

Observations météorologiques faites à l'observatoire de Genève

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OBSERVATIONS MÉTÉOROLOGIQUES

FAITES A

L'OBSERVATOIRE DE GENÈVE

PENDANT LE MOIS

DE JANVIER 1918

- Le 1, brouillard enveloppant le matin, givre toute la journée.
2, brumeux toute la journée.
3, forte bise le soir.
7, pluie de 8 h. 45 à 16 h., de 18 à 22 h. et dans la nuit.
8, neige pulvérulente à 11 h. 15 h., 18 h. et dans la nuit.
9, neige dans la nuit, haut. 15 cm.
10, neige de 7 h. à 13 h., haut. 7 cm.
12, pluie à 22 h. et dans la nuit.
13, pluie de 7 h. à 18 h.
15, petite pluie de 8 h. 30 à 18 h., verglas extrêmement glissant de 9 h.
à 15 h.
16, vent fort toute la journée, pluie de 7 h. à 14 h.
18, vent fort le matin, pluie à 16 h. et à 21 h.
20, légère gelée blanche le matin, vent fort le soir.
21, halo lunaire à 21 $\frac{1}{2}$ h.
22, pluie dans la nuit.
23, pluie de 9 h. à 13 h.
24, brouillard enveloppant le matin, gelée blanche le soir.
25, brouillard toute la journée.
es 26, 27, 28 et 29, brouillard et givre toute la journée.
30 et 31, brouillard matin et soir, givre toute la journée, brouillard élevé
au milieu du jour.

Hauteur totale de la neige 22 cm tombés en 2 jours.

Neige sur le sol du 1^{er} au 7 et du 9 au 13.

GENÈVE — JANVIER 1918

| Jour du mois | Pression atmosphérique 700 ^{mm} + | | | | Vent | | | | Nébulosité | | | | Pluie | | | | Hauteur 24 h. | | | | Durée d'inson- lation | | Nomb. d'heure. | |
|--------------------|--|-------|--------|-------|-------------------|------|-----------------------|-------|---------------------|-------|--------|-------|--------|---------|---------|---------|------------------|-----|------------------|------|-----------------------------|------|-------------------|-----|
| | 7 1/2 | | 13 1/2 | | Moyenne 8 obs. | | Ecart av. la norm. | | Barographie Max. | | 7 1/2 | | 13 1/2 | | 21 1/2 | | Moy. 6 obs. | | Hauteur 24 h. | | Durée d'inson- lation | | Nomb. d'heure. | |
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | |
| 1 | 23.3 | 24.3 | 27.7 | 25.43 | - 2.69 | 23.1 | 29.5 | 1 NNE | 1 NE | 1 NE | 1 NE | 0 E | 1 NE | 0 calme | 1.8 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 2 | 30.7 | 30.2 | 30.4 | 30.41 | + 2.57 | 29.5 | 31.6 | 0 E | 1 NE | 3 NNE | 1 NNE | 1 NNE | 1 E | 0 calme | 1.1 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| 3 | 28.4 | 28.1 | 30.6 | 29.29 | + 1.43 | 27.6 | 31.4 | 1 NE | 1 NNE | 1 NNE | 1 NNE | 1 NNE | 1 E | 0 calme | 8.8 | 10 | 9 | 1 | 6 | 1.6 | 1.6 | 1.6 | | |
| 4 | 33.9 | 35.4 | 35.8 | 34.39 | + 6.52 | 31.4 | 36.7 | 1 NNE | 1 NNE | 1 NNE | 1 NNE | 1 NNE | 1 E | 0 calme | 4.4 | 0 | 0 | 0 | 0 | 7.3 | 7.3 | 7.3 | | |
| 5 | 36.4 | 35.9 | 34.2 | 35.63 | + 7.74 | 33.6 | 36.9 | 0 SSW | 0 SE | 0 SSW | 0 SSW | 0 SSE | 1 SW | 0 calme | 0.9 | 1 | 0 | 0 | 4.6 | 4.6 | 4.6 | 4.6 | | |
| 6 | 30.6 | 27.5 | 23.2 | 28.24 | + 0.34 | 22.6 | 33.6 | 0 SSW | 1 W | 1 W | 1 W | 1 W | 1 W | 1 calme | 1.1 | 0 | 0 | 1 | 1 | 6.1 | 6.1 | 6.1 | | |
| 7 | 18.2 | 15.8 | 12.9 | 16.61 | - 11.30 | 11.5 | 22.6 | SSW | 1 W | 1 W | 1 W | 1 W | 1 W | 1 calme | 2.2 | 10 | 10 | 10 | 0.0 | 44.5 | 45 | 45 | | |
| 8 | 9.7 | 15.1 | 20.7 | 14.55 | - 13.36 | 7.6 | 21.5 | SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 calme | 6.3 | 10 | 3 | 10 | 7 | 1.4 | 0.2 | 2 | | |
| 9 | 28.2 | 34.7 | 35.4 | 30.01 | + 2.09 | 21.5 | 35.7 | NNW | 1 W | 1 W | 1 W | 1 W | 1 W | 1 calme | 3.0 | 3 | 9 | 8 | 7 | 0.6 | 6.0 | 7 | | |
| 10 | 34.5 | 35.9 | 36.5 | 35.73 | + 7.81 | 34.4 | 36.8 | W | 0 SE | 1 NW | 1 NW | 1 NW | 1 NW | 1 NW | 0 calme | 9.9 | 9 | 9 | 10 | 9 | 0.9 | 2.1 | 6 | |
| 11 | 33.7 | 32.4 | 30.3 | 32.75 | + 4.83 | 29.8 | 35.6 | E | 0 W | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 0 calme | 0.9 | 9 | 9 | 0 | 4 | 4.4 | 4.4 | 4.4 | |
| 12 | 26.8 | 24.1 | 22.4 | 25.23 | - 2.69 | 24.9 | 29.8 | SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 0 calme | 4.2 | 0 | 0 | 10 | 5 | 0.4 | 4.5 | 9 | |
| 13 | 20.4 | 19.7 | 25.5 | 24.64 | - 6.28 | 19.6 | 26.9 | SSW | 1 SW | 1 NE | 1 SSW | 1 NE | 1 NW | 1 NW | 0 calme | 4.0 | 10 | 10 | 0 | 7 | 0.0 | 2.1 | 11 | |
| 14 | 28.9 | 29.6 | 30.9 | 29.46 | + 1.55 | 26.9 | 31.2 | NW | 1 NW | 1 NW | 1 NW | 1 NW | 1 NW | 1 NW | 0 calme | 2.0 | 0 | 0 | 0 | 0 | 7.5 | 7.5 | 7.5 | |
| 15 | 28.6 | 29.8 | 30.1 | 29.86 | + 1.96 | 28.0 | 31.0 | NNE | 1 NNE | 1 NNE | 1 NNE | 1 NNE | 1 NNE | 1 NNE | 0 calme | 2.5 | 3 | 10 | 10 | 9 | 0.0 | 11.1 | 14 | |
| 16 | 28.1 | 28.1 | 31.9 | 29.46 | + 1.57 | 27.6 | 32.4 | SW | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 0 calme | 8.4 | 9 | 10 | 10 | 8 | 0.0 | 5.5 | 7 | |
| 17 | 32.1 | 31.4 | 30.0 | 31.55 | + 3.67 | 29.6 | 32.6 | NE | 1 NNE | 1 NW | 1 NW | 1 NW | 1 NW | 1 NW | 0 calme | 2.1 | 0 | 1 | 0 | 2 | 6.0 | 6.0 | 6.0 | |
| 18 | 27.8 | 27.7 | 27.7 | 28.04 | + 0.17 | 27.4 | 29.6 | SW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 0 calme | 6.0 | 9 | 9 | 10 | 9 | 1.3 | 0.1 | 1 | |
| 19 | 26.7 | 25.9 | 25.7 | 26.29 | - 1.56 | 25.0 | 27.4 | S | 0 SW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 1 SSW | 0 calme | 1.9 | 0 | 5 | 9 | 5 | 4.7 | 4.7 | 4.7 |
| 20 | 24.4 | 22.6 | 23.4 | 23.83 | - 4.00 | 22.2 | 26.1 | SE | 1 NNE | 1 NNW | 1 NNW | 1 NNW | 1 NNW | 1 NNW | 1 NNW | 0 calme | 7 | 9 | 7 | 6 | 3.4 | 3.4 | 3.4 | 3.4 |
| 21 | 21.8 | 21.5 | 21.5 | 21.85 | - 5.96 | 21.1 | 23.1 | NNE | 1 NW | 0 SSW | 1 NW | 0 SSW | 1 SW | 1 SW | 0 calme | 1.8 | 9 | 8 | 0 | 6 | 3.4 | 3.4 | 3.4 | |
| 22 | 21.7 | 21.5 | 22.7 | 21.84 | - 5.95 | 20.9 | 25.2 | SSW | 1 SW | 0 SSW | 1 SW | 0 SSW | 1 SW | 1 SW | 0 calme | 1.4 | 9 | 9 | 9 | 9 | 0.0 | 0.0 | 2 | |
| 23 | 28.3 | 32.3 | 36.5 | 31.40 | + 3.33 | 25.2 | 37.7 | SE | 0 SSW | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 0 calme | 1.4 | 9 | 9 | 2 | 9 | 5.4 | 5.4 | 5.4 |
| 24 | 39.0 | 39.2 | 40.6 | 39.31 | + 11.57 | 37.7 | 41.1 | SSW | 0 NNW | 1 NW | 0 SSW | 1 NW | 1 NW | 1 NW | 1 NW | 0 calme | 1.3 | 10 | 1 | 0 | 10 | 0.0 | 0.0 | 2 |
| 25 | 42.3 | 41.7 | 41.8 | 44.81 | + 44.40 | 41.1 | 42.8 | NNW | 0 NNW | 1 N | 1 NW | 0 NNW | 1 N | 1 NW | 1 NW | 0 calme | 1.3 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| 26 | 41.2 | 40.6 | 40.6 | 40.96 | + 13.28 | 40.0 | 42.0 | N | 1 NW | 0 NNW | 0 NNW | 0 NNW | 0 NNW | 0 NNW | 0 NNW | 0 calme | 1.1 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| 27 | 40.3 | 40.0 | 39.6 | 39.95 | + 12.30 | 38.9 | 40.7 | N | 1 SSW | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 1 SW | 0 calme | 1.8 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| 28 | 39.5 | 39.1 | 38.8 | 39.16 | + 11.55 | 38.3 | 39.9 | SSE | 1 SSE | 1 SE | 0 var. | 1 SE | 0 E | 0 E | 0 E | 0 calme | 1.7 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| 29 | 38.7 | 38.4 | 38.2 | 38.59 | + 11.02 | 37.9 | 39.4 | S | 1 S | 0 E | 0 E | 0 E | 0 E | 0 E | 0 E | 0 calme | 1.5 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| 30 | 37.9 | 37.2 | 37.6 | 37.69 | + 10.16 | 36.7 | 38.5 | SE | 1 SE | 0 NE | 0 NE | 0 NE | 0 NE | 0 NE | 0 NE | 0 calme | 0.8 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| 31 | 37.6 | 37.6 | 38.7 | 37.93 | + 10.44 | 37.3 | 39.4 | SE | 0 NE | 0 NNE | 0 NNE | 0 NNE | 0 NNE | 0 NNE | 0 NNE | 0 calme | 0.9 | 10 | 10 | 10 | 10 | 0.0 | 0.0 | 0.0 |
| Mois | 30.31 | 30.33 | 34.03 | 30.59 | + 3.22 | | | | | | | | | | | 2.60 | 6.9 | 7.0 | 6.4 | 6.9 | 61.7 | 51.3 | 78 | |

GENÈVE — JANVIER 1918

| Jour du mois | Température | | | | | | | Fraction de saturation en % | | | | | | | Tempér. du Rhône | | | Limni- mètre |
|--------------------|-------------|--------|--------|-------------------|-----------------------|-------|------|-----------------------------|--------|--------|-------------------|-----------------------|------|------|------------------|-----------------------|------|-----------------|
| | 7 1/2 | 13 1/2 | 21 1/2 | Moyenne 8 obs. | Ecart av. la norm. | Min. | Max. | 7 1/2 | 13 1/2 | 21 1/2 | Moyenne 8 obs. | Ecart av. la norm. | Min. | Max. | Midi | Ecart av. la norm. | | |
| 1 | - 4.0 | -2.6 | - 2.6 | -3.44 | -3.23 | - 6.0 | -2.3 | 98 | 85 | 85 | 92 | + 6 | 80 | 98 | — | — | mm | 1255 |
| 2 | - 3.6 | -2.6 | - 3.4 | -3.15 | -2.91 | - 4.3 | -2.6 | 91 | 92 | 93 | 92 | + 6 | 88 | 95 | 4.3 | -1.1 | 1300 | |
| 3 | - 3.3 | 0.0 | - 2.7 | -2.30 | -2.04 | - 4.0 | 0.4 | 96 | 82 | 85 | 90 | + 4 | 76 | 97 | 4.3 | -1.1 | 1270 | |
| 4 | - 7.6 | -4.4 | -10.0 | -6.75 | -6.47 | -11.0 | -3.0 | 64 | 61 | 87 | 69 | -17 | 54 | 91 | 3.6 | -1.8 | 1270 | |
| 5 | -13.2 | -2.2 | -10.5 | -9.44 | -8.82 | -14.0 | -2.2 | 92 | 73 | 93 | 87 | + 1 | 68 | 96 | 3.5 | -1.8 | 1220 | |
| 6 | -12.4 | 2.7 | 4.5 | -3.61 | -3.30 | -13.3 | 6.5 | 89 | 55 | 58 | 73 | -13 | 50 | 96 | — | — | 1215 | |
| 7 | 5.2 | 5.5 | 6.7 | 5.47 | +5.79 | 3.8 | 7.8 | 75 | 84 | 80 | 76 | -10 | 54 | 89 | 4.2 | -1.0 | 1175 | |
| 8 | 3.8 | 2.0 | - 2.7 | 2.04 | +2.36 | - 3.5 | 8.0 | 87 | 51 | 87 | 76 | -10 | 48 | 89 | 4.2 | -1.0 | 1185 | |
| 9 | - 6.0 | -4.8 | - 6.6 | -5.51 | -5.19 | - 7.2 | -3.0 | 63 | 67 | 79 | 71 | -15 | 52 | 92 | 3.7 | -1.4 | 1160 | |
| 10 | - 5.2 | 0.0 | - 0.2 | -2.73 | -2.41 | - 7.6 | 2.8 | 95 | 93 | 70 | 87 | + 1 | 68 | 96 | 3.5 | -1.6 | 1170 | |
| 11 | - 0.4 | 3.4 | - 5.5 | -0.61 | -0.29 | - 7.5 | 5.7 | 89 | 54 | 87 | 81 | - 5 | 51 | 94 | 3.7 | -1.4 | 1160 | |
| 12 | -12.0 | -2.2 | 4.8 | -4.50 | -4.19 | -12.8 | 6.0 | 97 | 75 | 47 | 82 | - 4 | 47 | 98 | 3.5 | -1.6 | 1180 | |
| 13 | 3.8 | 5.6 | 3.4 | 3.94 | +4.24 | 1.2 | 5.8 | 91 | 81 | 76 | 86 | 0 | 72 | 92 | — | — | 1215 | |
| 14 | - 1.5 | 1.2 | - 2.7 | -0.58 | -0.29 | - 4.5 | 2.4 | 50 | 62 | 94 | 75 | -11 | 47 | 95 | 3.6 | -1.4 | 1175 | |
| 15 | - 1.4 | 5.8 | 5.7 | 1.81 | +2.08 | - 5.0 | 6.5 | 80 | 78 | 82 | 85 | - 1 | 58 | 97 | 3.6 | -1.4 | 1155 | |
| 16 | 8.0 | 9.2 | 8.8 | 8.62 | +8.87 | 5.0 | 11.6 | 72 | 73 | 76 | 78 | - 8 | 63 | 92 | 3.8 | -1.2 | 1145 | |
| 17 | 5.4 | 11.4 | 6.0 | 8.24 | +8.47 | 2.0 | 13.7 | 91 | 61 | 75 | 72 | -14 | 55 | 93 | 4.0 | -0.9 | 1215 | |
| 18 | 6.4 | 10.3 | 8.8 | 8.18 | +8.38 | 4.0 | 11.0 | 74 | 64 | 73 | 71 | -15 | 59 | 76 | 4.2 | -0.7 | 1250 | |
| 19 | 5.2 | 13.4 | 5.2 | 8.57 | +8.75 | 4.3 | 14.2 | 81 | 53 | 77 | 70 | -16 | 50 | 87 | 4.0 | -0.9 | 1255 | |
| 20 | 2.4 | 7.9 | 9.7 | 7.59 | +7.73 | 2.0 | 14.2 | 87 | 61 | 56 | 64. | -22 | 34 | 89 | — | — | 1285 | |
| 21 | 5.3 | 10.6 | 3.9 | 7.68 | +7.79 | 3.0 | 11.1 | 78 | 57 | 83 | 71 | -15 | 55 | 93 | 4.3 | -0.6 | 1320 | |
| 22 | 3.4 | 6.4 | 5.0 | 4.59 | +4.66 | 2.0 | 6.8 | 85 | 71 | 78 | 81 | - 5 | 68 | 94 | 4.2 | -0.6 | 1255 | |
| 23 | 7.0 | 9.0 | 7.2 | 7.52 | +7.55 | 4.3 | 10.0 | 90 | 86 | 88 | 85 | - 1 | 72 | 93 | 4.2 | -0.6 | 1290 | |
| 24 | 2.6 | 8.0 | 2.7 | 4.83 | +4.82 | 1.8 | 9.0 | 96 | 75 | 93 | 90 | + 5 | 67 | 99 | 4.5 | -0.3 | 1305 | |
| 25 | 0.0 | 1.2 | 0.2 | 0.38 | +0.32 | - 0.5 | 2.8 | 100 | 100 | 100 | 99 | +14 | 97 | 100 | 4.2 | -0.6 | 1285 | |
| 26 | - 2.0 | -0.8 | - 1.1 | -1.10 | -1.20 | - 3.0 | 0.2 | 100 | 100 | 100 | 100 | +45 | 99 | 100 | 4.1 | -0.7 | 1265 | |
| 27 | - 2.6 | -1.4 | - 1.0 | -1.69 | -1.84 | - 3.5 | -0.8 | 98 | 99 | 99 | 99 | +14 | 98 | 100 | — | — | 1255 | |
| 28 | - 3.0 | -1.4 | - 1.7 | -1.83 | -2.04 | - 3.5 | -1.0 | 99 | 99 | 98 | 99 | +14 | 98 | 100 | 4.0 | -0.8 | 1265 | |
| 29 | - 2.8 | -2.2 | - 1.2 | -1.94 | -2.20 | - 3.5 | -0.9 | 100 | 99 | 99 | 99 | +14 | 98 | 100 | 4.0 | -0.8 | 1255 | |
| 30 | - 2.0 | -0.9 | - 0.6 | -1.29 | -1.61 | - 3.0 | -0.4 | 98 | 99 | 96 | 97 | +12 | 94 | 100 | 4.0 | -0.8 | 1250 | |
| 31 | - 1.1 | -0.6 | - 0.5 | -0.79 | -1.17 | - 2.0 | -0.2 | 94 | 92 | 96 | 94 | + 9 | 90 | 97 | 4.0 | -0.8 | 1250 | |
| Mois | -0.83 | 2.82 | 0.95 | 0.92 | +1.00 | -2.78 | 4.52 | 87 | 77 | 84 | 84 | - 2 | | | 3.97 | -1.14 | 1234 | |

MOYENNES DE GENÈVE — JANVIER 1918

Correction pour réduire la pression atmosphérique de Genève à la pesanteur normale : + 0 mm.02. — Cette correction n'est pas appliquée dans les tableaux.

Pression atmosphérique : 700 +

| Heure | 1 $\frac{1}{2}$ mm | 4 $\frac{1}{2}$ mm | 7 $\frac{1}{2}$ mm | 10 $\frac{1}{2}$ mm | 13 $\frac{1}{2}$ mm | 16 $\frac{1}{2}$ mm | 19 $\frac{1}{2}$ mm | 22 $\frac{1}{2}$ mm | Moyenne mm |
|----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| 1 ^{re} déc. | 27.55 | 27.19 | 27.39 | 28.31 | 27.99 | 28.13 | 28.65 | 28.79 | 28.00 |
| 2 ^e » | 28.88 | 28.18 | 27.74 | 28.18 | 27.12 | 27.09 | 27.49 | 27.80 | 27.81 |
| 3 ^e » | 35.10 | 35.03 | 35.30 | 35.91 | 35.37 | 35.09 | 35.70 | 36.27 | 35.47 |
| Mois | 30.66 | 30.29 | 30.31 | 30.96 | 30.33 | 30.27 | 30.78 | 31.12 | 30.59 |

Température

| | | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 ^{re} déc. | -3.88 | -4.47 | -4.63 | -3.44 | -0.64 | -0.93 | -2.40 | -2.88 | -2.91 |
| 2 ^e » | 2.76 | 2.11 | 1.59 | 3.54 | 6.60 | 6.91 | 5.56 | 3.94 | 4.13 |
| 3 ^e » | 1.53 | 1.10 | 0.44 | 0.85 | 2.54 | 2.57 | 1.87 | 1.01 | 1.49 |
| Mois | 0.20 | -0.37 | -0.83 | 0.33 | 2.82 | 2.84 | 1.68 | 0.70 | 0.92 |

Fraction de saturation en %

| | | | | | | | | | |
|----------------------|----|----|----|----|----|----|----|----|----|
| 1 ^{re} déc. | 85 | 85 | 85 | 80 | 74 | 77 | 83 | 82 | 81 |
| 2 ^e » | 82 | 84 | 81 | 77 | 66 | 67 | 75 | 78 | 76 |
| 3 ^e » | 92 | 93 | 94 | 94 | 89 | 89 | 92 | 94 | 92 |
| Mois | 87 | 88 | 87 | 84 | 77 | 78 | 84 | 85 | 84 |

Dans ce mois l'air a été calme 253 fois sur 1000

Le rapport des vents $\frac{\text{NNE}}{\text{SSW}} = \frac{44}{51} = 0.86$

Moyennes des 3 observations

(7 $\frac{1}{2}$, 13 $\frac{1}{2}$, 21 $\frac{1}{2}$)

mm

Pression atmosphérique 30.56

Nébulosité 6.8

Temp. $\left\{ \begin{array}{l} \frac{7 \frac{1}{2} + 13 \frac{1}{2} + 21 \frac{1}{2}}{3} . . . 0^{\circ}.98 \\ \frac{7 \frac{1}{2} + 13 \frac{1}{2} + 2 \times 21 \frac{1}{2}}{4} . . . 0^{\circ}.97 \end{array} \right.$

Fraction de saturation 83 %

Valeurs normales du mois pour les éléments météorologiques, d'après Plantamour :

mm Press. atmosphérique . (1836-1875) 727.37

Nébulosité (1847-1875) 7.9

Hauteur de pluie . . (1826-1875) 48.8

Nombre de jours de pluie 10

Temp. moyenne -0°.08

Fract. de saturation (1849-1875) 86 %

Observations météorologiques faites dans le canton de Genève

Résultats des observations pluviométriques

| Station | Céliney | Collex | Chambésy | Châtelaine | Satigny | Athenaz | Combesières |
|------------------------|---------|--------------|----------|------------|----------|---------|-------------|
| Hauteur d'eau en mm | 91.3 | 80.3 | 68.9 | 69.4 | 74.1 | 72.6 | 47.4 |
| Station | Veyrier | Observatoire | | Cologny | Puplinge | Jussy | Hermance |
| Hauteur d'eau en mm | 45.6 | 51.3 | | 43.0 | ? | 39.6 | 61.7 |

OBSERVATIONS MÉTÉOROLOGIQUES

FAITES AU

GRAND SAINT-BERNARD

PENDANT LE MOIS

DE JANVIER 1918

Les 8, 9, 10, 13, 18, 19 et 23, brouillard une partie de la journée.

les 20, 21 et 22, brouillard toute la journée.

les 8, 9, et 10, très forte bise.

les 21, et 22, vent très fort.

GRAND SAINT-BERNARD — JANVIER 1918

| Jour du mois | Pression atmosphérique 500 mm + | | | Vent | | | Nébulosité | | | Moyenne 3 obs. | | | |
|--------------------|---------------------------------|--------|--------|-------------------|-----------------------|-------------------|------------|--------|--------|-------------------|-------|--------|--------|
| | 7 1/2 | 13 1/2 | 21 1/2 | Moyenne 3 obs. | Ecart av. la norm. | Baromètre Max. | 7 1/2 | 13 1/2 | 21 1/2 | Dominant | 7 1/2 | 13 1/2 | 21 1/2 |
| 1 | 59.1 | 59.8 | 60.9 | 59.9 | -1.5 | 58.9 | 61.6 | NE | SW | 1 | 10 | 10 | 10 |
| 2 | 62.1 | 62.6 | 62.4 | 62.3 | +1.0 | 61.6 | 63.0 | NE | NE | 1 | 2 | 0 | 1 |
| 3 | 59.6 | 58.6 | 59.8 | 59.3 | -2.0 | 58.3 | 61.7 | NE | NE | 1 | 0 | 0 | 3 |
| 4 | 62.3 | 62.8 | 64.3 | 63.4 | +1.8 | 60.8 | 64.7 | NE | NE | 1 | 0 | 0 | 0 |
| 5 | 66.6 | 67.0 | 66.9 | 66.8 | +5.6 | 64.7 | 67.2 | NE | NE | 0 | 0 | 0 | 0 |
| 6 | 65.0 | 63.0 | 61.2 | 63.1 | +1.9 | 60.1 | 66.6 | NE | 1 | NE | 1 | 1 | 1 |
| 7 | 57.5 | 55.3 | 52.5 | 55.1 | -6.1 | 51.0 | 60.1 | NE | SW | 1 | 10 | 10 | 10 |
| 8 | 47.8 | 47.4 | 48.6 | 47.9 | -13.3 | 46.8 | 51.0 | SW | 2 | SW | 0 | 9 | 10 |
| 9 | 52.5 | 55.0 | 60.1 | 55.9 | -5.3 | 49.8 | 60.4 | NE | 5 | NE | 5 | 10 | 10 |
| 10 | 61.2 | 64.6 | 65.6 | 63.8 | +2.7 | 60.4 | 65.6 | NE | 3 | NE | 1 | 10 | 10 |
| 11 | 63.8 | 63.7 | 63.4 | 63.6 | -2.5 | 63.0 | 65.2 | NE | 0 | NE | 1 | 10 | 10 |
| 12 | 61.3 | 60.3 | 59.2 | 60.3 | -0.8 | 59.0 | 63.0 | NE | 0 | SW | 1 | 0 | 0 |
| 13 | 57.4 | 55.8 | 58.0 | 57.1 | -4.0 | 55.5 | 59.2 | SW | 1 | SW | 0 | 10 | 10 |
| 14 | 61.1 | 62.9 | 64.7 | 62.9 | +1.9 | 58.9 | 65.0 | NE | 0 | NE | 1 | 0 | 1 |
| 15 | 65.4 | 66.1 | 67.6 | 66.4 | +5.4 | 64.8 | 67.9 | SW | 1 | NE | 1 | 2 | 10 |
| 16 | 66.5 | 65.5 | 67.4 | 66.5 | +5.5 | 65.1 | 67.7 | SW | 2 | SW | 1 | 10 | 10 |
| 17 | 67.0 | 68.7 | 69.2 | 68.3 | +7.4 | 67.0 | 69.6 | NE | 0 | SW | 1 | 0 | 5 |
| 18 | 68.0 | 66.3 | 66.1 | 66.8 | +5.9 | 65.9 | 69.5 | SW | 0 | SW | 1 | 10 | 10 |
| 19 | 65.4 | 65.7 | 65.7 | 65.6 | +4.7 | 65.3 | 66.1 | NE | 1 | SW | 2 | 10 | 10 |
| 20 | 65.4 | 65.1 | 65.3 | 65.3 | +4.4 | 64.8 | 66.3 | SW | 2 | SW | 1 | 10 | 10 |
| 21 | 62.1 | 62.1 | 62.7 | 62.3 | +1.5 | 61.7 | 64.8 | SW | 3 | SW | 4 | 10 | 10 |
| 22 | 63.0 | 62.8 | 63.9 | 63.2 | +2.4 | 62.4 | 64.5 | SW | 3 | SW | 3 | 10 | 10 |
| 23 | 66.2 | 68.2 | 70.9 | 68.4 | +7.6 | 64.5 | 72.3 | SW | 0 | SW | 1 | 10 | 10 |
| 24 | 72.8 | 73.3 | 75.5 | 73.9 | +13.2 | 72.3 | 75.8 | NE | 0 | NE | 1 | 0 | 0 |
| 25 | 76.0 | 75.8 | 76.1 | 76.0 | +15.3 | 75.8 | 76.3 | NE | 0 | NE | 0 | calme | 0 |
| 26 | 75.2 | 74.9 | 74.7 | 74.9 | +14.3 | 74.5 | 75.9 | NE | 0 | SW | 1 | var. | 0 |
| 27 | 73.8 | 73.7 | 73.8 | 73.8 | +13.2 | 73.3 | 74.5 | NE | 0 | NE | 1 | var. | 0 |
| 28 | 72.9 | 72.7 | 72.9 | 72.8 | +12.2 | 72.2 | 73.4 | NE | 0 | SW | 0 | NE | 0 |
| 29 | 72.1 | 72.1 | 71.8 | 72.0 | +11.5 | 71.6 | 72.3 | NE | 0 | SW | 1 | 0 | 0 |
| 30 | 70.8 | 70.3 | 71.0 | 70.7 | +10.2 | 70.0 | 71.6 | SW | 0 | SW | 3 | 4 | 6 |
| 31 | 70.8 | 71.3 | 72.0 | 71.4 | +10.9 | 70.6 | 72.1 | NE | 0 | SW | 0 | 0 | 1 |
| Mois | 64.86 | 64.95 | 65.62 | 65.14 | +4.65 | | | | | | 4.4 | 5.1 | 4.8 |

GRAND SAINT-BERNARD — JANVIER 1918

| Jour du mois | Température | | | | | | Fraction de saturation en % | | | | | | Pluie et Neige | | | | | | | |
|--------------------|-------------|-------|-------|--------|-------|--------|-----------------------------|-------|-------|-----------------------|-------|-------|-------------------|-------|----|------|------|-----------------|----------------------|----------------------|
| | 7 1/2 | | | 13 1/2 | | 21 1/2 | Moyenne 3 obs. | | | Ecart av. la norm. | | Max. | Moyenne 3 obs. | | | Min. | Max. | Ancien Pluie | Nouv. pluv. Pluie | Nouv. pluv. Neige |
| | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | ° | mm | cm | mm | cm | |
| 1 | -41.8 | -9.6 | -9.2 | -10.2 | -10.3 | -10.9 | -14.2 | -13.9 | -13.2 | -14.5 | -11.5 | -14.0 | -8.7 | -8.5 | 95 | 9.5 | 94 | 9.4 | | |
| 2 | -40.7 | -9.4 | -9.0 | -10.2 | -10.3 | -10.9 | -14.2 | -13.9 | -13.2 | -14.3 | -11.7 | -14.6 | -8.5 | -8.3 | 95 | 9.6 | 94 | 9.5 | | |
| 3 | -41.6 | -9.2 | -8.8 | -10.0 | -10.2 | -10.8 | -14.0 | -13.7 | -13.0 | -14.3 | -11.5 | -14.6 | -8.3 | -8.1 | 95 | 9.6 | 94 | 9.5 | | |
| 4 | -41.0 | -14.0 | -11.0 | -14.0 | -14.0 | -14.0 | -14.4 | -14.4 | -14.4 | -14.4 | -14.4 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 5 | -7.8 | -5.2 | -5.6 | -6.2 | -6.2 | -6.2 | -2.5 | -2.5 | -2.5 | + 2.5 | -11.0 | -14.8 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 6 | -5.4 | -3.4 | -4.6 | -4.5 | -4.5 | -4.5 | -4.5 | -4.5 | -4.5 | + 4.3 | -6.3 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 7 | -8.2 | -9.0 | -7.2 | -8.1 | -8.1 | -8.1 | -0.7 | + 0.7 | + 0.7 | -11.1 | -6.0 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 8 | -7.0 | -11.4 | -18.2 | -12.2 | -12.2 | -12.2 | -3.4 | -3.4 | -3.4 | -20.0 | -6.6 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 9 | -16.2 | -11.8 | -14.4 | -14.4 | -14.4 | -14.4 | -5.3 | -5.3 | -5.3 | -23.0 | -11.0 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 10 | -14.5 | -11.0 | -11.8 | -12.4 | -12.4 | -12.4 | -3.5 | -3.5 | -3.5 | -10.4 | -10.4 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 11 | -10.9 | -8.8 | -7.6 | -9.1 | -9.1 | -9.1 | -0.2 | -0.2 | -0.2 | -13.0 | -6.8 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 12 | -6.4 | -3.2 | -7.5 | -5.7 | -5.7 | -5.7 | + 3.2 | + 3.2 | + 3.2 | -10.0 | -2.5 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 13 | -11.2 | -6.7 | -7.6 | -8.5 | -8.5 | -8.5 | + 0.4 | + 0.4 | + 0.4 | -5.4 | -5.4 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 14 | -5.6 | -3.7 | -6.2 | -5.2 | -5.2 | -5.2 | + 3.7 | + 3.7 | + 3.7 | -9.0 | -3.5 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 15 | -9.9 | -9.0 | -10.2 | -9.7 | -9.7 | -9.7 | -0.7 | -0.7 | -0.7 | -11.0 | -8.3 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 16 | -9.2 | -7.9 | -7.7 | -8.3 | -8.3 | -8.3 | + 0.7 | + 0.7 | + 0.7 | -11.0 | -7.2 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 17 | -7.0 | -4.9 | -7.2 | -6.4 | -6.4 | -6.4 | + 2.6 | + 2.6 | + 2.6 | -8.6 | -4.0 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 18 | -9.0 | -9.0 | -13.7 | -13.7 | -13.7 | -13.7 | -10.5 | -10.5 | -10.5 | -14.8 | -8.0 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 19 | -9.4 | -4.4 | -5.0 | -5.0 | -5.0 | -5.0 | -5.0 | -5.0 | -5.0 | -14.8 | -4.0 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 20 | -6.9 | -6.6 | -6.6 | -6.7 | -6.7 | -6.7 | -2.3 | -2.3 | -2.3 | -7.6 | -5.7 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 21 | -7.2 | -7.0 | -8.0 | -7.4 | -7.4 | -7.4 | + 1.6 | + 1.6 | + 1.6 | -8.2 | -6.6 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 22 | -7.7 | -6.2 | -5.6 | -6.5 | -6.5 | -6.5 | + 2.6 | + 2.6 | + 2.6 | -9.0 | -5.3 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 23 | -5.9 | -4.5 | -5.2 | -5.2 | -5.2 | -5.2 | + 3.9 | + 3.9 | + 3.9 | -7.2 | -4.2 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 24 | -5.6 | -3.6 | -3.0 | -4.1 | -4.1 | -4.1 | + 5.0 | + 5.0 | + 5.0 | -6.5 | -2.2 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 25 | -4.5 | -1.0 | -3.4 | -3.0 | -3.0 | -3.0 | + 6.1 | + 6.1 | + 6.1 | -4.8 | 0.4 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 26 | -4.0 | -0.5 | -3.6 | -2.7 | -2.7 | -2.7 | + 6.4 | + 6.4 | + 6.4 | -4.2 | 4.5 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 27 | -5.6 | -1.8 | -4.2 | -3.9 | -3.9 | -3.9 | + 5.2 | + 5.2 | + 5.2 | -6.0 | -0.2 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 28 | -4.6 | -3.4 | -5.9 | -4.6 | -4.6 | -4.6 | + 4.5 | + 4.5 | + 4.5 | -8.4 | -0.2 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 29 | -6.5 | -1.5 | -4.9 | -4.9 | -4.9 | -4.9 | -4.9 | -4.9 | -4.9 | -6.8 | -0.2 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 30 | -4.7 | -2.6 | -5.4 | -5.3 | -5.3 | -5.3 | -5.3 | -5.3 | -5.3 | -6.0 | -1.8 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| 31 | -5.4 | -3.6 | -7.0 | -7.0 | -7.0 | -7.0 | -7.0 | -7.0 | -7.0 | -7.4 | -1.0 | -14.4 | -14.4 | -14.4 | 95 | 9.5 | 94 | 9.4 | | |
| Mois | -8.21 | -6.42 | -7.82 | -7.82 | -7.82 | -7.82 | +1.56 | +1.56 | +1.56 | -10.64 | -5.03 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | | |

246

177

118.8

177

174.0

MOYENNES DU GRAND SAINT-BERNARD — JANVIER 1918

Correction pour réduire la pression atmosphérique du Grand Saint-Bernard à la pesanteur normale : — 0mm.22. — Cette correction n'est pas appliquée dans les tableaux.

Pression atmosphérique : 500^{mm} + Fraction de saturation en %

| Heure | 7 1/2 mm | 13 1/2 mm | 21 1/2 mm | Moyenne mm | 7 1/2 | 13 1/2 | 21 1/2 | Moy. |
|------------------------|-------------|--------------|--------------|---------------|-------|--------|--------|------|
| 1 ^{re} décade | 59.37 | 59.61 | 60.20 | 59.73 | 74 | 76 | 72 | 74 |
| 2 ^e » | 64.13 | 64.01 | 64.68 | 64.27 | 75 | 76 | 80 | 77 |
| 3 ^e » | 70.52 | 70.65 | 71.39 | 70.85 | 69 | 67 | 70 | 69 |
| Mois | 64.86 | 64.95 | 65.62 | 65.14 | 73 | 73 | 74 | 73 |

Température

| Heure | 7 1/2 | 13 1/2 | 21 1/2 | 7 1/2 + 13 1/2 + 21 1/2 | Moyenne |
|------------------------|----------|---------|----------|-------------------------|----------|
| | | | | 3 | 4 |
| 1 ^{re} décade | -10.72 ° | -9.90 ° | -10.68 ° | -10.43 ° | -10.49 ° |
| 2 ^e » | -8.55 | -6.42 | -7.94 | -7.64 | -7.71 |
| 3 ^e » | -5.61 | -3.25 | -5.11 | -4.66 | -4.77 |
| Mois | -8.21 | -6.42 | -7.82 | -7.48 | -7.57 |

Dans ce mois l'air a été calme 344 fois sur 1000

Le rapport des vents $\frac{\text{NNE}}{\text{SSW}} = \frac{50}{47} = 1.06$

Pluie et neige dans le Val d'Entremont

| Station | Martigny-Ville | Orsières | Bourg-St-Pierre | Grand St-Bernard | |
|-----------------|----------------|----------|-----------------|------------------|----------|
| | | | | Anc. P. | Nouv. P. |
| Eau en mm . . | 76.3 | 54.2 | 51.0 | 118.8 | 174.0 |
| Neige en cm . . | 27 | 45 | 28 | 177 | 246 |