | 1003.2 |
| 27 | 997.9 | 988.0 | 988.8 | 990.3 | 987.5 | 986.5 | 994.8 | 992.4 | 985.6 | 1001.0 | 995.9 | 1002.0 |
| 28 | 997.4 | 991.8 | 993.5 | 987.3 | 987.3 | 988.3 | 989.4 | 990.4 | 992.1 | 1001.9 | 1001.0 | 1001.5 |
| 29 | 998.2 | 993.8 | | 991.1 | 985.2 | 993.2 | 988.2 | 989.2 | 988.8 | 1001.6 | 1000.9 | 1001.0 |
| 30 | 999.1 | 991.4 | | 992.6 | <u>982.6</u> | 993.2 | 987.2 | 986.4 | 986.7 | 1001.4 | 998.5 | 1002.7 |
| 31 | 997.8 | 994.1 | | 996.3 | | 990.5 | | 986.3 | 988.0 | | 996.8 | |
| <i>3^a Dec</i> | 988.6 | 992.1 | 992.3 | 997.4 | 988.3 | 992.6 | 992.3 | 985.7 | 990.0 | 996.9 | 996.3 | 1001.1 |
| 2011 | 986.9 | 994.7 | 992.2 | 995.9 | 991.6 | 992.5 | 990.4 | 986.4 | 990.0 | 991.9 | 995.7 | 998.2 |
| 1951-2010 | 993.5 | 994.2 | 992.4 | 991.4 | 989.3 | 990.5 | 990.9 | 991.0 | 991.1 | 993.0 | 994.0 | 993.2 |
| min | 968.0 | 984.9 | 976.2 | 980.6 | 982.6 | 979.6 | 982.4 | 980.2 | 984.1 | 980.6 | 984.4 | 987.5 |
| giorno | 24 | 26 | 16 | 17 | 30 | 3 | 8 | 18 | 7 | 18 | 7 | 5 |
| Max | 999.1 | 1004.9 | 1002.6 | 1008.6 | 1001.7 | 1001.5 | 996.6 | 992.9 | 995.5 | 1001.9 | 1003.4 | 1007.4 |
| giorno | 30 | 16 | 4 | 22 | 6 | 10 | 26 | 9 | 10 | 28 | 15 | 13 |

Tab. XV. Pressioni minime giornaliere (millibar).

| | DIC | GEN | FEB | MAR | APR | MAG | GIU | LUG | AGO | SET | OTT | NOV |
|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1 | 970 | 990 | 994 | 993 | 995 | <u>978</u> | 988 | 986 | 987 | 988 | 998 | 994 |
| 2 | 976 | 989 | 995 | 996 | 992 | 979 | 995 | 984 | 990 | 988 | 997 | 994 |
| 3 | 980 | 993 | 999 | 1000 | 987 | 978 | 994 | 984 | 991 | 989 | 996 | 990 |
| 4 | 986 | 994 | 1000 | 999 | 988 | 982 | 990 | 987 | 987 | 987 | 994 | 987 |
| 5 | 989 | 994 | 1000 | 991 | 995 | 993 | 985 | 985 | 988 | 987 | 994 | <u>985</u> |
| 6 | 982 | 995 | 1000 | 989 | 1000 | 999 | 984 | 985 | 985 | 995 | 984 | 987 |
| 7 | 982 | 997 | 998 | 999 | 994 | 994 | 981 | 986 | 983 | 987 | <u>979</u> | 990 |
| 8 | 984 | 996 | 993 | 1002 | 988 | 988 | <u>981</u> | 987 | 983 | 985 | 986 | 995 |
| 9 | 981 | 996 | 995 | 996 | 988 | 999 | 984 | 992 | 988 | 986 | 988 | 997 |
| 10 | 995 | 993 | 995 | 995 | 989 | 999 | 987 | 990 | 994 | 990 | 994 | 993 |
| 11 | 987 | 987 | 993 | 995 | 992 | 992 | 987 | 989 | 991 | 988 | 992 | 994 |
| 12 | 980 | 989 | 990 | 993 | 983 | 990 | 990 | 987 | 986 | 989 | 988 | 1005 |
| 13 | 984 | 991 | 988 | 990 | 989 | 990 | 990 | 981 | 985 | 988 | 989 | 1005 |
| 14 | 991 | 993 | 984 | 991 | 986 | 987 | 990 | 984 | 986 | 988 | 998 | 998 |
| 15 | 991 | 995 | 979 | 989 | 989 | 985 | 992 | 988 | 986 | 990 | 1001 | 993 |
| 16 | 982 | 1003 | <u>974</u> | 978 | 992 | 994 | 989 | 986 | 990 | 990 | 1000 | 996 |
| 17 | 973 | 1001 | <u>974</u> | <u>977</u> | 995 | 994 | 987 | <u>979</u> | 990 | 986 | 998 | 999 |
| 18 | 972 | 998 | 982 | <u>986</u> | 992 | 992 | 982 | 979 | 991 | <u>977</u> | 995 | 998 |
| 19 | 985 | 993 | 985 | 991 | 989 | 992 | 983 | 979 | 992 | 978 | 989 | 998 |
| 20 | 985 | 993 | 986 | 998 | 992 | 992 | 991 | 979 | 993 | 989 | 989 | 997 |
| 21 | 987 | 995 | 985 | 1003 | 991 | 992 | 993 | 980 | 993 | 992 | 998 | 996 |
| 22 | 983 | 993 | 984 | 1007 | 988 | 992 | 991 | 981 | 991 | 990 | 997 | 995 |
| 23 | 967 | 993 | 990 | 1006 | 989 | 995 | 990 | 980 | 990 | 989 | 994 | 996 |
| 24 | <u>965</u> | 991 | 997 | 1003 | 989 | 992 | 989 | 980 | 989 | 991 | 992 | 1002 |
| 25 | 970 | 987 | 995 | 992 | 987 | 993 | 995 | 982 | 988 | 994 | 987 | 1002 |
| 26 | 985 | <u>983</u> | 990 | 987 | 984 | 989 | 994 | 985 | 983 | 997 | 988 | 1002 |
| 27 | 996 | 987 | 988 | 989 | 985 | 983 | 992 | 991 | <u>980</u> | 999 | 994 | 1000 |
| 28 | 995 | 990 | 991 | 986 | 986 | 987 | 986 | 988 | 991 | 1000 | 1000 | 1000 |
| 29 | 997 | 992 | | 989 | 984 | 991 | 986 | 987 | 986 | 1000 | 999 | 999 |
| 30 | 998 | 990 | | 991 | <u>980</u> | 991 | 986 | 984 | 985 | 1000 | 997 | 1001 |
| 31 | 996 | 993 | | 994 | | 989 | | 985 | 987 | | 995 | |
| 1951-2010 | 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 | 965 | 983 | 974 | 977 | 980 | 978 | 981 | 979 | 980 | 977 | 979 | 985 |
| giorno | 24 | 26 | 16 | 17 | 30 | 1 | 8 | 17 | 27 | 18 | 7 | 5 |
| Max | 998 | 1003 | 1000 | 1007 | 1000 | 999 | 995 | 992 | 994 | 1000 | 1001 | 1005 |
| giorno | 30 | 16 | 5 | 22 | 6 | 10 | 25 | 9 | 10 | 30 | 15 | 13 |

Tab. XVI. Pressioni massime giornaliere (millibar).

| | DIC | GEN | FEB | MAR | APR | MAG | GIU | LUG | AGO | SET | OTT | NOV |
|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1 | 980 | 997 | 999 | 997 | 999 | <u>982</u> | 995 | 990 | 990 | 991 | 1002 | 997 |
| 2 | 983 | 994 | 1000 | 1001 | 998 | 983 | 997 | 989 | 994 | 991 | 1000 | 996 |
| 3 | 986 | 998 | 1001 | 1004 | 992 | 982 | 998 | 987 | 994 | 992 | 1000 | 994 |
| 4 | 998 | 997 | 1005 | 1004 | 995 | 993 | 995 | 989 | 992 | 990 | 998 | 990 |
| 5 | 998 | 997 | 1003 | 999 | 1002 | 1001 | 991 | 988 | 991 | 995 | 998 | <u>989</u> |
| 6 | 989 | 997 | 1003 | 997 | 1003 | 1002 | 986 | 988 | 989 | 999 | 996 | 990 |
| 7 | 985 | 999 | 1002 | 1010 | 1002 | 1001 | 986 | 989 | <u>985</u> | 995 | 990 | 996 |
| 8 | 986 | 999 | 998 | 1010 | 994 | 999 | <u>985</u> | 992 | 988 | 988 | <u>990</u> | 998 |
| 9 | 995 | 998 | 998 | 1002 | 991 | 1003 | 988 | 994 | 995 | 991 | 997 | 1000 |
| 10 | 1000 | 996 | 999 | 998 | 994 | 1003 | 990 | 994 | 997 | 993 | 997 | 997 |
| 11 | 999 | 993 | 996 | 998 | 996 | 1000 | 991 | 992 | 997 | 993 | 995 | 1005 |
| 12 | 987 | 997 | 993 | 996 | 992 | 993 | 992 | 992 | 992 | 992 | 993 | 1009 |
| 13 | 992 | 996 | 992 | 993 | 993 | 994 | 992 | 988 | 987 | 993 | 998 | 1009 |
| 14 | 995 | 996 | 988 | 996 | 990 | 994 | 993 | 989 | 988 | 991 | 1004 | 1005 |
| 15 | 995 | 1004 | 985 | 995 | 994 | 994 | 995 | 991 | 991 | 993 | 1006 | 998 |
| 16 | 992 | 1006 | <u>980</u> | 989 | 997 | 997 | 993 | 991 | 993 | 993 | 1003 | 999 |
| 17 | 982 | 1005 | 983 | <u>986</u> | 999 | 998 | 992 | 986 | 993 | 991 | 1003 | 1001 |
| 18 | 985 | 1001 | 986 | 993 | 999 | 997 | 987 | 982 | 993 | <u>987</u> | 999 | 1001 |
| 19 | 988 | 998 | 988 | 999 | 994 | 995 | 991 | <u>982</u> | 994 | 988 | 997 | 1000 |
| 20 | 989 | 996 | 988 | 1003 | 995 | 995 | 994 | 983 | 996 | 995 | 999 | 1000 |
| 21 | 990 | 997 | 987 | 1009 | 995 | 995 | 996 | 983 | 996 | 996 | 1001 | 999 |
| 22 | 987 | 997 | 989 | 1011 | 991 | 996 | 995 | 983 | 995 | 993 | 1001 | 998 |
| 23 | 983 | 995 | 998 | 1010 | 992 | 997 | 992 | 983 | 994 | 993 | 998 | 1003 |
| 24 | <u>970</u> | 995 | 1000 | 1009 | 992 | 997 | 995 | 984 | 993 | 994 | 995 | 1007 |
| 25 | 985 | 995 | 1000 | 1003 | 992 | 998 | 998 | 986 | 991 | 998 | 992 | 1006 |
| 26 | 996 | <u>987</u> | 999 | 993 | 989 | 995 | 998 | 991 | 990 | 1001 | 994 | 1005 |
| 27 | 1000 | 990 | 991 | 992 | 989 | 990 | 997 | 994 | 991 | 1003 | 1000 | 1004 |
| 28 | 999 | 994 | 996 | 990 | 988 | 991 | 993 | 992 | 994 | 1003 | 1003 | 1003 |
| 29 | 1000 | 996 | | 992 | 986 | 995 | 990 | 991 | 992 | 1003 | 1003 | 1002 |
| 30 | 1000 | 993 | | 994 | <u>985</u> | 996 | 989 | 989 | 988 | 1002 | 999 | 1005 |
| 31 | 999 | 997 | | 998 | | 992 | | 988 | 989 | | 998 | |
| 1951-2010 | 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 | 970 | 987 | 980 | 986 | 985 | 982 | 985 | 982 | 985 | 987 | 990 | 989 |
| giorno | 24 | 26 | 16 | 17 | 30 | 1 | 8 | 19 | 7 | 18 | 8 | 5 |
| Max | 1000 | 1006 | 1005 | 1011 | 1003 | 1003 | 998 | 994 | 997 | 1003 | 1006 | 1009 |
| giorno | 30 | 16 | 4 | 22 | 6 | 10 | 26 | 9 | 10 | 28 | 15 | 13 |

Tab. XVII. Escursioni bariche giornaliere (millibar).

| | DIC | GEN | FEB | MAR | APR | MAG | GIU | LUG | AGO | SET | OTT | NOV |
|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 1 | 9 | 7 | 4 | 5 | 4 | 4 | 7 | 4 | 4 | 3 | 4 | 3 |
| 2 | 7 | 5 | 4 | 5 | 5 | 4 | <u>2</u> | 5 | 3 | 3 | 3 | 3 |
| 3 | 5 | 4 | <u>2</u> | 4 | 5 | 4 | 3 | 3 | 3 | 3 | 4 | 4 |
| 4 | 12 | 3 | 4 | 5 | 7 | 11 | 6 | <u>2</u> | 5 | 3 | 4 | 4 |
| 5 | 9 | 3 | 3 | 8 | 7 | 7 | 6 | 3 | 3 | 8 | 4 | 4 |
| 6 | 7 | <u>2</u> | 2 | 9 | 3 | 2 | 2 | 3 | 4 | 4 | 11 | 3 |
| 7 | 3 | 3 | 4 | 11 | 8 | 6 | 5 | 2 | <u>1</u> | 8 | 11 | 6 |
| 8 | <u>2</u> | 2 | 5 | 8 | 5 | 11 | 4 | 5 | 6 | 3 | 4 | 3 |
| 9 | 14 | 2 | 3 | 6 | 4 | 4 | 4 | 2 | 7 | 5 | 9 | 2 |
| 10 | 4 | 3 | 3 | 4 | 4 | 4 | 2 | 3 | 3 | 3 | 4 | 5 |
| 11 | 12 | 5 | 3 | 3 | 5 | 8 | 4 | 3 | 5 | 5 | 3 | 10 |
| 12 | 7 | 7 | 4 | 3 | 9 | 3 | 3 | 5 | 5 | 3 | 5 | 4 |
| 13 | 7 | 5 | 4 | 3 | 4 | 3 | 2 | 6 | 3 | 4 | 9 | 4 |
| 14 | 4 | 3 | 4 | 5 | 5 | 6 | 3 | 4 | 2 | 3 | 6 | 7 |
| 15 | 4 | 8 | 5 | 7 | 5 | 9 | 3 | 3 | 6 | 2 | 5 | 4 |
| 16 | 9 | 2 | 6 | 11 | 5 | 3 | 4 | 5 | 3 | 3 | 4 | 4 |
| 17 | 10 | 4 | 9 | 9 | 4 | 4 | 4 | 7 | 3 | 5 | 6 | <u>2</u> |
| 18 | 13 | 3 | 4 | 7 | 7 | 4 | 5 | 3 | 3 | 10 | 3 | 3 |
| 19 | 3 | 5 | 3 | 8 | 5 | 3 | 8 | 3 | 2 | 10 | 7 | <u>2</u> |
| 20 | 4 | 2 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 6 | 10 | 3 |
| 21 | 2 | 3 | 3 | 7 | 4 | 3 | 2 | 3 | 3 | 5 | 3 | 2 |
| 22 | 5 | 4 | 6 | 4 | 4 | 3 | 4 | <u>2</u> | 4 | 3 | 4 | 3 |
| 23 | 15 | 2 | 8 | 4 | 3 | <u>2</u> | 2 | 3 | 4 | 4 | 3 | 6 |
| 24 | 5 | 4 | 3 | 6 | 3 | 5 | 6 | 4 | 4 | 3 | 3 | 4 |
| 25 | 15 | 7 | 4 | 11 | 5 | 4 | 3 | 4 | 3 | 4 | 4 | 5 |
| 26 | 11 | 5 | 9 | 5 | 5 | 6 | 4 | 5 | 6 | 3 | 7 | 3 |
| 27 | 4 | 3 | 3 | 3 | 4 | 6 | 5 | 3 | 11 | 3 | 6 | 5 |
| 28 | 4 | 4 | 6 | 4 | <u>2</u> | 4 | 6 | 4 | 3 | 3 | 3 | 2 |
| 29 | 2 | 3 | | <u>3</u> | 3 | 4 | 4 | 4 | 6 | 3 | 4 | 3 |
| 30 | 2 | 2 | | 3 | 5 | 5 | 3 | 5 | 3 | <u>2</u> | <u>2</u> | 4 |
| 31 | 3 | 4 | | 4 | | 3 | | 3 | 2 | | 3 | |
| 1951-2010 | 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 | 2 | 2 | 1 | 2 | 2 | 2 |
| giorno | 8 | 6 | 3 | 29 | 28 | 23 | 2 | 4 | 7 | 30 | 30 | 17 |
| Max | 15 | 8 | 9 | 11 | 9 | 11 | 8 | 7 | 11 | 10 | 11 | 10 |
| giorno | 23 | 15 | 17 | 7 | 12 | 4 | 19 | 17 | 27 | 19 | 6 | 11 |

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 | 125.1 | 97.1 | 88.3 | 183.7 | 135.2 | 129.1 | 190.6 | 192.6 | 131.5 | 121.2 | 76.4 | 101.3 |
| 2 | 130.6 | 138.4 | 61.5 | 212.0 | 107.5 | 106.2 | 93.8 | 152.0 | 130.3 | 85.6 | 90.5 | 168.5 |
| 3 | 222.2 | 103.1 | 73.0 | 102.5 | 105.6 | 124.9 | 156.1 | 192.1 | 166.4 | 94.7 | 80.3 | 132.9 |
| 4 | 114.9 | 98.2 | 69.9 | 128.2 | 123.0 | 205.6 | 148.4 | 129.4 | <u>94.5</u> | 170.1 | 80.5 | 308.4 |
| 5 | 122.2 | 110.9 | 61.3 | 112.1 | 152.8 | 171.5 | 122.9 | 237.2 | 133.6 | 136.3 | 84.2 | 458.4 |
| 6 | 86.9 | 109.3 | 63.1 | 94.0 | 91.9 | 122.1 | 242.9 | 115.9 | 107.9 | 106.8 | 121.0 | 237.4 |
| 7 | 89.7 | 85.6 | 63.5 | 160.1 | <u>76.1</u> | 119.9 | <u>83.2</u> | 135.2 | 127.2 | 77.7 | 379.1 | 187.0 |
| 8 | <u>67.5</u> | 90.0 | <u>53.3</u> | 117.4 | 128.9 | 121.6 | 95.4 | 133.3 | 169.7 | 84.1 | 173.5 | 198.5 |
| 9 | 227.0 | 83.5 | 61.0 | 101.7 | 173.0 | 191.9 | 153.2 | 156.1 | 171.6 | 83.2 | 175.3 | 101.8 |
| 10 | 113.3 | 93.3 | 69.8 | 96.5 | 160.7 | 111.7 | 100.1 | 182.5 | 128.1 | 85.0 | 98.0 | 87.7 |
| <i>1° Dec</i> | <i>1299.5</i> | <i>1009.4</i> | <i>664.7</i> | <i>1308.2</i> | <i>1254.6</i> | <i>1404.4</i> | <i>1386.5</i> | <i>1626.2</i> | <i>1360.7</i> | <i>1044.6</i> | <i>1358.9</i> | <i>1981.9</i> |
| 11 | 87.6 | 71.8 | 55.7 | 117.0 | 110.8 | 89.0 | 116.5 | <u>103.5</u> | 112.9 | 120.0 | 91.8 | 92.7 |
| 12 | 149.5 | 63.7 | 73.5 | 89.6 | 262.7 | 134.3 | 99.4 | 119.0 | 97.6 | 133.1 | <u>70.0</u> | 120.1 |
| 13 | 240.9 | 70.1 | 60.6 | 244.6 | 328.5 | 162.4 | 136.1 | 222.2 | 118.1 | 96.2 | 139.7 | 83.3 |
| 14 | 113.9 | 84.0 | 53.7 | 64.6 | 134.2 | 149.5 | 142.6 | 151.4 | 165.5 | 92.4 | 153.7 | 86.7 |
| 15 | 135.5 | 110.6 | 141.9 | 90.9 | 165.1 | 329.8 | 94.4 | 130.6 | 122.8 | 93.3 | 161.2 | 100.2 |
| 16 | 156.2 | 80.2 | 157.9 | 376.4 | 140.8 | 130.9 | 169.4 | 192.4 | 104.0 | 80.4 | 139.1 | 82.4 |
| 17 | 220.0 | 68.9 | 68.5 | <u>53.9</u> | 123.5 | 108.1 | 127.1 | 112.1 | 103.5 | 143.0 | 140.6 | 92.7 |
| 18 | 124.9 | <u>62.5</u> | 76.6 | 128.2 | 104.2 | 94.9 | 116.2 | 265.1 | 142.3 | 257.2 | 110.7 | 98.5 |
| 19 | 124.5 | 108.4 | 79.3 | 111.6 | 110.6 | 118.1 | 171.7 | 167.0 | 124.6 | 253.0 | 120.9 | 93.3 |
| 20 | 88.0 | 155.2 | 82.3 | 161.8 | 125.4 | 134.3 | 132.7 | 141.2 | 106.9 | 135.9 | 229.1 | 93.1 |
| <i>2° Dec</i> | <i>1441.0</i> | <i>875.5</i> | <i>850.0</i> | <i>1438.6</i> | <i>1605.7</i> | <i>1451.3</i> | <i>1305.9</i> | <i>1604.7</i> | <i>1198.1</i> | <i>1404.6</i> | <i>1356.8</i> | <i>943.0</i> |
| 21 | 115.9 | 155.3 | 105.0 | 153.1 | 103.3 | 135.2 | 115.7 | 130.1 | 101.0 | 100.4 | 123.4 | 89.5 |
| 22 | 104.0 | 121.9 | 129.6 | 109.4 | 103.6 | 143.7 | 127.0 | 176.9 | 117.2 | 92.7 | 98.8 | 117.0 |
| 23 | 144.4 | 101.2 | 102.0 | 102.8 | 114.3 | 125.3 | 154.1 | 131.2 | 199.2 | 80.5 | 125.8 | 93.3 |
| 24 | 110.0 | 112.0 | 88.9 | 94.6 | 106.4 | 128.9 | 194.4 | 245.5 | 120.6 | <u>76.7</u> | 152.1 | 83.6 |
| 25 | 223.4 | 112.3 | 102.0 | 153.4 | 141.5 | <u>86.9</u> | 148.8 | 125.4 | 175.0 | 76.9 | 225.6 | 86.2 |
| 26 | 186.2 | 109.2 | 81.4 | 140.8 | 167.7 | 292.7 | 100.7 | 110.9 | 123.4 | 84.8 | 95.7 | 89.5 |
| 27 | 116.7 | 151.4 | 155.0 | 87.6 | 141.6 | 240.3 | 109.1 | 113.0 | 379.6 | 79.3 | 89.7 | 82.7 |
| 28 | 135.0 | 164.0 | 86.2 | 108.3 | 214.2 | 208.6 | 104.6 | 147.8 | 122.1 | 88.2 | 80.0 | 78.0 |
| 29 | 101.3 | 118.9 | | 78.4 | 116.5 | 116.8 | 166.8 | 129.9 | 102.1 | 87.6 | 79.0 | 81.1 |
| 30 | 112.2 | 127.0 | | 81.0 | 146.8 | 114.5 | 188.5 | 153.0 | 97.8 | 95.7 | 102.8 | <u>76.6</u> |
| 31 | 88.6 | 92.2 | | 113.7 | | 216.4 | | 133.4 | 95.0 | | 107.5 | |
| <i>3° Dec</i> | <i>1437.7</i> | <i>1365.2</i> | <i>850.1</i> | <i>1223.1</i> | <i>1356.0</i> | <i>1809.4</i> | <i>1409.7</i> | <i>1597.1</i> | <i>1633.0</i> | <i>862.8</i> | <i>1280.4</i> | <i>877.5</i> |
| 2011 | 4178.2 | 3250.1 | 2364.7 | 3969.9 | 4216.4 | 4665.1 | 4102.1 | 4828.0 | 4191.8 | 3312.0 | 3996.1 | 3802.4 |
| 1997-2010 | 3898.6 | 3604.4 | 3308.7 | 4098.4 | 4544.3 | 4370.8 | 4267.2 | 4495.6 | 4174.9 | 3713.6 | 3517.9 | 3996.4 |
| Max | 240.9 | 164.0 | 157.9 | 376.4 | 328.5 | 329.8 | 242.9 | 265.1 | 379.6 | 257.2 | 379.1 | 458.4 |
| giorno | 13 | 28 | 16 | 16 | 13 | 15 | 6 | 18 | 27 | 18 | 7 | 5 |

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

| | DIC | GEN | FEB | MAR | APR | MAG | GIU | LUG | AGO | SET | OTT | NOV |
|------------------|------------|------------|----------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|
| 1 | ESE | WNW | W | SE | SE | SE | WNW | NE | SE | NE | SW | WNW |
| 2 | WNW | WNW | Var | ESE | SE | W | W | SE | SE | NE | Var | WNW |
| 3 | W | NE | NE | SE | SE | NE | WNW | SE | NE | SW | SW | W |
| 4 | NE | NE | NE | SE | NE | SE | WNW | SE | NE | W | SW | WNW |
| 5 | WNW | NE | W | SE | SE | NE | NE | SE | NE | W | SW | WNW |
| 6 | WNW | NE | S | Var | SE | S | W | SE | NE | NE | SE | WNW |
| 7 | WNW | WNW | W | S | SSW | SE | NE | NE | ESE | NNE | WNW | WNW |
| 8 | W | WNW | SW | SE | NNE | SW | NE | NE | NW | NE | NNE | WNW |
| 9 | NNE | W | W | Var | NNE | SSE | W | W | NE | SW | NE | W |
| 10 | NE | Var | NE | NE | SE | SE | W | W | NE | WSW | WNW | NE |
| 11 | WNW | WNW | W | SE | SE | Var | S | SW | SE | W | NE | ESE |
| 12 | Var | W | NE | W | WNW | NNE | Var | W | NE | NE | SW | SE |
| 13 | NNE | W | SE | WNW | ENE | S | SE | WNW | SE | SW | Var | NE |
| 14 | NE | ESE | W | W | SSE | NE | SE | NE | W | NE | Var | W |
| 15 | WNW | W | W | NE | SE | WNW | W | ENE | Var | NE | SE | WNW |
| 16 | WNW | W | WNW | W | SSE | NE | NE | W | NE | NE | WNW | W |
| 17 | WNW | W | NE | W | SSE | SE | NE | NE | SW | NE | S | WNW |
| 18 | WNW | W | S | NNE | SE | WSW | NE | WNW | W | NE | WNW | WNW |
| 19 | WNW | Var | S | S | SE | S | NNE | W | NE | NE | WNW | WNW |
| 20 | NE | SE | NE | SE | SE | SE | SE | WNW | NE | NE | NE | NE |
| 21 | WNW | WNW | W | SSE | Var | NE | SE | NE | NE | NE | NE | NE |
| 22 | NE | NE | SE | SE | SE | NE | NE | SE | NE | NE | NE | WNW |
| 23 | NE | WNW | NE | SE | W | SE | NE | S | W | NE | SSW | WNW |
| 24 | NE | WNW | S | SE | SE | SE | NE | ENE | WNW | SW | WNW | W |
| 25 | NE | WNW | Var | SE | SE | WSW | SE | SSE | W | SW | W | WNW |
| 26 | NE | WNW | NE | ESE | W | W | S | NE | W | SW | NE | WNW |
| 27 | Var | WNW | SE | NE | S | NE | SE | NE | W | SW | NE | WNW |
| 28 | WNW | W | SE | SE | W | Var | SE | NE | NE | NE | NE | W |
| 29 | WNW | ESE | | W | W | SE | NE | NE | NE | NE | NE | WNW |
| 30 | WNW | W | | W | W | S | ENE | SE | NE | SE | SE | WNW |
| 31 | WNW | Var | | SE | | W | | SE | WSW | | W | |
| 2011 | WNW | WNW | W | SE | SE | SE | NE | NE | NE | NE | NE | WNW |
| 1997-2010 | 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 | / | / | / | 36 | / | / | 40 | 35 | / | / | / | / |
| 2 | / | / | / | 33 | / | / | / | / | / | / | / | / |
| 3 | 31 | / | / | / | / | / | 32 | / | 44 | / | / | / |
| 4 | / | / | / | 32 | 40 | / | 36 | / | / | / | / | 45 |
| 5 | / | / | / | / | / | / | / | / | 31 | / | / | 50 |
| 6 | / | / | / | 31 | / | / | 37 | / | / | / | / | 37 |
| 7 | / | / | / | / | / | / | / | 46 | / | / | 85 | / |
| 8 | / | / | / | / | / | 45 | / | / | 51 | / | 44 | 33 |
| 9 | 56 | / | / | / | 42 | 31 | 36 | / | / | / | 35 | / |
| 10 | 42 | / | / | / | / | / | / | 57 | / | / | / | / |
| 11 | / | / | / | / | / | / | / | / | / | 43 | / | / |
| 12 | 43 | / | / | / | 74 | 47 | / | 31 | / | / | / | / |
| 13 | 40 | / | / | 31 | 49 | 41 | 32 | 96 | / | / | 40 | / |
| 14 | / | / | / | / | / | / | / | / | / | / | / | / |
| 15 | / | / | / | / | / | 57 | / | / | / | / | / | / |
| 16 | / | / | / | 49 | / | / | / | / | / | / | / | / |
| 17 | 31 | / | / | / | / | / | / | 33 | / | 68 | / | / |
| 18 | / | / | / | / | / | / | / | 32 | 36 | 67 | / | / |
| 19 | / | 35 | / | 42 | / | / | / | 34 | / | 40 | / | / |
| 20 | / | 32 | / | / | / | / | / | / | / | / | 41 | / |
| 21 | / | 31 | / | / | / | 33 | / | / | / | / | / | / |
| 22 | / | / | / | / | / | / | 34 | 36 | / | / | / | / |
| 23 | / | / | / | / | / | / | / | 31 | 43 | / | / | / |
| 24 | / | / | / | / | / | / | 31 | 37 | / | / | / | / |
| 25 | 35 | / | / | 32 | / | / | / | / | 55 | / | 31 | / |
| 26 | 35 | / | / | / | 30 | 53 | / | / | / | / | / | / |
| 27 | / | / | / | / | 31 | 48 | / | / | 51 | / | / | / |
| 28 | / | / | / | / | 34 | 31 | / | 30 | / | / | / | / |
| 29 | / | / | / | / | / | / | 52 | / | / | / | / | / |
| 30 | / | / | / | / | 32 | / | 34 | / | / | / | / | / |
| 31 | / | / | / | / | / | 41 | / | / | / | / | / | / |
| 1957-2010 | 82.1 | 79.2 | 79.6 | 87.1 | 70.3 | 75.6 | 86.8 | 89.0 | 101.0 | 68.8 | 70.2 | 82.4 |
| Data | 17 | 28 | 9 | 12 | 5 | 30 | 28 | 7 | 17 | 4 | g.d. | 19 |
| | 2006 | 2003 | 2000 | 2006 | 1997 | 2006 | 2006 | 2001 | 2000 | 2009 | a.d. | 2004 |
| Max | 56.2 | 35.3 | | 49.3 | 73.8 | 56.5 | 52.2 | 96.1 | 54.7 | 68.0 | 85.0 | 50.0 |
| giorno | 9 | 19 | | 16 | 12 | 15 | 29 | 13 | 25 | 17 | 7 | 5 |

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

| km giorno ⁻¹ | Dic | Gen | Feb | Mar | Apr | Mag | Giù | Lug | Ago | Set | Ott | Nov | 2011 | 1997-2010 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|--------------|
| NNW | / | / | / | / | / | / | / | / | / | / | / | / | / | 0.20 |
| NW | / | / | / | / | / | / | / | / | 3.23 | / | / | / | 0.27 | 0.22 |
| WNW | 48.39 | 35.48 | 3.57 | 3.23 | 3.33 | 3.23 | 10.00 | 9.68 | 3.23 | / | 19.35 | 60.00 | 16.71 | 4.56 |
| W | 6.45 | 29.03 | 28.57 | 19.35 | 16.67 | 9.68 | 16.67 | 16.13 | 19.35 | 10.00 | 6.45 | 20.00 | 16.44 | 27.82 |
| WSW | / | / | / | / | / | 6.45 | / | / | 3.23 | 3.33 | / | / | 1.10 | 8.48 |
| SW | / | / | 3.57 | / | / | 3.23 | / | 3.23 | 3.23 | 23.33 | 16.13 | / | 4.38 | 1.98 |
| SSW | / | / | / | / | 3.33 | / | / | / | / | / | 3.23 | / | 0.55 | 1.96 |
| S | / | / | 14.29 | 6.45 | 3.33 | 12.90 | 6.67 | 3.23 | / | / | 3.23 | / | 4.11 | 2.17 |
| SSE | / | / | / | 3.23 | 10.00 | 3.23 | / | 3.23 | / | / | / | / | 1.64 | 2.56 |
| SE | / | 3.23 | 14.29 | 41.94 | 46.67 | 29.03 | 23.33 | 25.81 | 12.90 | 3.33 | 9.68 | 3.33 | 17.81 | 4.48 |
| ESE | 3.23 | 6.45 | / | 6.45 | / | / | / | / | 3.23 | / | / | 3.33 | 1.92 | 12.95 |
| E | / | / | / | / | / | / | / | / | / | / | / | / | / | 0.65 |
| ENE | / | / | / | / | 3.33 | / | 3.33 | 6.45 | / | / | / | / | 1.10 | 0.45 |
| NE | 29.03 | 16.13 | 28.57 | 9.68 | 3.33 | 22.58 | 33.33 | 32.26 | 48.39 | 56.67 | 29.03 | 13.33 | 26.85 | 6.17 |
| NNE | 6.45 | / | / | 3.23 | 6.67 | 3.23 | 3.33 | / | / | 3.33 | 3.23 | / | 2.47 | 19.11 |
| N | / | / | / | / | / | / | / | / | / | / | / | / | / | 2.08 |
| var. | 6.45 | 9.68 | 7.14 | 6.45 | 3.33 | 6.45 | 3.33 | / | 3.23 | / | 9.68 | / | 4.66 | 4.19 |
| % | 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 | / | / | 18.18 | 54.55 | 6.06 | 15.15 | / | 6.06 | 100 |
| Gen | / | / | 41.18 | 38.24 | 11.76 | / | / | 8.82 | 100 |
| Feb | / | 10.00 | 60.00 | 16.67 | 6.67 | / | / | 6.67 | 100 |
| Mar | / | 3.03 | 27.27 | 39.39 | 15.15 | 6.06 | 3.03 | 6.06 | 100 |
| Apr | / | / | 6.45 | 64.52 | 16.13 | 6.45 | 3.23 | 3.23 | 100 |
| Mag | / | / | 9.09 | 57.58 | 9.09 | 15.15 | 3.03 | 6.06 | 100 |
| Giù | / | / | 16.13 | 48.39 | 29.03 | 3.23 | / | 3.23 | 100 |
| Lug | / | / | / | 54.84 | 32.26 | 12.90 | / | / | 100 |
| Ago | / | / | 12.50 | 62.50 | 18.75 | / | 3.13 | 3.13 | 100 |
| Set | / | / | 63.33 | 26.67 | 3.33 | 6.67 | / | / | 100 |
| Ott | / | / | 38.24 | 29.41 | 14.71 | 5.88 | 2.94 | 8.82 | 100 |
| Nov | / | / | 60.00 | 20.00 | 10.00 | 3.33 | 6.67 | / | 100 |
| 2011 | / | 1.05 | 29.06 | 42.93 | 14.40 | 6.28 | 1.83 | 4.45 | 100 |
| 1997-2010 | 0.88 | 4.84 | 29.70 | 33.73 | 14.67 | 8.92 | 3.24 | 4.02 | 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 | / | / | 4.93 | 6.30 | 2.74 | 1.64 | 1.10 | = | 16.71 |
| W | / | 0.82 | 5.75 | 4.66 | 3.01 | 1.64 | 0.55 | = | 16.44 |
| WSW | / | / | 1.10 | / | / | / | / | = | 1.10 |
| SW | / | 0.27 | 3.29 | 0.82 | / | / | / | = | 4.38 |
| SSW | / | / | 0.27 | 0.27 | / | / | / | = | 0.55 |
| S | / | / | 1.10 | 2.47 | 0.55 | / | / | = | 4.11 |
| SSE | / | / | / | 1.10 | 0.55 | / | / | = | 1.64 |
| SE | / | / | 1.37 | 12.33 | 3.56 | 0.55 | / | = | 17.81 |
| ESE | / | / | 0.55 | 1.10 | / | 0.27 | / | = | 1.92 |
| E | / | / | / | / | / | / | / | = | 0.00 |
| ENE | / | / | / | 0.27 | 0.27 | 0.27 | 0.27 | = | 1.10 |
| NE | / | / | 9.86 | 12.60 | 3.01 | 1.37 | / | = | 26.85 |
| NNE | / | / | 0.27 | 0.82 | 0.82 | 0.55 | / | = | 2.47 |
| N | / | / | / | / | / | / | / | = | 0.00 |
| Var. | / | / | 1.92 | 2.19 | 0.27 | 0.27 | / | | 4.66 |
| 2011 | / | 1.10 | 30.41 | 44.93 | 15.07 | 6.58 | 1.92 | = | 100.0 |
| 1997-2010 | 0.88 | 4.84 | 29.70 | 33.73 | 14.67 | 8.92 | 3.24 | 4.02 | 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 | <u>0.0</u> | 0.2 | 0.8 | 3.5 | 4.0 | 5.4 | <u>0.0</u> | 10.4 | 5.7 | 4.4 | 3.3 | 1.9 |
| 2 | 0.1 | 0.4 | 1.0 | <u>0.0</u> | 4.8 | 3.0 | 2.0 | 9.4 | 0.9 | 3.2 | 3.5 | 0.4 |
| 3 | 0.8 | 0.5 | 1.4 | <u>0.0</u> | 4.5 | 6.0 | 5.1 | 2.1 | 3.6 | 3.7 | 3.3 | <u>0.0</u> |
| 4 | 1.0 | 0.4 | 1.2 | <u>0.0</u> | 2.5 | 3.5 | <u>0.0</u> | 4.3 | 5.6 | <u>0.0</u> | 2.9 | <u>0.0</u> |
| 5 | 0.7 | 0.5 | 1.2 | <u>0.0</u> | 5.8 | 5.1 | 0.5 | 8.4 | 1.9 | 2.2 | 2.3 | <u>0.0</u> |
| 6 | <u>0.0</u> | 0.4 | 1.9 | <u>0.0</u> | 4.9 | 5.1 | 5.2 | 5.1 | 2.0 | 5.8 | 2.0 | <u>0.0</u> |
| 7 | <u>0.0</u> | 0.5 | 2.1 | <u>0.0</u> | 6.6 | 2.1 | 1.2 | <u>0.0</u> | 2.0 | 3.4 | 6.7 | <u>0.0</u> |
| 8 | <u>0.0</u> | <u>0.0</u> | 1.4 | 2.0 | 6.9 | | 1.2 | 1.3 | 5.8 | 4.0 | 5.8 | <u>0.0</u> |
| 9 | 3.0 | <u>0.0</u> | 1.9 | 2.2 | 5.8 | 2.7 | 4.2 | 3.2 | 9.8 | 6.0 | 4.3 | 0.5 |
| 10 | 1.7 | <u>0.0</u> | 1.5 | 1.8 | | 5.3 | 4.2 | 3.8 | 8.4 | 4.6 | 2.5 | 1.0 |
| <i>1° dec</i> | 7.3 | 2.9 | 14.4 | 9.5 | 45.8 | 38.2 | 23.6 | 48.0 | 45.7 | 37.3 | 36.6 | 3.8 |
| 11 | 0.8 | <u>0.0</u> | 1.1 | 1.5 | 1.2 | 5.4 | 3.8 | 5.7 | 7.1 | 3.9 | 3.6 | 0.4 |
| 12 | 1.6 | 0.9 | 1.0 | 0.1 | 4.7 | 2.7 | 2.9 | 3.7 | 2.3 | 4.8 | 3.4 | 1.5 |
| 13 | 4.0 | 0.6 | 0.4 | <u>0.0</u> | 6.0 | 5.5 | 5.2 | <u>0.0</u> | <u>0.6</u> | 5.2 | 3.9 | 1.4 |
| 14 | 1.5 | <u>0.0</u> | 0.2 | 0.8 | 8.0 | <u>1.5</u> | 6.1 | 5.3 | 5.4 | 4.5 | 2.4 | 1.3 |
| 15 | 1.0 | 0.2 | <u>0.0</u> | <u>0.0</u> | 5.4 | 5.9 | 5.1 | 5.6 | 4.0 | 4.1 | 3.1 | 1.0 |
| 16 | 1.4 | 0.3 | <u>0.0</u> | <u>0.0</u> | 4.8 | 7.0 | 4.1 | 2.6 | 6.6 | 3.7 | 2.6 | 1.0 |
| 17 | 0.6 | 1.5 | <u>0.0</u> | <u>0.0</u> | 3.3 | 4.0 | 1.7 | <u>0.0</u> | 5.7 | 3.6 | 2.7 | 0.5 |
| 18 | 0.2 | 0.2 | 0.6 | 3.3 | 7.0 | 4.0 | <u>0.0</u> | 4.7 | 5.6 | <u>0.0</u> | 1.8 | 0.6 |
| 19 | 0.6 | 0.9 | 1.5 | 2.5 | 4.7 | 6.4 | 7.8 | <u>0.0</u> | 6.7 | 4.9 | 4.5 | 0.6 |
| 20 | 0.3 | 2.4 | <u>0.0</u> | 3.5 | 5.0 | 7.5 | 7.8 | 5.8 | 6.0 | 6.6 | 2.2 | 0.8 |
| <i>2° dec</i> | 12.0 | 7.0 | 4.8 | 11.7 | 50.1 | 49.9 | 44.5 | 33.4 | 50.0 | 41.3 | 30.2 | 9.1 |
| 21 | 0.1 | 2.1 | 0.7 | 2.8 | 4.7 | 1.6 | 7.7 | 2.4 | 6.8 | 4.0 | 1.5 | 0.4 |
| 22 | <u>0.0</u> | 1.3 | 0.7 | 3.5 | 2.1 | | 2.0 | 7.7 | 6.7 | 4.3 | 2.1 | 0.9 |
| 23 | <u>0.0</u> | 0.8 | 1.1 | 2.6 | | 6.3 | 2.2 | 6.6 | 6.4 | 3.3 | 1.1 | 0.6 |
| 24 | <u>0.0</u> | 0.5 | 0.7 | 3.7 | | 7.6 | 8.5 | | 7.4 | 2.5 | | 1.3 |
| 25 | 0.4 | 0.7 | 1.5 | 3.5 | | 6.5 | 1.3 | 4.0 | 6.0 | 3.1 | <u>0.9</u> | 0.9 |
| 26 | 1.0 | 0.9 | 0.8 | <u>0.0</u> | 7.1 | 5.1 | <u>0.0</u> | 6.3 | 6.5 | 3.6 | 1.4 | 0.9 |
| 27 | 1.8 | 1.1 | 0.5 | <u>0.0</u> | 3.7 | 2.5 | 2.4 | 4.9 | 9.4 | 3.1 | 1.4 | 0.8 |
| 28 | 0.5 | 0.7 | 0.5 | 2.8 | 2.2 | 9.9 | 7.3 | 6.8 | 4.3 | 3.0 | 1.1 | 1.1 |
| 29 | 0.5 | 0.1 | | 1.9 | <u>0.5</u> | 4.4 | 4.0 | 7.4 | 5.2 | 2.8 | 1.1 | 0.6 |
| 30 | 0.7 | 0.7 | | 2.4 | 3.1 | 6.3 | 7.9 n.r | | 5.6 | 3.2 | 1.8 | 1.0 |
| 31 | 0.3 | 0.1 | | 3.5 | | 1.8 | n.r | | 5.7 | | 1.1 | |
| <i>3° dec</i> | 5.3 | 9.0 | 6.5 | 26.7 | 23.4 | 52.0 | 43.3 | 46.1 | 70.0 | 32.9 | 13.5 | 8.5 |
| 2011 | 24.6 | 18.9 | 25.7 | 47.9 | 119.3 | 140.1 | 111.4 | 127.5 | 165.7 | 111.5 | 80.3 | 21.4 |
| 1957-2010 | 29.0 | 32.0 | 43.7 | 82.1 | 108.8 | 131.1 | 156.7 | 182.6 | 149.5 | 93.4 | 54.1 | 34.3 |
| min | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.5 | 0.0 | 0.0 | 0.6 | 0.0 | 0.9 | 0.0 |
| giorno | g.d. | g.d. | g.d. | g.d. | 29 | 14 | g.d. | g.d. | 13 | g.d. | 25 | g.d. |
| Max | 4.0 | 2.4 | 2.1 | 3.7 | 8.0 | 9.9 | 8.5 | 10.4 | 9.8 | 6.6 | 6.7 | 1.9 |
| giorno | 13 | 20 | 7 | 24 | 14 | 28 | 24 | 1 | 9 | 20 | 7 | 1 |

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

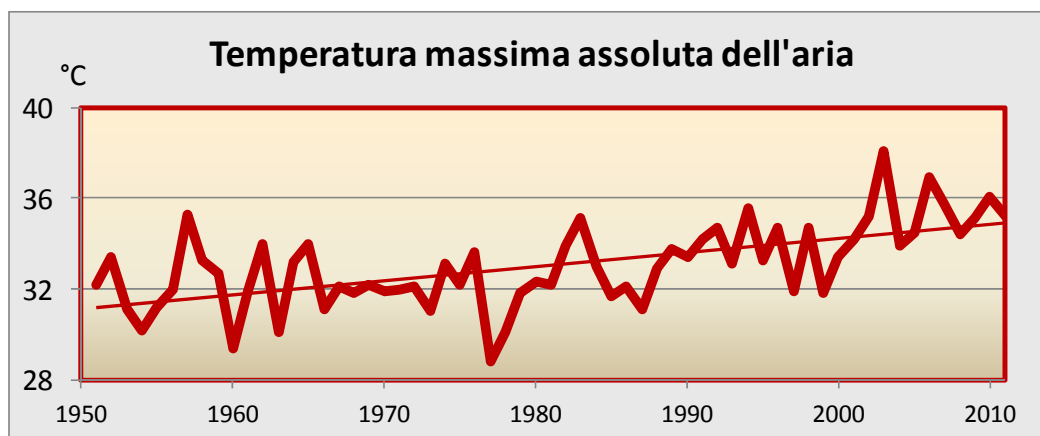
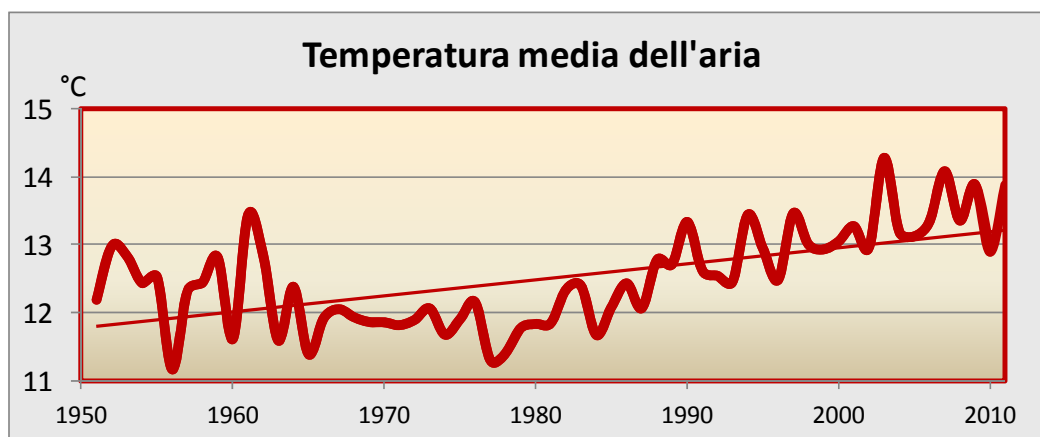
| | DIC | GEN | FEB | MAR | APR | MAG | GIU | LUG | AGO | SET | OTT | NOV |
|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1 | 194.33 | 194.43 | 194.35 | 194.21 | 194.18 | 193.79 | <u>193.19</u> | 194.00 | 194.01 | 193.63 | 193.15 | 192.90 |
| 2 | 194.39 | 194.44 | 194.35 | 194.22 | 194.19 | 193.76 | 193.24 | 193.97 | 194.00 | 193.59 | 193.12 | <u>192.89</u> |
| 3 | 194.39 | 194.45 | 194.35 | 194.21 | 194.21 | 193.74 | 193.24 | 193.92 | 193.99 | 193.55 | 193.09 | 192.89 |
| 4 | 194.40 | 194.45 | 194.35 | 194.21 | 194.26 | 193.72 | 193.27 | 193.88 | 193.99 | 193.54 | 193.08 | 192.95 |
| 5 | 194.35 | 194.46 | 194.35 | 194.21 | 194.29 | 193.69 | 193.33 | 193.86 | 194.00 | 193.61 | 193.07 | 193.52 |
| 6 | 194.33 | 194.44 | 194.33 | 194.18 | 194.28 | 193.66 | 193.41 | <u>193.83</u> | 194.04 | 193.62 | 193.06 | 194.09 |
| 7 | 194.35 | 194.41 | 194.31 | 194.19 | 194.29 | 193.62 | 193.49 | 193.84 | 194.13 | 193.60 | 193.05 | 194.26 |
| 8 | 194.35 | 194.40 | 194.30 | 194.17 | 194.33 | 193.58 | 193.53 | 193.92 | 194.28 | 193.58 | 193.05 | 194.39 |
| 9 | 194.37 | 194.39 | 194.30 | 194.16 | 194.35 | 193.54 | 193.58 | 193.98 | 194.28 | 193.56 | 193.04 | 194.50 |
| 10 | 194.36 | 194.40 | 194.29 | 194.15 | 194.33 | 193.52 | 193.61 | 193.99 | 194.23 | 193.53 | 193.01 | 194.47 |
| <i>1° dec</i> | <i>194.36</i> | <i>194.43</i> | <i>194.33</i> | <i>194.19</i> | <i>194.27</i> | <i>193.66</i> | <i>193.39</i> | <i>193.92</i> | <i>194.10</i> | <i>193.58</i> | <i>193.07</i> | <i>193.69</i> |
| 11 | 194.33 | 194.43 | 194.29 | <u>194.15</u> | 194.27 | 193.50 | 193.63 | 193.99 | 194.18 | 193.48 | 193.01 | 194.41 |
| 12 | <u>194.29</u> | 194.45 | 194.29 | 194.15 | 194.25 | 193.48 | 193.64 | 193.98 | 194.18 | 193.46 | 193.01 | 194.37 |
| 13 | 194.34 | 194.46 | 194.27 | 194.15 | <u>193.78</u> | 193.47 | 193.65 | 194.06 | 194.17 | 193.43 | 193.01 | 194.34 |
| 14 | 194.35 | 194.48 | 194.25 | 194.17 | 194.20 | 193.52 | 193.65 | 194.43 | 194.15 | 193.41 | 193.00 | 194.34 |
| 15 | 194.34 | 194.49 | 194.26 | 194.17 | 194.18 | 193.53 | 193.65 | 194.40 | 194.14 | 193.39 | 192.99 | 194.38 |
| 16 | 194.34 | 194.48 | 194.28 | 194.29 | 194.17 | 193.51 | 193.66 | 194.31 | 194.11 | 193.37 | 192.97 | 194.42 |
| 17 | 194.34 | 194.47 | 194.31 | 194.42 | 194.13 | 193.48 | 193.69 | 194.29 | 194.09 | 193.35 | 192.95 | 194.46 |
| 18 | 194.34 | 194.48 | 194.31 | 194.42 | 194.10 | 193.45 | 193.85 | 194.54 | 194.07 | 193.35 | 192.94 | 194.50 |
| 19 | 194.33 | 194.48 | 194.30 | 194.43 | 194.08 | 193.42 | 194.03 | 194.59 | 194.06 | 193.34 | 192.93 | 194.51 |
| 20 | 194.31 | 194.49 | 194.29 | 194.39 | 194.06 | 193.39 | 194.05 | 194.79 | 194.04 | 193.32 | 192.93 | 194.49 |
| <i>2° dec</i> | <i>194.33</i> | <i>194.47</i> | <i>194.28</i> | <i>194.27</i> | <i>194.12</i> | <i>193.48</i> | <i>193.75</i> | <i>194.34</i> | <i>194.12</i> | <i>193.39</i> | <i>192.97</i> | <i>194.42</i> |
| 21 | 194.32 | 194.49 | 194.28 | 194.37 | 194.04 | 193.36 | 194.03 | 194.78 | 193.99 | 193.31 | 192.91 | 194.48 |
| 22 | 194.34 | 194.49 | 194.28 | 194.33 | 194.01 | 193.32 | 194.01 | 194.70 | 193.96 | 193.30 | 192.90 | 194.49 |
| 23 | 194.41 | 194.48 | 194.27 | 194.30 | 193.98 | 193.28 | 194.05 | 194.60 | 193.94 | 193.28 | 192.89 | 194.51 |
| 24 | 194.55 | 194.45 | 194.26 | 194.27 | 193.95 | 193.25 | 194.05 | 194.48 | 193.91 | 193.26 | <u>192.87</u> | 194.52 |
| 25 | 194.58 | 194.46 | 194.25 | 194.25 | 193.91 | 193.22 | 194.04 | 194.36 | 193.87 | 193.23 | 192.89 | 194.53 |
| 26 | 194.52 | 194.45 | 194.24 | 194.24 | 193.87 | 193.20 | 194.03 | 194.26 | 193.83 | 193.21 | 192.93 | 194.53 |
| 27 | 194.45 | 194.44 | 194.23 | 194.23 | 193.85 | 193.22 | 194.01 | 194.18 | 193.81 | 193.19 | 192.94 | 194.51 |
| 28 | 194.42 | 194.42 | <u>194.22</u> | 194.21 | 193.84 | 193.24 | 194.01 | 194.10 | 193.79 | 193.18 | 192.94 | 194.50 |
| 29 | 194.40 | 194.41 | | 194.20 | 193.83 | 193.21 | 194.00 | 194.07 | 193.74 | 193.17 | 192.94 | 194.50 |
| 30 | 194.42 | 194.38 | | 194.19 | 193.83 | 193.18 | 194.01 | 194.05 | 193.70 | <u>193.16</u> | 192.92 | 194.49 |
| 31 | 194.43 | <u>194.36</u> | | 194.17 | | <u>193.16</u> | | 194.03 | <u>193.66</u> | | 192.91 | |
| <i>3° dec</i> | <i>194.44</i> | <i>194.44</i> | <i>194.26</i> | <i>194.25</i> | <i>193.91</i> | <i>193.24</i> | <i>194.02</i> | <i>194.33</i> | <i>193.84</i> | <i>193.23</i> | <i>192.91</i> | <i>194.50</i> |
| 2011 | 194.38 | 194.45 | 194.29 | 194.24 | 194.10 | 193.46 | 193.72 | 194.19 | 194.02 | 193.40 | 192.99 | 194.20 |
| 1952-2010 | 194.03 | 193.89 | 193.77 | 193.70 | 193.82 | 194.07 | 194.10 | 193.94 | 193.62 | 193.63 | 193.85 | 194.01 |
| min | 194.29 | 194.36 | 194.22 | 194.15 | 193.78 | 193.16 | 193.19 | 193.83 | 193.66 | 193.16 | 192.87 | 192.89 |
| giorno | 12 | 31 | 28 | 11 | 13 | 31 | 1 | 6 | 31 | 30 | 24 | 2 |
| Max | 194.58 | 194.49 | 194.35 | 194.43 | 194.35 | 193.79 | 194.05 | 194.79 | 194.28 | 193.63 | 193.15 | 194.53 |
| giorno | 25 | 20 | 4 | 19 | 9 | 1 | 24 | 20 | 8 | 1 | 1 | 26 |

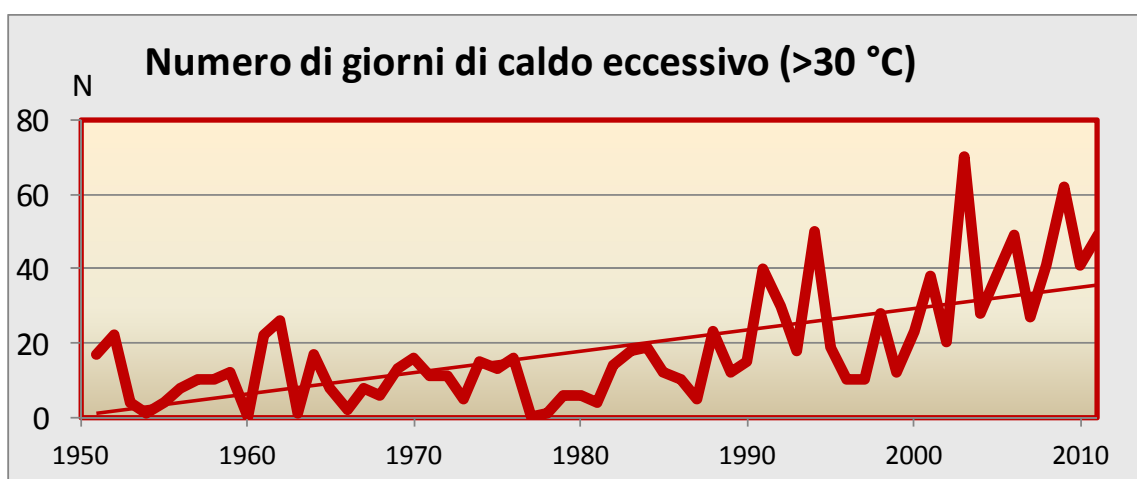
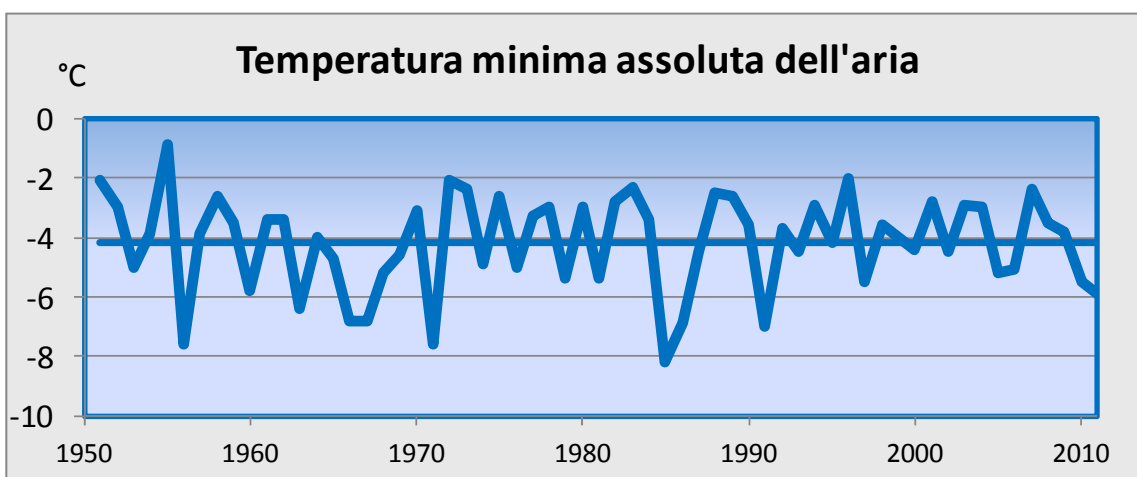
Tabelle riassuntive e grafici

| Temperatura dell'aria °C | 2011 | | | | 1951-2010 | | | | | | |
|--------------------------------|-----------------------|------|--------|--------------------------|-----------|-------|------|-------|------|------|--------|
| | Valore ⁽¹⁾ | Mese | Giorno | Posizione ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| media annua | 13.87 | | | 4 | 12.49 | 14.27 | 2003 | 11.16 | 1956 | | |
| media invernale | 3.53 | | | 35 | 3.66 | 5.86 | 2007 | 2.16 | 1963 | | |
| media primaverile | 15.13 | | | 2 | 12.03 | 15.27 | 2007 | 10.00 | 1978 | | |
| media estiva | 22.41 | | | 11 | 21.49 | 26.01 | 2003 | 18.83 | 1977 | | |
| media autunnale | 14.42 | | | 2 | 12.76 | 14.89 | 2006 | 10.53 | 1974 | | |
| minima invernale | -5.9 | Dic | 18 | 32 | | | | -8.2 | 1985 | Gen | 6 |
| minima primaverile | -1.4 | Mar | 9 | 41 | | | | -7.1 | 1971 | Mar | 6 |
| minima estiva | 11.9 | Lug | 20 | 266 | | | | 7.0 | 1978 | Giu | 18 |
| minima autunnale | 0.9 | Nov | 19 | 167 | | | | -3.6 | 1998 | Nov | 23 |
| massima invernale | 16.0 | Feb | 7 | 95 | | 25.1 | 2007 | | | Gen | 19 |
| massima primaverile | 32.9 | Apr | 8 | 3 | | 34.0 | 2009 | | | Mag | 25 |
| massima estiva | 35.2 | Ago | 24 | 20 | | 38.1 | 2003 | | | Ago | 11 |
| massima autunnale | 32.7 | Set | 9 | 1 | | 32.6 | 1962 | | | Set | 13 |
| escursione annua assoluta | 41.1 | | | 4 | | 42.0 | 2006 | 32.1 | a.d. | | |
| escursione minima mensile | 14.6 | Gen | | 68 | | | | 10.2 | 1972 | Gen | |
| escursione massima mensile | 26.3 | Apr | | 6 | | 32.8 | 2005 | | | Mar | |
| escursione minima giornaliera | 0.9 | Gen | 9 | 110 | | | | 0.2 | 1955 | Nov | 9 |
| escursione massima giornaliera | 19.3 | Apr | gd | 2 | | 21.5 | 2007 | | | Gen | 19 |
| escursione media annua | 21.75 | | | 12 | | 24.45 | 2006 | 16.59 | 1960 | | |

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

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

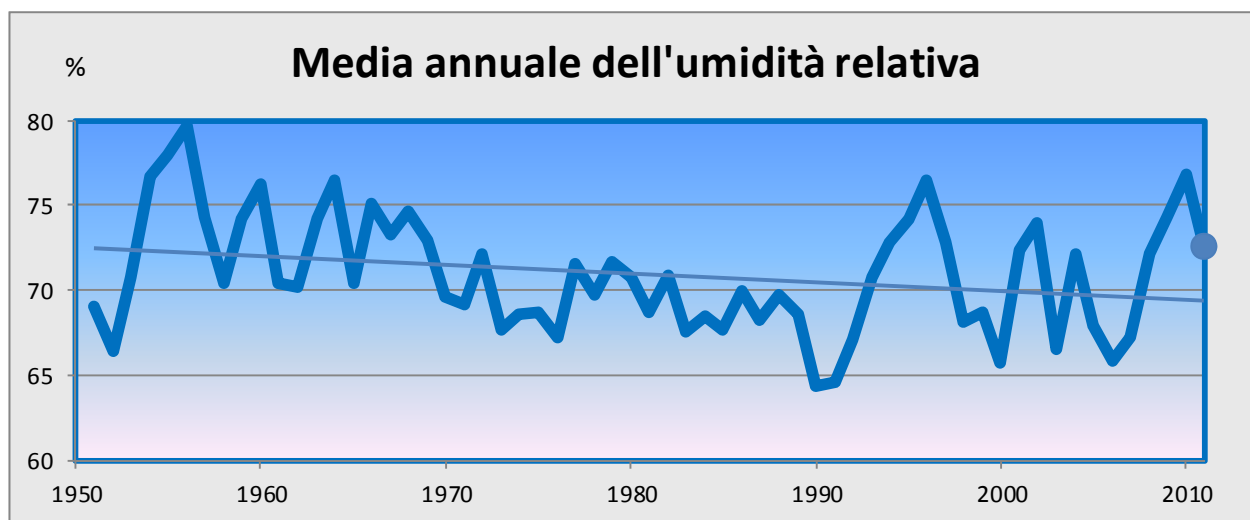




| Umidità relativa | 2011 | | | | 1951-2010 | | | | | | | |
|------------------------------|------|-----------------------|------|--------|---------------------------|-------|-------|------|-------|------|------|--------|
| | % | Valore ⁽¹⁾ | Mese | Giorno | Percentile ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| media annua | | 72.57 | | | 32.8 | 70.91 | 79.62 | 1956 | 64.33 | 1990 | | |
| media invernale | | 81.38 | | | 11.3 | 73.89 | 87.72 | 1997 | 62.03 | 1952 | | |
| media primaverile | | 63.11 | | | 71.4 | 65.52 | 76.53 | 1964 | 56.17 | 1973 | | |
| media estiva | | 68.82 | | | 34.4 | 67.39 | 78.07 | 1956 | 54.64 | 2006 | | |
| media autunnale | | 76.97 | | | 47.7 | 76.83 | 84.30 | 1967 | 68.26 | 2007 | | |
| mese mediamente meno umido | | 55.62 | Apr | | 36.4 | | | | 47.90 | 1988 | Mar | |
| mese mediamente più umido | | 87.44 | Nov | | 20.9 | | 95.06 | 1997 | | | Gen | |
| giorno mediamente meno umido | | 22.21 | Apr | 13 | 30.9 | | | | 5.33 | 1994 | Apr | 2 |

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

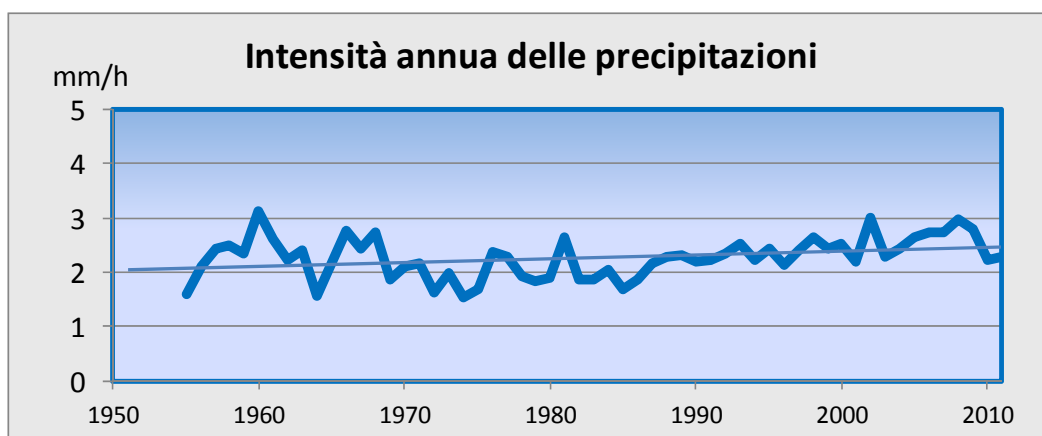
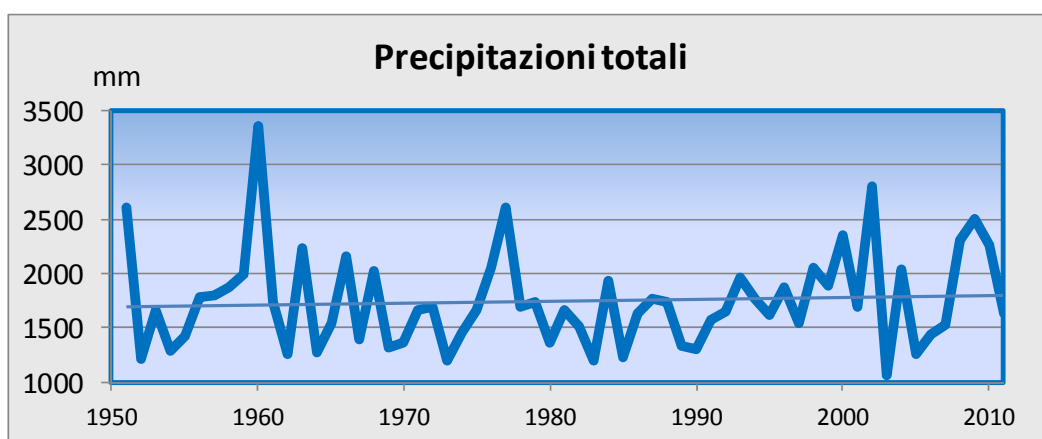
(2): in grassetto rosso posizione entro il 10° percentile

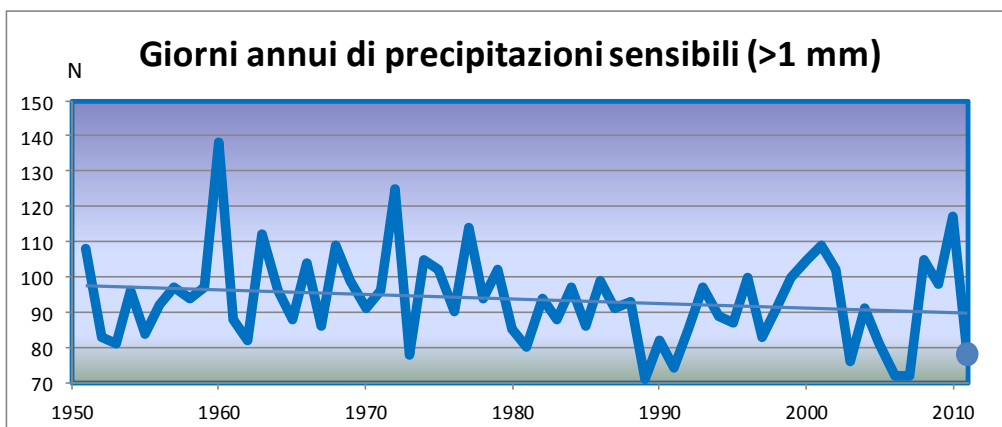
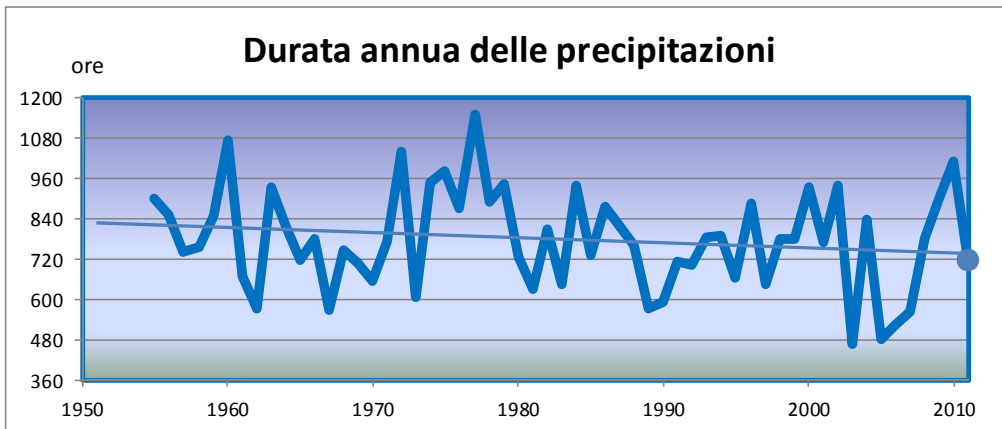
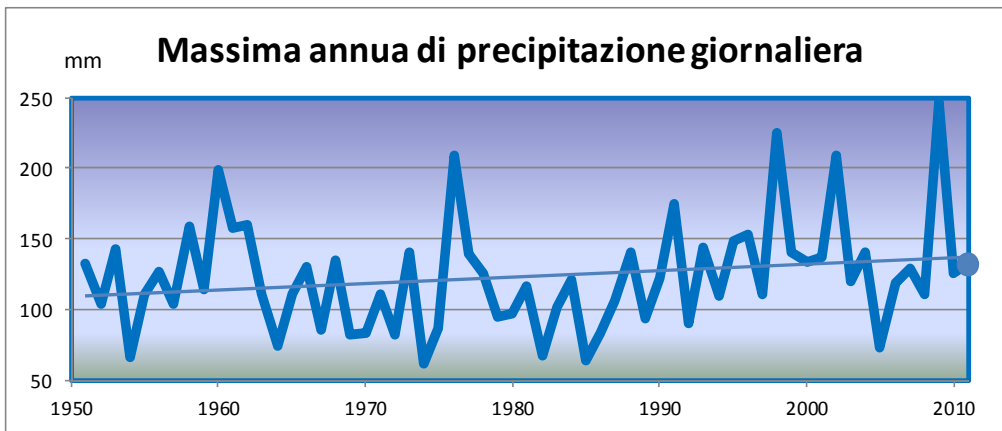


| Precipitazioni mm | 2011 | | | | 1951-2010 | | | | | | |
|---|-----------------------|------|--------|--------------------------|-----------|---------|------|--------|------|------|--------|
| | Valore ⁽¹⁾ | Mese | Giorno | Posizione ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| Totale annua | 1633.0 | | | 36 | 1748.5 | 3352.2 | 1960 | 1062.4 | 2003 | | |
| Totale invernale | 266.0 | | | 20 | 228.9 | 539.4 | 2009 | 5.0 | 1981 | | |
| Totale primaverile | 271.0 | | | 51 | 472.6 | 898.4 | 1986 | 107.0 | 2003 | | |
| Totale estiva | 590.0 | | | 12 | 462.3 | 1058.6 | 1960 | 157.2 | 1991 | | |
| Totale autunnale | 506.0 | | | 36 | 584.7 | 1347.2 | 1976 | 139.8 | 1986 | | |
| mese con precipitazioni minime | 23.8 | Apr | | 97 | | | | 0.00 | 0 | md | |
| mese con precipitazioni massime | 405.4 | Nov | | 31 | | 824.40 | 2002 | | | Nov | |
| giorno con precipitazioni massime | 132.0 | Nov | 5 | 29 | | 246.40 | 2009 | | | Lug | 17 |
| numero di giorni con precip. sensibili (> 1 mm) | 78 | | | 55 | 78.00 | 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.) | 715:59 | | | 38 | | 1146:50 | 1977 | 465:28 | 2003 | | |
| mese con maggior durata (ore e min.) | 127:53 | Dic | | 47 | | 334:00 | 1986 | | | Apr | |

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

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

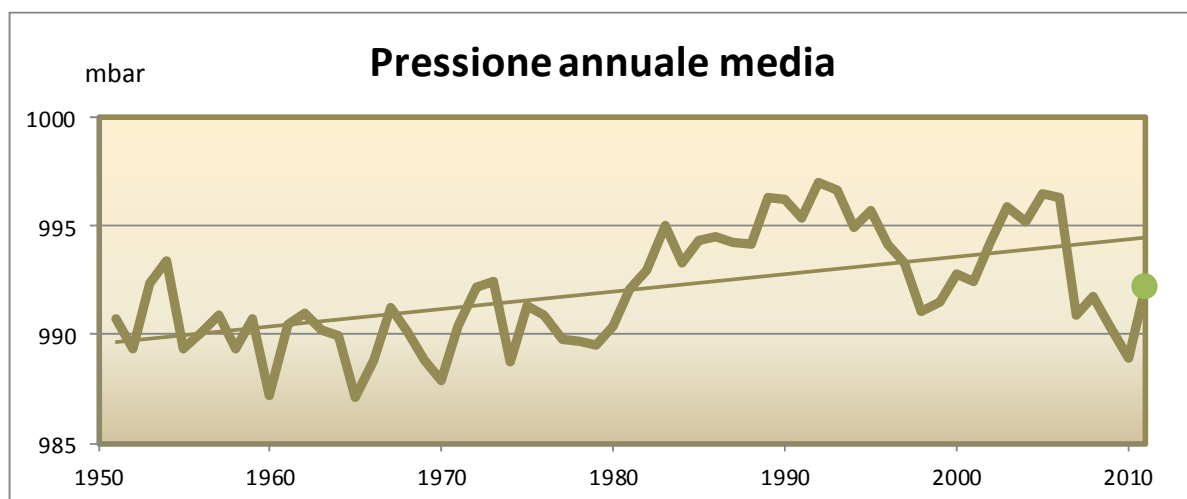




| Pressione millibar | 2011 | | | | 1951-2010 | | | | | | |
|--------------------------------|-----------------------|------|--------|---------------------------|-----------|--------|------|-------|------|------|--------|
| | Valore ⁽¹⁾ | Mese | Giorno | Percentile ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| Media annua | 992.2 | | | 44.3 | 992.0 | 996.9 | 1992 | 987.1 | 1965 | | |
| Media invernale | 991.3 | | | 68.9 | 993.4 | 1004.8 | 1992 | 985.3 | 2010 | | |
| Media primaverile | 993.4 | | | 14.8 | 990.4 | 996.9 | 1990 | 985.9 | 1978 | | |
| Media estiva | 988.9 | | | 80.3 | 991.0 | 995.9 | 2006 | 985.8 | 1960 | | |
| Media autunnale | 995.3 | | | 27.9 | 993.4 | 999.2 | 1986 | 986.5 | 1960 | | |
| media mensile più bassa | 986.4 | Lug | | 7.9 | | | | 980.6 | 1982 | Dic | |
| media mensile più alta | 998.2 | Nov | | 8.3 | | 1009.3 | 1989 | | | Gen | |
| media giornaliera più bassa | 968.0 | Dic | 24 | 0.2 | | | | 951.7 | 1977 | Dic | 2 |
| media giornaliera più alta | 1008.6 | Mar | 22 | 1.6 | | 1018.3 | 1989 | | | Gen | 3 |
| escursione massima annua | 45.6 | | | 44.3 | 68.9 | 68.9 | 1989 | | | | |
| escursione massima mensile | 35.3 | Dic | | 16.3 | | 66.4 | 1989 | | | Feb | |
| escursione massima giornaliera | 15.4 | Dic | 23 | 0.7 | | 26.0 | 1978 | | | Gen | 28 |

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

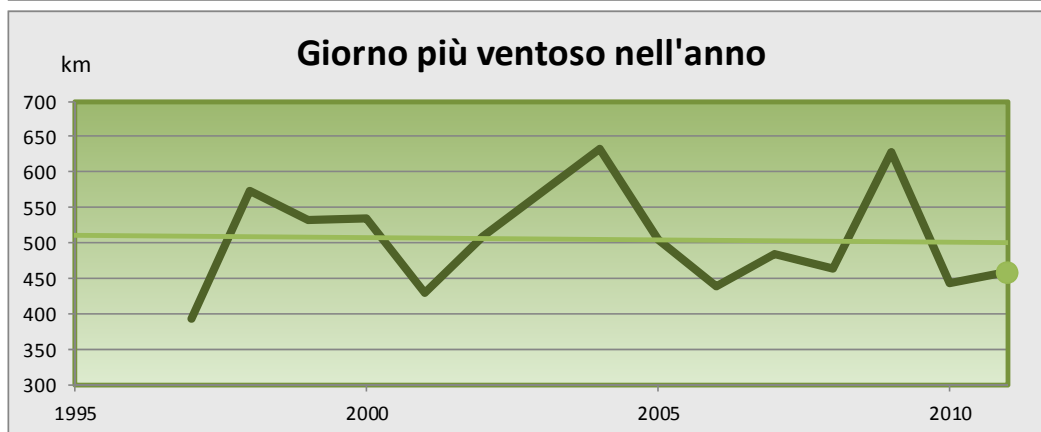
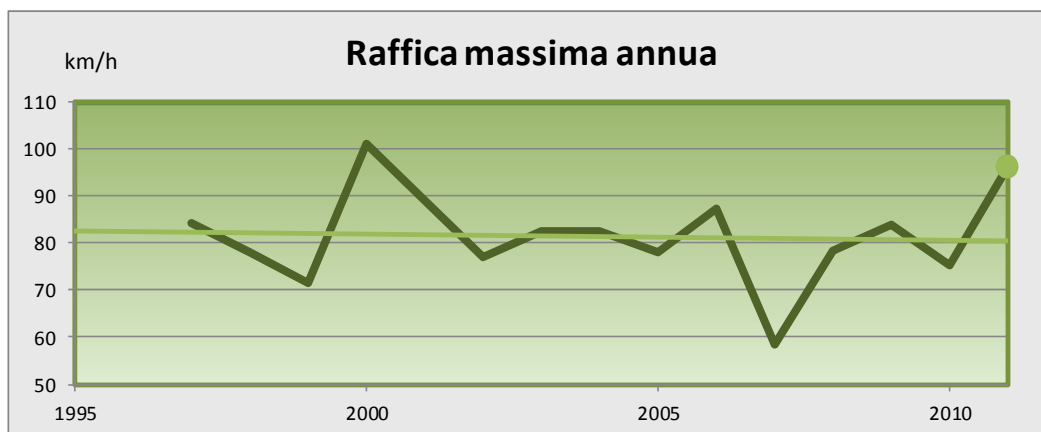
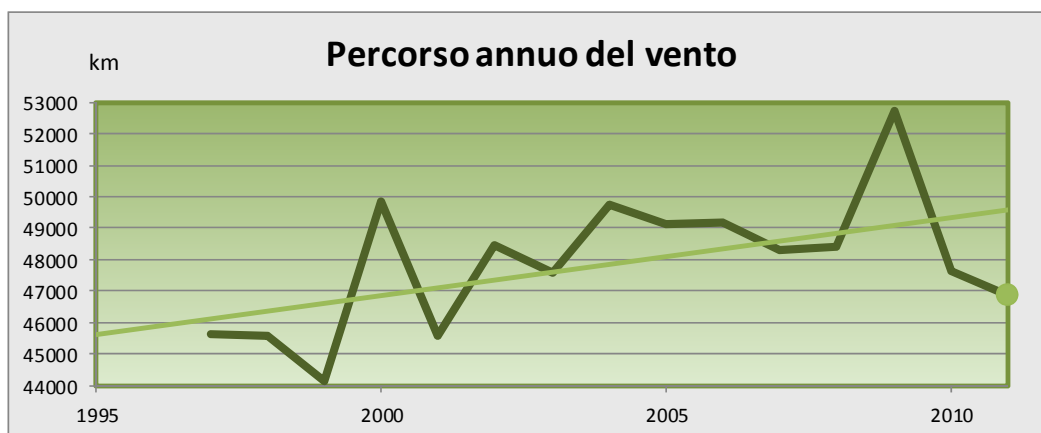
(2): in grassetto rosso posizione entro il 10° percentile



| Vento | 2011 | | | | 1951-2010 | | | | | | | |
|---------------------------------------|----------------|-----------------------|------|------------|---------------------------|---------|------|---------|------|------|------|--------|
| | km | Valore ⁽¹⁾ | Mese | Giorno | Percentile ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| percorso annuo | 46876.8 | | | 73.3 | 47990.8 | 52699.3 | 2009 | 44127.5 | 1999 | | | |
| percorso invernale | 9793.0 | | | 80.0 | 10811.8 | 12832.9 | 2004 | 8215.4 | 1997 | | | |
| percorso primaverile | 12851.4 | | | 60.0 | 13013.5 | 16096.3 | 2009 | 11410.7 | 1999 | | | |
| percorso estivo | 13121.9 | | | 40.0 | 12937.7 | 14400.7 | 2006 | 11783.0 | 1999 | | | |
| percorso autunnale | 11110.6 | | | 53.3 | 11227.8 | 12670.2 | 2003 | 10066.7 | 2004 | | | |
| velocità media (km h ⁻¹) | 5.4 | | | 73.3 | 5.5 | 6.0 | 2009 | 5.0 | 1999 | | | |
| direzione prevalente | NE | | | | WNW | | | | | | | |
| mese più ventoso | 4828.0 | Lug | | 11.9 | | 6190.2 | 2009 | | | Apr | | |
| giorno più ventoso | 458.4 | Nov | 5 | 0.4 | | 633.2 | 2004 | | | Dic | 2 | |
| raffica massima (km h ⁻¹) | 96.1 | Lug | 13 | 0.2 | | 101.0 | 2000 | | | Ago | 17 | |

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

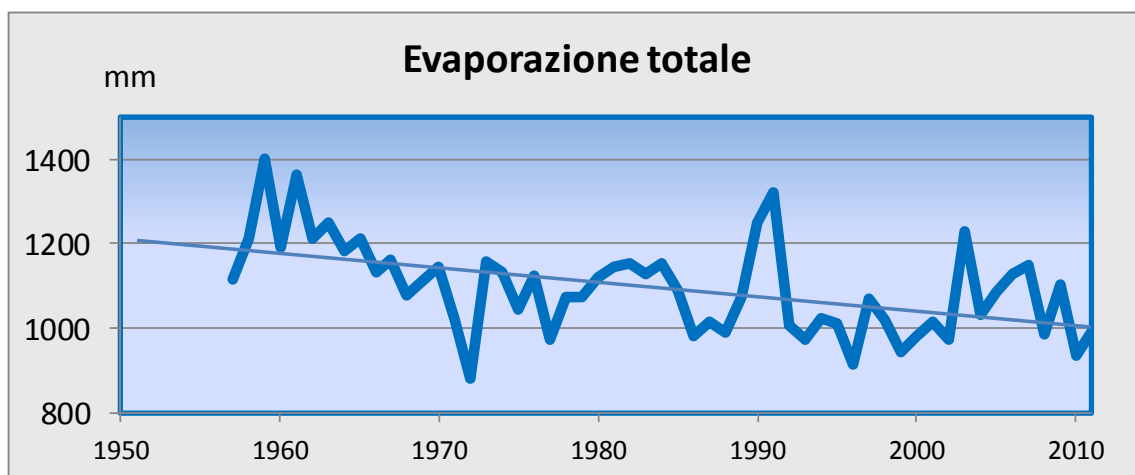
(2): in grassetto rosso posizione entro il 10° percentile



| Evaporazione mm | 2011 | | | | 1951-2010 | | | | | | |
|---------------------------------|-----------------------|------|--------|--------------------------|-----------|---------|------|--------|------|------|--------|
| | Valore ⁽¹⁾ | Mese | Giorno | Posizione ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| totale annuo | 994.30 | | | 44 | 1097.36 | 1400.80 | 1959 | 878.90 | 1972 | | |
| totale invernale | 69.20 | | | 53 | 104.76 | 172.80 | 1981 | 55.40 | 1972 | | |
| totale primaverile | 307.30 | | | 33 | 322.03 | 424.50 | 1961 | 233.10 | 1983 | | |
| totale estivo | 404.60 | | | 52 | 488.82 | 677.90 | 1959 | 389.40 | 1992 | | |
| totale autunnale | 213.20 | | | 10 | 181.75 | 237.60 | 1978 | 125.10 | 1994 | | |
| mese con evaporazione minima | 18.9 | Gen | | 27 | | | | 9.9 | 1996 | Gen | |
| mese con evaporazione massima | 165.7 | Ago | | 85 | | 258.0 | | | 1959 | Lug | |
| giorno con evaporazione massima | 10.4 | Lug | 1 | 294 | | 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 | 2011 | | | | 1951-2010 | | | | | | |
|--------------------------------|-----------------------|------------------|--------|---------------------------|-----------|--------|------|--------|------|------------------|-----------|
| | Valore ⁽¹⁾ | Mese | Giorno | Percentile ⁽²⁾ | Media | Max | anno | Min | anno | mese | giorno |
| livello medio annuo | 193.95 | | | 35.0 | 193.87 | 194.39 | 1960 | 193.35 | 2006 | | |
| livello medio invernale | 194.37 | | | 10.0 | 193.90 | 194.44 | 2003 | 192.68 | 1965 | | |
| livello medio primaverile | 193.93 | | | 48.3 | 193.86 | 194.49 | 1986 | 192.72 | 1965 | | |
| livello medio estivo | 193.98 | | | 48.3 | 193.89 | 194.37 | 1977 | 192.89 | 1976 | | |
| livello medio autunnale | 193.53 | | | 75.0 | 193.83 | 194.80 | 1993 | 192.67 | 1964 | | |
| livello minimo | 192.87 | <i>Ott</i> | | 5.5 | | | | 192.38 | 1956 | <i>Mar</i> | <i>18</i> |
| livello massimo | 194.79 | <i>Lug</i> | | 3.4 | | 197.86 | 2000 | | | <i>Ott</i> | <i>17</i> |
| escursione massima giornaliera | 0.57 | <i>5 - 6 Nov</i> | | 0.4 | | 1.57 | 1968 | | | <i>2 - 3 Nov</i> | |
| escursione massima mensile | 1.64 | <i>Nov</i> | | 6.6 | | 4.04 | | | 1981 | <i>Set</i> | |
| escursione massima annua | 1.92 | | | 75.0 | 5.14 | 5.14 | | | 2000 | | |

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

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

