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**Meteorologische Tabellen**

**1893.**

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**Magnetische und meteorologische Beobachtungen**

zu Klagenfurt

von

**Ferd. Seeland.**

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**Uebersichten der Witterung**

in Kärnten

vom k. k. Central-Observatorium

zu Wien.

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**Stunden-Beobachtungen**

mit dem

**Baro-, Thermo- und Heliographen**

und das

**Witterungsjahr 1893 zu Klagenfurt**

von

**Ferd. Seeland.**

# Magnetische Declinations-Beobachtungen zu Klagenfurt

December

von  
**F. Seeland.**

1892.

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                    |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|--------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 10° +           | Kremsmünster 10° + | Wien 9° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                    |           |                                                       |
| 1.     | 42.7                      | 47.0           | 42.0           | 43.9         | 5.0             | 0.7                  | 6.56               | 52.33     | 437.238                                               |
| 2.     | 42.7                      | 46.0           | 42.0           | 42.6         | 4.0             | 0.0                  | 6.32               | 52.13     | 437.218                                               |
| 3.     | 42.0                      | 46.0           | 41.3           | 43.1         | 4.7             | 0.1                  | 5.73               | 51.87     | 437.198                                               |
| 4.     | 42.7                      | 47.0           | 40.6           | 43.4         | 6.4             | 0.0                  | 6.24               | 51.27     | 437.196                                               |
| 5.     | 46.7                      | 45.4           | 40.0           | 44.0         | 6.7             | -1.9                 | 4.30               | 48.27     | 437.184                                               |
| 6.     | 43.4                      | 43.4           | 41.3           | 42.7         | 2.1             | -1.7                 | 6.77               | 51.40     | 437.156                                               |
| 7.     | 42.0                      | 44.7           | 41.3           | 42.7         | 3.4             | -0.8                 | 6.02               | 49.53     | 437.156                                               |
| 8.     | 42.0                      | 43.4           | 41.3           | 42.2         | 2.1             | 0.0                  | 7.58               | 51.80     | 437.136                                               |
| 9.     | 42.0                      | 45.4           | 42.0           | 43.1         | 3.4             | -0.4                 | 6.50               | 51.80     | 437.128                                               |
| 10.    | 42.0                      | 45.4           | 41.3           | 42.9         | 4.1             | -0.3                 | 7.04               | 51.60     | 437.136                                               |
| 11.    | 42.0                      | 46.0           | 42.0           | 43.3         | 4.0             | -0.1                 | 4.87               | 52.10     | 437.131                                               |
| 12.    | 42.0                      | 44.0           | 41.3           | 42.4         | 2.7             | -0.3                 | 7.04               | 45.90     | 437.128                                               |
| 13.    | 44.0                      | 47.4           | 36.6*          | 42.7         | 10.8            | -0.4                 | 6.45               | 48.93     | 437.111                                               |
| 14.    | 42.7                      | 46.0           | 40.6           | 43.1         | 5.4             | 0.2                  | 6.61               | 51.17     | 437.098                                               |
| 15.    | 42.7                      | 44.7           | 40.6           | 42.7         | 4.1             | 0.3                  | 6.11               | 51.97     | 437.081                                               |
| 16.    | 42.0                      | 44.0           | 40.6           | 42.2         | 3.4             | 0.3                  | 4.37               | 53.00     | 437.066                                               |
| 17.    | 42.0                      | 44.0           | 40.6           | 42.2         | 3.4             | 0.3                  | 7.49               | 52.97     | 437.066                                               |
| 18.    | 41.3                      | 44.0           | 40.6           | 42.0         | 3.4             | 0.1                  | 7.23               | 52.50     | 437.076                                               |
| 19.    | 42.7                      | 45.4           | 41.3           | 43.1         | 4.1             | 0.4                  | 7.38               | 53.00     | 437.061                                               |
| 20.    | 42.0                      | 44.0           | 40.6           | 42.2         | 3.4             | 0.2                  | 7.29               | 53.03     | 437.041                                               |
| 21.    | 42.0                      | 45.0           | 40.6           | 42.5         | 4.4             | 0.0                  | 6.49               | 52.17     | 437.038                                               |
| 22.    | 42.7                      | 44.7           | 40.0           | 42.5         | 4.7             | 0.3                  | 7.13               | 52.14     | 437.036                                               |
| 23.    | 41.3                      | 46.7           | 40.0           | 42.7         | 6.7             | 0.2                  | 5.81               | 51.93     | 437.031                                               |
| 24.    | 40.6                      | 44.0           | 39.3*          | 41.3         | 4.7             | -0.3                 | 7.05               | 52.27     | 437.026                                               |
| 25.    | 42.7                      | 46.7           | 42.0           | 43.8         | 4.7             | -0.3                 | 6.90               | 53.03     | 437.011                                               |
| 26.    | 42.7                      | 48.0           | 42.7           | 44.5         | 5.3             | -0.2                 | 7.30               | 52.90     | 436.996                                               |
| 27.    | 42.0                      | 47.4           | 43.4           | 44.3         | 5.4             | -0.3                 | 6.97               | 52.77     | 436.996                                               |
| 28.    | 42.7                      | 44.6           | 41.3           | 42.9         | 3.3             | -0.4                 | 7.11               | 52.60     | 436.991                                               |
| 29.    | 42.0                      | 46.7           | 39.3           | 42.7         | 7.4             | -0.9                 | 6.20               | 52.27     | 436.988                                               |
| 30.    | 43.4                      | 46.6           | 42.7           | 44.3         | 4.0             | -0.2                 | 5.77               | 53.00     | 436.961                                               |
| 31.    | 43.4                      | *46.6          | 42.0           | 40.7         | 6.8             | -0.4                 | 6.50               | 52.27     | 436.950                                               |
| Mittel | 42.5                      | 45.2           | 41.0           | 42.9         | 4.6             | -0.2                 | 6.55               | 51.74     | 437.085                                               |

Die mittlere magnetische Declination in Klagenfurt war 9° 42.3', mit dem Maximum 9° 44.5' am 26. und dem Minimum 9° 40.7' am 31.

Die Tagesvariation betrug im Mittel 4.6', mit dem Maximum 10.8' am 13. und dem Minimum 2.1' am 6. und 8.

Am 13., 24. und 31. waren Störungen.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 27.8                    | 27.8           | 27.6           | 27.7   | + 5.0           | - 6.5               | - 2.4          | - 6.5          | - 5.1  | - 4.5           | 6              | 3              | 30.2              |
| 2.     | 25.4                    | 23.0           | 25.1           | 24.5   | + 1.7           | - 6.5               | - 2.6          | - 2.0          | - 3.7  | - 2.7           | 5              | 4              | 25.9              |
| 3.     | 28.4                    | 27.9           | 25.5           | 27.3   | + 4.5           | - 6.0               | - 1.2          | - 2.5          | - 3.2  | - 1.7           | 3              | 3              |                   |
| 4.     | 19.4                    | 15.0           | 11.2           | 15.2   | - 7.7           | - 4.6               | - 2.0          | - 3.1          | - 3.2  | - 1.3           | 12             | 3              |                   |
| 5.     | 10.1                    | 10.8           | 11.5           | 10.8   | -12.1           | - 1.7               | 1.4            | - 5.8          | - 2.0  | + 0.2           | 8              | 2              |                   |
| 6.     | 12.1                    | 12.6           | 13.2           | 12.6   | -10.3           | -10.5               | 0.2            | - 5.5          | - 5.3  | - 3.0           | 3              | 4              | 60.7              |
| 7.     | 15.6                    | 16.8           | 18.5           | 17.0   | - 6.0           | - 2.4               | 1.6            | - 4.3          | - 1.7  | + 0.7           | 8              | 4              | 33.3              |
| 8.     | 22.0                    | 23.2           | 24.3           | 23.2   | + 0.2           | -11.7               | - 5.3          | -10.6          | - 9.2  | - 6.7           | 7              | 4              | 61.9              |
| 9.     | 25.2                    | 24.4           | 23.5           | 24.4   | + 1.4           | -14.6               | - 9.2          | -12.9          | -12.2  | - 9.6           | 8              | 3              | 63.1              |
| 10.    | 20.7                    | 20.2           | 20.7           | 20.5   | - 2.6           | -13.5               | - 9.6          | - 8.9          | -10.7  | - 8.0           | 7              | 3              | 34.5              |
| 11.    | 20.5                    | 20.4           | 20.6           | 20.5   | - 2.6           | - 7.0               | - 2.5          | -10.2          | - 6.6  | - 3.7           | 6              | 4              | 9.6               |
| 12.    | 20.3                    | 20.8           | 21.5           | 20.9   | - 2.3           | - 8.3               | - 5.8          | - 8.4          | - 7.5  | - 4.4           | 6              | 4              | 15.7              |
| 13.    | 20.1                    | 18.4           | 19.1           | 19.2   | - 4.0           | -10.3               | - 1.6          | - 1.9          | - 4.6  | - 1.2           | 6              | 3              | 55.4              |
| 14.    | 24.7                    | 26.9           | 28.7           | 26.8   | + 3.6           | - 0.5               | - 0.4          | - 1.5          | - 0.5  | + 3.1           | 4              | 3              | 19.3              |
| 15.    | 27.9                    | 26.6           | 26.1           | 26.9   | + 3.6           | - 3.4               | - 1.8          | - 2.4          | - 2.4  | + 1.3           | 7              | 2              | 7.2               |
| 16.    | 23.8                    | 26.2           | 31.9           | 27.3   | + 4.0           | - 7.2               | - 0.2          | - 0.8          | - 2.7  | + 1.2           | 7              | 2              | 22.9              |
| 17.    | 34.0                    | 34.5           | 34.1           | 34.2   | +10.8           | - 8.3               | - 1.8          | - 5.3          | - 5.1  | - 1.0           | 5              | 3              | 51.8              |
| 18.    | 34.2                    | 32.8           | 32.2           | 33.1   | + 9.7           | - 9.1               | - 2.6          | - 5.8          | - 5.8  | - 1.4           | 4              | 3              | 45.7              |
| 19.    | 30.7                    | 28.4           | 27.0           | 28.7   | + 5.3           | -10.5               | - 0.8          | - 6.8          | - 6.0  | - 1.3           | 6              | 3              | 39.8              |
| 20.    | 26.2                    | 24.5           | 24.0           | 24.9   | + 1.4           | -12.8               | - 5.6          | - 9.7          | - 9.4  | - 4.3           | 7              | 3              | 44.6              |
| 21.    | 25.4                    | 24.8           | 24.0           | 24.7   | + 1.2           | -13.3               | - 6.6          | -10.1          | -10.0  | - 4.5           | 7              | 3              | 37.3              |
| 22.    | 24.0                    | 23.5           | 23.0           | 23.5   | 0.0             | -11.3               | - 6.4          | - 7.4          | - 8.4  | - 2.8           | 3              | 5              | 12.2              |
| 23.    | 22.3                    | 21.9           | 22.0           | 22.1   | - 1.5           | - 4.9               | - 2.0          | - 2.4          | - 3.1  | + 2.5           | 5              | 11             |                   |
| 24.    | 22.1                    | 22.4           | 23.0           | 22.5   | - 1.1           | - 5.9               | - 5.2          | - 8.8          | - 6.6  | - 1.0           | 10             | 9              | 44.5              |
| 25.    | 23.2                    | 22.9           | 23.3           | 23.1   | - 0.5           | - 8.9               | - 6.8          | -14.3          | -10.0  | - 4.6           | 10             | 5              | 35.0              |
| 26.    | 23.7                    | 23.6           | 22.9           | 23.4   | - 0.2           | -13.7               | - 9.3          | -15.5          | -12.8  | - 7.5           | 9              | 4              | 39.8              |
| 27.    | 24.3                    | 24.9           | 27.5           | 25.6   | + 1.9           | -14.7               | - 9.2          | -11.4          | -11.8  | - 6.5           | 7              | 3              | 16.9              |
| 28.    | 29.9                    | 29.9           | 29.5           | 29.7   | + 6.0           | -15.0               | -10.2          | -15.6          | -13.6  | - 8.1           | 7              | 3              | 45.8              |
| 29.    | 27.3                    | 24.0           | 22.0           | 24.4   | + 0.7           | -16.1               | -12.4          | -14.8          | -14.4  | - 8.6           | 7              | 3              | 62.6              |
| 30.    | 19.5                    | 17.2           | 16.3           | 17.7   | - 6.0           | -15.8               | -11.8          | -12.4          | -13.3  | - 7.1           | 6              | 2              | 8.3               |
| 31.    | 15.3                    | 14.2           | 13.1           | 14.2   | - 9.6           | -11.2               | - 9.8          | -11.3          | -10.8  | - 4.3           | 5              | 2              |                   |
| Mittel | 23.42                   | 22.92          | 22.99          | 23.11  | -0.10           | 9.23                | 4.55           | 7.69           | 7.16   | -3.27           | 6.5            | 3.7            | 29.81             |

Am 8. hatte das Oberwasser des Wörthersee's 3.2° C Wärme.

16. p. m. Jauck.

17. Morgenroth.

28. Temperatur des Wörtherseeoberwassers 2.7° C und froh der See zwischen Villa Hermann und Einsiedlerinsel, Pörschach-Dellach zu.

im December 1892. Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 25                       | 29             | 25             | 26     | 90                                    | 75             | 90             | 85     | 10                           | 1              | 0              | 4      | SE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 | 54         |
| 25                       | 37             | 37             | 33     | 92                                    | 98             | 94             | 95     | 10                           | 0              | 9              | 6      | N <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | Spur*             |            |
| 26                       | 40             | 36             | 34     | 90                                    | 94             | 94             | 93     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 28                       | 36             | 34             | 33     | 88                                    | 92             | 94             | 91     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | E <sup>1</sup>  | NE <sup>1</sup> | 4.6*              |            |
| 38                       | 45             | 23             | 35     | 84                                    | 89             | 85             | 86     | 10                           | 10             | 4              | 8      | N <sup>1</sup>             | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 17                       | 24             | 26             | 28     | 86                                    | 90             | 87             | 88     | 1                            | 5              | 5              | 4      | NW <sup>1</sup>            | NW <sup>3</sup> | NW <sup>2</sup> | —                 |            |
| 35                       | 48             | 28             | 37     | 92                                    | 93             | 86             | 90     | 10                           | 3              | 9              | 7      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 13                       | 27             | 14             | 18     | 71                                    | 88             | 73             | 77     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | E <sup>1</sup>  | NE <sup>1</sup> | —                 |            |
| 12                       | 16             | 13             | 14     | 82                                    | 65             | 76             | 74     | 10                           | 0              | 0              | 3      | E <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 13                       | 19             | 20             | 17     | 84                                    | 87             | 88             | 86     | 10                           | 0              | 10             | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 23                       | 25             | 16             | 21     | 86                                    | 92             | 80             | 86     | 10*                          | 9              | 0              | 6      | NE <sup>1</sup>            | SW <sup>1</sup> | NE <sup>1</sup> | 0.9*              |            |
| 20                       | 25             | 20             | 22     | 82                                    | 85             | 85             | 84     | 10                           | 4              | 0              | 5      | SW <sup>1</sup>            | SW <sup>1</sup> | NE <sup>1</sup> | 0.3               |            |
| 18                       | 35             | 37             | 30     | 87                                    | 86             | 92             | 88     | 7                            | 2              | 10             | 6      | NE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 42                       | 42             | 39             | 41     | 94                                    | 89             | 94             | 92     | 10                           | 3              | 10             | 8      | E <sup>1</sup>             | SW <sup>1</sup> | SW <sup>1</sup> | 4.6*              |            |
| 31                       | 34             | 35             | 33     | 89                                    | 84             | 90             | 88     | 10                           | 3              | 10             | 8      | N <sup>1</sup>             | NE <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 22                       | 40             | 33             | 32     | 87                                    | 89             | 75             | 84     | 5                            | 2              | 0              | 2      | NE <sup>2</sup>            | SW <sup>2</sup> | W <sup>1</sup>  | —                 |            |
| 21                       | 32             | 26             | 26     | 88                                    | 80             | 85             | 84     | 3                            | 1              | 0              | 1      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 20                       | 31             | 23             | 25     | 88                                    | 83             | 80             | 84     | 2                            | 0              | 0              | 1      | W <sup>1</sup>             | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 17                       | 37             | 22             | 25     | 86                                    | 85             | 81             | 84     | 7                            | 3              | 0              | 3      | SE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 12                       | 27             | 17             | 19     | 73                                    | 90             | 77             | 80     | 3                            | 0              | 0              | 1      | NE <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 14                       | 23             | 10             | 16     | 88                                    | 84             | 48             | 73     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 17                       | 25             | 22             | 21     | 93                                    | 50             | 86             | 90     | 10                           | 3              | 0              | 4      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 29                       | 38             | 35             | 34     | 93                                    | 96             | 92             | 94     | 10                           | 10             | 10             | 10     | SE <sup>1</sup>            | SE <sup>1</sup> | E <sup>3</sup>  | —                 |            |
| 25                       | 29             | 20             | 25     | 87                                    | 96             | 88             | 90     | 10                           | 3              | 10             | 8      | NE <sup>4</sup>            | NE <sup>4</sup> | NE <sup>1</sup> | —                 |            |
| 19                       | 22             | 09             | 17     | 85                                    | 81             | 61             | 76     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | Spur*             |            |
| 11                       | 19             | 08             | 13     | 71                                    | 84             | 63             | 73     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | Spur*             |            |
| 11                       | 20             | 15             | 15     | 78                                    | 88             | 78             | 81     | 10                           | 8              | 10             | 9      | SE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 11                       | 16             | 08             | 12     | 77                                    | 80             | 63             | 73     | 10                           | 0              | 0              | 3      | S <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 10                       | 13             | 10             | 11     | 81                                    | 77             | 73             | 77     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 09                       | 15             | 15             | 13     | 71                                    | 85             | 85             | 80     | 10                           | 4              | 7              | 7      | NE <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 17                       | 20             | 15             | 17     | 93                                    | 94             | 82             | 90     | 10                           | 8              | 10             | 9      | E <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 203                      | 292            | 223            | 240    | 85.0                                  | 86.7           | 81.4           | 84.4   | 8.3                          | 3.3            | 4.4            | 5.3    | 1.1                        | 1.2             | 1.1             | 10.4              | 68         |

Grundwasserstand in Klagenfurt:

|                                     |               |
|-------------------------------------|---------------|
| K. k. Militärspital                 | 437.800 Meter |
| Seelandbrunnen                      | 437.085       |
| Friedhofbrunnen                     | 436.850       |
| Maschinengewerbliche Fachschule     | 436.010       |
| Wörtherseespiegel.                  | 441.181       |
| Höchster Pegelstand am 1., 24., 27. | 441.188 „     |
| Tiefster „ „ 12.                    | 441.168 „     |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.890 m.  
Maximum am 1. 426.990 m. Minimum am 31. 426.740 m.

Vorläufige Uebersicht der Witterung in Kärnten im December 1892 vom Central-Observatorium in Wien.

IV

| Stationen         | Seehöhe<br>Meter | Luftdruck in Millimeter |     |          |     | Luftwärme in Celsius ° |         |          |       | Dunst-<br>druck<br>mm | Fench-<br>tigkeit<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |       |                    | Tage |        |           | darunter mit |                   |        |       |          |       |          |    |          |
|-------------------|------------------|-------------------------|-----|----------|-----|------------------------|---------|----------|-------|-----------------------|------------------------|-----------|---------------------------|--------------|-------|--------------------|------|--------|-----------|--------------|-------------------|--------|-------|----------|-------|----------|----|----------|
|                   |                  | Grösster                | am  | Kleinst. | am  | Mittel                 | Grösste | Kleinste | am    |                       |                        |           |                           | Mittel       | Summe | Grösster<br>in 24h | am   | heiter | b. heiter | trüb         | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |          |    |          |
|                   |                  |                         |     |          |     |                        |         |          |       |                       |                        |           |                           |              |       |                    |      |        |           |              |                   |        |       |          |       | Grösster | am | Kleinste |
| Klagenfurt I.     | 448              | 734.5                   | 17. | 710.1    | 5.  | 723.1                  | 1.8     | 7.       | -16.1 | 29.                   | -7.2                   | 2.4       | 84                        | 5.3          | NE    | 10                 | 5    | 4. 13. | 12        | 7            | 12                | 7      | 6     | 0        | 0     | 0        | 0  |          |
| dto. II.          | 504              | —                       | —   | —        | —   | —                      | 4.2     | 16.      | -15.4 | 29.                   | -6.2                   | —         | —                         | 6.7          | NW    | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  | —        |
| Kappel a. d. Drau | 441              | —                       | —   | —        | —   | —                      | 6.4     | 16.      | -18.4 | 27.                   | -7.2                   | —         | —                         | —            | —     | 26                 | 13   | 13.    | —         | —            | —                 | —      | —     | —        | —     | —        | —  | —        |
| Saager . . .      | 486              | —                       | —   | —        | —   | —                      | 2.0     | 14.      | -17.9 | 29.                   | -6.5                   | —         | —                         | —            | —     | 16                 | 12   | 13.    | —         | —            | —                 | —      | —     | —        | —     | —        | —  | —        |
| St. Michael .     | 495              | —                       | —   | —        | —   | —                      | 9.4     | 5.       | -22.2 | 29.                   | -6.4                   | —         | —                         | —            | E     | 8                  | 5    | 4.     | 17        | 6            | 8                 | 3      | 3     | 0        | 0     | 0        | 0  |          |
| Unterdrauburg .   | 343              | —                       | —   | —        | —   | —                      | 3.4     | 1.       | -19.0 | 26. 29.               | -6.2                   | —         | —                         | 3.2          | W     | 11                 | 6    | 13.    | 19        | 6            | 6                 | 2      | 2     | 0        | 0     | 0        | 0  |          |
| Liescha           | 552              | 724.9                   | 17. | 700.6    | 5.  | 713.2                  | 4.0     | 19.      | -17.1 | 29.                   | -5.5                   | —         | —                         | 4.1          | W     | 25                 | 15   | 13.    | 15        | 10           | 6                 | 4      | 4     | 0        | 0     | 0        | 0  |          |
| Eisenkappel       | 554              | —                       | —   | —        | —   | —                      | 0.8     | 6.       | -19.0 | 29.                   | -8.2                   | —         | —                         | 5.6          | SW    | 14                 | 10   | 13.    | 6         | 13           | 12                | 3      | 2     | 0        | 0     | 0        | 0  |          |
| Obir              | 2047             | 603.3                   | 18. | 577.9    | 31. | 590.0                  | 7.5     | 20.      | -17.0 | 31.                   | -6.7                   | 2.8       | 93                        | 3.8          | SW    | 44                 | 22   | 4.     | 14        | 10           | 7                 | 5      | 5     | 0        | 0     | 0        | 7  |          |
| St. Andrä . .     | 432              | 738.1                   | 17. | 714.3    | 5.  | 726.8                  | 8.3     | 16.      | -22.2 | 28.                   | -7.5                   | 2.6       | 94                        | 1.5          | NE    | 2                  | 1    | 13.    | 10        | 10           | 11                | 5      | 4     | 0        | 0     | 0        | 0  |          |
| Stelzing          | 1410             | —                       | —   | —        | —   | —                      | 9.4     | 19.      | -17.2 | 25.                   | -5.1                   | —         | —                         | 3.8          | W     | —                  | —    | —      | 14        | 10           | 7                 | —      | —     | —        | —     | —        | —  |          |
| Knappenberg       | 1045             | —                       | —   | —        | —   | —                      | 7.5     | 19.      | -16.8 | 26.                   | -5.1                   | —         | —                         | 2.6          | E     | 2                  | 1    | 5.     | 22        | 7            | 2                 | 5      | 5     | 0        | 0     | 0        | 0  |          |
| Hüttenberg .      | 783              | 704.2                   | 17. | 679.6    | 5.  | 691.5                  | 8.2     | 16.      | -15.4 | 27.                   | -4.1                   | —         | —                         | 2.7          | NE    | 2                  | 2    | 5.     | 21        | 7            | 3                 | 1      | 1     | 0        | 0     | 0        | 0  |          |
| Guttaring         | 642              | —                       | —   | —        | —   | —                      | 9.0     | 15.      | -18.5 | 27.                   | -6.5                   | —         | —                         | 1.5          | W     | 2                  | 2    | 4.     | 23        | 4            | 4                 | 1      | 1     | 0        | 0     | 0        | 0  |          |
| St. Peter i. K.   | 1217             | —                       | —   | —        | —   | —                      | 6.4     | 19.      | -16.7 | 27.                   | -5.8                   | —         | —                         | 3.8          | N     | 5                  | 2    | 2.     | 13        | 11           | 8                 | 5      | 5     | 0        | 0     | 0        | 0  |          |
| Pörschach .       | 464              | —                       | —   | —        | —   | —                      | 3.2     | 7. 13.   | -15.0 | 29.                   | -4.7                   | —         | —                         | —            | —     | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  |          |
| Radweg            | 692              | —                       | —   | —        | —   | —                      | 9.2     | 16.      | -16.6 | 29.                   | -5.5                   | —         | —                         | 4.2          | W     | 4                  | 2    | 13.    | 11        | 12           | 8                 | 5      | 5     | 0        | 0     | 2        | —  |          |
| Sirnitz           | 800              | —                       | —   | —        | —   | —                      | 5.7     | 16.      | -15.0 | 27.                   | -4.2                   | —         | —                         | 3.2          | E     | 4                  | 1    | 23.    | 17        | 7            | 7                 | 3      | 3     | 0        | 0     | 0        | 0  |          |
| Reichenau .       | 1059             | —                       | —   | —        | —   | —                      | 7.4     | 18. 19.  | -19.4 | 27.                   | -4.0                   | —         | —                         | 1.3          | —     | 0                  | 0    | —      | 24        | 5            | 2                 | 1      | 1     | 0        | 0     | 0        | 0  |          |
| Bad Villach .     | 488              | —                       | —   | —        | —   | —                      | 3.8     | 13.      | -19.2 | 29.                   | -6.9                   | —         | —                         | —            | —     | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  |          |
| Bleiberg          | 927              | 692.4                   | 17. | 669.1    | 31. | 687.3                  | 7.0     | 16.      | -18.2 | 27.                   | -6.7                   | —         | —                         | 3.8          | NW    | 6                  | 6    | 5.     | 15        | 14           | 2                 | 1      | 1     | 0        | 0     | 0        | 0  |          |
| Raibl             | 981              | —                       | —   | —        | —   | —                      | 15.4    | 19.      | -16.4 | 27.                   | -4.5                   | —         | —                         | 2.8          | N     | 14                 | 8    | 13.    | 20        | 5            | 6                 | 4      | 4     | 0        | 0     | 0        | 0  |          |
| Waidegg . .       | 640              | —                       | —   | —        | —   | —                      | 5.6     | 19.      | -15.6 | 26. 28.               | -5.3                   | —         | —                         | 2.5          | SW    | 0                  | 0    | —      | 21        | 7            | 3                 | 2      | 2     | 0        | 0     | 0        | 0  |          |
| Spittal a. d. D   | 554              | 727.0                   | 1.  | 700.1    | 4.  | 712.4                  | 9.9     | 16.      | -14.9 | 29.                   | -4.7                   | —         | —                         | 4.8          | SE    | 2                  | 2    | 4.     | 12        | 8            | 11                | 4      | 4     | 0        | 0     | 1        | —  |          |
| Oberdrauburg      | 610              | —                       | —   | —        | —   | —                      | 11.0    | 16.      | -15.6 | 28.                   | -5.5                   | —         | —                         | —            | NW    | 6                  | 5    | 4.     | —         | —            | —                 | 2      | 2     | 0        | 0     | 0        | 0  |          |
| Greifenburg       | 626              | —                       | —   | —        | —   | —                      | 9.4     | 16.      | -16.2 | 28. 30.               | -5.7                   | —         | —                         | 4.1          | NW    | 3                  | 2    | 10.    | 13        | 8            | 10                | 2      | 2     | 0        | 0     | 0        | 0  |          |
| Krimml            | 1057             | —                       | —   | —        | —   | —                      | 3.8     | 16.      | -16.0 | 27.                   | -6.1                   | —         | —                         | 3.7          | —     | 13                 | 3    | 14.    | 13        | 6            | 12                | 9      | 8     | 0        | 0     | 0        | 0  |          |
| Sonnblick .       | 3098             | 528.1                   | 17. | 501.1    | 31. | 514.1                  | 2.4     | 19.      | -27.4 | 6.                    | -13.6                  | —         | —                         | 68           | 4.2   | NW                 | 61   | 21     | 4.        | 13           | 10                | 8      | 11    | 11       | 0     | 0        | 10 |          |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

von  
**F. Seeland.** 1893.

Jänner

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                    |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|--------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 10° + | Wien 9° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                    |           |                                                       |
| 1.     | 42·7                      | 48·0           | 40·6           | 43·8         | 7·4             | 59·5                 | 7·72               | 52·30     | 436·957                                               |
| 2.     | 42·7                      | 45·4           | 43·4           | 43·8         | 2·7             | 59·0                 | 6·71               | 52·00     | 436·956                                               |
| 3.     | 43·4                      | 46·0           | 40·6           | 43·3         | 5·4             | 58·7                 | 6·38               | 52·97     | 436·941                                               |
| 4.     | 44·0                      | 46·0           | 42·0           | 44·0         | 4·0             | 59·3                 | 5·74               | 51·93     | 436·931                                               |
| 5.     | 44·0                      | 47·4           | 41·3           | 44·2         | 6·1             | 59·7                 | 6·66               | 52·67     | 436·921                                               |
| 6.     | 42·7                      | 47·4           | 40·0           | 43·7         | 7·4             | 58·5                 | 6·76               | 51·77     | 436·916                                               |
| 7.     | 43·4                      | 46·0           | 42·7           | 44·0         | 3·3             | 58·3                 | 5·94               | 52·00     | 436·911                                               |
| 8.     | 44·0                      | 48·0           | 44·0           | 45·3         | 4·0             | 59·9                 | 6·95               | 53·93     | 436·906                                               |
| 9.     | 43·4                      | 46·0           | 42·0           | 43·8         | 4·0             | 59·3                 | 5·96               | 51·17     | 436·891                                               |
| 10.    | 44·7                      | 46·0           | 42·0           | 44·2         | 4·0             | 59·6                 | 6·58               | 53·03     | 436·891                                               |
| 11.    | 42·0                      | 46·7           | 40·6           | 43·1         | 6·1             | 59·3                 | 6·55               | 51·87     | 436·886                                               |
| 12.    | 42·7                      | 44·7           | 41·3           | 42·9         | 3·4             | 58·9                 | 6·41               | 51·17     | 436·876                                               |
| 13.    | 42·7                      | 47·4           | 41·3           | 43·8         | 6·1             | 59·4                 | 7·20               | 52·87     | 436·861                                               |
| 14.    | 42·0                      | 45·4           | 40·6           | 42·7         | 4·8             | 59·1                 | 6·51               | 52·57     | 436·856                                               |
| 15.    | 42·0                      | 43·4           | 40·6           | 42·0         | 2·8             | 59·4                 | 7·00               | 52·83     | 436·856                                               |
| 16.    | 42·0                      | 45·4           | 41·3           | 42·9         | 4·1             | 59·6                 | 7·08               | 52·97     | 436·851                                               |
| 17.    | 42·0                      | 46·0           | 40·6           | 42·9         | 5·4             | 59·4                 | 7·63               | 53·27     | 436·846                                               |
| 18.    | 40·6                      | 44·0           | 40·6           | 41·7         | 3·4             | 59·6                 | 7·36               | 53·27     | 436·849                                               |
| 19.    | 39·3                      | 46·0           | 40·0           | 41·8         | 6·7             | 59·2                 | 8·10               | 53·67     | 436·849                                               |
| 20.    | 40·6                      | 43·4           | 39·3           | 41·1         | 4·1             | 59·0                 | 7·83               | 53·03     | 436·849                                               |
| 21.    | 40·0                      | 45·4           | 40·0           | 41·8         | 5·4             | 59·3                 | 7·37               | 52·03     | 436·846                                               |
| 22.    | 40·0                      | 44·7           | 38·0           | 40·9         | 6·7             | 58·5                 | 9·30               | 52·87     | 436·846                                               |
| 23.    | 40·3                      | 44·7           | 41·3           | 42·1         | 4·4             | 59·5                 | 8·30               | 52·60     | 436·841                                               |
| 24.    | 40·6                      | 42·7           | 40·3           | 41·1         | 2·7             | 59·3                 | 7·26               | 52·57     | 436·826                                               |
| 25.    | 40·0                      | 44·7           | 41·3           | 42·0         | 4·7             | 59·4                 | 7·78               | 52·70     | 436·816                                               |
| 26.    | 40·6                      | 45·4           | 42·3           | 42·8         | 4·8             | 60·1                 | 7·60               | 53·10     | 436·811                                               |
| 27.    | 40·6                      | 44·4           | 42·0           | 42·3         | 3·8             | 59·9                 | 7·49               | 53·13     | 436·803                                               |
| 28.    | 40·6                      | 42·7           | 40·6           | 41·3         | 2·1             | 59·9                 | 8·14               | 52·50     | 436·796                                               |
| 29.    | 40·6                      | 42·7           | 39·3           | 40·9         | 2·4             | 60·7                 | 7·93               | 52·40     | 436·791                                               |
| 30.    | 41·3                      | 46·6           | 40·0           | 40·6         | 1·3             | 60·1                 | 6·10               | 53·13     | 436·785                                               |
| 31.    | 41·4                      | 42·7           | 40·6           | 41·5         | 2·1             | 60·5                 | 6·00               | 52·80     | 436·776                                               |
| Mittel | 41·8                      | 45·1           | 41·0           | 42·6         | 4·3             | 59·4                 | 7·14               | 52·62     | 436·862                                               |

Die mittlere magnetische Declination in **Klagenfurt** war 9° 42·6', mit dem Maximum 9° 45·3' am 8. und dem Minimum 9° 40·6' am 30.

Die mittlere Variation betrug 4·3', mit dem Maximum 7·4' am 1. und 6. und dem Minimum 1·3' am 30.

Am 2. und 3. heftiger Schneefall. In der Zeit vom 1. um 9 h p. bis 3. 9 h abends, d. i. in 48 h ist 704 m/m hoch Neuschnee gefallen; am 3. der See von Villa Hermann bis Nackonig zugefroren; am 9 der ganze See gefroren; am 29. 12 h 7 ' nachts heftiges Erdbeben mit unterirdischem Rollen von ENE gen WSW. Dauer 3 Sekunden.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        | Luftwärme Celsius ° |                |                |                | Ozon   |                 | Sonnenschein<br>% |                |                |
|--------|-------------------------|----------------|----------------|--------|---------------------|----------------|----------------|----------------|--------|-----------------|-------------------|----------------|----------------|
|        | 7 <sup>h</sup>          | 9 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung     | 7 <sup>h</sup> | 9 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung |                   | 7 <sup>h</sup> | 9 <sup>h</sup> |
| 1.     | 12.1                    | 11.1           | 11.7           | 11.6   | -12.2               | -10.9          | -6.3           | -7.8           | -8.3   | -1.5            | 6                 | 5              | 8.3            |
| 2.     | 12.3                    | 13.2           | 14.8           | 13.4   | -10.4               | -9.4           | -7.6           | -8.8           | -8.6   | -1.7            | 12                | 8              | 5              |
| 3.     | 16.8                    | 17.5           | 18.7           | 17.7   | -6.1                | -8.7           | -6.2           | -6.9           | -7.3   | -0.5            | 10                | 5              | 5              |
| 4.     | 20.5                    | 21.2           | 22.7           | 21.3   | -2.3                | -7.4           | -3.6           | -5.4           | -5.5   | +1.2            | 8                 | 4              | 4              |
| 5.     | 23.8                    | 24.8           | 25.9           | 24.8   | +1.0                | -5.8           | -1.8           | -3.9           | -3.8   | +2.8            | 7                 | 7              | 3              |
| 6.     | 26.8                    | 26.5           | 26.5           | 26.6   | +2.7                | -5.6           | -1.2           | -3.6           | -3.5   | +2.8            | 7                 | 3              | 3              |
| 7.     | 26.0                    | 26.0           | 26.5           | 26.2   | +2.3                | -3.6           | -2.2           | -4.0           | -3.3   | +2.9            | 8                 | 7              | 3              |
| 8.     | 25.7                    | 25.1           | 25.0           | 25.3   | +1.4                | -10.7          | -6.3           | -16.0          | -11.0  | +4.9            | 7                 | 3              | 3              |
| 9.     | 24.3                    | 22.6           | 20.7           | 22.3   | -1.4                | -19.0          | -12.8          | -11.3          | -14.4  | -8.4            | 8                 | 4              | 4              |
| 10.    | 16.2                    | 13.6           | 13.8           | 14.5   | -9.4                | -9.7           | -3.3           | -5.9           | -6.3   | -0.3            | 8                 | 3              | 3              |
| 11.    | 14.8                    | 16.4           | 17.8           | 16.3   | -7.6                | -4.9           | -4.7           | -11.6          | -6.9   | -0.9            | 8                 | 3              | 15.0           |
| 12.    | 18.9                    | 19.8           | 20.7           | 19.8   | -4.1                | -21.7          | -15.4          | -19.2          | -13.8  | -12.8           | 8                 | 4              | 52.3           |
| 13.    | 21.5                    | 20.5           | 20.3           | 20.8   | -3.1                | -26.8          | -17.3          | -23.3          | -22.5  | -16.5           | 10                | 3              | 50.0           |
| 14.    | 19.2                    | 17.3           | 16.2           | 17.9   | -6.0                | -26.7          | -18.2          | -20.2          | -21.6  | -15.5           | 7                 | 4              | 25.3           |
| 15.    | 15.8                    | 15.8           | 18.2           | 16.6   | -7.3                | -21.7          | -12.4          | -12.0          | -15.4  | -9.2            | 7                 | 4              |                |
| 16.    | 20.7                    | 19.9           | 18.7           | 19.9   | -4.0                | -11.6          | -10.4          | -11.8          | -11.3  | +4.9            | 11                | 7              | 7              |
| 17.    | 15.3                    | 13.5           | 14.5           | 14.4   | -9.4                | -12.5          | -9.0           | -9.0           | -10.2  | -3.7            | 12                | 3              | 28.1           |
| 18.    | 18.2                    | 21.0           | 24.2           | 21.1   | -2.7                | -12.8          | -8.2           | -8.4           | -9.8   | -3.3            | 5                 | 2              | 2              |
| 19.    | 27.0                    | 27.8           | 29.2           | 28.0   | +4.1                | -12.8          | -5.4           | -5.9           | -8.0   | -1.6            | 4                 | 4              | 15.7           |
| 20.    | 30.0                    | 29.0           | 28.1           | 29.0   | +5.2                | -7.4           | -2.6           | -7.6           | -5.9   | +0.2            | 3                 | 2              |                |
| 21.    | 23.0                    | 22.0           | 19.6           | 21.5   | -2.3                | -9.3           | -5.4           | -7.3           | -7.3   | -1.5            | 3                 | 2              | 37.8           |
| 22.    | 19.0                    | 19.0           | 19.9           | 19.3   | -4.4                | -12.2          | -2.3           | -6.3           | -6.9   | -1.5            | 8                 | 7              | 18.9           |
| 23.    | 20.8                    | 18.7           | 18.1           | 19.2   | -4.5                | -12.3          | -8.0           | -9.1           | -9.8   | -4.8            | 7                 | 3              | 3              |
| 24.    | 23.9                    | 24.7           | 24.3           | 24.3   | +0.6                | -13.2          | -10.2          | -10.9          | -13.1  | -8.2            | 5                 | 5              | 3              |
| 25.    | 23.4                    | 23.4           | 23.9           | 23.6   | -0.1                | -14.0          | -3.4           | -6.5           | -8.0   | -3.1            | 5                 | 3              | 52.7           |
| 26.    | 25.8                    | 25.4           | 25.1           | 25.4   | +1.8                | -14.6          | -6.0           | -8.1           | -9.6   | -4.6            | 4                 | 4              | 53.3           |
| 27.    | 26.2                    | 26.0           | 26.3           | 26.2   | +2.6                | -16.6          | -9.2           | -11.5          | -12.4  | -7.3            | 5                 | 4              | 65.1           |
| 28.    | 27.8                    | 28.3           | 27.9           | 28.0   | +4.5                | -12.0          | -5.2           | -5.6           | -7.6   | -2.4            | 6                 | 3              | 3              |
| 29.    | 28.4                    | 28.5           | 28.6           | 28.5   | +5.0                | -5.7           | -1.4           | -7.3           | -4.8   | +0.4            | 7                 | 7              | 3              |
| 30.    | 29.1                    | 28.6           | 29.4           | 29.2   | +5.7                | -8.3           | -1.8           | -4.4           | -4.4   | +0.6            | 6                 | 3              | 12.8           |
| 31.    | 31.9                    | 32.1           | 31.1           | 31.7   | +8.3                | -13.5          | -3.4           | -5.9           | -7.6   | -2.9            | 6                 | 3              | 49.0           |
| Mittel | 22.10                   | 21.90          | 22.21          | 22.07  | -1.72               | -12.46         | -6.79          | -9.19          | -9.48  | -3.59           | 7.0               | 3.8            | 18.85          |
|        | 5.4                     |                |                |        |                     |                |                |                |        |                 |                   |                |                |

im Jänner 1893.

Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 1.7                      | 2.4            | 2.2            | 2.1    | 86                                    | 87             | 89             | 87     | 10                           | 10             | 10*            | 10     | E <sup>1</sup>             | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 1.9                      | 2.2            | 2.0            | 2.0    | 87                                    | 89             | 88             | 88     | 10*                          | 10*            | 10*            | 10     | SW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 9.3*              | 164        |
| 2.0                      | 2.7            | 2.3            | 2.3    | 85                                    | 95             | 86             | 89     | 10*                          | 10*            | 10*            | 10     | NE <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 27.5*             | 300        |
| 2.2                      | 2.9            | 2.2            | 2.4    | 86                                    | 77             | 68             | 77     | 10                           | 10             | 10             | 10     | SW <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | 18.0*             | 240        |
| 2.6                      | 3.8            | 3.1            | 3.2    | 87                                    | 96             | 93             | 92     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | E <sup>3</sup>  | 0.6               | 9          |
| 2.8                      | 4.1            | 3.4            | 3.4    | 96                                    | 98             | 94             | 96     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | SE <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 3.0                      | 3.7            | 3.0            | 3.2    | 87                                    | 96             | 89             | 91     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 1.7                      | 2.6            | 1.1            | 1.8    | 86                                    | 93             | 85             | 88     | 0                            | 0              | 0              | 3      | NE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 0.7                      | 1.4            | 1.6            | 1.2    | 76                                    | 88             | 85             | 83     | 10                           | 0              | 10             | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.9                      | 3.5            | 2.7            | 2.7    | 87                                    | 98             | 93             | 93     | 10                           | 10             | 10             | 10     | SE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | 1.8*              |            |
| 2.8                      | 3.0            | 1.4            | 2.4    | 88                                    | 91             | 78             | 86     | 10*                          | 3              | 0              | 4      | SE <sup>2</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 0.5*              | 30         |
| 0.5                      | 1.0            | 0.6            | 0.7    | 63                                    | 72             | 57             | 64     | 0                            | 0              | 0              | 0      | W <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 0.4                      | 0.9            | 0.4            | 0.6    | 68                                    | 78             | 58             | 68     | 0                            | 0              | 0              | 0      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 0.3                      | 0.8            | 0.6            | 0.6    | 57                                    | 77             | 61             | 65     | 4                            | 2              | 0              | 2      | NE <sup>2</sup>            | NE <sup>1</sup> | W <sup>1</sup>  | —                 |            |
| 0.4                      | 1.6            | 1.5            | 1.2    | 56                                    | 92             | 85             | 78     | 5                            | 10             | 10*            | 8      | NW <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | —*                |            |
| 0.5                      | 1.9            | 1.5            | 1.6    | 82                                    | 93             | 85             | 87     | 10*                          | 10             | 10*            | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 5.0*              | 42         |
| 1.5                      | 2.1            | 1.8            | 1.8    | 88                                    | 94             | 81             | 81     | 10*                          | 10*            | 10*            | 10     | W <sup>1</sup>             | SE <sup>2</sup> | NW <sup>1</sup> | 6.4*              | 46         |
| 1.2                      | 2.3            | 1.9            | 1.8    | 76                                    | 94             | 82             | 84     | 0                            | 10             | 10             | 7      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 6.6               |            |
| 1.3                      | 2.7            | 2.6            | 2.2    | 80                                    | 90             | 90             | 87     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 0.2*              | 2          |
| 2.3                      | 3.6            | 2.0            | 2.6    | 92                                    | 96             | 81             | 90     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 1.9                      | 2.7            | 2.2            | 2.3    | 84                                    | 90             | 87             | 87     | 10                           | 2              | 10             | 7      | SW <sup>1</sup>            | SW <sup>2</sup> | SW <sup>1</sup> | —                 |            |
| 1.5                      | 3.6            | 2.4            | 2.5    | 89                                    | 94             | 87             | 90     | 0                            | 0              | 10             | 3      | NW <sup>1</sup>            | SW <sup>2</sup> | SW <sup>2</sup> | —                 |            |
| 1.4                      | 2.2            | 2.0            | 1.9    | 81                                    | 88             | 88             | 86     | 10                           | 10             | 10*            | 10     | NE <sup>2</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | 0.7*              | 6          |
| 0.9                      | 1.9            | 1.7            | 1.5    | 83                                    | 93             | 86             | 87     | 0                            | 0              | 0              | 0      | W <sup>1</sup>             | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 1.1                      | 3.2            | 2.5            | 2.3    | 75                                    | 91             | 92             | 86     | 2                            | 8              | 0              | 3      | SE <sup>1</sup>            | SW <sup>2</sup> | SW <sup>1</sup> | —                 |            |
| 1.0                      | 2.6            | 1.9            | 1.8    | 69                                    | 90             | 77             | 79     | 10                           | 2              | 0              | 4      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 0.9                      | 2.1            | 1.4            | 1.5    | 70                                    | 94             | 78             | 81     | 10                           | 0              | 0              | 3      | W <sup>1</sup>             | E <sup>1</sup>  | NE <sup>1</sup> | —                 |            |
| 1.5                      | 2.9            | 2.7            | 2.4    | 85                                    | 96             | 90             | 90     | 10                           | 10             | 10             | 10     | SE <sup>1</sup>            | SE <sup>4</sup> | SE <sup>1</sup> | —                 |            |
| 2.7                      | 4.1            | 2.2            | 3.0    | 90                                    | 100            | 87             | 92     | 10                           | 10*            | 0              | 7      | W <sup>0</sup>             | SW <sup>1</sup> | E <sup>1</sup>  | Spur*             |            |
| 2.9                      | 4.2            | 2.0            | 3.1    | 88                                    | 96             | 91             | 91     | 10                           | 5              | 8              | 8      | NW <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 1.4                      | 0.2            | 2.5            | 2.4    | 92                                    | 91             | 87             | 90     | 10                           | 0              | 0              | 3      | SW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.58                     | 2.64           | 2.01           | 2.08   | 81.2                                  | 90.9           | 83.1           | 85.1   | 7.5                          | 6.2            | 6.7            | 6.8    | 1.4                        | 1.1             | 1.0             | 76.6              | 839        |

Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.530 Meter |
| Seelandbrunnen                  | 436.862 "     |
| Friedhofbrunnen                 | 436.631 "     |
| Maschinengewerbliche Fachschule | 436.810 "     |
| Wörtherseespiegel.              | 441.194       |
| Höchster Pegelstand am 31.      | 441.218 "     |
| Tiefster                        | 441.168 "     |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 425.740 m.  
 Maximum am 14. 425.820 m. Minimum am 30. 31. 425.690 m.



## Vorläufige Uebersicht der Witterung in Kärnten im Jänner 1893 vom Central-Observatorium in Wien.

| Stationen         | Seehöhe<br>Meter | Luftdruck in Millimeter |     |               |    |        | Luftwärme in Celsius ° |     |               |     |        | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>% | Nebulung | Herr-<br>schender<br>Wind | Niederschlag |                    |     | Tage   |                   | darunter mit      |        |       |          |       |          |    |
|-------------------|------------------|-------------------------|-----|---------------|----|--------|------------------------|-----|---------------|-----|--------|-----------------------|------------------------|----------|---------------------------|--------------|--------------------|-----|--------|-------------------|-------------------|--------|-------|----------|-------|----------|----|
|                   |                  | Grösster                | am  | Klein-<br>st. | am | Mittel | Grösste                | am  | Klein-<br>ste | am  | Mittel |                       |                        |          |                           | Summe        | Grösster<br>in 24h | am  | heiter | h. heiter<br>trüb | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |          |    |
|                   |                  |                         |     |               |    |        |                        |     |               |     |        |                       |                        |          |                           |              |                    |     |        |                   |                   |        |       |          |       | Grösster | am |
| Klagenfurt I      | 448              | 732.1                   | 31. | 711.1         | 1. | 722.1  | -1.2                   | 6.  | -26.8         | 13. | -9.4   | 2.1                   | 85                     | 6.8      | NE                        | 77           | 27                 | 2.  | 8      | 2                 | 21                | 11     | 11    | 0        | 0     | 0        | 0  |
| dto. II           | 504              | —                       | —   | —             | —  | —      | 0.8                    | 30. | -24.2         | 13. | -8.3   | —                     | —                      | 7.9      | SW                        | —            | —                  | —   | 4      | 6                 | 21                | 11     | 11    | 0        | 0     | 0        | 0  |
| Kappel a. d. Drau | 441              | —                       | —   | —             | —  | —      | 1.2                    | 30. | -30.6         | 13. | -10.2  | —                     | —                      | 7.6      | S                         | 55           | 25                 | 2.  | 4      | 6                 | 21                | 7      | 7     | 0        | 0     | 0        | 0  |
| Saager            | 486              | —                       | —   | —             | —  | —      | 0.1                    | 30. | -26.0         | 13. | -8.6   | —                     | —                      | —        | —                         | 50           | 22                 | 2.  | —      | —                 | —                 | 10     | 10    | 0        | 0     | 0        | 0  |
| St. Michael       | 495              | —                       | —   | —             | —  | —      | 5.6                    | 25. | -25.0         | 14. | -9.5   | —                     | —                      | 6.3      | E                         | —            | —                  | —   | 10     | 7                 | 14                | 6      | 6     | 0        | 0     | 0        | 7  |
| Unterdrauburg     | 343              | —                       | —   | —             | —  | —      | 2.0                    | 31. | -28.2         | 13. | -8.7   | —                     | —                      | 6.0      | E                         | 43           | 16                 | 2.  | 12     | 1                 | 18                | 7      | 7     | 0        | 0     | 0        | 0  |
| Liescha           | 552              | 722.5                   | 31. | 701.1         | 1. | 712.4  | 2.3                    | 31. | -23.0         | 14. | -7.6   | —                     | —                      | 6.5      | W                         | 60           | 23                 | 2.  | 7      | 7                 | 17                | 8      | 8     | 0        | 0     | 0        | 0  |
| Bad Vellach       | 843              | —                       | —   | —             | —  | —      | 2.4                    | 25. | -23.8         | 13. | -8.9   | —                     | —                      | —        | —                         | —            | —                  | —   | —      | —                 | —                 | —      | —     | —        | —     | —        | —  |
| Obir              | 2047             | 599.7                   | 31. | 576.1         | 1. | 587.3  | -1.0                   | 31. | -25.8         | 12. | -12.7  | 1.7                   | 94                     | 6.4      | NW                        | 119          | 19                 | 2.  | 8      | 6                 | 17                | 15     | 15    | 0        | 0     | 11       |    |
| St. Andrä         | 452              | 736.3                   | 31. | 714.5         | 1. | 725.8  | 3.1                    | 31. | -29.1         | 13. | -9.4   | 2.4                   | 96                     | 7.2      | NE                        | 24           | —                  | —   | 5      | 5                 | 21                | 4      | 4     | 0        | 0     | 0        | 1  |
| St. Paul          | 394              | 736.5                   | 31. | 713.1         | 1. | 724.9  | 2.0                    | 30. | -35.2         | 13. | -9.4   | —                     | —                      | —        | —                         | —            | —                  | —   | —      | —                 | —                 | —      | —     | —        | —     | —        | —  |
| Stelzing          | 1410             | —                       | —   | —             | —  | —      | 1.0                    | 27. | -21.0         | 13. | -9.3   | —                     | —                      | 6.3      | NE                        | —            | —                  | —   | 8      | 8                 | 15                | —      | —     | —        | —     | —        | —  |
| Knappenberg       | 1045             | —                       | —   | —             | —  | —      | 3.3                    | 31. | -18.7         | 13. | -8.5   | —                     | —                      | 7.9      | SW                        | 34           | 12                 | 2.  | 15     | 5                 | 11                | 9      | 9     | 0        | 0     | 0        | 0  |
| Hüttenberg        | 783              | 702.8                   | 31. | 679.8         | 1. | 690.8  | 5.2                    | 25. | -20.0         | 13. | -6.0   | —                     | —                      | 5.6      | W                         | 18           | 12                 | 3.  | 8      | 10                | 13                | 2      | 2     | 0        | 0     | 0        | 0  |
| Guttaring         | 642              | —                       | —   | —             | —  | —      | 5.9                    | 25. | -22.0         | 14. | -8.5   | —                     | —                      | 3.8      | N                         | 42           | 19                 | 2.  | 13     | 11                | 7                 | 6      | 6     | 0        | 0     | 0        | 0  |
| Eberstein         | 640              | —                       | —   | —             | —  | —      | —                      | —   | —             | —   | —      | —                     | —                      | 5.8      | NE                        | 33           | 26                 | 2.  | 9      | 8                 | 14                | 3      | 3     | 0        | 0     | 0        | 0  |
| St. Peter i. K.   | 1217             | —                       | —   | —             | —  | —      | 2.2                    | 10. | -16.8         | 12. | -8.2   | —                     | —                      | 6.2      | N                         | 47           | 11                 | 3.  | 6      | 6                 | 19                | 10     | 10    | 0        | 0     | 0        | 3  |
| Raibl             | 971              | —                       | —   | —             | —  | —      | 7.6                    | 31. | -18.4         | 13. | -7.0   | —                     | —                      | 5.3      | N                         | 81           | 40                 | 2.  | 12     | 2                 | 17                | 10     | 10    | 0        | 0     | 0        | 0  |
| Spittal a D.      | 554              | 722.0                   | 31. | 699.8         | 1. | 711.4  | 7.8                    | 25. | -23.8         | 13. | -7.3   | —                     | —                      | 6.6      | SE                        | 17           | 8                  | 2.  | 7      | 5                 | 19                | 7      | 7     | 0        | 0     | 0        | 2  |
| Pörschach         | 464              | —                       | —   | —             | —  | —      | -0.4                   | 22. | -25.3         | 14. | -8.9   | —                     | —                      | —        | —                         | —            | —                  | —   | —      | —                 | —                 | —      | —     | —        | —     | —        | —  |
| Radweg            | 692              | —                       | —   | —             | —  | —      | 1.4                    | 25. | -24.6         | 13. | -7.9   | —                     | —                      | 5.9      | N                         | 42           | 15                 | 2.  | 10     | 5                 | 16                | 8      | 8     | 0        | 0     | 0        | 3  |
| Sirnitz           | 800              | —                       | —   | —             | —  | —      | 5.2                    | 25. | -19.4         | 13. | -6.6   | —                     | —                      | 6.2      | E                         | 36           | 11                 | 3.  | 8      | 5                 | 18                | 10     | 10    | 0        | 0     | 0        | 0  |
| Reichenau         | 1059             | —                       | —   | —             | —  | —      | 6.6                    | 26. | -24.2         | 13. | -8.8   | —                     | —                      | 3.3      | N                         | 5            | 2                  | 2.  | —      | —                 | —                 | 7      | 7     | 0        | 0     | 0        | 0  |
| Bad Villach       | 488              | —                       | —   | —             | —  | —      | 0.2                    | 30. | -25.6         | 13. | -9.2   | —                     | —                      | —        | —                         | —            | —                  | —   | —      | —                 | —                 | —      | —     | —        | —     | —        | —  |
| Waidegg           | 640              | —                       | —   | —             | —  | —      | 6.4                    | 25. | -22.2         | 13. | -8.0   | —                     | —                      | 5.2      | S                         | —            | —                  | —   | 11     | 7                 | 13                | 11     | 11    | 0        | 0     | 0        | 0  |
| Cornat            | 1069             | —                       | —   | —             | —  | —      | 9.1                    | 25. | -21.2         | 13. | -8.1   | —                     | —                      | 5.2      | N                         | 47           | 30                 | 3.  | 8      | 12                | 11                | 7      | 7     | 0        | 0     | 0        | 2  |
| Radenthein        | 738              | —                       | —   | —             | —  | —      | 5.9                    | 25. | -22.2         | 13. | -7.8   | —                     | —                      | 6.1      | —                         | 32           | 11                 | 2.  | 10     | 3                 | 18                | 10     | 10    | 0        | 0     | 0        | 2  |
| Oberdrauburg      | 610              | —                       | —   | —             | —  | —      | 6.0                    | 25. | -25.0         | 13. | -8.2   | —                     | —                      | 4.7      | NW                        | 36           | 13                 | 1.  | —      | —                 | —                 | 7      | 7     | 0        | 0     | 0        | 0  |
| Greifenburg       | 626              | —                       | —   | —             | —  | —      | 8.4                    | 25. | -21.0         | 14. | -7.7   | —                     | —                      | 5.3      | SW                        | 24           | 12                 | 1.  | 10     | 6                 | 15                | 6      | 6     | 0        | 0     | 0        | 0  |
| Krimml            | 1057             | —                       | —   | —             | —  | —      | 3.6                    | 31. | -25.0         | 13. | -9.4   | —                     | —                      | 5.8      | —                         | 57           | 13                 | 24. | 10     | 4                 | 17                | 15     | 15    | 0        | 0     | 0        | 0  |
| Sonnblick         | 3098             | 524.5                   | 31. | 498.4         | 1. | 511.2  | -5.2                   | 9.  | -32.2         | 12. | -17.5  | —                     | 84                     | 5.8      | NE                        | 110          | 29                 | 21. | 10     | 2                 | 19                | 22     | 22    | 0        | 0     | 14       |    |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

von  
**F. Seeland.** 1893.

Februar

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                    |           | Stand des Grundwassers im Seelandbrunnen |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|--------------------|-----------|------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 10° + | Wien 8° + |                                          |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                    |           |                                          |
| 1.     | 40·0                      | 42·7           | 40·6           | 41·1         | 2·7             | 59·2                 | 5·89               | 51·80     | 436·766                                  |
| 2.     | 40·0                      | 44·7           | 40·6           | 41·8         | 4·7             | 60·1                 | 6·98               | 52·90     | 436·766                                  |
| 3.     | 39·3                      | 44·7           | 41·3           | 41·8         | 5·4             | 59·9                 | 6·15               | 51·20     | 436·768                                  |
| 4.     | 40·0                      | 47·4           | 43·4           | 43·6         | 7·4             | 60·1                 | 7·93               | 52·40     | 436·768                                  |
| 5.     | 42·0                      | 42·0           | 52·1*          | 45·4         | 10·1            | 56·5                 | 6·77               | 51·30     | 436·756                                  |
| 6.     | 46·0                      | 50·5           | 47·4*          | 48·0         | 4·5             | 56·6                 | 5·73               | 51·30     | 436·756                                  |
| 7.     | 46·7                      | 48·1           | 40·6           | 45·1         | 7·5             | 57·0                 | 2·85               | 48·60     | 436·746                                  |
| 8.     | 40·6                      | 47·0           | 41·3           | 43·0         | 6·4             | 58·0                 | 5·37               | 50·60     | 436·736                                  |
| 9.     | 40·6                      | 46·7           | 40·0           | 42·4         | 6·7             | 58·3                 | 3·47               | 51·00     | 436·736                                  |
| 10.    | 40·6                      | 46·7           | 40·6           | 45·0         | 6·1             | 58·6                 | 4·71               | 51·80     | 436·738                                  |
| 11.    | 40·0                      | 46·7           | 40·6           | 42·4         | 6·7             | 58·8                 | 4·96               | 52·50     | 436·741                                  |
| 12.    | 40·0                      | 46·0           | 40·0           | 42·0         | 6·0             | 59·0                 | 4·27               | 51·10     | 436·738                                  |
| 13.    | 39·3                      | 47·4           | 40·6           | 42·4         | 8·1             | 59·8                 | 5·02               | 52·50     | 436·746                                  |
| 14.    | 40·6                      | 46·0           | 40·0           | 42·2         | 6·0             | 59·9                 | 4·15               | 54·50     | 436·736                                  |
| 15.    | 39·3                      | 45·4           | 39·3           | 41·3         | 6·1             | 58·8                 | 2·75               | 49·90     | 436·706                                  |
| 16.    | 38·7                      | 47·4           | 40·0           | 42·0         | 8·7             | 58·8                 | 4·56               | 50·90     | 436·696                                  |
| 17.    | 49·3                      | 48·1           | 41·3           | 46·2         | 8·8             | 58·6                 | 2·51               | 50·40     | 436·656                                  |
| 18.    | 40·0                      | 44·7           | 40·0           | 41·6         | 4·7             | 58·5                 | 2·98               | 50·20     | 436·654                                  |
| 19.    | 40·6                      | 46·0           | 39·3           | 42·0         | 6·7             | 58·8                 | 3·73               | 51·40     | 436·651                                  |
| 20.    | 40·0                      | 47·4           | 40·0           | 42·5         | 7·4             | 58·0                 | 3·00               | 51·20     | 436·654                                  |
| 21.    | 39·3                      | 47·3           | 39·3           | 42·0         | 8·0             | 59·1                 | 2·72               | 51·60     | 436·676                                  |
| 22.    | 38·7                      | 46·0           | 40·0           | 41·6         | 7·3             | 59·5                 | 3·47               | 51·90     | 436·651                                  |
| 23.    | 40·0                      | 44·7           | 40·6           | 41·8         | 4·7             | 59·9                 | 2·65               | 52·10     | 436·661                                  |
| 24.    | 40·0                      | 44·7           | 40·6           | 41·8         | 4·7             | 59·9                 | 2·29               | 51·80     | 436·656                                  |
| 25.    | 39·3                      | 46·0           | 40·0           | 41·8         | 6·7             | 59·6                 | 4·00               | 51·60     | 436·636                                  |
| 26.    | 39·3                      | 46·7           | 40·0           | 42·0         | 7·4             | 60·3                 | 4·61               | 52·30     | 436·636                                  |
| 27.    | 39·3                      | 44·7           | 40·0           | 41·3         | 5·4             | 59·8                 | 3·42               | 51·80     | 436·653                                  |
| 28.    | 38·7                      | 44·7           | 39·3           | 40·9         | 6·0             | 60·1                 | 4·65               | 51·40     | 436·676                                  |
| Mittel | 40·6                      | 46·1           | 41·0           | 42·7         | 6·4             | 59·0                 | 4·35               | 51·50     | 436·705                                  |

Die mittlere magnetische Declination in Klagenfurt war 9° 42'7", mit dem Maximum 9° 48'0" am 6. und dem Minimum 9° 40'9" am 28.

Die mittlere Variation betrug 6'7", mit dem Maximum 10'1" am 5. und dem Minimum 2'7" am 1.

Am 5. und 6. gab es in Klagenfurt Störungen.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 28.1                    | 24.3           | 22.1           | 24.8   | + 1.4           | -13.2               | - 2.8          | - 5.0          | - 7.0  | - 2.5           | 7              | 2              |                   |
| 2.     | 23.2                    | 23.7           | 22.4           | 23.1   | - 0.2           | - 5.7               | 2.1            | - 2.1          | - 1.9  | + 2.5           | 7              | 3              | 62.3              |
| 3.     | 18.7                    | 20.0           | 24.0           | 20.9   | - 2.4           | - 1.6               | 3.8            | - 0.1          | 0.7    | + 5.0           | 7              | 4              | 10.6              |
| 4.     | 27.2                    | 29.5           | 32.5           | 29.7   | + 6.5           | - 7.6               | - 2.2          | - 9.1          | - 6.3  | - 2.1           | 8              | 11             | 96.0              |
| 5.     | 35.0                    | 36.2           | 35.8           | 36.0   | +12.8           | -20.9               | -11.3          | -16.1          | -15.8  | -11.7           | 7              | 8              | 85.6              |
| 6.     | 35.6                    | 33.9           | 33.3           | 34.3   | +11.2           | -20.2               | - 9.5          | -14.4          | -14.7  | -10.7           | 7              | 4              | 39.2              |
| 7.     | 33.7                    | 31.9           | 29.8           | 31.8   | + 8.7           | -21.4               | - 7.4          | -10.5          | -13.1  | - 9.3           | 9              | 7              | 38.6              |
| 8.     | 28.0                    | 25.3           | 20.9           | 24.7   | + 1.7           | -11.8               | - 2.8          | - 7.1          | - 7.2  | - 3.5           | 4              | 6              | 50.0              |
| 9.     | 19.0                    | 20.2           | 21.3           | 20.2   | - 2.7           | - 6.1               | 0.2            | - 7.8          | - 4.6  | - 1.2           | 7              | 4              |                   |
| 10.    | 21.3                    | 15.5           | 14.0           | 16.9   | - 6.0           | -16.4               | - 4.4          | - 3.2          | - 8.0  | - 4.6           | 6              | 4              | 18.0              |
| 11.    | 16.0                    | 18.4           | 20.1           | 18.2   | - 4.6           | - 4.0               | 5.2            | 0.4            | 0.5    | + 3.9           | 5              | 5              | 89.0              |
| 12.    | 19.8                    | 16.7           | 17.0           | 17.8   | - 5.0           | - 6.5               | 4.7            | 1.5            | - 0.1  | + 3.3           | 7              | 7              | 52.7              |
| 13.    | 20.0                    | 21.6           | 23.0           | 21.5   | - 1.2           | - 1.4               | 4.4            | - 2.4          | 0.2    | + 3.6           | 9              | 4              | 83.5              |
| 14.    | 24.9                    | 24.6           | 24.4           | 24.6   | + 2.0           | - 9.5               | 0.6            | - 3.8          | - 4.2  | - 0.8           | 7              | 4              | 63.0              |
| 15.    | 27.1                    | 27.8           | 27.6           | 27.5   | + 4.9           | - 9.0               | 1.8            | - 3.0          | - 3.4  | 0.0             | 8              | 7              | 86.8              |
| 16.    | 27.7                    | 26.5           | 26.4           | 26.9   | + 4.4           | - 9.6               | 1.6            | - 1.4          | - 3.1  | + 0.2           | 7              | 4              | 80.6              |
| 17.    | 25.3                    | 26.6           | 26.3           | 26.1   | + 3.7           | - 9.5               | 1.8            | - 3.3          | - 3.7  | - 0.6           | 8              | 4              | 82.6              |
| 18.    | 28.6                    | 28.7           | 28.3           | 28.5   | + 6.1           | - 3.7               | 5.8            | 0.5            | - 0.9  | + 2.1           | 7              | 4              | 27.6              |
| 19.    | 28.2                    | 26.0           | 23.6           | 25.9   | + 3.6           | - 1.4               | 1.6            | - 0.9          | - 0.2  | + 2.7           | 10             | 11             |                   |
| 20.    | 20.5                    | 18.9           | 17.9           | 19.1   | - 3.1           | - 1.2               | 3.8            | 0.4            | 1.0    | + 3.7           | 7              | 2              |                   |
| 21.    | 16.4                    | 11.5           | 07.9           | 11.9   | -10.2           | - 2.9               | 4.6            | 3.6            | 1.8    | + 4.4           | 4              | 2              | 26.3              |
| 22.    | 01.7                    | 01.3           | 03.7           | 02.2   | -19.9           | 0.5                 | 5.4            | 1.1            | 2.3    | + 4.7           | 10             | 2              | 29.2              |
| 23.    | 05.1                    | 06.6           | 10.4           | 07.4   | -14.6           | - 0.5               | 2.0            | - 1.6          | 0.0    | + 2.1           | 7              | 4              | 38.5              |
| 24.    | 12.6                    | 12.3           | 11.9           | 12.3   | - 9.6           | - 6.3               | 3.6            | 2.7            | 0.0    | + 1.9           | 3              | 5              | 43.3              |
| 25.    | 10.2                    | 08.7           | 07.9           | 08.9   | -13.0           | 0.4                 | 3.0            | 1.5            | 1.6    | + 3.2           | 10             | 4              |                   |
| 26.    | 13.7                    | 16.6           | 17.3           | 15.9   | - 5.9           | - 0.4               | 2.7            | 0.0            | 0.8    | + 2.1           | 9              | 7              |                   |
| 27.    | 17.7                    | 19.2           | 20.3           | 19.1   | - 2.6           | 0.6                 | 10.2           | 3.2            | 4.7    | + 5.8           | 5              | 4              | 57.1              |
| 28.    | 20.0                    | 20.0           | 20.9           | 20.3   | - 2.4           | - 1.9               | 9.6            | 2.4            | 1.1    | + 1.9           | 5              | 4              | 27.3              |
| Mittel | 21.65                   | 21.16          | 21.11          | 21.31  | -1.32           | - 6.79              | 1.07           | -2.60          | -2.77  | +0.30           | 7.0            | 4.8            | 42.42             |

5.9

Am 11. war das Wörthersee-Eis 38.5  $\frac{1}{m}$  dick; am 23. der erste Amselgesang.

# im Februar 1893. Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 1.3                      | 3.4            | 2.8            | 2.5    | 80                                    | 92             | 90             | 87     | 10                           | 10             | 8              | 9      | SE <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 2.7                      | 4.7            | 3.0            | 3.5    | 93                                    | 87             | 77             | 86     | 0                            | 2              | 10             | 4      | NW <sup>1</sup>            | SW <sup>1</sup> | NW <sup>1</sup> | 1.8*              | 18         |
| 3.9                      | 4.6            | 3.7            | 4.1    | 96                                    | 77             | 81             | 85     | 7                            | 8              | 10             | 8      | NW <sup>1</sup>            | NW <sup>2</sup> | SW <sup>1</sup> | —                 |            |
| 2.1                      | 3.4            | 1.7            | 2.4    | 83                                    | 87             | 75             | 82     | 3                            | 0              | 0              | 1      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>3</sup> | —                 |            |
| 0.6                      | 1.5            | 1.3            | 1.1    | 72                                    | 82             | 100            | 85     | 0                            | 0              | 0              | 0      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 0.8                      | 1.7            | 1.2            | 1.2    | 86                                    | 77             | 83             | 82     | 10                           | 2              | 0              | 4      | SE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 0.6                      | 1.5            | 1.7            | 1.3    | 71                                    | 57             | 83             | 70     | 0                            | 8              | 0              | 3      | SE <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.3                      | 3.4            | 2.5            | 2.4    | 74                                    | 92             | 97             | 88     | 10                           | 4              | 10             | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 2.8                      | 4.7            | 2.3            | 3.3    | 98                                    | 100            | 92             | 97     | 10*                          | 10             | 0              | 7      | E <sup>1</sup>             | SW <sup>1</sup> | NE <sup>1</sup> | 0.4*              | 5          |
| 1.0                      | 2.8            | 2.3            | 2.3    | 85                                    | 86             | 89             | 87     | 10                           | 1              | 0              | 4      | NE <sup>1</sup>            | NE <sup>1</sup> | SW <sup>1</sup> | 0.3               | 3          |
| 3.1                      | 4.4            | 3.6            | 3.7    | 91                                    | 66             | 76             | 78     | 10                           | 2              | 10             | 7      | SW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 2.0                      | 3.8            | 4.5            | 3.4    | 65                                    | 59             | 89             | 71     | 10                           | 7              | 10*            | 9      | NW <sup>1</sup>            | SW <sup>1</sup> | SE <sup>1</sup> | 0.8*              |            |
| 3.9                      | 3.1            | 2.9            | 3.3    | 94                                    | 50             | 75             | 73     | 3                            | 3              | 0              | 2      | W <sup>1</sup>             | SW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.7                      | 3.8            | 4.3            | 3.3    | 77                                    | 78             | 95             | 83     | 0                            | 2              | 0              | 1      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 2.0                      | 4.3            | 3.3            | 3.2    | 88                                    | 82             | 89             | 86     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.8                      | 4.3            | 3.2            | 3.1    | 81                                    | 84             | 78             | 81     | 0                            | 0              | 0              | 0      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.9                      | 4.3            | 3.1            | 3.1    | 87                                    | 82             | 87             | 85     | 5                            | 0              | 0              | 2      | W <sup>1</sup>             | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 2.9                      | 4.4            | 4.3            | 3.9    | 87                                    | 64             | 90             | 80     | 7                            | 0              | 10             | 6      | NE <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | Spur*             |            |
| 3.9                      | 4.5            | 4.0            | 4.1    | 94                                    | 87             | 92             | 91     | 10                           | 10             | 5              | 8      | W <sup>1</sup>             | SE <sup>1</sup> | SE <sup>1</sup> | 0.4               |            |
| 3.9                      | 4.6            | 4.0            | 4.2    | 92                                    | 77             | 85             | 85     | 10                           | 10             | 8              | 9      | W <sup>1</sup>             | SW <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 3.3                      | 4.5            | 4.2            | 4.0    | 89                                    | 71             | 70             | 77     | 10                           | 10             | 4              | 8      | S <sup>1</sup>             | SW <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 4.4                      | 5.3            | 4.3            | 4.7    | 92                                    | 78             | 87             | 86     | 10*                          | 7              | 6              | 8      | S <sup>1</sup>             | W <sup>1</sup>  | NO <sup>1</sup> | 7.1*              | 30         |
| 4.1                      | 4.5            | 3.9            | 4.2    | 92                                    | 85             | 96             | 91     | 10                           | 2              | 1              | 4      | NE <sup>1</sup>            | SE <sup>1</sup> | NW <sup>1</sup> | 3.2               |            |
| 2.5                      | 4.1            | 3.8            | 3.5    | 90                                    | 78             | 69             | 77     | 3                            | 5              | 10             | 6      | SW <sup>1</sup>            | SE <sup>2</sup> | SW <sup>1</sup> | —                 |            |
| 4.3                      | 4.9            | 4.6            | 4.6    | 90                                    | 87             | 91             | 89     | 10*                          | 10*            | 10*            | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 3.6*              | 36         |
| 4.2                      | 4.8            | 4.2            | 4.4    | 94                                    | 85             | 90             | 90     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 16.1              | 40         |
| 4.2                      | 6.0            | 4.8            | 5.0    | 89                                    | 65             | 83             | 79     | 8                            | 4              | 8              | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 3.9                      | 6.1            | 5.5            | 5.2    | 92                                    | 69             | 89             | 83     | 7                            | 10             | 10             | 9      | NE <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 2.68                     | 4.05           | 3.42           | 3.38   | 6.85                                  | 77.8           | 85.6           | 83.3   | 6.5                          | 4.9            | 5.0            | 5.5    | 1.0                        | 1.1             | 1.1             | 33.7              | 132        |

### Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.290 Meter |
| Seelandbrunnen                  | 436.705       |
| Friedhofbrunnen                 | 436.528       |
| Maschinengewerbliche Fachschule | 435.670       |
| Wörtherseespiegel.              | 441.200       |
| Höchster Pegelstand am 2.       | 441.218       |
| Tiefster „ „ 14. u. 22.         | 441.188       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 425.694 m.  
 Maximum am 27. 28. 425.740 m. Minimum am 12.—14. 14.—26. 425.690 m.

## Vorläufige Uebersicht der Witterung in Kärnten im Feb

| Stationen         | Seehöhe<br>Meter | Luftdruck in Millimeter |     |          |     | Luftwärme in Celsius |         |         |          |       |
|-------------------|------------------|-------------------------|-----|----------|-----|----------------------|---------|---------|----------|-------|
|                   |                  | Grösster                | am  | Kleinst. | am  | Mittel               | Grösste |         | Kleinste |       |
| Klagenfurt I      | 448              | 736.2                   |     | 701.3    | 22. | 721.3                | 10.2    | 27.     | -21.4    | 7.    |
| dto. II           | 504              | —                       | —   | —        | —   | —                    | 13.2    | 27.     | -18.8    | 7.    |
| Kappel a. d. Drau | 441              | —                       | —   | —        | —   | —                    | 8.6     | 27.     | -24.3    | 5.    |
| Saager            | 486              | —                       | —   | —        | —   | —                    | 9.6     | 27.     | -21.0    | 5.    |
| St. Michael       | 495              | —                       | —   | —        | —   | —                    | 12.0    | 28.     | -21.0    | 5.    |
| Unterdranburg     | 343              | —                       | —   | —        | —   | —                    | 10.8    | 27. 28. | -20.0    | 5.    |
| Liescha           | 552              | 725.5                   | 5.  | 691.7    | 22. | 711.6                | 10.4    | 28.     | -18.2    | 6.    |
| Bad Vellach       | 843              | —                       | —   | —        | —   | —                    | 7.2     | 28.     | -20.0    | 5.    |
| Obir              | 2047             | 597.8                   | 15. | 573.4    | 22. | 589.9                | -4.1    | 17.     | -22.2    | 4.    |
| St. Andrä         | 432              | 740.2                   | 5.  | 704.9    | 22. | 725.2                | 11.2    | 27.     | -26.3    | 5.    |
| St. Paul          | 394              | 739.9                   | 5.  | 703.6    | 22. | 724.2                | 12.8    | 28.     | -23.0    | 5.    |
| Stelzing          | 1410             | —                       | —   | —        | —   | —                    | 6.4     | 17.     | -17.8    | 5.    |
| Knappenberg       | 1045             | —                       | —   | —        | —   | —                    | 7.0     | 28.     | -20.6    | 5.    |
| Hüttenberg        | 783              | 705.4                   | 5.  | 671.0    | 20. | 690.9                | 9.7     | 28.     | -18.0    | 5.    |
| Guttaring         | 642              | —                       | —   | —        | —   | —                    | 8.0     | 28.     | -19.2    | 5.    |
| Eberstein         | 640              | —                       | —   | —        | —   | —                    | 13.7    | 27.     | -17.5    | 5.    |
| St Walburgen      | 528              | —                       | —   | —        | —   | —                    | 6.5     | 28.     | -9.4     | 5.    |
| Spittal a. D.     | 554              | 725.5                   | 5.  | 690.2    | 22. | 711.7                | 8.6     | 27.     | -18.4    | 5.    |
| Pörtschach        | 464              | —                       | —   | —        | —   | —                    | 8.4     | 28.     | -20.4    | 5.    |
| Radweg            | 692              | —                       | —   | —        | —   | —                    | 8.8     | 27. 28. | -16.0    | 6.    |
| Reichenau         | 1059             | —                       | —   | —        | —   | —                    | 8.2     | 27.     | -21.4    | 5.    |
| Bleiberg          | 927              | 692.7                   |     | 660.4    | 20. | 679.9                | 6.7     | 16.     | -20.2    | 5.    |
| St. Peter i. K.   | 1217             | —                       | —   | —        | —   | —                    | 6.1     | 20.     | -17.3    | 5.    |
| Raibl             | 981              | —                       | —   | —        | —   | —                    | 6.6     | 16.     | -14.0    | 5.    |
| Waidegg           | 640              | —                       | —   | —        | —   | —                    | 8.4     | 27.     | -15.8    | 6.    |
| Oberdrauburg      | 610              | —                       | —   | —        | —   | —                    | 8.5     | 27.     | -15.0    | 5.    |
| Greifenburg       | 626              | —                       | —   | —        | —   | —                    | 11.8    | 27.     | -17.0    | 6.    |
| Radenthein        | 738              | —                       | —   | —        | —   | —                    | 9.4     | 27.     | -17.9    | 5.    |
| Janken            | 2072             | —                       | —   | —        | —   | —                    | 8.0     | 16. 17. | -13.0    | 4.    |
| Sonnblick         | 3093             | 522.2                   | 6.  | 500.2    | 22. | 514.2                | 6.0     | 16.     | -24.2    | 4. 5. |

Februar 1893 vom Central-Observatorium in Wien.

| Mittel | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>o/o | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |                    |     | Tage   |           |      | darunter mit      |        |       |          |       |
|--------|-----------------------|--------------------------|-----------|---------------------------|--------------|--------------------|-----|--------|-----------|------|-------------------|--------|-------|----------|-------|
|        |                       |                          |           |                           | Summe        | Grösster<br>in 24h | am  | heiter | h. heiter | trüb | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |
| — 2.7  | 3.4                   | 83                       | 5.5       | NE                        | 34           | 16                 | 25. | 8      | 6         | 14   | 7                 | 6      | 0     | 0        | 0     |
| — 1.5  | —                     | —                        | 6.2       | NW                        | —            | —                  | —   | 7      | 4         | 17   | 7                 | 6      | 0     | 0        | 0     |
| — 3.3  | —                     | —                        | 6.3       | S                         | 47           | 16                 | 25. | 8      | 4         | 16   | 5                 | 5      | 0     | 0        | 0     |
| — 2.0  | —                     | —                        | —         | —                         | 48           | 20                 | 25. | —      | —         | —    | 7                 | 6      | 0     | 0        | 0     |
| — 1.5  | —                     | —                        | 4.6       | SW                        | 26           | 14.                | 25. | 13     | 2         | 13   | 4                 | 4      | 0     | 0        | 0     |
| — 1.3  | —                     | —                        | 4.8       | W                         | 22           | 6                  | 28. | 12     | 6         | 10   | 7                 | 2      | 0     | 0        | 0     |
| — 1.2  | —                     | —                        | 5.3       | W                         | 40           | 15                 | 25. | 9      | 9         | 10   | 6                 | 4      | 0     | 0        | 0     |
| — 1.3  | —                     | —                        | —         | —                         | —            | —                  | —   | —      | —         | —    | —                 | —      | —     | —        | —     |
| — 6.3  | 2.6                   | 87                       | 4.9       | SW                        | 87           | 19                 | 28. | 9      | 11        | 8    | 15                | 15     | 0     | 0        | 9     |
| — 3.0  | 3.8                   | 91                       | 6.0       | NW                        | 15           | 7                  | 25. | 8      | 7         | 13   | 6                 | 3      | 0     | 0        | 1     |
| — 2.3  | —                     | —                        | —         | —                         | —            | —                  | —   | —      | —         | —    | —                 | —      | —     | —        | —     |
| — 3.0  | —                     | —                        | 5.1       | NW                        | —            | —                  | —   | 9      | 8         | 11   | —                 | —      | —     | —        | —     |
| — 1.7  | —                     | —                        | 3.4       | SW                        | 22           | 6                  | 3.  | 13     | 14        | 1    | 10                | 8      | 0     | 0        | 0     |
| — 0.6  | —                     | —                        | 3.8       | W                         | 31           | 9                  | 25. | 11     | 14        | 3    | 4                 | 4      | 0     | 0        | 0     |
| — 2.4  | —                     | —                        | 3.6       | SW                        | 20           | 8                  | 22. | 12     | 10        | 6    | 4                 | 4      | 0     | 0        | 0     |
| — 0.6  | —                     | —                        | 3.9       | S                         | 25           | 6                  | 3.  | —      | —         | —    | 3                 | 5      | 0     | 0        | 0     |
| — 1.0  | —                     | —                        | 5.2       | E                         | 18           | 10                 | 25. | 7      | 7         | 14   | 4                 | 4      | 0     | 0        | 0     |
| — 1.3  | 3.9                   | 91                       | 5.3       | SW                        | 51           | 17                 | 25. | 4      | 4         | 13   | 10                | 6      | 0     | 0        | 4     |
| — 2.3  | —                     | —                        | —         | —                         | —            | —                  | —   | —      | —         | —    | —                 | —      | —     | —        | —     |
| — 1.0  | —                     | —                        | 4.8       | W                         | 26           | 13                 | 25. | 9      | 7         | 12   | 6                 | 5      | 0     | 0        | 2     |
| — 0.2  | —                     | —                        | 3.2       | —                         | 12           | 4                  | 26. | —      | —         | —    | 6                 | 6      | 0     | 0        | 2     |
| — 0.6  | —                     | —                        | —         | NW                        | 50           | 27                 | 25. | 14     | 10        | 4    | 5                 | 5      | 0     | 0        | 0     |
| — 2.3  | —                     | —                        | 4.9       | W                         | 59           | 13                 | 10. | 9      | 8         | 11   | 10                | 9      | 0     | 0        | 3     |
| — 0.6  | —                     | —                        | 5.0       | W                         | 180          | 54                 | 21. | 9      | 9         | 10   | 12                | 10     | 0     | 0        | 2     |
| — 0.6  | —                     | —                        | 4.3       | SW                        | —            | —                  | —   | 13     | 6         | 9    | 9                 | 7      | 0     | 0        | 0     |
| — 0.8  | —                     | —                        | 4.7       | NW                        | 80           | 31                 | 24. | —      | —         | —    | 9                 | 6      | 0     | 0        | 0     |
| — 0.8  | —                     | —                        | 5.0       | W                         | 52           | 17                 | 2.  | 10     | 5         | 13   | 8                 | 7      | 0     | 0        | 0     |
| — 1.1  | —                     | —                        | 5.0       | —                         | 28           | 12                 | 25. | 13     | 1         | 14   | 7                 | 6      | 0     | 0        | 1     |
| — 4.8  | —                     | —                        | 4.5       | N                         | —            | —                  | —   | 11     | 7         | 10   | 8                 | 8      | 0     | 0        | 1     |
| — 13.4 | —                     | 91                       | 7.0       | W                         | 206          | 31                 | 10. | 4      | 6         | 18   | 23                | 23     | 0     | 0        | 15    |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

März

von  
**F. Seeland.**

1893.

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                    |             | Stand des Grundwassers im Seelandbrunnen<br>m Seelhöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|--------------------|-------------|--------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 10° + | Wien*) 8° + |                                                        |
|        | 9° + Min.                 |                |                |              |                 | Minuten              |                    |             |                                                        |
| 1.     | 38:3                      | 45:7           | 40:0           | 41:3         | 7:4             | 59:5                 | 3:16               | 49:37       | 436:694                                                |
| 2.     | 41:3                      | 47:4           | 40:0           | 42:9         | 7:4             | 59:5                 | 4:42               | 57:20       | 436:694                                                |
| 3.     | 39:3                      | 48:0           | 40:0           | 42:3         | 8:7             | 59:2                 | 4:06               | 50:57       | 436:726                                                |
| 4.     | 40:0                      | 50:7           | 40:6           | 43:8         | 10:7            | 59:4                 | 4:67               | 53:17       | 436:736                                                |
| 5.     | 41:3                      | 48:7           | 40:0           | 43:3         | 8:7             | 59:7                 | 3:42               | 53:13       | 436:748                                                |
| 6.     | 42:0                      | 44:0           | 40:0           | 42:0         | 4:0             | 59:2                 | 4:03               | 51:27       | 436:770                                                |
| 7.     | 40:0                      | 44:0           | 40:6           | 41:5         | 4:0             | 59:0                 | 3:84               | 51:47       | 436:776                                                |
| 8.     | 37:3                      | 45:4           | 39:3           | 40:7         | 8:1             | 58:3                 | 4:05               | 51:17       | 436:809                                                |
| 9.     | 39:3                      | 45:4           | 37:3           | 40:7         | 8:1             | 58:9                 | 3:22               | 52:00       | 436:826                                                |
| 10.    | 39:3                      | 43:4           | 39:3           | 40:7         | 4:1             | 59:3                 | 4:29               | 52:03       | 436:831                                                |
| 11.    | 39:3                      | 46:7           | 38:4           | 41:6         | 5:3             | 59:4                 | 4:14               | 51:83       | 436:831                                                |
| 12.    | 40:0                      | 46:7           | 40:0           | 42:2         | 6:7             | 58:7                 | 1:84               | 50:43       | 436:876                                                |
| 13.    | 40:6                      | 46:7           | 40:0           | 42:4         | 6:7             | 59:7                 | 3:43               | 51:37       | 436:896                                                |
| 14.    | 39:3                      | 45:4           | 39:3           | 41:3         | 6:1             | 59:3                 | 1:95               | 52:40       | 436:916                                                |
| 15.    | 40:0                      | 46:0           | 39:3           | 41:8         | 6:7             | 59:3                 | 3:62               | 50:73       | 436:936                                                |
| 16.    | 37:3                      | 46:0           | 40:0           | 41:1         | 8:7             | 59:5                 | 4:44               | 50:77       | 436:946                                                |
| 17.    | 39:3                      | 45:4           | 39:3           | 41:3         | 6:1             | 60:2                 | 4:10               | 51:97       | 436:956                                                |
| 18.    | 39:3                      | 44:7           | 39:3           | 41:1         | 5:4             | 59:7                 | 3:70               | 51:47       | 436:971                                                |
| 19.    | 38:3                      | 46:0           | 39:3           | 41:2         | 7:7             | 59:2                 | 4:26               | 52:37       | 436:980                                                |
| 20.    | 39:3                      | 45:4           | 39:3           | 41:3         | 6:1             | 58:4                 | 5:12               | 51:80       | 436:986                                                |
| 21.    | 40:0                      | 45:4           | 38:6           | 41:3         | 6:8             | 59:5                 | 3:74               | 51:70       | 436:996                                                |
| 22.    | 38:6                      | 46:0           | 40:0           | 41:5         | 8:0             | 59:2                 | 4:65               | 52:87       | 437:006                                                |
| 23.    | 39:3                      | 46:0           | 40:0           | 41:8         | 6:7             | 59:2                 | 4:38               | 52:77       | 437:006                                                |
| 24.    | 38:6                      | 44:7           | 39:3           | 40:9         | 6:1             | 58:5                 | 3:69               | 50:73       | 437:006                                                |
| 25.    | 39:3                      | 46:0           | 40:0           | 41:8         | 6:7             | 60:0                 | 5:77               | 52:03       | 437:011                                                |
| 26.    | 38:6                      | 44:7           | 31:4           | 38:2         | 13:3            | 57:3                 | 1:29               | 48:93       | 437:016                                                |
| 27.    | 38:6                      | 46:0           | 39:3           | 41:3         | 7:4             | 58:3                 | 4:07               | 51:70       | 437:021                                                |
| 28.    | 41:3                      | 43:4           | 39:3           | 41:3         | 4:1             | 57:7                 | 3:52               | 51:67       | 437:021                                                |
| 29.    | 38:6                      | 46:0           | 39:3           | 41:3         | 7:4             | 57:8                 | 2:98               | 52:33       | 437:021                                                |
| 30.    | 38:6                      | 44:7           | 39:3           | 40:9         | 6:1             | 58:6                 | 3:08               | 52:17       | 437:029                                                |
| 31.    | 38:6                      | 44:7           | 39:3           | 40:9         | 6:1             | 58:6                 | 2:69               | 51:70       | 437:031                                                |
| Mittel | 39:4                      | 45:8           | 39:3           | 41:5         | 6:9             | 58:7                 | 3:73               | 51:59       | 436:905                                                |

Die mittlere magnetische Declination in Klagenfurt war 9° 41'5", mit dem Maximum 9° 43'8" am 4. und dem Minimum 9° 38'2" am 26.

Die mittlere Variation betrug 6'9", mit dem Maximum 13'3" am 26. und dem Minimum 4'0" am 6. und 7.

Am 26. abends war eine bedeutende Störung.

\*) Im Monate December 1892 und Jänner 1893 soll es im Kopfe der Tabelle anstatt 9° 8° heissen.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 25.2                    | 27.0           | 26.8           | 26.3   | + 4.5           | 2.8                 | 7.2            | 3.3            | 4.4    | + 5.0           | 5              | 2              |                   |
| 2.     | 25.2                    | 25.2           | 25.2           | 25.2   | + 3.7           | 1.0                 | 5.2            | 2.3            | 2.8    | + 3.1           | 8              | 2              |                   |
| 3.     | 25.5                    | 22.4           | 23.7           | 23.9   | + 2.5           | 0.8                 | 3.8            | 4.2            | 2.9    | + 3.0           | 9              | 4              | 8.1               |
| 4.     | 27.9                    | 28.1           | 28.2           | 28.1   | + 6.7           | - 0.5               | 5.4            | - 1.0          | 1.3    | + 1.2           | 12             | 7              | 90.1              |
| 5.     | 27.8                    | 24.8           | 23.6           | 25.4   | + 4.1           | - 6.4               | 3.5            | - 0.4          | - 1.1  | + 1.4           | 7              | 8              | 51.8              |
| 6.     | 22.1                    | 19.3           | 20.9           | 20.8   | - 0.4           | - 4.7               | 4.5            | 2.5            | 0.8    | + 0.3           | 7              | 7              | 46.9              |
| 7.     | 24.7                    | 26.6           | 26.2           | 25.8   | + 4.6           | - 3.1               | 8.4            | 1.8            | 2.4    | + 1.8           | 9              | 3              | 69.9              |
| 8.     | 24.0                    | 19.8           | 20.0           | 21.3   | + 0.2           | - 1.5               | 13.2           | 9.1            | 6.9    | + 6.2           | 5              | 7              | 78.1              |
| 9.     | 22.8                    | 24.1           | 25.5           | 24.1   | + 3.0           | 1.4                 | 8.6            | 1.0            | 3.7    | + 3.1           | 10             | 8              | 83.4              |
| 10.    | 24.6                    | 20.1           | 21.8           | 22.2   | + 1.2           | - 1.4               | 7.4            | 5.1            | 3.2    | + 2.7           | 7              | 7              | 55.6              |
| 11.    | 23.9                    | 24.7           | 26.9           | 25.2   | + 4.3           | 0.1                 | 10.2           | 4.3            | 4.9    | + 4.5           | 5              | 7              | 83.6              |
| 12.    | 29.8                    | 27.2           | 26.6           | 27.9   | + 7.0           | - 3.3               | 8.2            | 2.7            | 2.5    | + 2.0           | 8              | 8              | 75.9              |
| 13.    | 26.8                    | 23.7           | 23.3           | 24.6   | + 3.8           | - 1.7               | 13.2           | 6.9            | 6.1    | + 5.5           | 7              | 10             | 76.9              |
| 14.    | 24.4                    | 23.1           | 23.5           | 23.7   | + 2.9           | 0.7                 | 13.2           | 6.6            | 6.8    | + 6.0           | 9              | 9              | 70.9              |
| 15.    | 25.0                    | 23.6           | 23.2           | 23.9   | + 3.2           | 1.7                 | 14.4           | 7.5            | 7.9    | + 6.8           | 8              | 8              | 78.8              |
| 16.    | 23.1                    | 21.0           | 19.8           | 21.3   | + 0.6           | 2.4                 | 13.2           | 7.4            | 7.7    | + 6.4           | 6              | 4              | 30.5              |
| 17.    | 19.3                    | 15.3           | 12.9           | 15.8   | - 4.8           | 0.6                 | 14.0           | 7.8            | 7.5    | + 5.9           | 5              | 8              | 73.1              |
| 18.    | 16.8                    | 18.0           | 17.8           | 17.5   | - 3.0           | 0.1                 | 4.8            | - 1.3          | 1.5    | - 0.2           | 14             | 9              | 58.4              |
| 19.    | 21.5                    | 21.9           | 25.1           | 22.8   | + 2.3           | - 3.3               | 2.8            | - 1.3          | - 0.6  | - 2.5           | 10             | 8              | 81.0              |
| 20.    | 26.6                    | 25.9           | 25.9           | 26.1   | + 5.6           | - 4.2               | 4.8            | 1.4            | 0.7    | - 1.2           | 9              | 4              | 28.9              |
| 21.    | 28.1                    | 27.0           | 26.3           | 27.1   | + 6.7           | - 2.2               | 8.4            | 5.0            | 3.7    | + 1.6           | 8              | 8              | 69.7              |
| 22.    | 27.4                    | 27.7           | 29.9           | 28.3   | + 7.9           | 0.5                 | 7.8            | 2.2            | 3.5    | + 1.1           | 7              | 7              | 63.1              |
| 23.    | 29.7                    | 27.2           | 26.7           | 27.9   | + 7.5           | - 2.2               | 11.0           | 8.4            | 5.8    | + 3.1           | 7              | 6              | 73.6              |
| 24.    | 27.1                    | 26.4           | 26.7           | 26.7   | + 6.4           | 1.5                 | 13.8           | 8.0            | 7.8    | + 4.7           | 5              | 4              | 43.1              |
| 25.    | 26.7                    | 24.3           | 26.6           | 25.9   | + 5.6           | 3.4                 | 12.5           | 5.6            | 7.2    | + 3.7           | 6              | 11             | 25.0              |
| 26.    | 27.2                    | 25.8           | 25.9           | 26.3   | + 6.1           | - 0.8               | 7.1            | 1.8            | 2.7    | - 1.1           | 8              | 10             | 78.5              |
| 27.    | 27.9                    | 27.3           | 38.3           | 27.8   | + 7.6           | - 3.6               | 5.2            | 0.2            | 0.6    | - 3.5           | 8              | 7              | 71.4              |
| 28.    | 29.9                    | 28.4           | 27.4           | 28.6   | + 8.4           | - 4.2               | 8.2            | 1.8            | 1.9    | - 2.4           | 7              | 6              | 82.3              |
| 29.    | 27.6                    | 24.7           | 22.3           | 24.9   | + 4.7           | - 2.6               | 13.2           | 6.2            | 5.6    | + 1.2           | 8              | 10             | 80.3              |
| 30.    | 23.0                    | 20.5           | 19.6           | 21.0   | + 0.8           | - 0.5               | 14.2           | 6.1            | 6.6    | + 2.0           | 8              | 8              | 78.0              |
| 31.    | 21.4                    | 20.3           | 19.8           | 20.5   | + 0.4           | - 0.5               | 14.2           | 7.5            | 7.1    | + 2.2           | 9              | 7              | 79.8              |
| Mittel | 25.26                   | 23.92          | 24.08          | 24.42  | + 3.58          | - 0.96              | 9.09           | 3.99           | 4.04   | + 2.3           | 7.8            | 6.9            | 60.87             |

7.2

Am 17. abends 11<sup>1/2</sup><sup>h</sup> Gewitter und Sturm; am 22. das Eis des Würthersee's auf der Strecke Maria Wörth-Dellach gebrochen; am 25. vormittags war der ganze See eisfrei geworden; 31. der erste Gesang der Schwarzplättchen.



im März 1893.

Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 5.3                      | 6.3            | 5.2            | 5.6    | 94                                    | 83             | 90             | 89     | 10                           | 10             | 10             | 10     | E <sup>1</sup>             | SW <sup>1</sup> | SW <sup>1</sup> | 7.0               |            |
| 6.4                      | 5.6            | 4.9            | 5.0    | 92                                    | 84             | 91             | 89     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | 1.2               |            |
| 4.7                      | 4.8            | 2.9            | 4.1    | 96                                    | 80             | 47             | 74     | 10                           | 6              | 5              | 7      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>4</sup> | 1.3               |            |
| 2.8                      | 1.9            | 2.8            | 2.5    | 64                                    | 29             | 65             | 53     | 3                            | 2              | 0              | 2      | SE <sup>2</sup>            | NE <sup>3</sup> | NE <sup>1</sup> | —                 |            |
| 2.6                      | 3.5            | 3.1            | 3.1    | 93                                    | 60             | 70             | 74     | 0                            | 1              | 9              | 3      | W <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 2.7                      | 3.2            | 3.9            | 3.3    | 86                                    | 52             | 70             | 69     | 4                            | 3              | 0              | 2      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> | —                 |            |
| 3.2                      | 2.9            | 3.2            | 3.1    | 89                                    | 35             | 62             | 62     | 1                            | 2              | 0              | 1      | NE <sup>1</sup>            | SE <sup>2</sup> | SW <sup>1</sup> | —                 |            |
| 3.6                      | 3.3            | 3.5            | 3.5    | 88                                    | 29             | 41             | 53     | 3                            | 1              | 10             | 5      | NW <sup>1</sup>            | SW <sup>4</sup> | NW <sup>3</sup> | —                 |            |
| 3.7                      | 1.4            | 2.9            | 2.7    | 72                                    | 16             | 58             | 49     | 3                            | 2              | 0              | 2      | NE <sup>1</sup>            | NE <sup>5</sup> | NW <sup>2</sup> | —                 |            |
| 3.4                      | 3.9            | 3.4            | 3.6    | 82                                    | 50             | 52             | 61     | 5                            | 5              | 2              | 4      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 3.0                      | 2.0            | 2.2            | 2.4    | 65                                    | 22             | 34             | 40     | 3                            | 2              | 0              | 2      | NE <sup>1</sup>            | NE <sup>6</sup> | NE <sup>2</sup> | —                 |            |
| 2.9                      | 3.4            | 3.0            | 3.1    | 82                                    | 41             | 53             | 59     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 3.3                      | 4.9            | 4.1            | 4.1    | 82                                    | 43             | 55             | 60     | 0                            | 2              | 0              | 1      | NW <sup>1</sup>            | NW <sup>2</sup> | W <sup>3</sup>  | —                 |            |
| 3.9                      | 5.6            | 6.1            | 5.2    | 80                                    | 49             | 81             | 71     | 3                            | 5              | 0              | 3      | NE <sup>1</sup>            | NE <sup>2</sup> | SE <sup>1</sup> | —                 |            |
| 4.4                      | 5.8            | 5.5            | 5.2    | 85                                    | 48             | 70             | 68     | 0                            | 2              | 0              | 1      | NW <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 4.8                      | 6.3            | 5.5            | 5.5    | 87                                    | 55             | 72             | 71     | 4                            | 8              | 0              | 4      | NW <sup>1</sup>            | NW <sup>2</sup> | NW <sup>1</sup> | —                 |            |
| 4.4                      | 5.8            | 4.9            | 5.0    | 92                                    | 49             | 61             | 67     | 3                            | 8              | 9              | 7      | S <sup>1</sup>             | SW <sup>2</sup> | SW <sup>1</sup> | 7.6               | 13.5*Δ     |
| 4.0                      | 1.3            | 2.2            | 2.5    | 89                                    | 21             | 50             | 53     | 5                            | 7              | 6              | 6      | W <sup>1</sup>             | NE <sup>4</sup> | NE <sup>1</sup> | —                 |            |
| 2.9                      | 5.3            | 8.3            | 5.7    | 80                                    | 94             | 92             | 89     | 4                            | 5              | 0              | 3      | S <sup>1</sup>             | NW <sup>4</sup> | NE <sup>2</sup> | —                 |            |
| 2.9                      | 2.1            | 4.7            | 3.2    | 89                                    | 33             | 93             | 72     | 5                            | 3              | 4              | 4      | SW <sup>1</sup>            | NE <sup>3</sup> | NE <sup>1</sup> | —                 |            |
| 3.2                      | 4.3            | 3.2            | 3.6    | 85                                    | 52             | 49             | 62     | 1                            | 5              | 0              | 2      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> | —                 |            |
| 3.8                      | 4.2            | 3.6            | 3.7    | 80                                    | 55             | 66             | 67     | 10                           | 3              | 0              | 4      | W <sup>1</sup>             | NE <sup>5</sup> | NE <sup>2</sup> | —                 |            |
| 3.5                      | 3.1            | 3.2            | 3.3    | 89                                    | 32             | 38             | 53     | 0                            | 0              | 1              | 0      | N <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 3.5                      | 2.8            | 3.9            | 3.4    | 69                                    | 24             | 50             | 48     | 7                            | 5              | 10             | 7      | W <sup>1</sup>             | NE <sup>2</sup> | SE <sup>1</sup> | —                 |            |
| 4.3                      | 5.0            | 3.4            | 4.2    | 73                                    | 45             | 51             | 56     | 7                            | 5              | 0              | 4      | W <sup>1</sup>             | NW <sup>1</sup> | NE <sup>1</sup> | Spur              |            |
| 3.2                      | 2.6            | 2.6            | 2.8    | 73                                    | 35             | 50             | 53     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | NE <sup>4</sup> | NE <sup>4</sup> | —                 |            |
| 2.9                      | 2.8            | 2.9            | 2.9    | 82                                    | 43             | 62             | 62     | 0                            | 0              | 0              | 0      | NW <sup>1</sup>            | NE <sup>5</sup> | NE <sup>2</sup> | —                 |            |
| 2.9                      | 1.3            | 3.2            | 2.5    | 89                                    | 18             | 62             | 56     | 0                            | 0              | 0              | 0      | NW <sup>1</sup>            | NW <sup>2</sup> | E <sup>1</sup>  | —                 |            |
| 3.1                      | 2.9            | 3.6            | 3.2    | 83                                    | 26             | 50             | 53     | 0                            | 0              | 0              | 0      | N <sup>1</sup>             | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 3.5                      | 2.5            | 3.7            | 3.2    | 79                                    | 21             | 53             | 51     | 1                            | 2              | 0              | 1      | W <sup>1</sup>             | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 3.6                      | 3.4            | 4.1            | 3.7    | 81                                    | 28             | 54             | 54     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> | —                 |            |
| 3.57                     | 3.68           | 3.85           | 3.70   | 82.9                                  | 43.6           | 61.6           | 62.6   | 3.3                          | 3.5            | 2.5            | 3.2    | 1.0                        | 2.4             | 1.5             | 17.1              |            |

Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.630 Meter |
| Seelandbrunnen                  | 436.905       |
| Friedhofbrunnen                 | 436.774       |
| Maschinengewerbliche Fachschule | 435.870       |
| Wörtherseespiegel.              | 441.216       |
| Höchster Pegelstand am 20.—27.  | 441.238       |
| Tiefster „ „ 2.—4.              | 441.188       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m).

### Vorläufige Uebersicht der Witterung in Kärnten im März 1893 vom Central-Observatorium in Wien.

| Stationen         | Seehöhe<br>Meter | Luftdruck in Millimeter |        |          |     |        | Luftwärme in Celsius ° |          |       |        |       | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag       |     |        | Tage      |      |                   | darunter mit |       |          |       |        |
|-------------------|------------------|-------------------------|--------|----------|-----|--------|------------------------|----------|-------|--------|-------|-----------------------|------------------------|-----------|---------------------------|--------------------|-----|--------|-----------|------|-------------------|--------------|-------|----------|-------|--------|
|                   |                  | Grösster                | am     | Kleinst. | am  | Mittel | Grösste                | Kleinste | am    | Mittel | Summe |                       |                        |           |                           | Grösster<br>in 24h | am  | heiter | h. heiter | trüb | Nieder-<br>schlag | Schnee       | Hagel | Gewitter | Sturm |        |
|                   |                  |                         |        |          |     |        |                        |          |       |        |       |                       |                        |           |                           |                    |     |        |           |      |                   |              |       |          |       | 23.28. |
| Klagenfurt I      | 448              | 729.9                   | 23.28. | 712.9    | 17. | 724.4  | 14.4                   | 15.      | - 6.4 | 5.     | 3.8   | 3.7                   | 63                     | 3.2       | NE                        | 17                 | 8   | 17.    | 19        | 7    | 5                 | 5            | 1     | 0        | 1     | 1      |
| dto. II           | 504              | —                       | —      | —        | —   | —      | 15.8                   | 15.      | - 5.0 | 5.     | 4.6   | —                     | —                      | 4.2       | NW                        | —                  | —   | —      | 13        | 12   | 6                 | 0            | 0     | 0        | 0     | 0      |
| Kappel a. d. Drau | 441              | —                       | —      | —        | —   | —      | 15.0                   | 30.      | - 8.5 | 5.     | 3.0   | —                     | —                      | 3.2       | NW                        | 15                 | 10  | 17.    | 18        | 8    | 5                 | 3            | 1     | 0        | 1     | 3      |
| Saager . . .      | 486              | —                       | —      | —        | —   | —      | 15.0                   | 17.      | - 4.6 | 6.     | 4.4   | —                     | —                      | —         | —                         | 10                 | 7   | 17.    | —         | —    | —                 | 3            | 1     | 0        | 0     | 0      |
| St. Michael       | 495              | —                       | —      | —        | —   | —      | 19.4                   | 17.      | - 6.8 | 28.    | 3.4   | —                     | —                      | 3.2       | E                         | 15                 | 6   | 17.    | 19        | 8    | 4                 | 3            | 1     | 0        | 1     | 0      |
| Unterdrauburg     | 343              | —                       | —      | —        | —   | —      | 16.4                   | 8.       | - 6.4 | 28.    | 4.4   | —                     | —                      | 2.8       | W                         | 5                  | 4   | 25.    | 22        | 3    | 6                 | 2            | 0     | 0        | 0     | 0      |
| Liescha           | 552              | 720.8                   | 22.    | 703.8    | 17. | 715.2  | 15.4                   | 31.      | - 5.1 | 5.     | 3.3   | —                     | —                      | 4.5       | W                         | 14                 | 8   | 1.     | 12        | 11   | 8                 | 3            | 1     | 0        | 0     | 0      |
| Obir . . .        | 2047             | 597.8                   | 12.    | 585.3    | 17. | 593.8  | 5.2                    | 31.      | -16.1 | 18.    | 4.7   | 2.9                   | 88                     | 3.8       | W                         | 46                 | 25  | 3.     | 14        | 12   | 5                 | 6            | 6     | 0        | 0     | 6      |
| St. Andrä . .     | 432              | 734.4                   | 12.    | 716.6    | 17. | 728.4  | 18.3                   | 30.      | - 9.2 | 13.    | 3.1   | —                     | —                      | 3.6       | NW                        | 5                  | 2   | 2.     | 19        | 10   | 2                 | 6            | 0     | 0        | 0     | 1      |
| St. Paul          | 394              | 733.5                   | 28.    | 715.6    | 17. | 727.5  | 15.8                   | 31.      | - 6.0 | 5.     | 3.8   | 4.2                   | 71                     | —         | —                         | —                  | —   | —      | —         | —    | —                 | —            | —     | —        | —     | —      |
| Stelzing          | 1410             | —                       | —      | —        | —   | —      | 9.6                    | 29.      | -11.2 | 19.    | —     | 0.7                   | —                      | 4.2       | W                         | —                  | —   | —      | 11        | 11   | 9                 | —            | —     | —        | —     | —      |
| Knappenberg       | 1045             | —                       | —      | —        | —   | —      | 11.6                   | 25.      | - 8.0 | 5.     | 1.3   | —                     | —                      | 2.5       | SW                        | 16                 | 8   | 8.     | 23        | 6    | 2                 | 6            | 6     | 0        | 0     | 0      |
| Hüttenberg        | 783              | 700.7                   | 23.    | 683.2    | 17. | 694.3  | 14.0                   | 31.      | - 5.8 | 28.    | 3.7   | —                     | —                      | 2.4       | N                         | 19                 | 9   | 8.     | 20        | 9    | 2                 | 6            | 3     | 0        | 0     | 0      |
| Guttingar . .     | 642              | —                       | —      | —        | —   | —      | 15.0                   | 31.      | - 8.0 | 5.     | 2.6   | —                     | —                      | 2.8       | N                         | 22                 | 12  | 17.    | 20        | 7    | 4                 | 4            | 1     | 0        | 0     | 0      |
| Spittal a. D.     | 554              | 720.1                   | 12.    | 702.8    | 17. | —      | 16.4                   | 31.      | - 5.8 | 5.     | 4.4   | 5.0                   | 78                     | 4.0       | SE                        | 15                 | 10  | 17.    | 15        | 7    | 9                 | 3            | 1     | 0        | 1     | 5      |
| Eberstein . .     | 556              | —                       | —      | —        | —   | 714.3  | 19.7                   | 31.      | - 3.6 | 28.    | 3.4   | —                     | —                      | 2.5       | NE                        | 13                 | 7   | 8.     | —         | —    | —                 | 5            | 4     | 0        | 0     | 8      |
| Pörschach . .     | 464              | —                       | —      | —        | —   | —      | 15.0                   | 8.       | - 6.0 | 5.     | 3.6   | —                     | —                      | —         | —                         | —                  | —   | —      | —         | —    | —                 | —            | —     | —        | —     | —      |
| Radweg . . .      | 692              | —                       | —      | —        | —   | —      | 14.4                   | 15.      | - 6.4 | 28.    | 3.5   | —                     | —                      | 2.9       | N                         | —                  | —   | —      | 19        | 6    | 6                 | 2            | 1     | 0        | 0     | 0      |
| Reichenau . .     | 1059             | —                       | —      | —        | —   | —      | 14.4                   | 30.      | -10.6 | 4.     | 1.2   | —                     | —                      | 1.9       | NW                        | 1                  | 0.2 | 7.     | 23        | 2    | 6                 | 3            | 1     | 0        | 0     | 1      |
| Bad Villach .     | 488              | —                       | —      | —        | —   | —      | 14.2                   | 30.      | - 4.6 | 5.     | 4.0   | —                     | —                      | —         | —                         | —                  | —   | —      | —         | —    | —                 | —            | —     | —        | —     | —      |
| Bleiberg . . .    | 927              | 688.5                   | 23.    | 674.2    | 17. | 683.8  | 12.0                   | 8.       | - 4.6 | 19.    | 3.3   | —                     | —                      | 2.7       | NW                        | 5                  | 3   | 18.    | 22        | 6    | 3                 | 2            | 1     | 0        | 0     | 0      |
| St. Peter i. K.   | 1217             | —                       | —      | —        | —   | —      | 11.0                   | 31.      | - 8.6 | 5.     | 0.6   | —                     | —                      | 4.3       | N                         | 34                 | 14  | 8.     | 13        | 8    | 10                | 9            | 8     | 0        | 0     | 5      |
| Raibl . . .       | 981              | —                       | —      | —        | —   | —      | 14.8                   | 8.       | - 6.4 | 19.    | 2.3   | —                     | —                      | 2.7       | N                         | 2                  | 2   | 18.    | 19        | 6    | 6                 | 4            | 1     | 0        | 0     | 6      |
| Waidegg . . .     | 640              | —                       | —      | —        | —   | —      | 13.0                   | 31.      | - 3.8 | 28.    | 4.3   | —                     | —                      | 1.8       | SW                        | —                  | —   | —      | 24        | 5    | 2                 | 3            | 1     | 0        | 1     | 0      |
| Cornat . . .      | 1067             | 676.3                   | 21.    | 644.6    | 18. | 672.4  | 14.3                   | 30.      | - 6.3 | 28.    | 3.9   | —                     | —                      | 3.5       | W                         | 11                 | 5   | 2.     | 14        | 14   | 3                 | 4            | 1     | 0        | 0     | 4      |
| Radenthein . .    | 738              | —                       | —      | —        | —   | —      | 13.6                   | 8.       | - 5.0 | 5.     | 3.9   | —                     | —                      | 2.5       | —                         | 8                  | 3   | 17     | 22        | 6    | 3                 | 3            | 0     | 0        | 0     | 0      |
| Oberdrauburg      | 610              | —                       | —      | —        | —   | —      | 16.0                   | 8.       | - 4.5 | 5.     | 5.0   | —                     | —                      | 1.8       | W                         | 21                 | 8   | 3.     | —         | —    | —                 | 4            | 0     | 0        | 0     | 0      |
| Greifenburg .     | 626              | —                       | —      | —        | —   | —      | 16.0                   | 8.       | - 5.0 | 5.     | 4.9   | —                     | —                      | 5.8       | N                         | 1                  | 1   | 17.    | 18        | 7    | 6                 | 1            | 0     | 0        | 0     | 5      |
| St Walburgen      | 528              | —                       | —      | —        | —   | —      | 11.4                   | 15.      | - 1.0 | 5.     | 4.6   | —                     | —                      | 2.6       | N                         | 6                  | 3   | 3.     | 21        | 5    | 5                 | 2            | 0     | 0        | 0     | 0      |
| Jauken . . .      | 2072             | —                       | —      | —        | —   | —      | 10.0                   | 23.      | -14.4 | 19.    | —     | 2.8                   | —                      | 1.6       | W                         | —                  | —   | —      | —         | —    | —                 | —            | —     | —        | —     | —      |
| Wnd.Bleiberg      | 948              | —                       | —      | —        | —   | —      | 9.3                    | 8.       | - 5.1 | 20.    | 1.1   | —                     | —                      | 2.5       | —                         | 24                 | 18  | 18.    | 22        | 2    | 7                 | 2            | 1     | 0        | 0     | 0      |
| Sonnblick         | 3093             | 523.4                   | 12.    | 508.5    | 18. | 518.4  | -3.3                   | 31.      | -26.0 | 19.    | -12.5 | —                     | 88                     | 5.6       | E                         | 185                | 28  | 6.     | 9         | 6    | 16                | 19           | 19    | 0        | 0     | 11     |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

von  
**F. Seeland.** 1893.  
 April

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                   |           |                                                       |
| 1.     | 38·0                      | 48·0           | 41·3           | 42·4         | 10·0            | 59·7                 | 62·65             | 53·77     | 437·036                                               |
| 2.     | 37·3                      | 46·0           | 40·6           | 41·3         | 8·7             | 59·7                 | 62·82             | 53·97     | 437·031                                               |
| 3.     | 40·0                      | 46·7           | 40·6           | 42·4         | 6·7             | 59·3                 | 62·33             | 54·20     | 437·036                                               |
| 4.     | 40·0                      | 48·0           | 40·0           | 42·7         | 8·0             | 59·7                 | 62·84             | 53·47     | 437·046                                               |
| 5.     | 39·3                      | 45·4           | 40·0           | 41·6         | 6·1             | 60·3                 | 64·68             | 54·60     | 437·056                                               |
| 6.     | 38·7                      | 50·0           | 41·3           | 43·3         | 11·3            | 60·3                 | 64·50             | 53·17     | 437·056                                               |
| 7.     | 40·0                      | 47·4           | 44·0           | 43·8         | 7·4             | 59·2                 | 63·21             | 53·90     | 437·016                                               |
| 8.     | 45·4                      | 46·7           | 40·8           | 44·3         | 5·9             | 59·3                 | 58·66             | 53·90     | 437·036                                               |
| 9.     | 38·7                      | 45·4           | 40·6           | 41·6         | 6·7             | 59·3                 | 60·04             | 53·63     | 437·046                                               |
| 10.    | 37·3                      | 47·4           | 39·3           | 41·3         | 9·1             | 58·8                 | 61·59             | 52·97     | 437·028                                               |
| 11.    | 34·6                      | 45·4           | 41·3           | 40·4         | 10·8            | 58·9                 | 63·12             | 53·73     | 437·035                                               |
| 12.    | 36·6                      | 46·7           | 37·3           | 40·2         | 10·1            | 58·4                 | 60·94             | 52·27     | 437·024                                               |
| 13.    | 39·3                      | 45·4           | 39·3           | 41·3         | 6·1             | 58·6                 | 60·60             | 53·93     | 437·031                                               |
| 14.    | 40·0                      | 46·7           | 40·6           | 42·4         | 6·7             | 59·2                 | 60·55             | 53·63     | 437·036                                               |
| 15.    | 38·0                      | 48·7           | 38·0           | 41·6         | 10·7            | 58·4                 | 60·13             | 53·40     | 437·021                                               |
| 16.    | 37·3                      | 50·7           | 38·0           | 42·0         | 13·4            | 59·1                 | 59·66             | 54·27     | 437·016                                               |
| 17.    | 37·3                      | 50·0           | 40·0           | 42·4         | 12·7            | 58·7                 | 60·62             | 53·07     | 437·013                                               |
| 18.    | 39·3                      | 46·7           | 40·6           | 42·2         | 7·4             | 59·2                 | 59·46             | 54·47     | 437·006                                               |
| 19.    | 35·3                      | 48·7           | 37·3           | 40·4         | 11·4            | 59·2                 | 60·17             | 54·27     | 436·999                                               |
| 20.    | 36·6                      | 47·4           | 40·6           | 41·5         | 10·8            | 58·6                 | 60·11             | 52·20     | 436·996                                               |
| 21.    | 36·6                      | 46·0           | 40·6           | 41·1         | 9·4             | 59·1                 | 60·67             | 52·30     | 436·991                                               |
| 22.    | 36·6                      | 46·9           | 40·6           | 41·4         | 10·3            | 59·4                 | 63·24             | 53·57     | 436·986                                               |
| 23.    | 39·3                      | 46·7           | 40·6           | 42·2         | 7·4             | 59·3                 | 63·09             | 53·53     | 436·981                                               |
| 24.    | 36·6                      | 46·7           | 39·3           | 40·9         | 10·1            | 59·7                 | 64·09             | 53·37     | 436·980                                               |
| 25.    | 34·6                      | 47·4           | 40·6           | 40·9         | 12·8            | 58·4                 | 62·48             | 51·87     | 436·984                                               |
| 26.    | 36·0                      | 49·4           | 34·0*          | 39·8         | 15·4            | 59·0                 | 63·49             | 50·40     | 436·980                                               |
| 27.    | 34·6                      | 47·4           | 39·3           | 40·4         | 12·8            | 57·5                 | 62·58             | 50·53     | 436·976                                               |
| 28.    | *53·3                     | 40·6           | 38·9           | 38·9         | 5·3             | 58·7                 | 63·09             | 50·53     | 436·976                                               |
| 29.    | 38·0                      | 46·0           | 39·3           | 41·1         | 8·0             | 59·3                 | 63·07             | 52·07     | 436·972                                               |
| 30.    | 37·3                      | 48·0           | 40·0           | 41·8         | 10·7            | 59·6                 | 64·03             | 52·37     | 436·966                                               |
| Mittel | 37·8                      | 47·1           | 39·8           | 41·6         | 9·3             | 59·1                 | 61·95             | 53·11     | 437·012                                               |

Die magnetische Declination in Klagenfurt war 9° 41'6", mit dem Maximum 9° 43'8" am 7. und dem Minimum 9° 38'9" am 28.

Die Tagesvariation betrug im Mittel 9'3", mit dem Maximum 15'4" am 26. und dem Minimum 5'3" am 28.

Am 26. abends und am 28. morgens waren Störungen.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 21.7                    | 21.0           | 23.7           | 22.1   | + 2.0           | 0.8                 | 15.2           | 7.4            | 7.8    | + 2.5           | 8              | 7              | 71.1              |
| 2.     | 26.6                    | 27.6           | 29.7           | 28.0   | + 7.9           | 1.7                 | 12.1           | 4.6            | 6.1    | + 0.3           | 7              | 9              | 54.2              |
| 3.     | 29.8                    | 28.0           | 26.8           | 28.2   | + 8.1           | - 0.8               | 12.0           | 5.5            | 5.6    | - 0.7           | 10             | 8              | 77.5              |
| 4.     | 27.1                    | 24.7           | 24.3           | 25.4   | + 5.3           | 0.1                 | 15.0           | 8.3            | 7.8    | + 0.9           | 9              | 7              | 80.2              |
| 5.     | 24.6                    | 21.5           | 23.9           | 23.3   | + 3.3           | 3.6                 | 14.0           | 9.9            | 9.2    | + 1.9           | 7              | 10             | 53.1              |
| 6.     | 25.9                    | 25.9           | 26.5           | 26.1   | + 6.1           | 5.2                 | 12.4           | 6.7            | 8.1    | + 0.4           | 12             | 13             | 79.4              |
| 7.     | 29.2                    | 28.4           | 29.2           | 28.9   | + 8.9           | 1.7                 | 13.8           | 7.6            | 7.7    | - 0.2           | 8              | 6              | 78.8              |
| 8.     | 29.1                    | 27.9           | 28.1           | 28.3   | + 8.3           | 5.2                 | 14.8           | 7.9            | 9.2    | + 1.2           | 8              | 8              | 1.5               |
| 9.     | 28.7                    | 27.9           | 27.9           | 28.2   | + 8.2           | 3.6                 | 12.5           | 6.8            | 7.6    | - 0.4           | 9              | 8              | 62.4              |
| 10.    | 29.6                    | 28.5           | 27.6           | 28.6   | + 8.6           | 1.8                 | 10.8           | 3.7            | 5.4    | - 2.7           | 10             | 10             | 82.7              |
| 11.    | 26.9                    | 24.1           | 23.5           | 24.8   | + 4.8           | - 0.2               | 12.6           | 6.1            | 6.2    | - 1.9           | 7              | 4              | 74.6              |
| 12.    | 23.8                    | 20.6           | 20.0           | 21.5   | + 1.5           | 0.8                 | 13.4           | 8.7            | 7.6    | - 0.6           | 11             | 11             | 40.3              |
| 13.    | 18.9                    | 17.5           | 19.1           | 18.5   | - 1.5           | 2.4                 | 14.2           | 7.5            | 8.0    | + 0.2           | 9              | 8              | 70.4              |
| 14.    | 24.3                    | 25.6           | 27.4           | 25.8   | + 5.8           | 1.4                 | 7.8            | 2.9            | 4.0    | - 4.2           | 8              | 9              | 75.6              |
| 15.    | 29.4                    | 27.3           | 26.7           | 27.8   | + 7.8           | - 1.2               | 11.8           | 6.9            | 5.8    | - 2.5           | 9              | 9              | 61.0              |
| 16.    | 28.0                    | 25.4           | 25.7           | 26.4   | + 6.4           | 0.7                 | 17.2           | 11.2           | 9.7    | + 1.3           | 8              | 9              | 66.4              |
| 17.    | 24.9                    | 22.7           | 24.6           | 24.1   | + 4.0           | 4.2                 | 18.6           | 11.3           | 11.4   | + 2.8           | 4              | 9              | 12.4              |
| 18.    | 29.7                    | 28.7           | 27.1           | 28.5   | + 8.6           | 3.3                 | 10.0           | 6.4            | 6.6    | - 2.2           | 8              | 7              | 44.9              |
| 19.    | 27.9                    | 25.2           | 24.8           | 26.0   | + 5.9           | 1.6                 | 14.2           | 10.1           | 8.6    | + 0.5           | 8              | 7              | 73.6              |
| 20.    | 25.3                    | 23.4           | 23.5           | 24.1   | + 4.0           | 5.5                 | 19.2           | 12.1           | 12.3   | + 2.9           | 8              | 8              | 11.5              |
| 21.    | 24.2                    | 23.9           | 23.6           | 23.9   | + 3.8           | 7.8                 | 15.4           | 11.4           | 11.5   | + 1.9           | 9              | 9              | 9.3               |
| 22.    | 22.0                    | 21.7           | 23.8           | 22.5   | + 2.4           | 7.4                 | 20.2           | 12.4           | 13.3   | + 3.6           | 7              | 8              | 81.4              |
| 23.    | 25.1                    | 22.4           | 23.7           | 23.7   | + 3.5           | 4.7                 | 18.6           | 12.2           | 11.8   | + 1.9           | 8              | 7              | 87.9              |
| 24.    | 26.9                    | 23.8           | 22.9           | 24.5   | + 4.3           | 4.1                 | 15.2           | 10.1           | 9.8    | - 0.3           | 8              | 8              | 87.9              |
| 25.    | 24.1                    | 21.5           | 22.2           | 22.6   | + 2.4           | 4.9                 | 21.0           | 12.2           | 12.7   | + 2.3           | 8              | 7              | 76.1              |
| 26.    | 23.9                    | 20.6           | 19.9           | 21.5   | + 1.7           | 6.8                 | 22.4           | 14.6           | 14.6   | + 4.0           | 8              | 8              | 88.7              |
| 27.    | 20.1                    | 18.0           | 17.9           | 18.7   | - 1.5           | 10.2                | 21.6           | 12.2           | 14.7   | + 4.0           | 8              | 6              | 25.9              |
| 28.    | 16.8                    | 15.0           | 14.9           | 15.6   | - 4.6           | 9.3                 | 20.0           | 12.6           | 14.0   | + 3.3           | 9              | 8              | 22.4              |
| 29.    | 15.9                    | 17.0           | 18.5           | 17.1   | - 3.2           | 10.9                | 15.4           | 11.2           | 12.5   | + 1.8           | 10             | 10             | 38.9              |
| 30.    | 21.0                    | 19.7           | 20.3           | 20.3   | 0.0             | 8.3                 | 18.6           | 12.1           | 13.0   | + 2.4           | 7              | 9              | 41.7              |
| Mittel | 25.04                   | 23.51          | 23.92          | 24.16  | +4.07           | 3.86                | 15.00          | 9.09           | 9.43   | +0.78           | 8.3            | 8.2            | 57.73             |

8.2

Am 15. gab es um 6<sup>3</sup>/<sub>4</sub> h morgens 2 Nebensonnen, wagrecht rechts und links von der Sonne im Winkel von 44° entfernt; bis nach 7 h sichtbar. Von der südlichen Nebensonne gieng nach rechts ein weisser Lichtkegel ins Himmelsblau hinaus. An den Nebensonnen war eine leichte Färbung und zwar innen Orange, dann roth und aussen blau zu sehen. Den Himmel bedeckte ein Cirrenschleier. Am 21. erstes Gewitter, abends 5<sup>1</sup>/<sub>2</sub> h von NW gegen SW ziehend, 1/2 Stunde dauernd, ohne Regen.

im April 1893.

Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 4.1                      | 3.2            | 4.5            | 3.9    | 85                                    | 25             | 59             | 56     | 0                            | 6              | 0              | 2      | SW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> |                   |            |
| 4.1                      | 4.2            | 4.4            | 4.2    | 80                                    | 40             | 70             | 63     | 4                            | 5              | 0              | 3      | NW <sup>1</sup>            | NE <sup>3</sup> | NE <sup>1</sup> |                   |            |
| 3.8                      | 3.8            | 6.4            | 4.1    | 88                                    | 37             | 69             | 65     | 0                            | 0              | 0              | 0      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> |                   |            |
| 3.5                      | 3.1            | 4.3            | 3.6    | 76                                    | 25             | 54             | 52     | 0                            | 0              | 0              | 0      | NW <sup>1</sup>            | NW <sup>2</sup> | NW <sup>1</sup> |                   |            |
| 4.5                      | 4.4            | 6.9            | 5.3    | 77                                    | 37             | 80             | 65     | 4                            | 8              | 10             | 7      | NE <sup>1</sup>            | NE <sup>2</sup> | SE <sup>1</sup> | Spur              |            |
| 5.6                      | 3.8            | 3.9            | 4.4    | 77                                    | 35             | 53             | 55     | 5                            | 0              | 0              | 2      | NE <sup>3</sup>            | NE <sup>3</sup> | NE <sup>1</sup> |                   |            |
| 3.8                      | 3.9            | 4.1            | 3.9    | 73                                    | 33             | 53             | 53     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | SE <sup>4</sup> | E <sup>1</sup>  |                   |            |
| 4.7                      | 4.4            | 5.5            | 4.9    | 71                                    | 35             | 69             | 58     | 7                            | 10             | 10             | 9      | W <sup>1</sup>             | NW <sup>2</sup> | NE <sup>4</sup> |                   |            |
| 4.7                      | 2.7            | 2.5            | 3.3    | 78                                    | 24             | 34             | 45     | 10                           | 1              | 0              | 4      | NW <sup>1</sup>            | E <sup>6</sup>  | NE <sup>1</sup> |                   |            |
| 3.3                      | 2.2            | 2.9            | 2.8    | 63                                    | 23             | 48             | 45     | 0                            | 3              | 0              | 1      | NE <sup>1</sup>            | NE <sup>4</sup> | NE <sup>1</sup> |                   |            |
| 3.0                      | 2.4            | 3.1            | 2.8    | 66                                    | 22             | 45             | 44     | 0                            | 1              | 0              | 0      | W <sup>1</sup>             | NW <sup>5</sup> | SE <sup>1</sup> |                   |            |
| 3.5                      | 3.9            | 5.6            | 4.3    | 71                                    | 34             | 67             | 57     | 0                            | 9              | 10             | 6      | SW <sup>1</sup>            | NW <sup>5</sup> | NW <sup>1</sup> | 1.7               |            |
| 4.6                      | 1.8            | 2.6            | 3.0    | 84                                    | 14             | 34             | 44     | 3                            | 6              | 0              | 3      | NW <sup>1</sup>            | NW <sup>5</sup> | NE <sup>1</sup> |                   |            |
| 2.5                      | 1.2            | 2.2            | 2.0    | 49                                    | 15             | 42             | 35     | 4                            | 3              | 0              | 2      | E <sup>3</sup>             | NE <sup>6</sup> | NE <sup>3</sup> |                   |            |
| 3.3                      | 2.7            | 4.1            | 3.4    | 78                                    | 26             | 55             | 53     | 2                            | 3              | 0              | 2      | N <sup>1</sup>             | NE <sup>1</sup> | SW <sup>2</sup> |                   |            |
| 3.6                      | 2.8            | 4.1            | 3.5    | 75                                    | 19             | 41             | 45     | 9                            | 1              | 0              | 3      | SE <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> |                   |            |
| 4.2                      | 3.3            | 4.9            | 4.1    | 68                                    | 20             | 49             | 46     | 9                            | 4              | 2              | 5      | S <sup>1</sup>             | NE <sup>5</sup> | S <sup>2</sup>  |                   |            |
| 3.0                      | 3.3            | 3.5            | 3.3    | 52                                    | 37             | 48             | 46     | 8                            | 0              | 6              | 3      | NE <sup>3</sup>            | NE <sup>3</sup> | NE <sup>2</sup> |                   |            |
| 4.0                      | 4.3            | 3.7            | 4.0    | 78                                    | 35             | 40             | 51     | 5                            | 0              | 0              | 2      | SE <sup>1</sup>            | SE <sup>2</sup> | SE <sup>1</sup> |                   |            |
| 4.4                      | 6.6            | 6.4            | 5.8    | 65                                    | 40             | 61             | 55     | 10                           | 6              | 2              | 6      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> |                   |            |
| 5.9                      | 7.4            | 8.1            | 7.1    | 75                                    | 57             | 81             | 71     | 7                            | 9              | 4              | 7      | NW <sup>1</sup>            | SW <sup>1</sup> | W <sup>1</sup>  | ⊠                 |            |
| 6.6                      | 3.7            | 4.6            | 5.0    | 86                                    | 21             | 43             | 50     | 4                            | 1              | 0              | 2      | NE <sup>1</sup>            | NW <sup>6</sup> | NW <sup>1</sup> |                   |            |
| 4.4                      | 1.3            | 3.8            | 3.2    | 68                                    | 27             | 36             | 44     | 0                            | 2              | 0              | 1      | N <sup>1</sup>             | NW <sup>1</sup> | NE <sup>2</sup> |                   |            |
| 3.5                      | 3.9            | 4.2            | 3.9    | 56                                    | 31             | 46             | 44     | 0                            | 0              | 0              | 0      | NE <sup>2</sup>            | SW <sup>1</sup> | SW <sup>1</sup> |                   |            |
| 4.2                      | 5.3            | 4.8            | 4.8    | 64                                    | 28             | 44             | 45     | 1                            | 4              | 1              | 2      | W <sup>1</sup>             | SE <sup>1</sup> | SW <sup>1</sup> |                   |            |
| 4.6                      | 6.5            | 6.3            | 5.8    | 63                                    | 33             | 51             | 49     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | SW <sup>2</sup> | NW <sup>1</sup> |                   |            |
| 6.6                      | 7.6            | 8.4            | 7.5    | 71                                    | 39             | 80             | 63     | 10                           | 10             | 2              | 7      | S <sup>1</sup>             | NE <sup>5</sup> | NW <sup>1</sup> | 0.6⊠              |            |
| 7.0                      | 8.3            | 9.8            | 8.4    | 80                                    | 47             | 91             | 73     | 2                            | 10             | 10             | 7      | N <sup>1</sup>             | NE <sup>2</sup> | SW <sup>1</sup> | 4.4               |            |
| 8.7                      | 6.4            | 6.8            | 7.3    | 90                                    | 49             | 68             | 69     | 10                           | 5              | 3              | 6      | SE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> |                   |            |
| 6.5                      | 6.8            | 9.5            | 7.6    | 79                                    | 43             | 89             | 70     | 2                            | 10             | 10             | 7      | S <sup>1</sup>             | SW <sup>3</sup> | SW <sup>1</sup> | 6.2⊠              |            |
| 4.54                     | 4.17           | 5.00           | 4.57   | 72.9                                  | 31.7           | 56.7           | 53.7   | 3.9                          | 4.0            | 2.1            | 3.3    | 1.2                        | 2.9             | 1.3             | 12.9              |            |

Grundwasserstand in Klagenfurt:

|                                   |               |
|-----------------------------------|---------------|
| K. k. Militärspital               | 437-870 Meter |
| Seelandbrunnen                    | 437-012       |
| Friedhofbrunnen                   | 436-771       |
| Maschinengewerbliche Fachschule   | 435-860       |
| Wörtherseespiegel.                | 441-171       |
| Höchster Pegelstand am 1. . . . . | 441-198       |
| Tiefster " " " 9., 16. 18.        | 441-158       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m).

# Vorläufige Uebersicht der Witterung in Kärnten im April 1893 vom Central-Observatorium in Wien.

| Stationen     | Seehöhe<br>Meter | Luftdruck in Millimeter |                |          |        | Luftwärme in Celsius ° |      |          |     |        | Dunst-<br>druck<br>mm | Fench-<br>tigkeit<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |                   |     | Tage                          |                   |        | darunter mit |                   |         |          |        |
|---------------|------------------|-------------------------|----------------|----------|--------|------------------------|------|----------|-----|--------|-----------------------|------------------------|-----------|---------------------------|--------------|-------------------|-----|-------------------------------|-------------------|--------|--------------|-------------------|---------|----------|--------|
|               |                  | Größter                 | am<br>Kleinste | am       | Mittel | Größte                 | am   | Kleinste | am  | Mittel |                       |                        |           |                           | Summe        | Größter<br>in 24h | am  | heißer<br>b. heiser<br>trockn | Nieder-<br>schlag | Schnee | Hagel        | Gewitter<br>Sturm |         |          |        |
|               |                  |                         |                |          |        |                        |      |          |     |        |                       |                        |           |                           |              |                   |     |                               |                   |        |              |                   | Größter | Kleinste | Mittel |
| Klagenfurt I  | 448              | 729.8                   | 3.714.9        | 28.724.2 | 22.14  | 26.                    | -1.2 | 15.      | 9.3 | 4.6    | 54                    | 3.3                    | NE        | 13                        | 6            | 30.               | 19  | 5                             | 6                 | 4      | 0            | 0                 | 3       | 3        |        |
| dto. II       | 504              | —                       | —              | —        | 23.0   | 26.                    | 0.0  | 15.      | 9.8 | —      | —                     | 4.7                    | NE        | —                         | —            | —                 | 13  | 9                             | 7                 | 4      | 0            | 0                 | 0       | 0        |        |
| Saager        | 486              | —                       | —              | —        | 23.6   | 26.                    | -1.4 | 15.      | 9.7 | —      | —                     | —                      | —         | 8                         | 6            | 28.               | —   | —                             | —                 | 3      | 0            | 0                 | 0       | 0        |        |
| St. Michael   | 495              | —                       | —              | —        | 22.0   | 22.                    | -3.0 | 15.      | 9.3 | —      | —                     | 3.6                    | SW        | 13                        | 5            | 28.               | 17  | 8                             | 5                 | 5      | 0            | 0                 | 0       | 0        |        |
| Unterdrauburg | 343              | —                       | —              | —        | 23.4   | 26.                    | -3.4 | 15.      | 9.2 | —      | —                     | 2.6                    | E         | 13                        | 7            | 28.               | 22  | 1                             | 7                 | 3      | 0            | 0                 | 0       | 0        |        |
| Liescha       | 552              | 720.8                   | 10.706.7       | 28.715.4 | 22.8   | 26.                    | -1.8 | 15.      | 8.4 | —      | —                     | 4.2                    | NE        | 25                        | 12           | 28.               | 11  | 13                            | 6                 | 4      | 0            | 0                 | 0       | 0        |        |
| Eisenkappel   | 554              | —                       | —              | —        | 23.5   | 26.                    | -3.6 | 11.      | 9.6 | —      | —                     | —                      | —         | 14                        | 7            | 28.               | —   | —                             | —                 | —      | —            | —                 | —       | —        |        |
| Obir.         | 2047             | 599.1                   | 7.589.2        | 13.595.6 | 11.5   | 26.                    | 11.8 | 13.      | —   | 0.5    | 3.8                   | 8.3                    | 3.6       | W                         | 24           | 10                | 28. | 17                            | 5                 | 7      | 7            | 3                 | 0       | 2        | 6      |
| Spittal a. D. | 554              | 720.7                   | 10.703.3       | 28.714.3 | 24.2   | 26.                    | -2.0 | 15.      | 9.5 | —      | —                     | 3.7                    | SE        | 10                        | 6            | 28.               | 16  | 7                             | 7                 | 4      | 0            | 0                 | 1       | 1        |        |
| St. Andrä     | 432              | 734.6                   | 18.718.2       | 28.728.3 | 24.3   | 26.                    | -2.2 | 3        | 8.0 | 5.3    | 6.7                   | 4.2                    | NW        | 15                        | 7            | 28.               | 13  | 11                            | 6                 | 5      | 0            | 0                 | 0       | 3        |        |
| St. Paul      | 394              | 733.5                   | 18.717.3       | 28.727.2 | 23.4   | 26.                    | -1.8 | 3.       | 9.3 | 4.7    | 5.6                   | —                      | —         | 12                        | 6            | 28.               | —   | —                             | —                 | 4      | 0            | 0                 | 0       | 0        |        |
| Stelzing      | 1410             | —                       | —              | —        | 14.8   | 26.                    | -6.2 | 14.      | 9.6 | —      | —                     | 4.8                    | W         | —                         | —            | —                 | 9   | 14                            | 7                 | —      | —            | —                 | —       | —        |        |
| Knappenberg   | 1045             | —                       | —              | —        | 18.0   | 26                     | -3.8 | 11.      | 6.2 | 4.1    | 5.8                   | 2.4                    | SE        | 3                         | 2            | 29                | 21  | 9                             | 9                 | 2      | 0            | 0                 | 0       | 0        |        |
| Hüttenberg    | 782              | 700.4                   | 18.685.8       | 28.694.9 | 20.8   | 26.                    | -3.0 | 15.      | 7.9 | —      | —                     | 3.1                    | —         | —                         | —            | 15                | 12  | 3                             | —                 | —      | —            | —                 | —       | —        |        |
| Guttaring     | 642              | —                       | —              | —        | 21.5   | 26                     | -3.9 | 11       | 7.6 | —      | —                     | 2.6                    | NW        | 8                         | 7            | 30                | 17  | 7                             | 6                 | 2      | 0            | 0                 | 0       | 1        |        |
| Eberstein     | 640              | —                       | —              | —        | 22.0   | 26                     | -3.2 | 15       | 7.4 | —      | —                     | 3.3                    | NE        | 4                         | 2            | 28.               | —   | —                             | —                 | 4      | 0            | 0                 | 0       | 4        |        |
| Pürtschach    | 464              | —                       | —              | —        | 23.2   | 26                     | 0.4  | 15       | 9.2 | —      | —                     | —                      | —         | —                         | —            | —                 | —   | —                             | —                 | —      | —            | —                 | —       | —        |        |
| Radweg        | 692              | —                       | —              | —        | 21.0   | 26                     | -1.0 | 11       | 7.6 | —      | —                     | 4.1                    | E         | 14                        | 5            | 30                | 14  | 6                             | 10                | 4      | 0            | 0                 | 5       | 0        |        |
| Sirnitz       | 700              | —                       | —              | —        | 20.2   | 26                     | -3.0 | 14       | 6.5 | —      | —                     | 3.8                    | NW        | 25                        | 40           | 28.               | 17  | 5                             | 7                 | 4      | 0            | 0                 | 0       | 0        |        |
| Bad Villach   | 425              | —                       | —              | —        | 21.6   | 27.                    | -2.2 | 15       | 8.3 | —      | —                     | —                      | —         | —                         | —            | —                 | —   | —                             | —                 | —      | —            | —                 | —       | —        |        |
| Radenthein    | 735              | —                       | —              | —        | 20.9   | 26.                    | -0.4 | 15.      | 8.9 | —      | —                     | 2.4                    | —         | 19                        | 7            | 28.               | 21  | 4                             | 4                 | 6      | 1            | 2                 | 2       | 2        |        |
| Raihl         | 981              | —                       | —              | —        | 19.2   | 23                     | 1.6  | 19       | 7.0 | —      | —                     | 2.2                    | W         | 12                        | 4            | 28.               | 21  | 4                             | 4                 | 6      | 0            | 0                 | 0       | 0        |        |
| Waidegg       | 640              | —                       | —              | —        | 22.4   | 26                     | 0.0  | 15       | 8.3 | —      | —                     | 2.2                    | NE        | —                         | —            | —                 | 20  | 4                             | 3                 | 0      | 0            | 1                 | 0       | 0        |        |
| Corrat        | 1217             | —                       | —              | —        | 21.3   | 26                     | 1.0  | 12       | 6.7 | 4.2    | 3.0                   | 3.0                    | W         | —                         | —            | 28.               | 21  | 4                             | 3                 | 3      | 0            | 0                 | 0       | 0        |        |
| St Peter K    | 1217             | —                       | —              | —        | 17.8   | 26                     | 3.6  | 14       | 15  | —      | —                     | 3.0                    | N         | 17                        | 8            | 21                | 10  | —                             | —                 | 1      | 0            | 1                 | 0       | 0        |        |
| Großenburg    | 826              | —                       | —              | —        | 22.6   | 26                     | 1.6  | 15       | 7.7 | —      | —                     | 3.8                    | F         | 4                         | 4            | 28.               | 16  | —                             | —                 | 3      | 0            | 0                 | 0       | 0        |        |
| St. Waburg    | 1212             | —                       | —              | —        | 14.6   | 23                     | 1.8  | 15       | 7.7 | —      | —                     | 3.7                    | NW        | 24                        | 15           | 28.               | 1   | 10                            | 3                 | 6      | 0            | 1                 | 0       | 0        |        |
| Jaßker        | 1212             | —                       | —              | —        | 15.6   | 23                     | 8.0  | 14       | 4.8 | —      | —                     | 1.7                    | —         | —                         | —            | 28.               | 1   | 0                             | 0                 | 0      | 0            | 0                 | 0       | 0        |        |
| W. B. B. B.   | 1212             | —                       | —              | —        | 17.8   | 26                     | 3.0  | 14       | 6.0 | —      | —                     | 1.8                    | —         | —                         | —            | —                 | —   | —                             | —                 | 3      | 0            | 0                 | 0       | 0        |        |
| Seeböck       | 595              | 724.0                   | 11.513         | 28.718   | 22.8   | 26                     | 0.2  | 14       | 8.1 | 4.2    | 3.3                   | 3.3                    | NE        | 12                        | 13           | 31                | 14  | 17                            | 17                | —      | —            | —                 | —       | —        |        |

XX

# Magnetische Declinations-Beobachtungen zu Klagenfurt

von  
**F. Seeland.** 1893.

Mai

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 10° +           | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                   |           |                                                       |
| 1.     | 35·3                      | 52·1           | 42·0           | 43·1         | 16·8            | 59·3                 | 65·01             | 52·23     | 436·973                                               |
| 2.     | 39·3                      | 53·0           | 41·3           | 43·5         | 13·7            | 59·0                 | 62·23             | 51·13     | 436·966                                               |
| 3.     | 36·6                      | 48·0           | 47·4           | 44·0         | 11·4            | 58·2                 | 62·95             | 50·87     | 436·966                                               |
| 4.     | 39·3                      | 50·7           | 42·0           | 44·0         | 11·4            | 58·7                 | 64·31             | 51·27     | 436·966                                               |
| 5.     | 36·0                      | 40·6           | 35·3           | 37·3         | 5·3             | 57·2                 | 63·18             | 48·93     | 436·966                                               |
| 6.     | 35·3                      | 40·0           | 36·0           | 37·1         | 4·7             | 55·9                 | 64·96             | 51·43     | 436·956                                               |
| 7.     | 34·6                      | 42·0           | 39·3           | 38·6         | 7·4             | 55·7                 | 63·78             | 51·37     | 436·961                                               |
| 8.     | 39·3                      | 42·0           | 38·7           | 40·0         | 3·3             | 54·6                 | 64·45             | 50·87     | 436·941                                               |
| 9.     | 38·0                      | 48·7           | 39·3           | 42·0         | 10·7            | 55·8                 | 62·36             | 50·93     | 436·936                                               |
| 10.    | 38·7                      | 48·0           | 40·6           | 42·4         | 9·3             | 55·7                 | 63·07             | 49·80     | 436·951                                               |
| 11.    | 39·3                      | 47·4           | 38·7           | 41·8         | 8·7             | 56·7                 | 62·06             | 49·57     | 436·946                                               |
| 12.    | 40·0                      | 47·4           | 41·3           | 42·9         | 7·4             | 56·8                 | 63·39             | 50·07     | 436·949                                               |
| 13.    | 38·7                      | 49·4           | 40·6           | 42·9         | 10·7            | 57·3                 | 63·16             | 50·30     | 436·966                                               |
| 14.    | 37·3                      | 50·7           | 40·6           | 42·9         | 13·4            | 57·7                 | 62·54             | 51·17     | 436·966                                               |
| 15.    | 36·3                      | 48·0           | 34·0           | 39·5         | 8·0             | 57·7                 | 61·60             | 49·60     | 436·967                                               |
| 16.    | 30·0                      | 44·0           | 35·3           | 36·6         | 14·0            | 57·9                 | 62·93             | 50·67     | 436·966                                               |
| 17.    | 32·7                      | 46·7           | 35·3           | 38·2         | 14·0            | 59·3                 | 63·25             | 52·67     | 436·976                                               |
| 18.    | 32·7                      | 46·0           | 34·0           | 37·6         | 13·3            | 59·3                 | 62·73             | 50·23     | 436·976                                               |
| 19.    | 30·0                      | 42·7           | 35·3           | 36·0         | 12·7            | 59·1                 | 62·67             | 51·03     | 436·956                                               |
| 20.    | 31·3                      | 43·4           | 34·0           | 36·2         | 12·1            | 58·6                 | 62·80             | 51·00     | 436·951                                               |
| 21.    | 32·7                      | 44·0           | 36·6           | 37·8         | 11·3            | 58·5                 | 60·64             | 50·23     | 436·956                                               |
| 22.    | 32·0                      | 44·0           | 36·0           | 37·3         | 12·0            | 59·3                 | 62·06             | 51·60     | 436·956                                               |
| 23.    | 31·3                      | 40·6           | 34·6           | 35·5         | 9·2             | 58·1                 | 60·40             | 49·33     | 436·955                                               |
| 24.    | 30·0                      | 42·0           | 36·0           | 36·0         | 12·0            | 58·5                 | 62·27             | 50·03     | 436·961                                               |
| 25.    | 33·3                      | 44·0           | 35·3           | 37·5         | 10·7            | 58·9                 | 62·40             | 51·40     | 436·955                                               |
| 26.    | 30·0                      | 42·7           | 36·0           | 36·2         | 12·7            | 58·6                 | 62·14             | 50·27     | 436·966                                               |
| 27.    | 31·3                      | 42·0           | 35·3           | 36·2         | 10·7            | 58·3                 | 61·98             | 50·17     | 436·966                                               |
| 28.    | 32·7                      | 42·0           | 36·0           | 36·9         | 9·3             | 58·3                 | 64·51             | 50·73     | 436·961                                               |
| 29.    | 30·0                      | 40·6           | 36·6           | 35·7         | 10·6            | 57·3                 | 61·53             | 49·93     | 436·966                                               |
| 30.    | 29·3                      | 46·7           | 35·3           | 37·1         | 17·4            | 58·9                 | 62·28             | 51·47     | 436·956                                               |
| 31.    | 30·7                      | 43·4           | 35·3           | 36·3         | 12·7            | 58·5                 | 62·32             | 49·27     | 436·956                                               |
| Mittel | 34·3                      | 45·3           | 37·5           | 39·0         | 10·9            | 57·9                 | 62·79             | 50·63     | 436·960                                               |

Die mittlere magnetische Declination in Klagenfurt war 9° 39', mit dem Maximum 9° 44·0' am 4. und dem Minimum 9° 35·7' am 29.

Die Tagesvariation betrug im Mittel 10·9', mit dem Maximum 17·4' am 30. und dem Minimum 3·3' am 8.

Am 16. morgens war eine Störung.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 22.9                    | 23.8           | 24.8           | 23.8   | + 3.4           | 11.5                | 12.4           | 10.2           | 11.4   | + 0.8           | 10             | 7              | —                 |
| 2.     | 26.8                    | 25.2           | 26.0           | 26.1   | + 6.7           | 8.7                 | 16.6           | 10.5           | 11.9   | + 1.3           | 8              | 8              | 53.8              |
| 3.     | 25.8                    | 23.4           | 24.6           | 24.6   | + 4.2           | 8.2                 | 17.4           | 10.8           | 12.1   | + 1.3           | 7              | 8              | 3.4               |
| 4.     | 25.4                    | 24.2           | 25.6           | 25.1   | + 5.6           | 7.4                 | 17.8           | 11.6           | 12.3   | + 1.4           | 9              | 11             | 56.5              |
| 5.     | 27.0                    | 24.9           | 27.2           | 26.4   | + 5.9           | 8.4                 | 12.4           | 5.5            | 8.8    | - 2.5           | 10             | 9              | 3.4               |
| 6.     | 26.4                    | 24.7           | 25.2           | 25.4   | + 4.9           | 1.4                 | 8.8            | 4.2            | 4.8    | - 6.9           | 10             | 5              | 11.5              |
| 7.     | 23.3                    | 21.4           | 22.8           | 22.5   | + 1.9           | 2.7                 | 7.5            | 3.5            | 4.5    | - 7.7           | 8              | 8              | 14.8              |
| 8.     | 21.8                    | 20.9           | 22.5           | 21.7   | + 1.1           | 2.6                 | 7.4            | 6.6            | 5.5    | - 7.2           | 9              | 14             | —                 |
| 9.     | 25.3                    | 25.8           | 26.9           | 26.0   | + 5.4           | 8.3                 | 16.2           | 12.4           | 12.3   | - 0.8           | 10             | 9              | 63.1              |
| 10.    | 27.4                    | 25.3           | 24.4           | 25.7   | + 5.0           | 7.4                 | 16.2           | 11.3           | 11.6   | - 1.8           | 10             | 7              | 9.3               |
| 11.    | 23.9                    | 22.5           | 22.0           | 22.8   | + 2.1           | 11.4                | 18.5           | 13.5           | 14.5   | + 0.8           | 9              | 7              | 34.7              |
| 12.    | 22.1                    | 22.4           | 22.9           | 22.5   | + 1.8           | 8.8                 | 10.2           | 8.7            | 9.2    | - 4.6           | 10             | 12             | —                 |
| 13.    | 23.7                    | 23.7           | 24.9           | 24.1   | + 3.3           | 8.4                 | 17.5           | 12.7           | 12.9   | - 1.0           | 10             | 13             | 57.6              |
| 14.    | 26.9                    | 26.1           | 25.7           | 26.2   | + 5.4           | 10.8                | 20.0           | 13.5           | 14.8   | + 1.0           | 9              | 4              | 22.1              |
| 15.    | 25.0                    | 21.0           | 19.9           | 21.9   | + 1.1           | 10.0                | 22.4           | 19.2           | 17.2   | + 3.4           | 9              | 7              | 90.1              |
| 16.    | 20.4                    | 20.0           | 21.1           | 20.5   | - 0.4           | 16.2                | 20.8           | 14.9           | 17.3   | + 3.4           | 3              | 5              | 45.7              |
| 17.    | 21.3                    | 18.6           | 18.2           | 19.4   | - 1.5           | 12.6                | 23.4           | 17.6           | 17.9   | + 3.9           | 8              | 7              | 61.1              |
| 18.    | 19.4                    | 19.1           | 19.6           | 19.4   | - 1.5           | 14.5                | 24.4           | 16.6           | 18.5   | + 4.5           | 9              | 9              | 30.7              |
| 19.    | 19.8                    | 18.8           | 19.2           | 19.3   | - 1.3           | 17.9                | 22.4           | 16.6           | 19.0   | + 4.8           | 8              | 9              | 46.7              |
| 20.    | 19.7                    | 20.2           | 20.2           | 20.0   | - 1.0           | 13.8                | 18.2           | 13.4           | 15.1   | + 0.8           | 10             | 12             | 22.1              |
| 21.    | 21.2                    | 19.2           | 19.4           | 19.9   | - 1.1           | 11.3                | 22.1           | 15.7           | 16.4   | + 1.9           | 8              | 5              | 49.3              |
| 22.    | 20.2                    | 19.6           | 20.2           | 20.2   | - 0.8           | 12.5                | 23.6           | 18.6           | 18.2   | + 3.5           | 7              | 5              | 77.3              |
| 23.    | 22.0                    | 21.4           | 21.2           | 21.5   | + 0.4           | 13.7                | 21.4           | 15.5           | 16.9   | + 2.0           | 5              | 6              | 16.1              |
| 24.    | 21.4                    | 20.4           | 19.5           | 20.4   | - 0.7           | 13.8                | 22.0           | 15.7           | 17.2   | + 2.1           | 10             | 8              | 55.5              |
| 25.    | 20.2                    | 20.3           | 21.6           | 20.7   | - 0.5           | 13.2                | 18.4           | 15.2           | 15.6   | + 0.2           | 9              | 11             | —                 |
| 26.    | 22.6                    | 22.1           | 22.1           | 22.3   | + 1.1           | 14.5                | 19.2           | 14.4           | 16.0   | + 0.4           | 8              | 9              | 48.7              |
| 27.    | 21.4                    | 19.7           | 21.7           | 20.9   | - 0.3           | 10.4                | 18.0           | 11.0           | 13.1   | - 2.8           | 9              | 12             | 11.5              |
| 28.    | 22.2                    | 21.5           | 22.4           | 22.0   | + 0.7           | 10.9                | 17.1           | 13.0           | 13.7   | - 2.2           | 9              | 6              | 44.9              |
| 29.    | 22.0                    | 20.7           | 20.8           | 21.2   | - 0.1           | 11.3                | 17.4           | 14.0           | 14.2   | - 2.0           | 8              | 10             | 47.8              |
| 30.    | 21.8                    | 20.0           | 19.7           | 20.5   | - 0.8           | 13.5                | 20.8           | 13.7           | 16.0   | - 0.4           | 8              | 8              | 56.0              |
| 31.    | 19.2                    | 17.3           | 19.2           | 18.6   | - 2.7           | 12.9                | 21.2           | 12.2           | 15.4   | - 1.2           | 3              | 4              | 32.9              |
| Mittel | 22.85                   | 21.76          | 22.29          | 22.30  | +1.52           | 10.61               | 17.79          | 12.65          | 13.69  | -0.15           | 8.4            | 8.2            | 36.34             |

Am 6. Neuschnee auf den Höhen.



# im Mai 1893.

Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 8.7                      | 8.0            | 8.3            | 8.3    | 87                                    | 74             | 90             | 84     | 5                            | 10             | 6              | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | 2.8               |            |
| 6.9                      | 5.9            | 7.7            | 6.8    | 93                                    | 42             | 81             | 72     | 9                            | 5              | 0              | 5      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> |                   |            |
| 6.5                      | 7.4            | 8.3            | 4.1    | 81                                    | 51             | 87             | 73     | 9                            | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | 4.0               | ↖          |
| 6.8                      | 8.0            | 5.3            | 6.7    | 89                                    | 53             | 52             | 65     | 10                           | 4              | 1              | 5      | NE <sup>1</sup>            | NE <sup>3</sup> | NE <sup>1</sup> |                   |            |
| 4.0                      | 4.0            | 5.2            | 4.4    | 49                                    | 38             | 77             | 55     | 9                            | 10             | 1              | 7      | NE <sup>1</sup>            | NE <sup>3</sup> | NW <sup>1</sup> | 1.1               |            |
| 4.4                      | 2.8            | 3.3            | 3.5    | 87                                    | 38             | 54             | 60     | 10                           | 10             | 10             | 10     | W <sup>1</sup>             | NW <sup>2</sup> | NW <sup>1</sup> |                   |            |
| 3.5                      | 3.6            | 4.7            | 3.9    | 62                                    | 47             | 80             | 63     | 7                            | 10             | 0              | 6      | NE <sup>1</sup>            | NE <sup>4</sup> | NE <sup>1</sup> |                   |            |
| 4.5                      | 6.4            | 6.5            | 5.8    | 80                                    | 83             | 90             | 84     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | SE <sup>1</sup> | 4.3               |            |
| 5.9                      | 6.4            | 5.8            | 6.0    | 73                                    | 47             | 54             | 58     | 10                           | 8              | 2              | 7      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>4</sup> |                   |            |
| 5.8                      | 6.2            | 7.0            | 6.3    | 76                                    | 45             | 70             | 64     | 10                           | 6              | 3              | 6      | NW <sup>1</sup>            | SW <sup>2</sup> | NE <sup>1</sup> |                   |            |
| 7.4                      | 7.2            | 9.0            | 7.9    | 73                                    | 46             | 79             | 66     | 6                            | 9              | 10             | 8      | SW <sup>1</sup>            | SW <sup>2</sup> | SE <sup>1</sup> |                   |            |
| 7.9                      | 7.4            | 7.6            | 7.6    | 93                                    | 79             | 91             | 88     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | 10.0              |            |
| 7.2                      | 5.6            | 6.7            | 6.5    | 88                                    | 38             | 61             | 62     | 7                            | 5              | 9              | 7      | NW <sup>1</sup>            | NW <sup>3</sup> | NE <sup>1</sup> | 24.4              | —          |
| 6.3                      | 6.6            | 8.1            | 7.0    | 65                                    | 38             | 71             | 58     | 4                            | 3              | 0              | 2      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> |                   |            |
| 6.8                      | 8.2            | 7.7            | 7.6    | 74                                    | 41             | 47             | 54     | 0                            | 1              | 7              | 3      | E <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> |                   |            |
| 9.8                      | 9.5            | 9.9            | 9.7    | 71                                    | 51             | 78             | 67     | 5                            | 9              | 2              | 5      | E <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> |                   |            |
| 9.4                      | 8.7            | 8.2            | 8.8    | 88                                    | 40             | 55             | 61     | 9                            | 4              | 0              | 4      | W <sup>1</sup>             | NW <sup>2</sup> | NE <sup>1</sup> |                   |            |
| 8.2                      | 8.8            | 7.7            | 8.2    | 66                                    | 39             | 55             | 53     | 5                            | 8              | 10             | 8      | NW <sup>1</sup>            | NW <sup>4</sup> | E <sup>1</sup>  |                   |            |
| 9.3                      | 9.2            | 8.5            | 9.0    | 61                                    | 46             | 60             | 56     | 4                            | 8              | 9              | 7      | NE <sup>1</sup>            | NE <sup>2</sup> | SW <sup>1</sup> | 4.0               |            |
| 9.8                      | 9.1            | 9.7            | 9.5    | 84                                    | 58             | 86             | 76     | 10                           | 5              | 0              | 5      | SW <sup>1</sup>            | SW <sup>2</sup> | NE <sup>1</sup> | 2.1               | ↖          |
| 7.9                      | 10.7           | 9.0            | 9.2    | 79                                    | 54             | 67             | 67     | 3                            | 9              | 0              | 4      | NE <sup>1</sup>            | SW <sup>2</sup> | SW <sup>1</sup> |                   |            |
| 8.6                      | 10.1           | 10.1           | 9.6    | 81                                    | 47             | 63             | 64     | 0                            | 5              | 7              | 4      | NE <sup>1</sup>            | NE <sup>2</sup> | NW <sup>1</sup> |                   |            |
| 8.7                      | 11.3           | 11.6           | 10.5   | 74                                    | 60             | 88             | 74     | 6                            | 10             | 10             | 9      | SW <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | 9.6               | ↖          |
| 10.2                     | 11.4           | 12.2           | 11.3   | 87                                    | 58             | 77             | 74     | 9                            | 5              | 2              | 5      | NW <sup>1</sup>            | NW <sup>3</sup> | NW <sup>1</sup> |                   |            |
| 10.2                     | 11.2           | 8.9            | 10.1   | 91                                    | 71             | 69             | 77     | 10                           | 10             | 10             | 10     | W <sup>1</sup>             | NW <sup>1</sup> | SE <sup>1</sup> | 3.6               |            |
| 9.9                      | 11.3           | 9.0            | 10.1   | 81                                    | 68             | 74             | 74     | 5                            | 10             | 4              | 6      | NW <sup>1</sup>            | SW <sup>1</sup> | NW <sup>1</sup> | 2.5               |            |
| 8.2                      | 10.9           | 8.7            | 9.3    | 88                                    | 71             | 89             | 83     | 10                           | 8              | 9              | 9      | W <sup>1</sup>             | SW <sup>1</sup> | NW <sup>1</sup> | 4.4               | ↖          |
| 8.4                      | 9.7            | 8.7            | 8.9    | 87                                    | 67             | 78             | 77     | 3                            | 8              | 10             | 7      | NE <sup>1</sup>            | NE <sup>3</sup> | SE <sup>1</sup> |                   |            |
| 8.6                      | 11.0           | 9.6            | 9.7    | 87                                    | 74             | 81             | 81     | 10                           | 8              | 9              | 9      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>2</sup> |                   |            |
| 10.1                     | 12.7           | 10.3           | 11.0   | 88                                    | 70             | 89             | 82     | 7                            | 8              | 1              | 5      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 4.0               |            |
| 10.0                     | 14.0           | 8.5            | 10.8   | 91                                    | 75             | 71             | 79     | 7                            | 8              | 10             | 8      | NE <sup>1</sup>            | SW <sup>2</sup> | NW <sup>2</sup> | 2.4               |            |
| 7.74                     | 8.49           | 8.12           | 8.12   | 79.9                                  | 55.1           | 72.8           | 69.2   | 7.1                          | 7.6            | 5.5            | 6.7    | 1.0                        | 2.0             | 1.2             | 79.2              |            |

### Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.760 Meter |
| Seelandbrunnen                  | 436.960       |
| Friedhofbrunnen                 | 436.662       |
| Maschinengewerbliche Fachschule | 435.890       |
| Wörtherseespiegel.              | 441.194       |
| Höchster Pegelstand am 31.      | 441.233       |
| Tiefster „ „ 2., 7. 9.,         | 441.160       |

☞ Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m). Maximum am 25., 26. 426.340, Minimum am 10.—17. 425.890 und im Monate April Mittel 425.960 Meter Maximum am 29., 30. 426.150, Minimum 1.—5., 14.—20. 425.890.

Vorläufige Uebersicht der Witterung in Kärnten im Mai 1893 vom Central-Observatorium in Wien.

| Stationen       | Seehöhe<br>Meter | Luftdruck in Millimeter |       |               |     | Luftwärme in Celsius ° |         |     |               | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |       |                    | Tage |        |           | darunter mit |                   |        |       |          |       |          |    |
|-----------------|------------------|-------------------------|-------|---------------|-----|------------------------|---------|-----|---------------|-----------------------|------------------------|-----------|---------------------------|--------------|-------|--------------------|------|--------|-----------|--------------|-------------------|--------|-------|----------|-------|----------|----|
|                 |                  | Grösster                | am    | Klein-<br>st. | am  | Mittel                 | Grösste | am  | Klein-<br>ste |                       |                        |           |                           | Mittel       | Summe | Grösster<br>in 24h | am   | heiter | h. heiter | trüb         | Nieder-<br>schlag | Schnee | Fogel | Gewitter | Sturm |          |    |
|                 |                  |                         |       |               |     |                        |         |     |               |                       |                        |           |                           |              |       |                    |      |        |           |              |                   |        |       |          |       | Grösster | am |
| Klagenfurt I    | 448              | 727.4                   | 10.   | 717.3         | 31. | 722.3                  | 24.4    | 18. | 1.4           | 6.                    | 13.4                   | 8.1       | 69                        | 6.7          | NE    | 79                 | 34   | 12.    | 2         | 12           | 17                | 14     | 0     | 0        | 5     | 0        |    |
| dto. II         | 504              | —                       | —     | —             | —   | —                      | 25.0    | 22. | 2.2           | 8.                    | 13.5                   | —         | —                         | 7.5          | SW    | —                  | —    | —      | 3         | 3            | 25                | 14     | 0     | 0        | 5     | 0        |    |
| Kappel a. d. Dr | 441              | —                       | —     | —             | —   | —                      | 26.0    | 15. | 2.0           | 7.                    | 12.9                   | —         | —                         | 6.9          | NE    | 84                 | 17   | 12.    | 4         | 10           | 17                | 13     | 0     | 1        | 1     | 0        |    |
| Saager .        | 486              | —                       | —     | —             | —   | —                      | 25.0    | 18. | 1.6           | 8.                    | 13.1                   | —         | —                         | —            | —     | 87                 | 18   | 12.    | —         | —            | —                 | 14     | 0     | 0        | 0     | 0        |    |
| St. Michael     | 495              | —                       | —     | —             | —   | —                      | 26.0    | 19. | 0.0           | 6.                    | 12.6                   | —         | —                         | 6.6          | SW    | 70                 | 18   | 31.    | 7         | 4            | 20                | 10     | 0     | 0        | 3     | 11       |    |
| Unterdrauburg   | 343              | —                       | —     | —             | —   | —                      | 25.8    | 17. | 2.4           | 8.                    | 12.9                   | —         | —                         | 4.5          | W     | 99                 | 28   | 81.    | 16        | 4            | 11                | 13     | 0     | 0        | 1     | 0        |    |
| Liescha         | 552              | 718.7                   | 5.    | 708.6         | 31. | 713.6                  | 25.7    | 17. | 1.5           | 8.                    | 11.9                   | —         | —                         | 6.5          | W     | 84                 | 21   | 31.    | 3         | 12           | 16                | 11     | 0     | 0        | 5     | 0        |    |
| Bad Vellach .   | 843              | —                       | —     | —             | —   | —                      | 21.4    | 15. | 0.0           | 6.                    | 9.9                    | —         | —                         | —            | —     | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  |
| Eisenkappel .   | 554              | —                       | —     | —             | —   | —                      | 26.4    | 17. | 0.6           | 1.                    | 13.4                   | —         | —                         | —            | —     | 108                | 15   | 23.    | —         | —            | —                 | 17     | 0     | 0        | 0     | 0        |    |
| Obir .          | 2047             | 599.6                   | 14.   | 590.0         | 8.  | 595.3                  | 12.6    | 22. | -10.0         | 5.                    | 1.2                    | 4.7       | 91                        | 6.5          | W     | 136                | 24   | 8.     | 5         | 9            | 17                | 22     | 13    | 1        | 2     | 1        |    |
| St. Andrä       | 432              | 731.5                   | 9.    | 721.0         | 31. | 726.4                  | 27.0    | 17. | -0.4          | 8.                    | 11.9                   | 7.6       | 72                        | 6.6          | SE    | 64                 | 12   | 23.    | 4         | 11           | 16                | 16     | 3     | 2        | 6     | 2        |    |
| St. Paul        | 394              | 730.5                   | 5.10. | 719.9         | 31  | 725.3                  | 24.8    | 17. | -0.4          | 8.                    | 12.8                   | 7.7       | 69                        | —            | —     | 71                 | 14   | 23.    | —         | —            | —                 | 15     | 3     | 0        | 1     | —        |    |
| Stelzing        | 1410             | —                       | —     | —             | —   | —                      | 16.8    | 17. | -5.2          | 7.                    | 6.0                    | —         | —                         | 7.3          | W     | —                  | —    | —      | 1         | 9            | 21                | —      | —     | —        | —     | —        | —  |
| Knappenberg     | 1045             | —                       | —     | —             | —   | —                      | 20.2    | 15. | -1.2          | 6.                    | 8.8                    | 6.2       | 72                        | 4.3          | SW    | 68                 | 12   | 9.     | 12        | 16           | 2                 | 16     | 3     | 1        | 5     | 0        |    |
| Hüttenberg      | 783              | 698.9                   | 5.    | 689.3         | 31. | 693.4                  | 23.4    | 18. | 0.2           | 6.                    | 11.2                   | —         | —                         | 5.2          | W     | 62                 | 18   | 12.    | 5         | 16           | 10                | 13     | 0     | 0        | 0     | 2        |    |
| Guttaring .     | 642              | —                       | —     | —             | —   | —                      | 22.1    | 23. | -7.5          | 9.                    | 10.2                   | —         | —                         | 5.4          | W     | 95                 | 31   | 13.    | 9         | 9            | 13                | 11     | 2     | 0        | 0     | 0        |    |
| Eberstein .     | 640              | —                       | —     | —             | —   | —                      | 22.0    | 15. | -1.4          | 8.                    | 11.4                   | —         | —                         | 5.2          | E     | 69                 | 20   | 12.    | —         | —            | —                 | 11     | 2     | 0        | 3     | 2        |    |
| Spittal a. D.   | 554              | 717.7                   | 6.    | 707.4         | 31. | 712.7                  | 25.8    | 15. | -1.0          | 8.                    | 11.9                   | 7.0       | 67                        | 7.0          | SE    | 51                 | 17   | 11.    | 1         | 11           | 19                | 13     | 0     | 0        | 1     | 2        |    |
| St. Walburgen   | 528              | —                       | —     | —             | —   | —                      | 17.7    | 23. | 0.4           | 8.                    | 11.8                   | —         | —                         | —            | —     | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  |
| Pörtschach .    | 464              | —                       | —     | —             | —   | —                      | 24.0    | 23. | 2.0           | 8.                    | 12.8                   | —         | —                         | —            | —     | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  |
| Radweg          | 692              | —                       | —     | —             | —   | —                      | 23.0    | 18. | -1.0          | 7.                    | 11.9                   | —         | —                         | 6.9          | W     | 79                 | 14   | 31.    | 4         | 6            | 21                | 14     | 0     | 0        | 6     | 11       |    |
| Sirnitz .       | 800              | —                       | —     | —             | —   | —                      | 21.4    | 24. | -1.3          | 8.                    | 9.3                    | —         | —                         | 6.5          | SW    | —                  | —    | —      | 3         | 9            | 19                | 15     | 3     | 1        | 1     | 11       |    |
| Reichenau .     | 1059             | —                       | —     | —             | —   | —                      | 17.4    | 21. | -0.4          | 6.                    | 9.2                    | —         | —                         | 6.8          | —     | 20                 | 8    | 24.    | —         | —            | —                 | 18     | 0     | 0        | 0     | 0        |    |
| Bad Villach .   | 488              | —                       | —     | —             | —   | —                      | 23.4    | 15. | 1.2           | 8.                    | 12.4                   | —         | —                         | —            | —     | —                  | —    | —      | —         | —            | —                 | —      | —     | —        | —     | —        | —  |
| St. Peter i. K. | 1217             | —                       | —     | —             | —   | —                      | 19.8    | 15. | -2.0          | 6.                    | 8.2                    | —         | —                         | 6.9          | N     | 73                 | 18   | 11.    | 1         | 11           | 19                | 13     | 1     | 0        | 0     | 0        | 0  |
| Raibl .         | 981              | —                       | —     | —             | —   | —                      | 20.2    | 15. | 2.2           | 8.                    | 8.9                    | —         | —                         | 6.3          | NW    | 145                | 33   | 31.    | 6         | 10           | 15                | 15     | 3     | 0        | 3     | 0        | 0  |
| Radenthein .    | 738              | —                       | —     | —             | —   | —                      | 22.6    | 17. | -1.2          | 8.                    | 11.5                   | —         | —                         | 6.6          | —     | 87                 | 23   | 11.23. | 5         | 8            | 19                | 16     | 1     | 0        | 2     | 0        | 0  |
| Oberdrauburg    | 610              | —                       | —     | —             | —   | —                      | 26.0    | 15. | 2.2           | 8.                    | 11.9                   | —         | —                         | 6.1          | NW    | 82                 | 22   | 23     | —         | —            | —                 | 14     | 0     | 0        | 1     | 1        |    |
| Grofenburg .    | 528              | —                       | —     | —             | —   | —                      | 24.0    | 15. | 1.6           | 18.                   | 12.5                   | —         | —                         | 6.7          | E     | 75                 | 29   | 23     | 3         | 5            | 23                | 7      | 0     | 0        | 0     | 0        | 0  |
| W. Bleiberg .   | 948              | —                       | —     | —             | —   | —                      | 20.1    | 21. | 1.2           | 6.                    | 10.3                   | —         | —                         | 5.2          | —     | 125                | 26   | 12.    | —         | —            | —                 | 11     | 3     | 0        | 0     | 0        | 0  |
| Jauken .        | 2072             | —                       | —     | —             | —   | —                      | 13.0    | 17. | -10.0         | 7.                    | 2.6                    | —         | —                         | 5.4          | E     | 72                 | 24   | 11.    | 3         | 7            | 16                | 9      | 4     | 0        | 0     | 4        | 0  |
| Sonnblick .     | 3093             | 525.7                   | 14.   | 513.6         | 7.  | 520.8                  | 3.2     | 19. | -18.9         | 6.                    | —                      | 5.3       | —                         | 93           | 8.7   | NE                 | 196  | 23     | 5.        | 0            | 2                 | 29     | 26    | 23       | 0     | 0        | 10 |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

Juni

 von  
**F. Seeland.**

1893.

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              |                 | Min.                 | Minuten           |           |                                                       |
| 1.     | 34.0                      | 47.4           | 39.3           | 40.2         | 13.4            | 57.6                 | 61.82             | 50.67     | 436.956                                               |
| 2.     | 35.3                      | 44.0           | 36.0           | 38.4         | 8.7             | 57.0                 | 60.66             | 50.33     | 436.965                                               |
| 3.     | 34.0                      | 48.0           | 37.3           | 39.8         | 14.0            | 57.9                 | 63.31             | 51.67     | 436.968                                               |
| 4.     | 34.0                      | 48.7           | 37.3           | 40.0         | 14.7            | 57.1                 | 62.20             | 54.57     | 436.972                                               |
| 5.     | 38.0                      | 48.0           | 38.7           | 41.6         | 10.0            | 58.2                 | 63.72             | 57.17     | 436.976                                               |
| 6.     | 35.3                      | 48.0           | 40.6           | 41.3         | 13.7            | 58.2                 | 63.44             | 51.40     | 436.971                                               |
| 7.     | 37.3                      | 47.4           | 38.0           | 40.9         | 10.1            | 57.7                 | 62.94             | 49.03     | 436.976                                               |
| 8.     | 35.3                      | 45.4           | 40.0           | 40.2         | 10.1            | 57.2                 | 61.55             | 53.67     | 436.974                                               |
| 9.     | 34.6                      | 46.0           | 39.3           | 40.0         | 11.4            | 57.7                 | 61.42             | 50.33     | 436.968                                               |
| 10.    | 33.3                      | 45.4           | 40.0           | 39.9         | 12.1            | 57.1                 | 60.35             | 48.13     | 436.968                                               |
| 11.    | 35.3                      | 45.4           | 39.3           | 40.0         | 10.1            | 59.2                 | 69.69             | 51.63     | 436.963                                               |
| 12.    | 36.6                      | 45.4           | 39.3           | 40.4         | 8.8             | 57.9                 | 62.19             | 48.73     | 436.962                                               |
| 13.    | 33.3                      | 46.0           | 39.3           | 39.5         | 12.7            | 57.7                 | 61.77             | 48.07     | 436.976                                               |
| 14.    | 36.0                      | 45.4           | 40.0           | 40.5         | 9.4             | 58.2                 | 61.67             | 49.60     | 436.971                                               |
| 15.    | 39.3                      | 48.0           | 40.0           | 42.4         | 8.7             | 58.6                 | 59.70             | 49.77     | 436.966                                               |
| 16.    | 36.6                      | 49.4           | 38.0           | 41.3         | 12.8            | 59.2                 | 62.64             | 51.03     | 436.968                                               |
| 17.    | 36.0                      | 49.4           | 39.3           | 41.6         | 13.4            | 57.5                 | 60.01             | 49.57     | 436.974                                               |
| 18.    | 36.9                      | 49.4           | 39.3           | 41.6         | 13.4            | 57.9                 | 60.65             | 50.07     | 436.976                                               |
| 19.    | 42.7                      | 45.4           | 39.3           | 42.5         | 6.1             | 56.9                 | 62.12             | 46.17     | 436.968                                               |
| 20.    | 38.0                      | 45.4           | 39.3           | 40.2         | 8.1             | 58.3                 | 61.88             | 50.50     | 436.966                                               |
| 21.    | 33.3                      | 49.4           | 40.0           | 40.9         | 16.1            | 57.4                 | 61.59             | 48.13     | 436.966                                               |
| 22.    | 36.6                      | 45.4           | 38.0           | 40.0         | 8.8             | 58.1                 | 61.86             | 49.30     | 436.956                                               |
| 23.    | 36.0                      | 44.0           | 40.0           | 40.0         | 8.0             | 58.0                 | 61.08             | 49.30     | 436.954                                               |
| 24.    | 34.0                      | 46.0           | 40.0           | 40.0         | 12.0            | 58.0                 | 61.27             | 49.43     | 436.951                                               |
| 25.    | 36.0                      | 46.7           | 40.0           | 40.9         | 10.7            | 57.9                 | 62.39             | 49.50     | 436.966                                               |
| 26.    | 34.6                      | 48.0           | 38.7           | 40.4         | 13.4            | 57.2                 | 61.69             | 49.60     | 436.991                                               |
| 27.    | 34.0                      | 49.4           | 39.3           | 40.9         | 15.4            | 57.5                 | 62.79             | 49.13     | 436.971                                               |
| 28.    | 34.0                      | 50.0           | 33.3           | 39.1         | 16.0            | 57.5                 | 60.89             | 48.93     | 436.966                                               |
| 29.    | 35.3                      | 44.0           | 38.0           | 39.1         | 8.7             | 57.8                 | 60.14             | 49.90     | 436.963                                               |
| 30.    | 34.0                      | 47.4           | 40.6           | 40.7         | 13.4            | 57.1                 | 58.98             | 48.60     | 436.966                                               |
| Mittel | 35.6                      | 46.9           | 38.8           | 40.4         | 11.5            | 57.9                 | 61.55             | 49.93     | 436.969                                               |

Die mittlere magnetische Declination in Klagenfurt war 9° 40'4", mit dem Maximum 9° 42'5" am 19. und dem Minimum 9° 38'4" am 2.

Die Tagesvariation betrug im Mittel 11'5", mit dem Maximum 16'0" am 28. und dem Minimum 6'1" am 19.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sommenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 18.6                    | 19.7           | 21.4           | 19.9   | - 1.5           | 11.9                | 13.0           | 10.2           | 11.7   | - 5.2           | 9              | 7              |                   |
| 2.     | 21.4                    | 19.8           | 19.3           | 20.1   | - 1.3           | 9.5                 | 15.2           | 11.3           | 12.0   | - 5.1           | 8              | 7              |                   |
| 3.     | 16.3                    | 15.6           | 19.4           | 17.1   | - 4.3           | 10.7                | 14.3           | 12.1           | 12.4   | - 4.8           | 8              | 6              |                   |
| 4.     | 21.4                    | 21.9           | 24.0           | 22.4   | + 0.9           | 11.8                | 21.0           | 17.1           | 16.6   | - 0.7           | 8              | 5              | 60.8              |
| 5.     | 24.9                    | 24.4           | 24.9           | 24.7   | + 3.2           | 13.4                | 20.0           | 14.2           | 15.9   | - 1.5           | 9              | 8              | 31.4              |
| 6.     | 24.1                    | 22.7           | 24.0           | 23.6   | + 2.0           | 13.4                | 19.4           | 15.4           | 16.1   | - 1.3           | 9              | 11             | 64.2              |
| 7.     | 23.8                    | 23.7           | 25.1           | 24.2   | + 2.6           | 12.8                | 17.8           | 13.3           | 14.6   | - 2.9           | 9              | 11             |                   |
| 8.     | 25.3                    | 24.7           | 24.4           | 24.8   | + 3.2           | 13.5                | 21.7           | 17.1           | 17.4   | + 0.1           | 8              | 10             | 28.3              |
| 9.     | 25.3                    | 23.2           | 23.9           | 24.1   | + 2.5           | 15.1                | 23.2           | 17.1           | 18.5   | + 1.0           | 9              | 8              | 61.0              |
| 10.    | 24.8                    | 24.3           | 24.2           | 24.4   | + 2.8           | 14.0                | 16.2           | 14.9           | 15.0   | - 2.5           | 13             | 5              | 18.9              |
| 11.    | 24.0                    | 21.7           | 22.4           | 22.7   | + 1.0           | 15.4                | 21.0           | 14.7           | 17.0   | - 0.5           | 11             | 5              | 43.1              |
| 12.    | 22.4                    | 21.5           | 22.3           | 22.1   | + 0.4           | 13.2                | 13.4           | 12.3           | 13.0   | - 4.5           | 9              | 6              | 25.6              |
| 13.    | 22.2                    | 20.3           | 22.2           | 21.6   | - 0.1           | 11.4                | 20.8           | 12.1           | 14.8   | - 2.6           | 10             | 11             | 36.9              |
| 14.    | 22.0                    | 20.7           | 20.7           | 21.1   | - 0.7           | 12.8                | 22.6           | 16.6           | 17.3   | - 0.1           | 12             | 8              | 65.0              |
| 15.    | 21.6                    | 19.6           | 22.3           | 21.2   | - 0.6           | 15.8                | 22.8           | 12.9           | 17.2   | - 0.2           | 10             | 12             | 64.4              |
| 16.    | 23.1                    | 22.5           | 24.2           | 23.3   | + 2.0           | 13.3                | 21.6           | 14.8           | 16.6   | - 0.8           | 10             | 9              | 28.1              |
| 17.    | 26.9                    | 27.1           | 28.3           | 27.8   | + 6.0           | 13.7                | 23.0           | 16.2           | 17.6   | + 0.2           | 12             | 12             | 65.6              |
| 18.    | 30.0                    | 27.1           | 25.5           | 27.5   | + 5.7           | 14.9                | 25.0           | 17.8           | 19.2   | + 1.6           | 10             | 8              | 92.5              |
| 19.    | 25.3                    | 21.7           | 19.7           | 22.2   | + 0.3           | 17.5                | 23.3           | 21.3           | 22.4   | + 4.6           | 12             | 6              | 91.9              |
| 20.    | 18.4                    | 14.7           | 14.0           | 15.7   | - 6.2           | 19.5                | 28.4           | 20.8           | 22.9   | + 5.0           | 9              | 7              | 80.5              |
| 21.    | 14.2                    | 12.3           | 15.6           | 14.0   | - 7.9           | 19.6                | 25.2           | 16.5           | 20.4   | + 2.4           | 12             | 9              | 56.2              |
| 22.    | 18.0                    | 16.7           | 17.7           | 17.5   | - 4.4           | 16.9                | 22.8           | 17.1           | 18.0   | - 0.2           | 9              | 7              | 83.8              |
| 23.    | 17.7                    | 15.7           | 15.2           | 16.2   | - 5.8           | 15.6                | 25.3           | 18.4           | 19.8   | + 0.4           | 8              | 9              | 25.0              |
| 24.    | 13.9                    | 14.8           | 16.0           | 14.9   | - 6.1           | 16.5                | 16.4           | 15.8           | 16.2   | - 2.1           | 10             | 13             |                   |
| 25.    | 20.3                    | 21.2           | 23.2           | 21.6   | - 0.4           | 12.2                | 15.0           | 13.8           | 13.7   | - 4.7           | 10             | 12             | 41.2              |
| 26.    | 24.1                    | 22.2           | 22.0           | 22.8   | + 0.8           | 13.1                | 21.8           | 17.3           | 17.4   | - 1.0           | 8              | 8              | 70.1              |
| 27.    | 23.0                    | 22.0           | 22.9           | 22.6   | + 0.6           | 17.4                | 24.8           | 18.9           | 20.4   | + 2.0           | 7              | 8              | 47.5              |
| 28.    | 24.2                    | 22.2           | 21.8           | 22.7   | + 0.7           | 19.0                | 27.6           | 21.9           | 22.8   | + 4.5           | 7              | 8              | 89.6              |
| 29.    | 23.0                    | 21.6           | 24.9           | 23.2   | + 1.2           | 20.0                | 26.9           | 16.3           | 21.1   | + 2.9           | 7              | 12             | 54.4              |
| 30.    | 25.3                    | 23.7           | 24.9           | 24.6   | + 2.5           | 17.4                | 26.2           | 19.3           | 21.0   | + 2.8           | 7              | 9              | 62.5              |
| Mittel | 22.17                   | 20.98          | 21.88          | 21.69  | +0.02           | 14.71               | 21.36          | 15.92          | 17.33  | -0.34           | 9.3            | 8.6            | 46.28             |

8.9

Am 15. 4h, 7h s. m. Sturm, Gewitter aus NW und Regen. Der Sturm brach die Pappel im botanischen Garten, die im Falle das Glashaus ruinierte. — Am 16. Gewitter aus NE um 5h Abends. — Am 18. Wörthersee 22° C. Temperatur, am 21. Wörthersee 24° C. Temperatur. — Am 25. hat sich die Schneelinie bis 1800 m Seehöhe gesenkt.

im Juni 1893.

Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 9.5                      | 10.2           | 8.2            | 9.3    | 93                                    | 93             | 89             | 92     | 10.                          | 10.            | 10.            | 10     | SW <sup>1</sup>            | NE <sup>2</sup> | NW <sup>1</sup> | 30.1              |            |
| 7.6                      | 10.9           | 9.1            | 9.2    | 87                                    | 85             | 92             | 88     | 10                           | 10             | 10.            | 10     | N <sup>1</sup>             | NE <sup>1</sup> | SE <sup>1</sup> | 4.3               |            |
| 9.0                      | 11.0           | 8.3            | 9.4    | 94                                    | 92             | 79             | 88     | 10.                          | 10.            | 10             | 10     | SE <sup>1</sup>            | SE <sup>1</sup> | NW <sup>1</sup> | 12.2              |            |
| 9.2                      | 12.9           | 11.3           | 11.1   | 90                                    | 70             | 78             | 79     | 2                            | 4              | 10             | 5      | NE <sup>1</sup>            | NW <sup>2</sup> | NW <sup>3</sup> |                   |            |
| 9.9                      | 12.6           | 10.0           | 10.8   | 87                                    | 72             | 84             | 81     | 9                            | 8              | 3              | 7      | SE <sup>1</sup>            | NE <sup>4</sup> | NE <sup>1</sup> |                   |            |
| 10.4                     | 13.3           | 10.4           | 11.4   | 91                                    | 79             | 80             | 83     | 3                            | 8              | 9              | 7      | W <sup>1</sup>             | NE <sup>3</sup> | NW <sup>1</sup> |                   |            |
| 9.6                      | 11.9           | 10.3           | 10.6   | 88                                    | 78             | 91             | 86     | 10                           | 10.            | 10             | 10     | W <sup>1</sup>             | NW <sup>2</sup> | NW <sup>1</sup> | 0.9               |            |
| 10.1                     | 15.0           | 12.6           | 12.6   | 88                                    | 78             | 87             | 84     | 10                           | 5              | 10             | 8      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | Spur              |            |
| 11.5                     | 16.1           | 12.7           | 13.4   | 90                                    | 77             | 88             | 85     | 2                            | 4              | 10             | 5      | NE <sup>1</sup>            | NE <sup>1</sup> | E <sup>1</sup>  |                   |            |
| 11.6                     | 12.5           | 11.8           | 12.0   | 98                                    | 91             | 93             | 94     | 8                            | 10.            | 10             | 9      | NW <sup>1</sup>            | NW <sup>1</sup> | SE <sup>1</sup> | 1.0               |            |
| 12.0                     | 14.9           | 11.3           | 12.7   | 92                                    | 81             | 91             | 88     | 3                            | 5              | 10             | 6      | SE <sup>1</sup>            | SW <sup>4</sup> | SW <sup>1</sup> | 0.3               |            |
| 10.8                     | 10.9           | 9.8            | 10.5   | 96                                    | 96             | 93             | 95     | 0                            | 10.            | 10             | 7      | NE <sup>1</sup>            | SE <sup>2</sup> | SE <sup>1</sup> | 18.5              | ⊠          |
| 9.3                      | 14.3           | 10.1           | 11.2   | 93                                    | 78             | 97             | 89     | 7                            | 8              | 10.            | 8      | NW <sup>1</sup>            | SW <sup>2</sup> | SW <sup>1</sup> | 4.1               |            |
| 10.2                     | 16.5           | 12.2           | 13.0   | 94                                    | 81             | 86             | 87     | 7                            | 4              | 1              | 4      | NW <sup>1</sup>            | NW <sup>2</sup> | NW <sup>1</sup> |                   |            |
| 12.8                     | 17.0           | 10.8           | 13.5   | 96                                    | 83             | 98             | 92     | 0                            | 4              | 9.             | 4      | SE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | 18.6              | ⊠          |
| 10.6                     | 16.1           | 12.0           | 12.9   | 94                                    | 84             | 96             | 91     | 10                           | 6              | 9              | 8      | SE <sup>1</sup>            | NW <sup>1</sup> | SE <sup>1</sup> | 7.4               | ⊠          |
| 11.0                     | 16.6           | 12.2           | 13.3   | 95                                    | 79             | 89             | 88     | 10                           | 3              | 0              | 4      | NW <sup>1</sup>            | SW <sup>2</sup> | N <sup>1</sup>  |                   |            |
| 11.9                     | 18.4           | 12.1           | 14.1   | 94                                    | 78             | 80             | 84     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> |                   |            |
| 14.3                     | 21.4           | 16.0           | 17.2   | 96                                    | 71             | 86             | 84     | 0                            | 1              | 1              | 1      | NW <sup>1</sup>            | SW <sup>2</sup> | NW <sup>1</sup> |                   |            |
| 16.0                     | 22.7           | 15.4           | 18.0   | 95                                    | 76             | 84             | 85     | 2                            | 2              | 5              | 3      | NW <sup>1</sup>            | SW <sup>5</sup> | SW <sup>1</sup> | <                 |            |
| 16.0                     | 20.2           | 13.1           | 16.4   | 94                                    | 84             | 94             | 91     | 5                            | 4              | 10.            | 6      | NW <sup>1</sup>            | NW <sup>3</sup> | SW <sup>1</sup> | Spur              |            |
| 13.4                     | 16.9           | 13.3           | 14.5   | 94                                    | 82             | 92             | 89     | 2                            | 3              | 2              | 2      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> |                   |            |
| 12.0                     | 20.2           | 14.3           | 15.5   | 91                                    | 84             | 91             | 89     | 8                            | 5              | 10             | 8      | NW <sup>1</sup>            | NE <sup>1</sup> | SW <sup>1</sup> |                   |            |
| 13.5                     | 12.7           | 12.5           | 12.9   | 97                                    | 92             | 93             | 94     | 10.                          | 10             | 10             | 10     | SW <sup>1</sup>            | SW <sup>1</sup> | NW <sup>1</sup> | 2.6               |            |
| 10.0                     | 11.4           | 10.4           | 10.6   | 95                                    | 90             | 90             | 92     | 10.                          | 4              | 1              | 5      | W <sup>1</sup>             | E <sup>1</sup>  | SW <sup>1</sup> | 40.4              |            |
| 10.3                     | 9.1            | 10.5           | 10.0   | 93                                    | 47             | 71             | 70     | 5                            | 5              | 10             | 7      | NE <sup>1</sup>            | SE <sup>2</sup> | NE <sup>1</sup> | 13.0              |            |
| 11.1                     | 17.4           | 13.9           | 14.1   | 75                                    | 75             | 86             | 79     | 5                            | 9              | 0              | 5      | SE <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> |                   |            |
| 13.0                     | 15.0           | 10.8           | 12.9   | 80                                    | 58             | 55             | 64     | 0                            | 2              | 0              | 1      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> |                   |            |
| 13.5                     | 13.8           | 13.5           | 13.6   | 78                                    | 53             | 98             | 76     | 0                            | 9              | 10.            | 6      | NW <sup>1</sup>            | NW <sup>3</sup> | NW <sup>1</sup> | 14.0              | ⊠          |
| 13.0                     | 11.0           | 12.6           | 12.2   | 88                                    | 44             | 75             | 69     | 7                            | 4              | 1              | 4      | NW <sup>2</sup>            | NW <sup>2</sup> | NW <sup>1</sup> | ⊠                 |            |
| 11.44                    | 14.74          | 11.72          | 12.63  | 91.2                                  | 77.7           | 86.9           | 85.2   | 5.5                          | 5.9            | 6.7            | 6.0    | 1.0                        | 1.9             | 1.1             | 167.4             |            |

Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.720 Meter |
| Seelandbrunnen                  | 436.969       |
| Friedhofbrunnen                 | 436.670       |
| Maschinengewerbliche Fachschule | 435.980       |
| Wörtherseepegel                 | 441.294       |
| Höchster Pegelstand am 25.      | 441.338       |
| Tiefster „ „ 1.                 | 441.258       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.470 Meter.  
 Maximum am 25. 427.080 Meter, Minimum am 9., 10. 425.230 Meter und im Monate April  
 Mittel 425.960 Meter, Maximum am 29., 30. 426.150, Minimum 1.—5., 14.—20. 425.890.

## Vorläufige Uebersicht der Witterung in Kärnten im J.

| Stationen       | Seehöhe<br>Meter | Luftdruck in Millimeter |     |          |     |        | Luftwärme in Celsius |          |          |        |
|-----------------|------------------|-------------------------|-----|----------|-----|--------|----------------------|----------|----------|--------|
|                 |                  | Grösster                | am  | Kleinst. | am  | Mittel | Grösste              | am       | Kleinste |        |
| Klagenfurt I    | 448              | 730.0                   | 18. | 712.3    | 21. | 721.7  | 28.4                 | 20.      | 9.5      | 2.     |
| dto. II         | 504              | —                       | —   | —        | —   | —      | 29.4                 | 19.      | 9.8      | 1.     |
| Kappel d. Dr    | 441              | —                       | —   | —        | —   | —      | 30.4                 | 29.      | 9.5      | 2.     |
| Saager .        | 486              | —                       | —   | —        | —   | —      | 27.6                 | 29.      | 9.1      | 2.     |
| St. Michael     | 495              | —                       | —   | —        | —   | —      | 28.8                 | 29.      | 8.8      | 2.     |
| Unterdranburg   | 343              | —                       | —   | —        | —   | —      | 30.4                 | 20.      | 10.0     | 2.     |
| Liescha         | 552              | 721.3                   | 18. | 704.2    | 21. | 713.4  | 31.0                 | 19.      | 8.9      | 2.     |
| Eisenkappel .   | 554              | —                       | —   | —        | —   | —      | 29.8                 | 21.      | 8.6      | 2.     |
| Obir .          | 2047             | 603.3                   | 18. | 589.2    | 3.  | 596.4  | 18.7                 | 19.      | -1.1     | 1.     |
| St. Andrä       | 432              | 734.0                   | 18. | 715.3    | 21. | 725.6  | 32.1                 | 19.      | 8.0      | 1.     |
| St. Paul        | 394              | 733.3                   | 18. | 714.7    | 21. | 7.4.8  | 29.2                 | 20.      | 9.4      | 1., 2. |
| Stelzing        | 1410             | —                       | —   | —        | —   | —      | 21.4                 | 19.      | 2.8      | 1.     |
| Knappenborg     | 1045             | 680.5                   | 18. | 664.4    | 21. | 672.8  | 26.9                 | 19.      | 6.3      | 2.     |
| Hüttenberg      | 783              | 701.8                   | 18. | 685.0    | 21. | 693.6  | 28.0                 | 20.      | 5.0      | 13.    |
| Guttaring .     | 642              | —                       | —   | —        | —   | —      | 27.0                 | 20.      | 5.5      | 4.     |
| W Bleiberg      | 948              | —                       | —   | —        | —   | —      | 21.2                 | 29.      | 8.1      | 1.     |
| St. Peter i. K. | 1217             | —                       | —   | —        | —   | —      | 25.0                 | 28.      | 4.9      | 1.     |
| Eberstein       | 640              | —                       | —   | —        | —   | —      | 27.8                 | 19.      | 8.0      | 2.     |
| Jauken .        | 2072             | —                       | —   | —        | —   | —      | 20.0                 | 19., 28. | 0.6      | 1.     |
| St. Walburgen   | 528              | —                       | —   | —        | —   | —      | 22.4                 | 20.      | 10.5     | 2.     |
| Pörtschach .    | 464              | —                       | —   | —        | —   | —      | 29.7                 | 19.      | 2.4      | 2.     |
| Radweg          | 692              | —                       | —   | —        | —   | —      | 27.2                 | 29.      | 7.4      | 1.     |
| Sirnitz .       | 800              | —                       | —   | —        | —   | —      | 26.2                 | 20.      | 5.4      | 1.     |
| Reichenau       | 1059             | —                       | —   | —        | —   | —      | 24.8                 | 28.      | 6.0      | 4.     |
| Bad Villach     | 488              | —                       | —   | —        | —   | —      | 26.8                 | 20.      | 9.0      | 1.     |
| Radenthein      | 738              | —                       | —   | —        | —   | —      | 27.0                 | 20.      | 6.4      | 1.     |
| Waidegg         | 640              | —                       | —   | —        | —   | —      | 29.2                 | 19.      | 6.8      | 25.    |
| Cornat          | 1067             | 678.9                   | 18. | 665.0    | 3.  | 671.8  | 25.4                 | 19.      | 6.1      | 2.     |
| Oberdrauburg    | 610              | —                       | —   | —        | —   | —      | 22.2                 | 19.      | 8.7      | 1.     |
| Greifenburg .   | 528              | —                       | —   | —        | —   | —      | 28.6                 | 19.      | 9.2      | 2.     |
| Sonnblick .     | 3093             | 529.7                   | 18. | 516.0    | 3.  | 522.9  | 4.8                  | 28.      | -7.2     | 1.     |

# 1893 vom Central-Observatorium in Wien.

| Mittel | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |                    |     | Tage   |           |      | darunter mit      |        |       |          |       |
|--------|-----------------------|------------------------|-----------|---------------------------|--------------|--------------------|-----|--------|-----------|------|-------------------|--------|-------|----------|-------|
|        |                       |                        |           |                           | Summe        | Grösster<br>in 24h | am  | heiter | b. heiter | trüb | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |
| 16.9   | 12.6                  | 85                     | 6.0       | NW                        | 167          | 40                 | 25. | 5      | 11        | 14   | 14                | 0      | 0     | 5        | 0     |
| 16.9   | —                     | —                      | 6.9       | NE                        | —            | —                  | —   | 3      | 9         | 18   | 16                | 0      | 0     | 5        | 0     |
| 16.7   | —                     | —                      | 6.2       | NE                        | 237          | 36                 | 9.  | 4      | 13        | 13   | 15                | 0      | 2     | 5        | 3     |
| 16.5   | —                     | —                      | —         | —                         | 169          | 48                 | 24. | —      | —         | —    | 15                | 0      | 0     | 0        | 0     |
| 16.1   | —                     | —                      | 5.6       | E                         | 176          | 33                 | 24. | 9      | 7         | 14   | 12                | 0      | 0     | 6        | 5     |
| 16.6   | —                     | —                      | 4.3       | W                         | 144          | 44                 | 24. | 11     | 7         | 12   | 14                | 0      | 0     | 3        | 0     |
| 15.4   | —                     | —                      | 6.2       | W                         | 152          | 51                 | 24. | 6      | 9         | 15   | 13                | 0      | 0     | 7        | 1     |
| 16.6   | —                     | —                      | —         | —                         | 176          | 59                 | 25. | —      | —         | —    | 15                | 0      | 0     | 0        | 0     |
| 5.6    | 6.2                   | 90                     | 6.0       | NW                        | 231          | 72                 | 24. | 5      | 12        | 13   | 18                | 9      | 1     | 4        | 3     |
| 15.5   | 9.9                   | 74                     | 6.1       | SE                        | 97           | 14                 | 15. | 7      | 10        | 13   | 15                | 0      | 0     | 9        | 2     |
| 16.9   | 9.9                   | 69                     | —         | —                         | 58           | 17                 | 24. | —      | —         | —    | 14                | 0      | 0     | 0        | 0     |
| 10.0   | —                     | —                      | 6.6       | W                         | —            | —                  | —   | 5      | 7         | 18   | —                 | —      | —     | —        | —     |
| 12.8   | 8.4                   | 75                     | 4.3       | SW                        | 116          | 36                 | 25. | 13     | 13        | 4    | 14                | 0      | 0     | 7        | 1     |
| 14.8   | —                     | —                      | 5.6       | W                         | 94           | 19                 | 24. | 5      | 16        | 9    | 13                | 0      | 0     | 3        | 1     |
| 14.4   | —                     | —                      | 5.8       | NW                        | 65           | 10                 | 23. | 4      | 15        | 11   | 10                | 0      | 0     | 1        | 0     |
| 13.4   | —                     | —                      | 4.6       | —                         | 227          | 74                 | 24. | —      | —         | —    | 12                | 0      | 0     | 0        | 0     |
| 11.9   | —                     | —                      | 6.1       | N                         | 93           | 17                 | 24. | 6      | 6         | 18   | 16                | 0      | 0     | 7        | 1     |
| 15.6   | —                     | —                      | 5.2       | NE                        | 101          | 41                 | 25. | —      | —         | —    | 12                | 0      | 0     | 11       | 5     |
| 6.1    | —                     | —                      | 4.7       | S                         | 133          | 30                 | 24. | 8      | 14        | 8    | 14                | 1      | 0     | 0        | 1     |
| 15.2   | —                     | —                      | 5.6       | —                         | 223          | 30                 | 1.  | 8      | 6         | 16   | 19                | 0      | 0     | 7        | 0     |
| 16.8   | —                     | —                      | —         | —                         | —            | —                  | —   | —      | —         | —    | —                 | —      | —     | —        | —     |
| 15.3   | —                     | —                      | 5.8       | W                         | 134          | 43                 | 24. | 4      | 12        | 14   | 15                | 0      | 1     | 9        | 8     |
| 14.0   | —                     | —                      | 5.9       | SW                        | 265          | 80                 | 25. | 5      | 7         | 18   | 12                | 0      | 1     | 8        | 0     |
| 11.9   | —                     | —                      | 6.8       | —                         | 49           | 6                  | 16. | 5      | 5         | 20   | 20                | 0      | 0     | 0        | 0     |
| 15.4   | —                     | —                      | —         | —                         | —            | —                  | —   | —      | —         | —    | —                 | —      | —     | —        | —     |
| 15.4   | —                     | —                      | 5.6       | —                         | 119          | 48                 | 24. | 9      | 7         | 14   | 16                | 0      | 0     | 6        | 1     |
| 15.4   | —                     | —                      | 4.6       | NE                        | —            | —                  | —   | 12     | 10        | 9    | 14                | 0      | 0     | 10       | 0     |
| 13.6   | 8.8                   | 75                     | 5.5       | N                         | 164          | 27                 | 24  | 7      | 12        | 11   | 16                | 0      | 1     | 5        | 2     |
| 15.3   | —                     | —                      | —         | NW                        | 108          | 29                 | 24. | —      | —         | —    | 14                | 0      | 0     | 6        | 0     |
| 15.9   | —                     | —                      | 6.1       | E                         | 97           | 26                 | 24. | 4      | 6         | 20   | 10                | 0      | 0     | 5        | 0     |
| — 1.9  | —                     | 93                     | 7.5       | N                         | 144          | 15                 | 6.  | 2      | 5         | 23   | 27                | 18     | 0     | 2        | 8     |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

Juli

von  
**F. Seeland.**

1893.

| Tag           | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen |
|---------------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|------------------------------------------|
|               | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                          |
|               | 9° + Min.                 |                |                |              | Min.            | Minuten              |                   |           | m Seehöhe                                |
| 1.            | 35.6                      | 47.4           | 39.3           | 40.8         | 11.8            | 57.7                 | 59.78             | 49.30     | 436.986                                  |
| 2.            | 36.0                      | 43.4           | 41.3           | 40.2         | 7.4             | 58.7                 | 61.32             | 49.83     | 436.994                                  |
| 3.            | 34.6                      | 47.4           | 40.0           | 40.7         | 12.8            | 58.1                 | 59.98             | 48.43     | 436.996                                  |
| 4.            | 36.6                      | 49.4           | 40.6           | 42.2         | 12.8            | 58.4                 | 60.98             | 49.23     | 436.988                                  |
| 5.            | 36.0                      | 46.0           | 41.3           | 41.1         | 10.0            | 57.8                 | 60.31             | 48.57     | 436.988                                  |
| 6.            | 35.3                      | 48.0           | 40.6           | 41.3         | 12.7            | 58.4                 | 60.81             | 49.90     | 436.991                                  |
| 7.            | 34.6                      | 47.4           | 42.0           | 41.3         | 12.8            | 57.6                 | 60.45             | 48.90     | 436.996                                  |
| 8.            | 36.0                      | 47.4           | 40.6           | 41.3         | 11.4            | 57.2                 | 60.07             | 48.77     | 436.986                                  |
| 9.            | 36.0                      | 46.0           | 41.3           | 41.1         | 10.0            | 57.3                 | 60.02             | 52.23     | 436.981                                  |
| 10.           | 38.0                      | 49.4           | 40.6           | 42.7         | 11.4            | 57.9                 | 62.19             | 49.63     | 436.980                                  |
| 11.           | 36.6                      | 48.7           | 41.3           | 42.2         | 12.1            | 58.1                 | 61.87             | 50.07     | 436.983                                  |
| 12.           | 36.0                      | 47.4           | 40.6           | 41.3         | 11.4            | 57.9                 | 61.39             | 49.17     | 436.986                                  |
| 13.           | 34.6                      | 48.0           | 40.0           | 40.9         | 13.4            | 57.8                 | 61.94             | 54.17     | 436.976                                  |
| 14.           | 34.0                      | 50.7           | 42.0           | 42.2         | 16.7            | 59.4                 | 64.49             | 51.63     | 436.979                                  |
| 15.           | 33.3                      | 49.4           | 42.2           | 41.8         | 16.1            | 57.7                 | 63.36             | 50.33     | 436.986                                  |
| 16.           | 46.7                      | 47.4           | 40.0           | 44.7         | 7.4             | 57.2                 | 59.98             | 50.50     | 436.991                                  |
| 17.           | 35.3                      | 46.7           | 42.7           | 41.6         | 11.4            | 57.5                 | 63.21             | 49.33     | 436.994                                  |
| 18.           | 36.6                      | 47.4           | 42.0           | 42.0         | 10.8            | 57.6                 | 62.33             | 54.20     | 436.991                                  |
| 19.           | 37.3                      | 47.4           | 42.0           | 42.2         | 10.1            | 57.1                 | 61.97             | 50.10     | 436.996                                  |
| 20.           | 40.0                      | 46.7           | 42.0           | 42.2         | 6.7             | 57.3                 | 61.06             | 50.30     | 437.001                                  |
| 21.           | 39.3                      | 47.4           | 38.0           | 41.6         | 8.1             | 58.3                 | 61.14             | 48.70     | 437.004                                  |
| 22.           | 41.3                      | 49.4           | 42.0           | 44.2         | 8.1             | 57.1                 | 60.72             | 47.93     | 437.004                                  |
| 23.           | 37.3                      | 47.4           | 42.7           | 42.5         | 10.1            | 57.3                 | 61.93             | 49.03     | 437.006                                  |
| 24.           | 36.6                      | 46.7           | 40.0           | 41.1         | 10.1            | 57.4                 | 61.66             | 50.03     | 437.004                                  |
| 25.           | 36.0                      | 47.4           | 40.6           | 41.3         | 11.4            | 57.2                 | 60.67             | 49.57     | 437.003                                  |
| 26.           | 36.0                      | 48.7           | 36.0           | 40.2         | 12.7            | 57.4                 | 61.66             | 50.90     | 437.004                                  |
| 27.           | 34.0                      | 49.4           | 36.0           | 39.8         | 15.4            | 57.4                 | 60.88             | 50.47     | 437.005                                  |
| 28.           | 35.3                      | 46.0           | 36.7           | 39.3         | 10.7            | 57.4                 | 60.93             | 49.70     | 437.006                                  |
| 29.           | 36.7                      | 45.4           | 40.6           | 40.9         | 8.7             | 57.7                 | 60.77             | 49.87     | 437.016                                  |
| 30.           | 35.3                      | 46.0           | 36.7           | 39.3         | 10.7            | 57.5                 | 61.62             | 50.90     | 437.024                                  |
| 31.           | 35.3                      | 47.4           | 37.3           | 40.0         | 12.1            | 57.6                 | 61.67             | 50.30     | 437.046                                  |
| <b>Mittel</b> | 36.5                      | 47.5           | 40.3           | 41.4         | 11.2            | 57.7                 | 61.32             | 50.08     | 436.996                                  |

Die mittlere magnetische Declination in Klagenfurt war 9° 41'4", mit dem Maximum 9° 44'7" am 16. und dem Minimum 9° 39'3" am 28. u. 30.

Die mittlere Tagesvariation war 11'2", mit dem Maximum 16'7" am 14. und dem Minimum 6'7" am 20. Am 16. u. 22. gab es Störungen.



# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>°/o |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|---------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                     |
|        |                         |                |                |        |                 |                     |                |                |        |                 |                |                |                     |
| 1.     | 25.7                    | 23.2           | 22.7           | 23.9   | + 1.8           | 17.4                | 26.4           | 21.5           | 21.8   | + 3.7           | 8              | 7              | 83.1                |
| 2.     | 24.6                    | 22.8           | 23.4           | 23.6   | + 1.5           | 17.4                | 27.1           | 20.6           | 21.7   | + 3.6           | 10             | 7              | 85.0                |
| 3.     | 24.0                    | 22.4           | 18.3           | 21.6   | - 0.5           | 19.1                | 21.0           | 18.6           | 19.6   | + 1.5           | 6              | 11             | 44.6                |
| 4.     | 23.6                    | 22.8           | 21.8           | 22.7   | + 0.6           | 17.1                | 18.2           | 18.3           | 17.9   | - 0.4           | 5              | 4              | 74.8                |
| 5.     | 21.6                    | 18.8           | 20.6           | 20.3   | - 1.8           | 16.7                | 25.8           | 16.5           | 19.7   | + 1.2           | 7              | 9              | 64.8                |
| 6.     | 20.5                    | 20.0           | 20.6           | 20.4   | - 1.8           | 16.7                | 22.2           | 17.3           | 18.7   | + 0.1           | 12             | 7              | 17.0                |
| 7.     | 22.6                    | 21.5           | 22.2           | 22.1   | - 0.1           | 17.0                | 24.4           | 17.5           | 19.6   | + 1.1           | 8              | 8              | 83.6                |
| 8.     | 23.8                    | 21.3           | 21.6           | 22.2   | 0.0             | 15.5                | 25.4           | 18.6           | 19.8   | + 1.3           | 7              | 10             | 91.8                |
| 9.     | 22.7                    | 20.7           | 21.2           | 21.5   | - 0.7           | 16.4                | 27.5           | 21.7           | 21.9   | + 3.6           | 9              | 8              | 82.3                |
| 10.    | 23.6                    | 22.3           | 21.6           | 22.5   | + 0.3           | 16.4                | 27.7           | 21.5           | 22.5   | + 4.3           | 7              | 5              | 27.8                |
| 11.    | 21.0                    | 18.7           | 18.5           | 19.4   | - 2.9           | 18.4                | 23.8           | 20.8           | 22.7   | + 4.5           | 9              | 7              | 53.2                |
| 12.    | 18.5                    | 17.5           | 16.1           | 17.4   | - 4.9           | 18.3                | 23.6           | 19.5           | 20.5   | + 2.1           | 8              | 8              | 57.3                |
| 13.    | 16.9                    | 15.9           | 17.2           | 16.7   | - 5.6           | 19.4                | 25.2           | 16.3           | 20.3   | + 1.7           | 8              | 7              | 32.5                |
| 14.    | 16.4                    | 15.0           | 15.9           | 15.8   | - 6.5           | 14.7                | 17.6           | 14.7           | 15.7   | - 3.2           | 13             | 13             |                     |
| 15.    | 16.2                    | 17.9           | 20.1           | 18.1   | - 4.2           | 15.1                | 20.6           | 15.9           | 17.2   | - 2.1           | 8              | 8              |                     |
| 16.    | 21.7                    | 22.1           | 22.9           | 22.2   | - 0.1           | 14.6                | 19.9           | 15.5           | 16.7   | - 2.8           | 9              | 6              | 23.1                |
| 17.    | 21.4                    | 21.6           | 22.1           | 21.7   | - 0.6           | 14.8                | 16.0           | 13.6           | 14.8   | - 4.9           | 10             | 4              | 20.0                |
| 18.    | 20.9                    | 20.1           | 21.1           | 20.7   | - 1.7           | 11.1                | 13.6           | 13.3           | 12.7   | - 7.0           | 7              | 9              | 22.6                |
| 19.    | 23.0                    | 21.2           | 21.4           | 21.9   | - 0.5           | 9.4                 | 21.3           | 15.8           | 15.5   | - 4.2           | 8              | 7              | 69.0                |
| 20.    | 23.1                    | 21.1           | 20.8           | 21.7   | - 0.7           | 14.5                | 24.4           | 18.8           | 19.2   | - 0.5           | 7              | 10             | 87.0                |
| 21.    | 22.1                    | 21.1           | 21.9           | 21.7   | - 0.7           | 17.8                | 27.8           | 19.2           | 21.6   | + 0.9           | 3              | 6              | 77.2                |
| 22.    | 22.4                    | 21.0           | 22.3           | 21.9   | - 0.5           | 16.4                | 27.4           | 20.9           | 21.6   | + 1.8           | 7              | 4              | 50.6                |
| 23.    | 24.4                    | 24.7           | 26.1           | 25.1   | + 2.7           | 17.4                | 26.9           | 18.1           | 20.8   | + 1.0           | 8              | 8              | 39.9                |
| 24.    | 27.2                    | 25.1           | 24.7           | 25.7   | + 3.3           | 15.4                | 23.0           | 18.0           | 18.8   | - 1.0           | 9              | 7              | 90.8                |
| 25.    | 25.5                    | 22.8           | 22.3           | 23.5   | + 0.9           | 16.0                | 25.0           | 20.0           | 20.3   | + 0.7           | 9              | 4              | 85.6                |
| 26.    | 22.6                    | 20.7           | 21.2           | 21.5   | - 1.0           | 16.3                | 26.2           | 19.1           | 20.5   | + 1.1           | 8              | 9              | 88.8                |
| 27.    | 21.3                    | 20.0           | 20.9           | 20.7   | - 1.8           | 17.7                | 26.3           | 19.2           | 21.1   | + 2.0           | 7              | 7              | 58.5                |
| 28.    | 22.3                    | 22.0           | 21.3           | 21.9   | - 0.6           | 17.9                | 22.6           | 18.6           | 19.7   | + 0.7           | 8              | 7              | 31.8                |
| 29.    | 20.3                    | 18.5           | 16.9           | 18.6   | - 3.9           | 17.1                | 21.6           | 19.1           | 19.3   | + 0.4           | 11             | 9              | 30.5                |
| 30.    | 17.8                    | 16.4           | 16.4           | 16.9   | - 5.6           | 15.2                | 21.1           | 15.5           | 17.3   | - 1.6           | 11             | 9              |                     |
| 31.    | 16.6                    | 16.7           | 19.0           | 17.4   | - 5.1           | 13.7                | 20.6           | 14.9           | 16.4   | - 2.5           | 11             | 8              | 22.0                |
| Mittel | 21.77                   | 20.51          | 20.74          | 21.01  | - 1.27          | 16.22               | 23.39          | 18.03          | 19.21  | + 0.26          | 8.3            | 7.5            | 51.48               |
|        |                         |                |                |        |                 |                     |                |                |        |                 |                |                | 7.9                 |

Am 5. Gewitter aus W von 5 h nachm. bis 10 h abends. — Am 10. abends starkes Blitzen in Norden. — Am 28. vormittags zwischen 11 h und 12 h ein heftiges Gewitter aus SE, das mehrmal in der Stadt einschlug ohne zu schaden.

im Juli 1893.

Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 11.8                     | 10.9           | 13.5           | 12.1   | 80                                    | 43             | 71             | 65     | 1                            | 2              | 0              | 1      | NE <sup>1</sup>            | SE <sup>2</sup> | NE <sup>3</sup> | <                 |            |
| 11.2                     | 10.1           | 13.5           | 11.6   | 76                                    | 38             | 74             | 63     | 0                            | 1              | 0              | 0      | N <sup>1</sup>             | NW <sup>1</sup> | NE <sup>3</sup> | —                 |            |
| 12.8                     | 13.8           | 12.2           | 12.9   | 78                                    | 75             | 77             | 77     | 5                            | 10.            | 5              | 7      | NE <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 7.4               | 7.4        |
| 11.4                     | 11.9           | 12.1           | 11.8   | 79                                    | 76             | 78             | 78     | 2                            | 10.            | 5              | 6      | SE <sup>1</sup>            | NE <sup>3</sup> | NW <sup>1</sup> | 1.3               | 1.3        |
| 10.0                     | 13.2           | 11.9           | 12.0   | 77                                    | 53             | 85             | 72     | 0                            | 3              | 10.            | 4      | NE <sup>1</sup>            | NE <sup>2</sup> | SW <sup>1</sup> | 7.2               | 7.2        |
| 12.5                     | 10.9           | 12.4           | 11.9   | 89                                    | 55             | 85             | 76     | 10.                          | 6              | 6              | 7      | SW <sup>0</sup>            | NE <sup>3</sup> | NE <sup>1</sup> | 11.1              |            |
| 11.9                     | 9.9            | 10.3           | 10.7   | 83                                    | 44             | 69             | 65     | 0                            | 3              | 0              | 1      | NW <sup>1</sup>            | NE <sup>4</sup> | NE <sup>1</sup> | —                 |            |
| 10.2                     | 11.5           | 10.8           | 10.8   | 78                                    | 48             | 68             | 65     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | NE <sup>1</sup> | E <sup>1</sup>  | —                 |            |
| 10.7                     | 13.0           | 14.4           | 12.7   | 77                                    | 47             | 75             | 66     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 13.1                     | 13.7           | 15.8           | 14.2   | 83                                    | 50             | 83             | 72     | 10                           | 3              | 10             | 8      | NW <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | <                 |            |
| 12.7                     | 14.9           | 11.1           | 12.9   | 80                                    | 51             | 61             | 64     | 5                            | 3              | 1              | 3      | W <sup>1</sup>             | SW <sup>1</sup> | NW <sup>1</sup> | <                 |            |
| 9.8                      | 13.9           | 12.6           | 12.1   | 63                                    | 61             | 75             | 66     | 2                            | 10.            | 2              | 5      | NW <sup>1</sup>            | NW <sup>3</sup> | NW <sup>1</sup> | <                 |            |
| 13.3                     | 12.9           | 12.5           | 12.9   | 79                                    | 55             | 90             | 75     | 2                            | 9              | 10.            | 7      | NE <sup>1</sup>            | NE <sup>3</sup> | SE <sup>1</sup> | 22.3              | 22.3       |
| 11.6                     | 12.0           | 11.2           | 11.6   | 93                                    | 80             | 90             | 88     | 10.                          | 10.            | 10.            | 10     | SW <sup>1</sup>            | NW <sup>1</sup> | SE <sup>1</sup> | 18.7              | 18.7       |
| 11.1                     | 11.0           | 11.0           | 11.0   | 87                                    | 61             | 82             | 77     | 10                           | 10             | 10             | 10     | W <sup>1</sup>             | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 11.3                     | 11.5           | 11.3           | 11.4   | 91                                    | 66             | 86             | 81     | 10.                          | 3              | 10.            | 8      | NE <sup>1</sup>            | SE <sup>1</sup> | SW <sup>1</sup> | 2.6               | 2.6        |
| 11.0                     | 10.1           | 10.5           | 10.5   | 83                                    | 75             | 92             | 85     | 10.                          | 10             | 0              | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 2.8               | 2.8        |
| 8.4                      | 10.5           | 9.0            | 9.3    | 85                                    | 92             | 80             | 86     | 10                           | 10.            | 0              | 7      | NE <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 7.1               | 7.1        |
| 8.3                      | 8.6            | 10.5           | 9.1    | 95                                    | 46             | 79             | 73     | 10                           | 1              | 1              | 4      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | 10.8              | 10.8       |
| 9.5                      | 12.7           | 12.6           | 11.6   | 77                                    | 56             | 78             | 70     | 0                            | 0              | 3              | 1      | S <sup>1</sup>             | NE <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 12.9                     | 15.7           | 13.1           | 13.9   | 85                                    | 58             | 79             | 73     | 3                            | 5              | 0              | 3      | NE <sup>1</sup>            | SE <sup>1</sup> | NW <sup>1</sup> |                   |            |
| 11.8                     | 15.3           | 13.6           | 13.6   | 85                                    | 56             | 74             | 72     | 2                            | 3              | 10             | 5      | NE <sup>1</sup>            | NE <sup>1</sup> | SW <sup>1</sup> |                   |            |
| 13.1                     | 8.4            | 13.6           | 11.7   | 89                                    | 32             | 88             | 70     | 10.                          | 10.            | 9              | 10     | NE <sup>1</sup>            | NE <sup>3</sup> | NW <sup>1</sup> | 10.6              | 10.6       |
| 10.4                     | 11.1           | 12.1           | 11.2   | 80                                    | 53             | 79             | 71     | 0                            | 2              | 0              | 1      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 5.4               | 5.4        |
| 11.4                     | 11.7           | 12.3           | 11.8   | 84                                    | 50             | 71             | 68     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 11.5                     | 11.0           | 12.4           | 11.6   | 83                                    | 44             | 75             | 67     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | SE <sup>2</sup> | NW              | —                 |            |
| 11.5                     | 18.8           | 14.3           | 14.9   | 76                                    | 74             | 87             | 79     | 7                            | 3              | 9              | 6      | N <sup>1</sup>             | NE <sup>1</sup> | SE <sup>1</sup> | 0.6               | 0.6        |
| 13.1                     | 14.8           | 14.4           | 14.1   | 86                                    | 72             | 90             | 83     | 4                            | 8              | 10.            | 7      | NW <sup>1</sup>            | NW <sup>1</sup> | SE <sup>1</sup> | 33.2              | 33.2       |
| 13.0                     | 16.0           | 13.8           | 14.3   | 90                                    | 97             | 84             | 90     | 10                           | 10             | 10             | 10     | SE <sup>0</sup>            | SW <sup>1</sup> | W <sup>1</sup>  | 15.8              | 15.8       |
| 11.3                     | 10.9           | 11.6           | 11.3   | 88                                    | 59             | 88             | 78     | 10                           | 10             | 10.            | 10     | NW <sup>0</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | 5.0               | 5.0        |
| 10.6                     | 10.1           | 10.7           | 10.5   | 92                                    | 56             | 85             | 78     | 10.                          | 9              | 5              | 8      | W <sup>1</sup>             | NW <sup>1</sup> | NW <sup>1</sup> | 11.8              | 11.8       |
| 11.43                    | 12.28          | 12.29          | 12.00  | 83.1                                  | 58.8           | 80.0           | 74.0   | 4.9                          | 5.4            | 4.7            | 5.0    | 0.9                        | 1.5             | 1.2             | 173.7             |            |

Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.790 Meter |
| Seelandbrunnen                  | 436.996       |
| Friedhofbrunnen                 | 436.753       |
| Maschinengewerbliche Fachschule | 436.000       |
| Wörtherseepegel                 | 441.357       |
| Höchster Pegelstand am 15.—18.  | 441.378       |
| Tiefster „ „ 3.                 | 441.338       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.664 Meter.  
Maximum am 30. 426.990 Meter, Minimum am 8.—10. 426.510 Meter.

## Vorläufige Uebersicht der Witterung in Kärnten im Juli 1893 vom Central-Observatorium in Wien.

| Stationen       | Seehöhe<br>Meter | Luftdruck in Millimeter |     |          |     |        | Luftwärme in Celsius ° |     |          |     |        | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |                    |     | Tage   |           | darunter mit |                   |        |       |          |       |        |
|-----------------|------------------|-------------------------|-----|----------|-----|--------|------------------------|-----|----------|-----|--------|-----------------------|------------------------|-----------|---------------------------|--------------|--------------------|-----|--------|-----------|--------------|-------------------|--------|-------|----------|-------|--------|
|                 |                  | Größter                 | am  | Kleinst. | am  | Mittel | Grösste                | am  | Kleinste | am  | Mittel |                       |                        |           |                           | Summe        | Grösster<br>in 24h | am  | heiter | h. heiter |              | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |        |
|                 |                  |                         |     |          |     |        |                        |     |          |     |        |                       |                        |           |                           |              |                    |     |        | trüb      | trüb         |                   |        |       |          |       | Schnee |
| Klagenfurt I    | 448              | 727.2                   | 24. | 715.9    | 13. | 721.0  | 30.0                   | 22. | 7.0      | 19. | 18.9   | 12.0                  | 74                     | 5.0       | NE                        | 174          | 33                 | 28. | 11     | 6         | 14           | 17                | 0      | 0     | 7        | 0     |        |
| dto. II         | 504              | —                       | —   | —        | —   | —      | 30.2                   | 21. | 10.0     | 19. | 19.1   | —                     | —                      | 6.2       | N                         | —            | —                  | —   | 6      | 6         | 19           | 16                | 0      | 0     | 7        | 0     |        |
| Kappel a. d. Dr | 441              | —                       | —   | —        | —   | —      | 28.5                   | 11. | 10.7     | 19. | 18.3   | —                     | —                      | 5.4       | NE                        | 133          | 30                 | 5.  | 11     | 5         | 15           | 11                | 0      | 0     | 5        | 0     |        |
| Saager . . .    | 486              | —                       | —   | —        | —   | —      | 26.3                   | 11. | 8.8      | 19. | 18.4   | —                     | —                      | —         | —                         | 194          | 28                 | 28. | —      | —         | —            | 15                | 0      | 0     | 0        | 0     |        |
| St. Michael .   | 495              | —                       | —   | —        | —   | —      | 27.8                   | 12. | 8.6      | 19. | 18.0   | —                     | —                      | 4.5       | E                         | 148          | 33                 | 28. | 14     | 6         | 11           | 12                | 0      | 0     | 6        | 0     |        |
| Unterdrauburg   | 343              | —                       | —   | —        | —   | —      | 29.6                   | 11. | 8.8      | 19. | 18.5   | —                     | —                      | 3.9       | E                         | 160          | 33                 | 28. | 17     | 3         | 11           | 12                | 0      | 0     | 2        | 0     |        |
| Liescha         | 552              | 718.9                   | 24. | 706.8    | 14. | 713.2  | 28.0                   | 11. | 9.3      | 18. | 17.0   | —                     | —                      | 5.4       | NE                        | 135          | 25                 | 28. | 12     | 5         | 14           | 16                | 0      | 0     | 9        | 0     |        |
| Eisenkappel .   | 554              | —                       | —   | —        | —   | —      | 30.6                   | 6.  | 8.0      | 20. | 18.9   | —                     | —                      | —         | —                         | 195          | 50                 | 28. | —      | —         | —            | 13                | 0      | 0     | 0        | 0     |        |
| Obir . . .      | 2047             | 601.1                   | 23. | 591.2    | 31. | 597.2  | 19.2                   | 9.  | -0.2     | 18. | 8.9    | 7.6                   | 89                     | 5.3       | NW                        | 252          | 33                 | 16. | 11     | 6         | 14           | 16                | 1      | 1     | 5        | 0     |        |
| Radenthein      | 738              | —                       | —   | —        | —   | —      | 27.4                   | 2.  | 10.8     | 18. | 16.9   | —                     | —                      | 5.0       | —                         | 133          | 45                 | 5.  | 12     | 6         | 13           | 14                | 0      | 1     | 3        | 0     |        |
| St. Andrä . .   | 432              | 733.7                   | 24. | 719.2    | 14. | 726.2  | 30.0                   | 10. | 8.1      | 19. | 17.1   | 11.7                  | 79                     | 5.3       | SE                        | 161          | 30                 | 29. | 9      | 8         | 14           | 13                | 0      | 1     | 11       | 0     |        |
| St. Paul . .    | 394              | 730.7                   | 24. | 718.0    | 14. | 724.3  | 23.4                   | 28. | 9.4      | 19. | 18.9   | 11.8                  | 72                     | —         | —                         | 122          | 31                 | 5.  | —      | —         | —            | 13                | 0      | 0     | 3        | 0     |        |
| Stelzing        | 1410             | —                       | —   | —        | —   | —      | 21.2                   | 26. | 4.8      | 18. | 12.8   | —                     | —                      | 5.8       | E                         | —            | —                  | —   | 9      | 8         | 4            | —                 | —      | —     | —        | —     |        |
| Knappenberg     | 1045             | —                       | —   | —        | —   | —      | 25.6                   | 9.  | 9.1      | 24. | 15.1   | 10.8                  | 83                     | 3.7       | SW                        | 129          | 29                 | 6.  | 17     | 9         | 5            | 13                | 0      | 1     | 7        | 0     |        |
| Hüttenberg      | 783              | 699.2                   | 24. | 686.0    | 14. | 693.5  | 26.8                   | 2.  | 9.3      | S.  | 17.0   | —                     | —                      | 4.3       | W                         | 101          | 17                 | 5.  | 13     | 12        | 6            | 13                | 0      | 1     | 2        | 0     |        |
| Guttaring . .   | 642              | —                       | —   | —        | —   | —      | 26.6                   | 9.  | 6.0      | 8.  | 16.3   | —                     | —                      | 5.1       | W                         | 144          | 22                 | 27. | 12     | 3         | 16           | 13                | 0      | 1     | 1        | 0     |        |
| Eberstein . .   | 640              | —                       | —   | —        | —   | —      | 28.2                   | 5.  | 7.0      | 19. | 17.5   | —                     | —                      | 4.7       | S                         | 189          | 42                 | 5.  | —      | —         | —            | 12                | 0      | 1     | 6        | 0     |        |
| W Bleiberg      | 948              | —                       | —   | —        | —   | —      | 22.4                   | 7.  | 10.1     | 18. | 15.3   | —                     | —                      | 3.7       | —                         | 210          | 33                 | 28. | —      | —         | —            | 16                | 0      | 0     | 0        | 0     |        |
| St. Peter i. K. | 1217             | —                       | —   | —        | —   | —      | 25.2                   | 9.  | 8.1      | 14. | 14.3   | —                     | —                      | 5.2       | N                         | 136          | 28                 | 13. | 10     | 9         | 12           | 15                | 0      | 0     | 7        | 0     |        |
| Spittal . . .   | 554              | 718.2                   | 24. | 706.5    | 14. | 712.1  | 29.4                   | 2.  | 9.4      | 18. | 17.5   | 10.9                  | 73                     | 5.8       | SE                        | 98           | 20                 | 14. | 8      | 9         | 14           | 16                | 0      | 1     | 2        | 0     |        |
| Pörtschach      | 464              | —                       | —   | —        | —   | —      | 29.0                   | 2.  | 11.0     | 18. | 19.0   | —                     | —                      | —         | —                         | —            | —                  | —   | —      | —         | —            | —                 | —      | —     | —        | —     |        |
| Radweg . . .    | 692              | —                       | —   | —        | —   | —      | 26.0                   | 1.  | 9.4      | 19. | 17.3   | —                     | —                      | 5.2       | S                         | 135          | 20                 | 28. | 12     | 6         | 13           | 13                | 0      | 0     | 10       | 4     |        |
| Sirnitz . . .   | 800              | —                       | —   | —        | —   | —      | 26.4                   | 25. | 9.1      | 4.  | 14.6   | —                     | —                      | 5.2       | SE                        | —            | —                  | —   | 10     | 10        | 11           | 12                | 0      | 0     | 5        | 1     |        |
| Reichenau       | 1059             | —                       | —   | —        | —   | —      | 24.0                   | 11. | 10.0     | 14. | 13.3   | —                     | —                      | 4.5       | —                         | 50           | 6                  | 15. | —      | —         | —            | 20                | 0      | 0     | 0        | 0     |        |
| Bad Villach     | 488              | —                       | —   | —        | —   | —      | 25.8                   | 2.  | 10.4     | 19. | 17.4   | —                     | —                      | —         | —                         | —            | —                  | —   | —      | —         | —            | —                 | —      | —     | —        | —     |        |
| Bleiberg . . .  | 927              | 688.1                   | 24. | 676.7    | 14. | 682.8  | 24.7                   | 2.  | 8.4      | 18. | 16.4   | —                     | —                      | 4.1       | NW                        | 142          | 20                 | 5.  | 14     | 13        | 4            | 9                 | 0      | 0     | 0        | 0     |        |
| Waidegg . . .   | 640              | —                       | —   | —        | —   | —      | 30.0                   | 20. | 10.8     | 30. | 18.3   | —                     | —                      | 3.6       | NE                        | —            | —                  | —   | 17     | 8         | 6            | 13                | 0      | 0     | 7        | 0     |        |
| Cornat . . .    | 1067             | 677.3                   | 24. | 665.7    | 14. | 672.0  | 26.2                   | 2.  | 10.2     | 18. | 16.1   | 11.0                  | 80                     | 5.2       | SW                        | 177          | 44                 | 28. | 9      | 10        | 12           | 13                | 0      | 0     | 3        | 1     |        |
| Jauken . . .    | 2072             | —                       | —   | —        | —   | —      | 19.0                   | 26. | 3.0      | 14. | 9.4    | —                     | —                      | 4.4       | S                         | 128          | 22                 | 5.  | 12     | 9         | 10           | 10                | 0      | 0     | 0        | 1     |        |
| Oberdrauburg    | 610              | —                       | —   | —        | —   | —      | 29.3                   | 9.  | 7.2      | 19. | 17.2   | —                     | —                      | 4.4       | NW                        | 135          | 33                 | 28. | —      | —         | —            | 16                | 0      | 0     | 5        | 0     |        |
| Greifenburg .   | 528              | —                       | —   | —        | —   | —      | 28.6                   | 2.  | 8.8      | 18. | 18.6   | —                     | —                      | 5.1       | E                         | 104          | 22                 | 5   | 11     | 7         | 13           | 10                | 0      | 0     | 3        | 0     |        |
| St. Walbgen     | 528              | —                       | —   | —        | —   | —      | 22.6                   | 29. | 11.0     | 19. | 17.4   | —                     | —                      | 4.8       | E                         | 232          | 39                 | 5.  | 13     | 5         | 13           | 15                | 0      | 1     | 5        | 0     |        |
| Glocknerhaus    | 2111             | —                       | —   | —        | —   | —      | 19.4                   | 25. | 2.3      | 21. | 8.6    | —                     | —                      | 6.0       | NW                        | 160          | 19                 | 14. | —      | —         | —            | 21                | 1      | 0     | 4        | 3     |        |
| Sonnblick . .   | 3093             | 528.3                   | 2.  | 517.2    | 14. | 524.1  | 7.8                    | 25. | -5.3     | 18. | 1.0    | —                     | —                      | 88        | 7.4                       | N            | 204                | 27  | 29.    | 4         | 5            | 22                | 25     | 14    | 5        | 7     | 4      |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

August

von  
**F. Seeland.**

1893.

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                   |           |                                                       |
| 1.     | 34.0                      | 46.0           | 40.6           | 40.2         | 12.0            | 58.5                 | 61.08             | 50.30     | 437.056                                               |
| 2.     | 38.0                      | 48.7           | 40.0           | 42.2         | 10.7            | 58.9                 | 61.58             | 51.50     | 437.086                                               |
| 3.     | 36.0                      | 47.4           | 40.4           | 41.1         | 11.4            | 59.2                 | 61.13             | 51.20     | 437.097                                               |
| 4.     | 37.3                      | 45.4           | 41.3           | 41.3         | 8.1             | 58.9                 | 61.19             | 50.53     | 437.126                                               |
| 5.     | 35.3                      | 50.7           | 36.0           | 40.7         | 15.4            | 59.6                 | 63.97             | 51.50     | 437.143                                               |
| 6.     | 37.3                      | 47.4           | 34.0           | 39.6         | 13.4            | 60.0                 | 65.79             | 51.07     | 437.146                                               |
| 7.     | 37.3                      | 44.0           | 34.0           | 38.4         | 10.0            | 59.2                 | 65.19             | 49.67     | 437.169                                               |
| 8.     | 34.0                      | 46.0           | 38.7           | 39.6         | 12.0            | 56.2                 | 61.85             | 49.73     | 437.176                                               |
| 9.     | 36.0                      | 45.0           | 38.0           | 39.7         | 9.0             | 57.4                 | 61.18             | 50.43     | 437.186                                               |
| 10.    | 34.0                      | 46.0           | 38.0           | 39.3         | 12.0            | 57.9                 | 62.11             | 49.93     | 437.186                                               |
| 11.    | 32.7                      | 46.7           | 39.3           | 39.6         | 14.0            | 58.9                 | 64.68             | 50.10     | 437.191                                               |
| 12.    | 34.0                      | 46.7           | 39.3           | 40.0         | 12.7            | 58.7                 | 62.98             | 50.13     | 437.196                                               |
| 13.    | 35.3                      | 42.7           | 39.3           | 39.1         | 7.4             | 58.2                 | 60.62             | 49.20     | 437.201                                               |
| 14.    | 34.0                      | 42.7           | 37.3           | 38.3         | 8.7             | 58.9                 | 62.31             | 49.57     | 437.201                                               |
| 15.    | 35.3                      | 46.0           | 38.0           | 39.8         | 10.7            | 58.5                 | 61.55             | 49.97     | 437.206                                               |
| 16.    | 35.3                      | 44.0           | 38.0           | 39.1         | 8.7             | 58.0                 | 60.12             | 49.77     | 437.211                                               |
| 17.    | 36.0                      | 46.0           | 35.3           | 39.1         | 10.7            | 58.5                 | 57.67             | 49.30     | 437.196                                               |
| 18.    | 34.6                      | 44.7           | 37.3           | 38.9         | 10.1            | 60.1                 | 61.43             | 51.10     | 437.196                                               |
| 19.    | 36.0                      | 43.0           | 36.0           | 38.5         | 7.4             | 57.5                 | 59.46             | 47.70     | 437.193                                               |
| 20.    | 33.3                      | 43.4           | 58.0           | 38.2         | 10.1            | 57.5                 | 61.15             | 48.37     | 437.201                                               |
| 21.    | 40.0                      | 41.3           | 36.6           | 39.3         | 4.7             | 58.4                 | 59.97             | 48.53     | 437.206                                               |
| 22.    | 40.0                      | 42.7           | 35.3           | 39.3         | 7.4             | 58.3                 | 59.27             | 48.37     | 437.188                                               |
| 23.    | 34.6                      | 44.0           | 36.0           | 38.2         | 9.4             | 58.2                 | 60.20             | 48.93     | 437.180                                               |
| 24.    | 34.9                      | 43.4           | 36.6           | 38.1         | 8.5             | 58.5                 | 60.39             | 48.43     | 437.176                                               |
| 25.    | 34.6                      | 44.0           | 37.3           | 38.6         | 9.4             | 58.8                 | 61.53             | 49.20     | 437.174                                               |
| 26.    | 35.3                      | 46.0           | 36.0           | 39.1         | 10.7            | 57.4                 | 61.66             | 49.37     | 437.172                                               |
| 27.    | 34.6                      | 46.7           | 36.0           | 39.1         | 12.1            | 56.7                 | 62.62             | 48.87     | 437.161                                               |
| 28.    | 34.6                      | 47.4           | 36.0           | 39.3         | 12.8            | 56.3                 | 63.58             | 49.80     | 437.156                                               |
| 29.    | 35.3                      | 46.0           | 38.7           | 40.0         | 10.7            | 56.2                 | 63.43             | 50.80     | 437.146                                               |
| 30.    | 34.0                      | 47.4           | 38.0           | 39.8         | 13.4            | 56.4                 | 62.72             | 49.87     | 437.136                                               |
| 31.    | 34.0                      | 45.4           | 38.0           | 39.1         | 11.4            | 57.1                 | 63.28             | 49.67     | 437.131                                               |
| Mittel | 35.4                      | 45.4           | 37.5           | 39.4         | 10.4            | 58.2                 | 61.79             | 49.75     | 437.167                                               |

Die mittlere magnetische Declination in Klagenfurt war 9° 39'4", mit dem Maximum 9° 42'2" am 2. und dem Minimum 9° 38'0" am 14.

Die mittlere Tagesvariation war 10'4", mit dem Maximum 15'4" am 5. und dem Minimum 4'7" am 21.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 20.3                    | 20.8           | 22.9           | 21.3   | - 0.8           | 13.2                | 18.2           | 13.5           | 15.0   | - 4.0           | 3              | 13             | 28.0              |
| 2.     | 25.2                    | 24.1           | 23.5           | 24.3   | + 1.7           | 11.7                | 20.2           | 15.6           | 15.8   | - 3.2           | 10             | 10             | 55.3              |
| 3.     | 26.4                    | 25.8           | 26.1           | 26.1   | + 3.5           | 14.7                | 21.2           | 16.1           | 17.3   | - 1.7           | 10             | 10             | 75.2              |
| 4.     | 26.5                    | 23.9           | 21.9           | 24.1   | + 1.5           | 14.7                | 23.4           | 19.1           | 19.1   | + 0.1           | 7              | 8              | 89.9              |
| 5.     | 21.1                    | 18.6           | 22.2           | 20.6   | - 2.0           | 14.9                | 25.8           | 15.5           | 18.7   | - 0.2           | 6              | 7              | 50.0              |
| 6.     | 21.4                    | 20.3           | 24.4           | 22.0   | - 0.6           | 14.2                | 21.6           | 12.3           | 16.0   | - 2.8           | 10             | 7              | 23.0              |
| 7.     | 25.8                    | 24.8           | 26.0           | 25.5   | + 2.9           | 11.4                | 20.8           | 14.6           | 15.6   | - 3.1           | 8              | 6              | 68.7              |
| 8.     | 28.3                    | 27.0           | 27.0           | 27.4   | + 4.7           | 11.4                | 21.6           | 16.2           | 16.4   | - 2.2           | 7              | 3              | 91.2              |
| 9.     | 27.5                    | 24.9           | 24.6           | 25.7   | + 3.0           | 12.4                | 22.8           | 17.9           | 17.7   | - 1.1           | 7              | 2              | 89.0              |
| 10.    | 24.4                    | 22.9           | 23.9           | 23.7   | + 1.0           | 14.3                | 22.5           | 15.0           | 17.3   | - 1.2           | 7              | 3              | 59.6              |
| 11.    | 24.6                    | 22.5           | 23.0           | 23.4   | + 0.7           | 13.6                | 24.7           | 19.3           | 19.2   | + 0.8           | 8              | 5              | 82.1              |
| 12.    | 23.7                    | 23.1           | 23.9           | 23.6   | + 0.9           | 16.4                | 25.3           | 18.8           | 20.2   | + 1.8           | 8              | 8              | 64.8              |
| 13.    | 24.7                    | 23.3           | 23.7           | 23.9   | + 1.2           | 18.2                | 25.9           | 19.0           | 21.0   | + 2.5           | 9              | 8              | 83.3              |
| 14.    | 24.3                    | 23.9           | 24.8           | 24.3   | + 1.6           | 16.7                | 26.6           | 19.8           | 21.0   | + 1.6           | 9              | 9              | 48.9              |
| 15.    | 26.4                    | 24.7           | 26.8           | 26.0   | + 3.3           | 15.1                | 25.3           | 19.1           | 19.8   | + 1.5           | 8              | 8              | 88.8              |
| 16.    | 28.1                    | 26.7           | 24.9           | 26.6   | + 3.9           | 16.5                | 24.4           | 19.0           | 20.0   | + 1.9           | 10             | 4              | 67.6              |
| 17.    | 27.7                    | 26.1           | 25.9           | 26.6   | + 3.9           | 15.7                | 27.4           | 21.0           | 21.4   | + 3.5           | 7              | 6              | 91.5              |
| 18.    | 27.7                    | 25.9           | 26.0           | 26.5   | + 3.8           | 14.6                | 27.4           | 23.1           | 21.7   | + 4.1           | 6              | 9              | 80.1              |
| 19.    | 27.2                    | 25.6           | 25.3           | 26.0   | + 3.3           | 18.4                | 27.7           | 22.7           | 22.9   | + 4.6           | 6              | 6              | 87.2              |
| 20.    | 25.9                    | 23.8           | 24.7           | 24.8   | + 2.2           | 18.3                | 28.3           | 21.0           | 22.5   | + 5.3           | 8              | 8              | 68.6              |
| 21.    | 25.1                    | 22.9           | 24.0           | 24.0   | + 1.4           | 17.7                | 27.7           | 18.9           | 21.4   | + 4.3           | 9              | 9              | 44.3              |
| 22.    | 25.5                    | 24.6           | 25.8           | 25.3   | + 2.7           | 15.4                | 20.8           | 20.0           | 19.0   | + 2.0           | 8              | 6              | 64.8              |
| 23.    | 27.2                    | 25.5           | 25.4           | 26.0   | + 3.4           | 17.3                | 27.8           | 21.0           | 22.9   | + 5.9           | 8              | 6              | 79.1              |
| 24.    | 26.4                    | 23.3           | 23.3           | 24.3   | + 1.7           | 19.4                | 29.8           | 21.0           | 23.4   | + 6.5           | 3              | 4              | 59.4              |
| 25.    | 25.6                    | 23.9           | 24.5           | 24.7   | + 1.9           | 17.3                | 25.0           | 18.5           | 20.3   | + 3.4           | 2              | 7              | 32.6              |
| 26.    | 25.0                    | 23.0           | 22.5           | 23.5   | + 0.7           | 16.2                | 21.5           | 17.1           | 18.3   | + 1.5           | 12             | 7              | 59.1              |
| 27.    | 22.6                    | 21.2           | 23.1           | 22.3   | + 0.5           | 13.4                | 19.6           | 13.1           | 15.4   | - 1.4           | 12             | 12             | 2.2               |
| 28.    | 24.4                    | 24.5           | 25.5           | 24.8   | + 2.0           | 11.8                | 18.6           | 13.5           | 14.6   | - 2.1           | 10             | 10             | 50.7              |
| 29.    | 27.6                    | 25.9           | 25.2           | 26.2   | + 3.4           | 9.7                 | 20.2           | 14.0           | 14.6   | - 2.1           | 7              | 7              | 86.0              |
| 30.    | 23.7                    | 19.5           | 18.6           | 20.6   | - 2.2           | 10.1                | 20.4           | 16.5           | 15.7   | - 1.0           | 8              | 6              | 70.4              |
| 31.    | 18.7                    | 16.8           | 15.9           | 17.1   | - 5.7           | 14.3                | 20.0           | 16.4           | 16.9   | + 0.5           | 3              | 6              | 7.4               |
| Mittel | 25.13                   | 23.54          | 24.04          | 24.24  | +1.56           | 14.81               | 25.24          | 17.66          | 18.78  | +0.82           | 7.6            | 7.1            | 62.6              |

7.3

Am 21. Gewitter aus Süd ohne Regen. — Am 22. Gewitter in Süd ohne Regen.

# im August 1893.

Von F. Seeland.

| Dunstdrck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|-------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 9.3                     | 9.1            | 9.5            | 9.3    | 83                                    | 58             | 83             | 75     | 10                           | 3              | 2              | 5      | N <sup>1</sup>             | NE <sup>4</sup> | NE <sup>1</sup> | —                 |            |
| 8.7                     | 14.9           | 11.8           | 11.8   | 86                                    | 84             | 89             | 86     | 7                            | 5              | 3              | 5      | NE <sup>1</sup>            | NE <sup>2</sup> | NE              | Spur              |            |
| 10.5                    | 13.4           | 11.9           | 11.9   | 85                                    | 73             | 87             | 82     | 4                            | 4              | 0              | 3      | NW <sup>1</sup>            | NW <sup>3</sup> | NW <sup>1</sup> | 31                |            |
| 10.7                    | 15.3           | 14.2           | 13.4   | 86                                    | 72             | 86             | 81     | 0                            | 1              | 0              | 0      | NW <sup>1</sup>            | NW <sup>1</sup> | NE              | —                 |            |
| 11.8                    | 11.2           | 11.6           | 11.5   | 93                                    | 46             | 88             | 67     | 0                            | 4              | 10             | 5      | NW <sup>1</sup>            | NE <sup>2</sup> | SE <sup>1</sup> | 2.3               |            |
| 10.4                    | 9.4            | 9.6            | 9.8    | 87                                    | 49             | 91             | 76     | 10                           | 4              | 10             | 8      | NW <sup>1</sup>            | SW <sup>3</sup> | SE <sup>1</sup> | 7.2               | ↗          |
| 8.6                     | 7.8            | 10.2           | 8.9    | 86                                    | 43             | 83             | 71     | 10                           | 4              | 0              | 5      | NW <sup>1</sup>            | NW <sup>3</sup> | NE <sup>1</sup> | —                 |            |
| 8.2                     | 6.7            | 10.6           | 8.8    | 82                                    | 39             | 77             | 66     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> | —                 |            |
| 8.8                     | 10.0           | 11.2           | 10.0   | 83                                    | 48             | 74             | 68     | 0                            | 2              | 3              | 2      | NE <sup>1</sup>            | NE <sup>2</sup> | NW              | —                 |            |
| 10.0                    | 10.4           | 8.8            | 9.7    | 83                                    | 52             | 69             | 68     | 5                            | 6              | 0              | 4      | N <sup>1</sup>             | NE <sup>3</sup> | NE <sup>0</sup> | ↙                 |            |
| 9.9                     | 9.3            | 11.2           | 10.1   | 86                                    | 40             | 67             | 64     | 4                            | 4              | 9              | 6      | NW <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 9.6                     | 7.3            | 12.0           | 9.6    | 69                                    | 31             | 74             | 58     | 0                            | 4              | 1              | 2      | NW <sup>1</sup>            | NW <sup>3</sup> | NW <sup>1</sup> | —                 |            |
| 10.7                    | 9.9            | 11.7           | 10.8   | 69                                    | 41             | 72             | 61     | 0                            | 1              | 4              | 2      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 12.2                    | 10.4           | 12.6           | 11.7   | 86                                    | 40             | 73             | 66     | 10                           | 8              | 0              | 6      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 9.4                     | 9.3            | 11.4           | 10.0   | 73                                    | 39             | 67             | 60     | 0                            | 0              | 1              | 0      | NW <sup>1</sup>            | NW <sup>3</sup> | NE <sup>2</sup> | —                 |            |
| 11.5                    | 10.5           | 12.7           | 11.6   | 82                                    | 47             | 78             | 69     | 10                           | 1              | 0              | 4      | S <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 11.4                    | 9.9            | 13.1           | 11.5   | 86                                    | 36             | 71             | 64     | 0                            | 3              | 0              | 1      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 10.6                    | 10.2           | 14.0           | 11.6   | 86                                    | 37             | 67             | 63     | 4                            | 2              | 0              | 2      | N <sup>1</sup>             | N <sup>2</sup>  | NE <sup>2</sup> | —                 |            |
| 12.7                    | 12.3           | 15.1           | 13.4   | 80                                    | 44             | 74             | 66     | 0                            | 1              | 0              | 0      | N <sup>1</sup>             | NE <sup>2</sup> | NE <sup>2</sup> | ↗                 |            |
| 12.9                    | 14.7           | 14.3           | 14.0   | 82                                    | 52             | 78             | 71     | 0                            | 2              | 10             | 4      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | ↖                 |            |
| 13.5                    | 13.3           | 12.5           | 13.1   | 90                                    | 48             | 77             | 72     | 10                           | 4              | 0              | 5      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | Spur              | ↗          |
| 11.0                    | 11.2           | 15.0           | 12.4   | 85                                    | 43             | 82             | 70     | 2                            | 4              | 2              | 3      | NW <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | ↙                 |            |
| 12.3                    | 13.8           | 14.3           | 13.5   | 84                                    | 50             | 78             | 71     | 0                            | 3              | 0              | 1      | NW <sup>1</sup>            | SW <sup>1</sup> | NE <sup>0</sup> | 0.3               | ↖          |
| 12.6                    | 13.4           | 12.9           | 13.0   | 75                                    | 43             | 70             | 63     | 5                            | 4              | 10             | 6      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | Spur              |            |
| 12.4                    | 12.3           | 15.0           | 13.2   | 85                                    | 53             | 95             | 78     | 7                            | 8              | 10             | 8      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 3.2               |            |
| 9.6                     | 7.9            | 9.3            | 8.9    | 70                                    | 41             | 64             | 58     | 9                            | 3              | 10             | 7      | NE <sup>1</sup>            | W <sup>1</sup>  | SE <sup>1</sup> | 3.5               |            |
| 10.4                    | 10.1           | 9.9            | 10.1   | 91                                    | 59             | 89             | 80     | 10                           | 9              | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 8.6                     | 6.7            | 9.6            | 8.1    | 84                                    | 42             | 79             | 68     | 10                           | 3              | 2              | 5      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 7.9                     | 6.4            | 8.9            | 7.7    | 88                                    | 36             | 75             | 66     | 2                            | 2              | 0              | 1      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 8.4                     | 8.6            | 9.7            | 8.9    | 91                                    | 48             | 68             | 69     | 2                            | 1              | 3              | 2      | SW <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> | —                 |            |
| 10.5                    | 10.1           | 10.2           | 10.3   | 87                                    | 57             | 73             | 72     | 10                           | 8              | 10             | 9      | NE <sup>1</sup>            | SE <sup>1</sup> | SE <sup>1</sup> | —                 |            |
| 10.5                    | 10.5           | 11.7           | 10.9   | 83.3                                  | 48.1           | 77.4           | 69.6   | 4.6                          | 3.5            | 3.5            | 3.9    | 1.0                        | 1.6             | 1.4             | 19.6              |            |

### Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.950 Meter |
| Seelandbrunnen                  | 437.167 "     |
| Friedhofbrunnen                 | 436.884 "     |
| Maschinengewerbliche Fachschule | 436.160 "     |
| Wörtherseepegel                 | 441.294 "     |
| Höchster Pegelstand am 1. . .   | 441.368 "     |
| Tiefster , , 26.—31..           | 441.248 "     |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.360 Meter.  
Maximum am 1.—3. 426.540 Meter, Minimum am 31. 426.340 Meter.

# Vorläufige Uebersicht der Witterung in Kärnten im August 1893 vom Central-Observatorium in Wien.

| Stationen       | Seehöhe<br>Meter | Luftdruck in Millimeter |       |          |     | Luftwärme in Celsius ° |         |          |      | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>% | Wirkung | Herr-<br>schender<br>Wind | Niederschlag |                    |    | Tage   |           |      | darunter mit      |        |       |          |       |    |   |
|-----------------|------------------|-------------------------|-------|----------|-----|------------------------|---------|----------|------|-----------------------|------------------------|---------|---------------------------|--------------|--------------------|----|--------|-----------|------|-------------------|--------|-------|----------|-------|----|---|
|                 |                  | Grösster                | am    | Kleinste | am  | Mittel                 | Grösste | Kleinste | am   |                       |                        |         |                           | Mittel       | Grösster<br>in 24h | am | heiter | b. heiter | trüb | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |    |   |
| Klagenfurt I    | 448              | 728.3                   | 8.    | 715.9    | 31. | 724.2                  | 29.8    | 24.      | 9.7  | 29.                   | 18.4                   | 10.9    | 70                        | 3.9          | NE                 | 20 | 7      | 6.        | 15   | 12                | 4      | 6     | 0        | 0     | 5  | 1 |
| do. II          | 504              | —                       | —     | —        | —   | —                      | 31.5    | 24.      | 9.8  | 30.                   | 18.9                   | —       | —                         | 5.4          | SE                 | —  | —      | —         | 7    | 14                | 10     | 8     | 0        | 0     | 5  | 1 |
| Kappel a. d. Dr | 441              | —                       | —     | —        | —   | —                      | 30.8    | 24.      | 7.4  | 29.                   | 17.8                   | —       | —                         | 4.5          | NE                 | 30 | 9      | 5.        | 11   | 13                | 7      | 9     | 0        | 0     | 5  | 0 |
| St. Michael     | 495              | —                       | —     | —        | —   | —                      | 30.0    | 24.      | 8.6  | 30.                   | 17.8                   | —       | —                         | 4.6          | E                  | 52 | 16     | 2.        | 17   | 10                | 4      | 9     | 0        | 0     | 6  | 3 |
| Unterdrauburg   | 348              | —                       | —     | —        | —   | —                      | 31.6    | 24.      | 8.6  | 29.                   | 17.8                   | —       | —                         | 3.6          | E                  | 74 | 18     | 24.       | 20   | 30                | 8      | 10    | 0        | 0     | 4  | 0 |
| Liescha         | 552              | 719.8                   | 20.   | 708.2    | 31. | 716.0                  | 29.5    | 23.      | 7.3  | 29.                   | 16.5                   | —       | —                         | 4.8          | NE                 | 71 | 24     | 6.        | 12   | 8                 | 11     | 9     | 0        | 0     | 3  | 0 |
| Obir.           | 2047             | 604.2                   | 23.   | 591.4    | 31. | 599.8                  | 22.0    | 24.      | 0.8  | 27.                   | 9.2                    | 7.8     | 86                        | 4.0          | W                  | 69 | 28     | 21.       | 14   | 12                | 5      | 9     | 2        | 2     | 5  | 0 |
| St. Andrä       | 432              | 734.7                   | 16.   | 722.0    | 31. | 730.6                  | 32.0    | 24.      | 6.3  | 29.                   | 16.4                   | 11.5    | 80                        | 4.7          | SE                 | 39 | 14     | 21.       | 10   | 13                | 8      | 12    | 0        | 0     | 10 | 0 |
| St. Paul        | 394              | 731.8                   | 8.17. | 718.9    | 31. | 727.5                  | 30.2    | 24.      | 8.8  | 29.                   | 18.0                   | 11.3    | 73                        | —            | —                  | —  | —      | —         | —    | —                 | —      | 11    | 0        | 0     | 4  | 1 |
| Stelzing        | 1410             | —                       | —     | —        | —   | —                      | 22.8    | 19.      | 5.0  | 1.                    | 12.4                   | —       | —                         | 5.2          | E                  | —  | —      | —         | —    | —                 | —      | 3     | 0        | 0     | 1  | 0 |
| Knappenberg     | 1045             | —                       | —     | —        | —   | —                      | 26.2    | 23.      | 5.5  | 30.                   | 14.6                   | 9.6     | 77                        | 3.2          | E                  | 64 | 19     | 5.        | 18   | 12                | 1      | 12    | 0        | 0     | 5  | 0 |
| Hüttenberg      | 783              | 700.3                   | 18.   | 687.3    | 31. | 696.3                  | 28.0    | 23.      | 5.2  | 29.                   | 16.3                   | —       | —                         | 3.3          | N                  | 21 | 7      | 24.       | 18   | 11                | 2      | 6     | 0        | 0     | 4  | 1 |
| Guttaring       | 642              | —                       | —     | —        | —   | —                      | 29.0    | 24.      | 5.8  | 7.                    | 16.1                   | —       | —                         | 3.0          | —                  | 24 | 10     | 20.       | 17   | 8                 | 6      | 5     | 0        | 0     | 0  | 0 |
| Eberstein       | 640              | —                       | —     | —        | —   | —                      | 27.6    | 19.      | 9.2  | 8.                    | 17.7                   | —       | —                         | 3.1          | SW                 | 42 | 24     | 5.        | 4    | 5                 | 9      | 9     | 0        | 0     | 4  | 2 |
| Spittal         | 554              | 718.4                   | 29.   | 707.1    | 31. | 714.9                  | 29.6    | 17.      | 8.4  | 30.                   | 17.2                   | 10.4    | 72                        | 4.4          | SE                 | 36 | 7      | 5.        | 11   | 14                | 6      | 10    | 0        | 2     | 5  | 1 |
| St. Peter i. K. | 1217             | —                       | —     | —        | —   | —                      | 25.7    | 18.      | 5.4  | 29.                   | 13.6                   | —       | —                         | 3.5          | N                  | 40 | 9      | 5.        | 14   | 12                | 5      | 10    | 0        | 0     | 6  | 0 |
| Pörtschach      | 464              | —                       | —     | —        | —   | —                      | 29.0    | 17.      | 10.4 | 7.                    | 19.2                   | —       | —                         | —            | —                  | —  | —      | —         | —    | —                 | —      | —     | —        | —     | —  | — |
| Radweg          | 692              | —                       | —     | —        | —   | —                      | 27.4    | 24.      | 9.2  | 29.                   | 17.2                   | —       | —                         | 4.2          | N                  | 44 | 12     | 5.        | 12   | 10                | 9      | 7     | 0        | 0     | 8  | 2 |
| Sirnitz         | 800              | —                       | —     | —        | —   | —                      | 26.2    | 22.      | 10.0 | 6.                    | 16.9                   | —       | —                         | 4.4          | SE                 | —  | —      | —         | 10   | 15                | 6      | 7     | 0        | 0     | 5  | 0 |
| Bad Villach     | 4.8              | —                       | —     | —        | —   | —                      | 27.0    | 24.      | 8.4  | 30.                   | 17.0                   | —       | —                         | —            | —                  | —  | —      | —         | —    | —                 | —      | —     | —        | —     | —  | — |
| W. Bleiberg     | 948              | —                       | —     | —        | —   | —                      | 26.1    | 21.      | 8.0  | 28.                   | 15.5                   | —       | —                         | 2.2          | —                  | 47 | 9      | 6.        | —    | —                 | —      | 9     | 0        | 0     | 0  | 0 |
| Raibl           | 981              | —                       | —     | —        | —   | —                      | 30.4    | 23.      | 6.2  | 28.                   | 15.8                   | —       | —                         | 3.5          | E                  | 45 | 18     | 1.        | 19   | 6                 | 6      | 10    | 0        | 0     | 6  | 0 |
| Radenthein      | 738              | —                       | —     | —        | —   | —                      | 28.1    | 23.      | 7.4  | 31.                   | 17.2                   | —       | —                         | 3.5          | —                  | 35 | 16     | 5.        | 19   | 5                 | 7      | 11    | 0        | 0     | 5  | 1 |
| Waidegg         | 640              | —                       | —     | —        | —   | —                      | 32.0    | 24.      | 9.8  | 29.                   | 18.8                   | —       | —                         | 2.2          | NE                 | —  | —      | —         | 23   | 7                 | 1      | 9     | 0        | 0     | 4  | 0 |
| Cornat          | 1067             | —                       | —     | —        | —   | —                      | 27.3    | 23.      | 9.2  | 7.                    | 16.3                   | 10.9    | 76                        | 3.3          | N                  | 35 | 18     | 5.        | 19   | 8                 | 4      | 6     | 0        | 0     | 1  | 0 |
| Teichl          | 1080             | —                       | —     | —        | —   | —                      | 25.6    | 23.      | 7.0  | 28.                   | 14.3                   | —       | —                         | 4.0          | —                  | 27 | 6      | 5.        | 15   | 6                 | 10     | 13    | 0        | 1     | 4  | 0 |
| Oberdrauburg    | 610              | —                       | —     | —        | —   | —                      | 30.0    | 19.      | 8.8  | 7.                    | 16.8                   | —       | —                         | 2.9          | NW                 | 73 | 29     | 22.       | —    | —                 | —      | 9     | 0        | 0     | 3  | 1 |
| Greifenburg     | 528              | —                       | —     | —        | —   | —                      | 29.2    | 19.      | 9.4  | 29.                   | 17.9                   | —       | —                         | 4.0          | E                  | 75 | 20     | 6. 20.    | 11   | 12                | 8      | 8     | 0        | 0     | 2  | 6 |
| Jauken          | 2072             | —                       | —     | —        | —   | —                      | 24.0    | 23.      | 2.0  | 1.                    | 10.1                   | —       | —                         | 2.4          | S                  | 35 | 14     | 31.       | 23   | 5                 | 3      | 6     | 0        | 0     | 0  | 0 |
| St. Walburgen   | 528              | —                       | —     | —        | —   | —                      | 24.6    | 24.      | 11.7 | 1.                    | 17.6                   | —       | —                         | 3.6          | S                  | 63 | 20     | 5.        | 17   | 7                 | 7      | 10    | 0        | 1     | 3  | 0 |
| Glocknerhaus    | 2111             | —                       | —     | —        | —   | —                      | 19.0    | 15.      | 1.3  | 28.                   | 8.9                    | —       | —                         | 3.3          | NW                 | 47 | 12     | 6.        | —    | —                 | —      | 9     | 3        | 0     | 1  | 4 |
| Sonnblick       | 3093             | 532.0                   | 23.   | 519.0    | 21. | 526.7                  | 9.6     | 24.      | -6.8 | 28.                   | 0.9                    | —       | —                         | 85           | 5.7                | NW | 75     | 13        | 5.   | 8                 | 8      | 15    | 17       | 9     | 4  | 3 |

XXXVI

# Magnetische Declinations-Beobachtungen zu Klagenfurt

von  
September **F. Seeland.** 1893.

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              |                 | Min.                 | Minuten           |           |                                                       |
| 1.     | 34·6                      | 43·4           | 34·6           | 37·2         | 8·8             | 54·8                 | 63·54             | 48·73     | 437·126                                               |
| 2.     | 34·0                      | 42·7           | 39·3           | 38·7         | 8·7             | 54·1                 | 62·47             | 47·97     | 437·118                                               |
| 3.     | 36·0                      | 46·0           | 38·7           | 40·2         | 10·0            | 55·4                 | 64·05             | 49·20     | 437·111                                               |
| 4.     | 36·0                      | 44·7           | 38·0           | 39·6         | 8·7             | 54·6                 | 62·59             | 49·27     | 437·106                                               |
| 5.     | 34·6                      | 47·4           | 39·3           | 40·3         | 12·8            | 54·4                 | 62·01             | 49·90     | 437·102                                               |
| 6.     | 39·3                      | 46·0           | 38·7           | 41·3         | 7·3             | —                    | 63·17             | 50·27     | 437·091                                               |
| 7.     | 34·6                      | 47·0           | 40·0           | 40·5         | 12·4            | —                    | 62·54             | 48·93     | 437·104                                               |
| 8.     | 38·0                      | 46·0           | 35·3           | 39·8         | 10·7            | —                    | 62·03             | 48·40     | 437·094                                               |
| 9.     | 40·0                      | 45·4           | 36·0           | 40·5         | 9·4             | —                    | 61·38             | 49·30     | 437·102                                               |
| 10.    | 36·0                      | 46·0           | 37·3           | 39·8         | 10·0            | —                    | 62·74             | 50·43     | 437·096                                               |
| 11.    | 36·0                      | 47·4           | 36·0           | 39·8         | 11·4            | 55·5                 | 62·38             | 50·10     | 437·076                                               |
| 12.    | 35·3                      | 46·0           | 36·0           | 39·1         | 10·7            | 54·9                 | 60·67             | 48·60     | 437·066                                               |
| 13.    | 36·6                      | 45·4           | 39·3           | 40·4         | 8·8             | 56·4                 | 62·23             | 50·47     | 437·058                                               |
| 14.    | 34·6                      | 46·0           | 36·0           | 38·9         | 11·4            | 55·4                 | 61·70             | 48·20     | 437·046                                               |
| 15.    | 34·0                      | 45·4           | 37·3           | 38·9         | 11·4            | 55·6                 | 61·75             | 49·40     | 437·046                                               |
| 16.    | 36·0                      | 42·7           | 38·7           | 39·3         | 6·7             | 55·7                 | 60·57             | 49·40     | 437·041                                               |
| 17.    | 34·6                      | 45·4           | 36·6           | 38·9         | 10·8            | 55·9                 | 60·75             | 49·70     | 437·031                                               |
| 18.    | 35·3                      | 44·0           | 36·0           | 38·4         | 8·7             | 55·8                 | 62·31             | 47·73     | 437·031                                               |
| 19.    | 35·3                      | 44·0           | 36·0           | 38·4         | 8·7             | 56·3                 | 61·46             | 49·60     | 437·114                                               |
| 20.    | 35·3                      | 44·7           | 55·3           | 38·4         | 9·4             | 56·2                 | 63·27             | 48·90     | 437·116                                               |
| 21.    | 35·3                      | 44·0           | 36·0           | 38·4         | 8·7             | 56·9                 | 60·74             | 49·27     | 437·111                                               |
| 22.    | 37·3                      | 42·7           | 37·3           | 39·1         | 5·4             | 56·3                 | 60·34             | 49·17     | 437·112                                               |
| 23.    | 35·3                      | 44·0           | 36·6           | 36·8         | 8·7             | 56·4                 | 61·24             | 50·33     | 437·113                                               |
| 24.    | 35·3                      | 44·7           | 36·6           | 38·9         | 9·4             | 56·9                 | 61·85             | 48·47     | 437·108                                               |
| 25.    | 35·3                      | 43·0           | 37·3           | 38·5         | 7·7             | 57·3                 | 61·87             | 49·27     | 437·101                                               |
| 26.    | 34·6                      | 44·0           | 36·0           | 38·2         | 9·4             | 56·1                 | 63·59             | 48·50     | 437·106                                               |
| 27.    | 35·3                      | 44·7           | 36·6           | 38·9         | 9·4             | 55·2                 | 62·65             | 52·33     | 437·149                                               |
| 28.    | 36·6                      | 42·0           | 36·6           | 38·4         | 5·4             | 53·3                 | 61·89             | 48·50     | 437·158                                               |
| 29.    | 36·0                      | 44·0           | 30·6           | 36·9         | 13·3            | 52·7                 | 60·86             | 45·13     | 437·156                                               |
| 30.    | 34·0                      | 46·7           | 38·0           | 39·6         | 12·7            | 55·1                 | 62·77             | 48·93     | 437·159                                               |
| Mittel | 35·7                      | 44·8           | 36·9           | 39·1         | 9·6             | 55·5                 | 62·05             | 49·15     | 437·098                                               |

Die mittlere magnetische Declination in Klagenfurt war 9° 39'1" westlich, das Maximum 9° 41'3" am 6. und das Minimum 9° 36'8" am 23.

Die mittlere Tagesvariation war 9'6", mit dem Maximum 13'3" am 29. und dem Minimum 5'4" am 22. und 28.



# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
|        |                         |                |                |        |                 |                     |                |                |        |                 |                |                |                   |
| 1.     | 17.5                    | 18.6           | 23.1           | 19.7   | - 3.1           | 12.7                | 20.0           | 14.0           | 15.6   | - 0.6           | 7              | 7              | 47.8              |
| 2.     | 24.2                    | 21.6           | 20.6           | 22.1   | - 0.7           | 8.8                 | 16.3           | 11.7           | 12.3   | - 3.7           | 6              | 6              | 20.3              |
| 3.     | 21.7                    | 21.8           | 25.0           | 22.8   | 0.0             | 9.1                 | 12.9           | 12.9           | 13.9   | - 1.9           | 4              | 8              | 51.1              |
| 4.     | 26.6                    | 25.3           | 26.0           | 26.0   | + 3.2           | 7.5                 | 17.8           | 11.2           | 12.2   | - 3.5           | 7              | 7              | 81.8              |
| 5.     | 26.8                    | 25.0           | 25.0           | 25.6   | + 2.8           | 7.2                 | 19.1           | 13.5           | 13.3   | - 3.5           | 8              | 10             | 77.3              |
| 6.     | 25.6                    | 22.8           | 22.8           | 23.7   | + 0.9           | 9.7                 | 22.4           | 16.4           | 16.2   | + 0.9           | 8              | 8              | 61.8              |
| 7.     | 22.1                    | 22.2           | 23.2           | 22.5   | 0.3             | 12.8                | 24.6           | 18.8           | 18.7   | + 3.5           | 6              | 4              | 70.0              |
| 8.     | 24.0                    | 21.3           | 20.1           | 21.8   | - 1.0           | 15.0                | 23.7           | 19.6           | 19.4   | + 4.3           | 5              | 4              | 30.2              |
| 9.     | 18.7                    | 16.7           | 19.7           | 18.4   | - 4.4           | 16.1                | 16.6           | 12.3           | 15.0   | + 0.2           | 12             | 12             | 16.3              |
| 10.    | 21.3                    | 20.0           | 21.3           | 20.9   | - 1.9           | 10.0                | 17.0           | 11.8           | 12.9   | - 1.7           | 8              | 12             | 57.4              |
| 11.    | 25.0                    | 26.5           | 27.6           | 26.4   | + 3.6           | 9.4                 | 16.8           | 13.4           | 13.2   | - 1.1           | 5              | 7              | 14.8              |
| 12.    | 27.8                    | 27.2           | 28.4           | 27.8   | + 5.1           | 11.8                | 19.6           | 14.6           | 15.3   | + 1.0           | 9              | 6              | 39.8              |
| 13.    | 29.3                    | 28.1           | 27.5           | 28.3   | + 5.6           | 12.8                | 20.4           | 14.6           | 15.9   | + 2.2           | 9              | 4              | 64.6              |
| 14.    | 28.4                    | 26.3           | 26.9           | 27.2   | + 4.5           | 12.0                | 25.4           | 18.6           | 18.7   | + 5.1           | 7              | 5              | 60.6              |
| 15.    | 29.2                    | 28.7           | 28.6           | 29.0   | + 6.3           | 14.2                | 22.2           | 14.9           | 17.1   | + 4.6           | 5              | 8              | 71.4              |
| 16.    | 26.7                    | 23.1           | 22.2           | 24.0   | + 1.3           | 11.4                | 23.2           | 19.3           | 18.0   | + 4.5           | 6              | 6              | 44.0              |
| 17.    | 19.4                    | 16.0           | 15.6           | 17.0   | - 5.7           | 13.3                | 24.0           | 16.1           | 17.8   | + 4.3           | 7              | 10             | —                 |
| 18.    | 15.9                    | 15.8           | 18.5           | 16.7   | - 6.0           | 14.3                | 19.2           | 13.6           | 15.7   | + 2.2           | 7              | 14             | 40.3              |
| 19.    | 19.7                    | 20.6           | 20.4           | 20.2   | - 2.5           | 13.2                | 17.6           | 13.4           | 14.7   | + 1.3           | 10             | 6              | 24.2              |
| 20.    | 19.3                    | 15.7           | 14.5           | 16.5   | - 6.2           | 10.8                | 16.8           | 14.7           | 14.1   | + 0.7           | 6              | 5              | 9.7               |
| 21.    | 17.6                    | 18.1           | 18.4           | 18.0   | - 4.7           | 13.4                | 20.4           | 13.9           | 15.9   | + 2.6           | 6              | 7              | 52.0              |
| 22.    | 19.3                    | 18.2           | 19.4           | 19.0   | 3.6             | 11.8                | 20.8           | 15.3           | 16.0   | + 2.8           | 7              | 9              | 48.4              |
| 23.    | 21.0                    | 20.0           | 19.7           | 20.2   | 2.4             | 13.4                | 18.4           | 17.1           | 16.3   | + 3.2           | 10             | 8              | 24.2              |
| 24.    | 20.0                    | 19.0           | 18.4           | 19.1   | - 3.5           | 13.7                | 20.3           | 16.5           | 16.8   | + 3.7           | 8              | 8              | 8.3               |
| 25.    | 23.3                    | 26.7           | 24.5           | 24.8   | + 2.2           | 10.2                | 12.2           | 11.8           | 11.1   | - 1.9           | 13             | 14             | —                 |
| 26.    | 21.2                    | 22.1           | 24.8           | 22.7   | + 0.1           | 9.6                 | 11.6           | 8.1            | 9.8    | - 3.0           | 6              | 13             | —                 |
| 27.    | 26.2                    | 25.6           | 25.6           | 25.8   | + 3.2           | 6.0                 | 12.0           | 7.1            | 8.5    | - 4.2           | 8              | 7              | 42.0              |
| 28.    | 25.3                    | 23.3           | 23.2           | 23.9   | + 1.3           | 6.0                 | 13.6           | 9.3            | 9.6    | - 2.9           | 5              | 3              | 44.3              |
| 29.    | 24.0                    | 21.9           | 21.3           | 22.4   | - 0.2           | 7.3                 | 15.2           | 9.9            | 10.8   | - 1.6           | 3              | 3              | 46.6              |
| 30.    | 21.6                    | 19.0           | 19.1           | 19.9   | - 2.6           | 7.5                 | 17.8           | 12.2           | 12.5   | + 0.2           | 3              | 4              | 69.2              |
| Mittel | 22.68                   | 21.01          | 22.38          | 22.42  | -0.30           | 11.04               | 18.83          | 13.85          | 14.58  | +0.65           | 7.0            | 7.5            | 40.61             |

# im September 1893. Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 9.3                      | 6.6            | 9.9            | 8.6    | 86                                    | 38             | 84             | 69     | 4                            | 10             | 10             | 8      | NW <sup>1</sup>            | NE <sup>5</sup> | SW <sup>1</sup> | 1.2               |            |
| 7.2                      | 7.8            | 9.2            | 8.1    | 86                                    | 57             | 91             | 78     | 0                            | 10             | 0              | 3      | S <sup>1</sup>             | SE <sup>1</sup> | NE <sup>1</sup> | 0.4               |            |
| 7.7                      | 6.6            | 6.1            | 6.8    | 91                                    | 39             | 55             | 62     | 10                           | 5              | 0              | 5      | NE <sup>1</sup>            | NW <sup>3</sup> | NE <sup>3</sup> | Spur              |            |
| 5.9                      | 6.4            | 7.5            | 6.6    | 77                                    | 42             | 75             | 65     | 3                            | 2              | 0              | 2      | N <sup>1</sup>             | NE <sup>2</sup> | NE <sup>1</sup> | —                 |            |
| 6.0                      | 8.3            | 9.0            | 7.8    | 79                                    | 51             | 79             | 70     | 2                            | 2              | 0              | 1      | NE <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 8.3                      | 10.2           | 10.9           | 9.8    | 92                                    | 51             | 78             | 74     | 0                            | 4              | 0              | 1      | N <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 9.1                      | 9.8            | 11.8           | 10.2   | 83                                    | 43             | 73             | 66     | 2                            | 3              | 10             | 5      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 0.4               |            |
| 10.5                     | 10.3           | 10.9           | 10.6   | 83                                    | 48             | 64             | 65     | 3                            | 10             | 10             | 8      | NW <sup>1</sup>            | NW <sup>1</sup> | SW <sup>1</sup> | —                 |            |
| 12.5                     | 9.8            | 9.1            | 10.5   | 91                                    | 69             | 87             | 82     | 10                           | 10             | 10             | 10     | S <sup>1</sup>             | NW <sup>3</sup> | SE <sup>1</sup> | 3.3               | 17         |
| 7.8                      | 8.5            | 8.8            | 8.4    | 86                                    | 59             | 86             | 77     | 10                           | 2              | 0              | 4      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 11.3              |            |
| 8.0                      | 9.1            | 8.6            | 8.6    | 91                                    | 64             | 75             | 77     | 5                            | 10             | 4              | 6      | NW <sup>1</sup>            | NW <sup>4</sup> | NE <sup>1</sup> | —                 |            |
| 8.8                      | 9.6            | 9.7            | 9.4    | 86                                    | 56             | 78             | 73     | 10                           | 8              | 10             | 9      | NW <sup>1</sup>            | NW <sup>2</sup> | NW <sup>1</sup> | —                 |            |
| 9.3                      | 10.1           | 10.6           | 10.0   | 86                                    | 56             | 86             | 76     | 5                            | 1              | 0              | 2      | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 9.2                      | 12.4           | 12.5           | 11.4   | 89                                    | 51             | 79             | 73     | 1                            | 2              | 10             | 4      | NW <sup>1</sup>            | SW <sup>1</sup> | NW <sup>1</sup> | Spur              |            |
| 10.7                     | 12.0           | 10.5           | 11.1   | 90                                    | 61             | 84             | 78     | 7                            | 0              | 0              | 2      | NE <sup>1</sup>            | NE <sup>3</sup> | NE <sup>1</sup> | —                 |            |
| 9.2                      | 12.4           | 13.2           | 11.6   | 92                                    | 59             | 79             | 77     | 10                           | 1              | 1              | 4      | NE <sup>1</sup>            | W <sup>1</sup>  | NW <sup>1</sup> | —                 |            |
| 10.1                     | 13.1           | 12.8           | 12.0   | 89                                    | 60             | 94             | 81     | 2                            | 10             | 10             | 7      | NE                         | SW <sup>6</sup> | SW <sup>1</sup> | 17                | 17         |
| 10.9                     | 8.2            | 11.1           | 10.1   | 91                                    | 50             | 96             | 79     | 10                           | 10             | 10             | 10     | SW <sup>0</sup>            | NW <sup>3</sup> | NW <sup>1</sup> | 11.8              | 17         |
| 10.0                     | 10.0           | 11.5           | 10.5   | 89                                    | 67             | 75             | 77     | 10                           | 3              | 8              | 7      | E <sup>1</sup>             | NE <sup>3</sup> | NE <sup>1</sup> | 12.9              |            |
| 9.0                      | 10.9           | 11.8           | 10.9   | 94                                    | 83             | 94             | 90     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>2</sup> | 6.5               | 17         |
| 10.7                     | 8.7            | 9.1            | 9.5    | 94                                    | 49             | 58             | 67     | 9                            | 2              | 1              | 4      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 9.2                      | 11.1           | 10.4           | 10.2   | 90                                    | 61             | 81             | 77     | 4                            | 5              | 10             | 6      | NE <sup>1</sup>            | SW <sup>2</sup> | SW <sup>1</sup> | 0.2               |            |
| 9.4                      | 12.1           | 9.7            | 10.4   | 82                                    | 77             | 67             | 75     | 5                            | 8              | 10             | 8      | NE <sup>2</sup>            | N <sup>1</sup>  | SW <sup>1</sup> | .                 |            |
| 10.5                     | 11.9           | 13.1           | 11.8   | 91                                    | 67             | 94             | 84     | 10                           | 10             | 10             | 10     | SW <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | 0.7               |            |
| 8.1                      | 8.2            | 8.8            | 8.2    | 87                                    | 78             | 87             | 84     | 10                           | 10             | 2              | 7      | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>1</sup> | 11.3              |            |
| 8.0                      | 8.4            | 6.8            | 7.7    | 89                                    | 84             | 85             | 86     | 10                           | 10             | 10             | 10     | E <sup>1</sup>             | NE <sup>1</sup> | NE <sup>2</sup> | 19.9              | 17         |
| 6.5                      | 7.1            | 6.7            | 6.8    | 93                                    | 68             | 88             | 83     | 8                            | 3              | 0              | 4      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 36.3              |            |
| 5.2                      | 7.2            | 7.6            | 6.7    | 75                                    | 62             | 88             | 75     | 10                           | 3              | 0              | 4      | SE <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 6.1                      | 9.0            | 7.0            | 7.4    | 80                                    | 70             | 78             | 76     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 7.5                      | 8.8            | 8.7            | 8.3    | 98                                    | 58             | 83             | 80     | 10                           | 1              | 1              | 4      | NW <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 8.69                     | 95.20          | 97.60          | 9.33   | 87.7                                  | 59.3           | 80.7           | 75.9   | 6.7                          | 5.5            | 4.9            | 5.6    | 1.0                        | 1.9             | 1.1             | 116.0             |            |

## Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.840 Meter |
| Seelandbrunnen                  | 437.098       |
| Friedhofbrunnen                 | 436.748       |
| Maschinengewerbliche Fachschule | 436.050       |
| Wörtherseepegel                 | 441.254       |
| Höchster Pegelstand am 27.      | 441.288       |
| Tiefster „ „ 4.                 | 441.238       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 427.130 Meter.  
Maximum am 27. 427.690 Meter, Minimum am 9. 426.940 Meter.

## Vorläufige Uebersicht der Witterung in Kärnten im September 1893 vom Central-Observatorium in Wien.

| Stationen        | Seehöhe<br>Meter | Luftdruck in Millimeter |     |          |     |        | Luftwärme in Celsius ° |     |          |            |        | Dunst-<br>druck<br>mm | Feuch-<br>tigkei-<br>t<br>% | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |                    |     | Tage   |           |      | darunter mit      |        |       |          |       |    |
|------------------|------------------|-------------------------|-----|----------|-----|--------|------------------------|-----|----------|------------|--------|-----------------------|-----------------------------|-----------|---------------------------|--------------|--------------------|-----|--------|-----------|------|-------------------|--------|-------|----------|-------|----|
|                  |                  | Grösster                | am  | Kleinst. | am  | Mittel | Grösste.               | am  | Kleinste | am         | Mittel |                       |                             |           |                           | Summe        | Grösster<br>in 24h | am  | heiter | u. heiter | trüb | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |    |
| Klagenfurt I     | 448              | 729.3                   | 13. | 714.5    | 20. | 722.4  | 25.4                   | 14. | 6.0      | 27. u. 28. | 14.4   | 9.3                   | 76                          | 5.6       | NE                        | 116          | 36                 | 27. | 7      | 11        | 12   | 13                | 0      | 0     | 5        | 0     |    |
| dto. II          | 504              | —                       | —   | —        | —   | —      | 26.6                   | 14. | 5.5      | 28.        | 14.8   | —                     | 6.7                         | NE        | —                         | —            | —                  | 3   | 10     | 17        | 14   | 0                 | 0      | 3     | 0        |       |    |
| Kappel a. d. Dr. | 441              | —                       | —   | —        | —   | —      | 25.4                   | 14. | 5.0      | 28.        | 16.2   | —                     | 6.4                         | SE        | 116                       | 36           | 18.                | 4   | 11     | 15        | 11   | 0                 | 0      | 6     | 1        |       |    |
| Saager           | 486              | —                       | —   | —        | —   | —      | 20.7                   | 17. | 5.6      | 28.        | 14.4   | —                     | —                           | —         | 136                       | 35           | 26.                | —   | —      | —         | 13   | 0                 | 0      | 0     | 0        |       |    |
| St. Michael      | 495              | —                       | —   | —        | —   | —      | 24.4                   | 8.  | 2.8      | 28.        | 13.6   | —                     | 6.0                         | NE        | 154                       | 34           | 9.                 | 2   | 13     | 15        | 12   | 0                 | 0      | 7     | 0        |       |    |
| Unterdrauburg    | 343              | —                       | —   | —        | —   | —      | 26.4                   | 14. | 4.0      | 28.        | 14.4   | —                     | 6.2                         | E         | 119                       | 27           | 9.                 | 11  | 7      | 12        | 10   | 0                 | 0      | 2     | 0        |       |    |
| Liescha          | 552              | 721.7                   | 15. | 707.3    | 20. | 714.2  | 25.0                   | 17. | 4.0      | 28.        | 13.0   | —                     | 6.2                         | NE        | 144                       | 25           | 18.                | 5   | 12     | 13        | 11   | 0                 | 0      | 6     | 0        |       |    |
| Bad Vellach      | 805              | —                       | —   | —        | —   | —      | 22.4                   | 7.  | 5.4      | 28.        | 13.7   | —                     | —                           | —         | —                         | —            | —                  | —   | —      | —         | —    | —                 | —      | —     | —        |       |    |
| Eisenkappel      | 554              | —                       | —   | —        | —   | —      | 25.0                   | 15. | 4.6      | 29.        | 14.4   | —                     | —                           | —         | 165                       | 36           | 24.                | —   | —      | —         | 13   | 0                 | 0      | 0     | 0        |       |    |
| Obir.            | 2047             | 604.1                   | 15. | 591.2    | 20. | 596.8  | 19.1                   | 16. | —3.0     | 26.        | 6.2    | 6.4                   | 90                          | 5.7       | SW                        | 165          | 43                 | 26. | 11     | 4         | 15   | 16                | 3      | 0     | 2        | 5     |    |
| St. Walburgen    | 528              | —                       | —   | —        | —   | —      | 20.1                   | 17. | 7.7      | 28.        | 14.5   | —                     | 4.6                         | —         | 142                       | 24           | 26.                | 11  | 8      | 11        | 12   | 0                 | 0      | 1     | 0        |       |    |
| St. Andrä.       | 432              | 737.0                   | 15. | 721.2    | 17. | 728.7  | 27.4                   | 17. | 2.3      | 28.        | 13.2   | 9.6                   | 85                          | 6.3       | SE                        | 105          | 23                 | 24. | 4      | 13        | 13   | 14                | 0      | 0     | 6        | 3     |    |
| Stelzing         | 1410             | —                       | —   | —        | —   | —      | 20.0                   | 16. | 1.8      | 27.        | 9.1    | —                     | 6.1                         | W         | —                         | —            | —                  | 8   | 6      | 16        | —    | —                 | —      | —     | —        |       |    |
| Knappenberg      | 1045             | —                       | —   | —        | —   | —      | 22.9                   | 16. | 2.4      | 27.        | 11.4   | 8.4                   | 83                          | 4.3       | SW                        | 83           | 24                 | 26. | 11     | 13        | 6    | 9                 | 0      | 0     | 3        | 0     |    |
| Hüttenberg       | 783              | 701.4                   | 15. | 685.5    | 20. | 693.9  | 23.8                   | 16. | 4.0      | 28.        | 13.2   | —                     | 4.3                         | W         | 63                        | 17           | 26.                | 12  | 10     | 8         | 10   | 0                 | 0      | 0     | 2        |       |    |
| St. Peter i. K.  | 1217             | —                       | —   | —        | —   | —      | 23.4                   | 16. | 2.0      | 27. u. 28. | 10.7   | —                     | 5.8                         | E         | 87                        | 15           | 25.                | 7   | 10     | 13        | 16   | 0                 | 0      | 2     | 0        |       |    |
| Radweg           | 692              | —                       | —   | —        | —   | —      | 23.6                   | 8.  | 4.0      | 28.        | 13.4   | —                     | 5.6                         | W         | 104                       | 30           | 26.                | 8   | 9      | 13        | 15   | 0                 | 0      | 6     | 3        |       |    |
| Sirnitz.         | 800              | —                       | —   | —        | —   | —      | 17.2                   | 24. | 7.2      | 30.        | 11.6   | —                     | 5.1                         | SE        | —                         | —            | —                  | 13  | 4      | 13        | 13   | 0                 | 0      | 2     | 0        |       |    |
| Bleiberg         | 927              | 690.8                   | 15. | 676.6    | 20. | 683.5  | 22.4                   | 16. | 3.3      | 27.        | 12.4   | —                     | 4.7                         | NW        | 140                       | 35           | 26.                | 9   | 16     | 5         | 9    | 0                 | 0      | 0     | 0        |       |    |
| Spittal a. D.    | 554              | 719.4                   | 13. | 705.3    | 20. | 712.8  | 25.4                   | 14. | 4.4      | 28.        | 14.0   | 9.1                   | 77                          | 6.5       | SE                        | 96           | 23                 | 26. | 4      | 13        | 13   | 13                | 0      | 0     | 3        | 1     |    |
| Raibl            | 981              | —                       | —   | —        | —   | —      | 24.6                   | 16. | 3.6      | 27.        | 11.7   | —                     | 5.8                         | SE        | 222                       | 41           | 17.                | 9   | 4      | 17        | 16   | 0                 | 0      | 0     | 4        |       |    |
| Oberdrauburg     | 610              | —                       | —   | —        | —   | —      | 25.0                   | 15. | 4.7      | 28.        | 14.1   | —                     | 4.8                         | NW        | 69                        | 17           | 8.                 | 9   | 8      | 13        | 12   | 0                 | 0      | 1     | 0        |       |    |
| Greifenburg.     | 528              | —                       | —   | —        | —   | —      | 24.6                   | 15. | 4.2      | 28.        | 14.1   | —                     | 6.3                         | E         | 120                       | 36           | 23.                | 4   | 10     | 16        | 10   | 0                 | 1      | 3     | 0        |       |    |
| Glocknerhaus     | 2111             | —                       | —   | —        | —   | —      | 14.3                   | 16. | 0.0      | 2. u. 27.  | 6.1    | —                     | 6.4                         | NW        | 115                       | 13           | 26.                | 6   | 9      | 15        | 22   | 6                 | 0      | 0     | 4        |       |    |
| Teichl           | 1080             | —                       | —   | —        | —   | —      | 20.2                   | 6.  | 3.0      | 27.        | 10.5   | —                     | 5.8                         | N         | 113                       | 16           | 8.                 | 10  | 7      | 13        | 12   | 0                 | 0      | 1     | 0        |       |    |
| Jauken.          | 2072             | —                       | —   | —        | —   | —      | 21.0                   | 16. | —1.0     | 27.        | 5.1    | —                     | 4.9                         | S         | 138                       | 76           | 30.                | 10  | 8      | 12        | 5    | 0                 | 0      | 0     | 0        |       |    |
| Sonnblick.       | 3093             | 531.2                   | 15. | 517.5    | 20. | 523.1  | 6.6                    | 16. | —8.6     | 4.         | —      | 1.0                   | —                           | 87        | 6.8                       | SW           | 118                | 27  | 3.     | 3         | 6    | 21                | 22     | 16    | 1        | 2     | 13 |

# Magnetische Declinations-Beobachtungen zu Klagenfurt

von  
**F. Seeland.** 1893.

October

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                   |           |                                                       |
| 1.     | 34·6                      | 42·7           | 37·3           | 38·2         | 8·1             | 54·7                 | 62·14             | 48·33     | 437·161                                               |
| 2.     | 36·0                      | 40·6           | 35·3           | 37·3         | 5·3             | 54·9                 | 60·33             | 49·10     | 437·163                                               |
| 3.     | 35·3                      | 44·0           | 34·0           | 37·8         | 10·0            | 50·0                 | 60·49             | 47·50     | 437·166                                               |
| 4.     | 37·3                      | 42·7           | 36·6           | 36·9         | 6·1             | 54·4                 | 61·40             | 48·50     | 437·176                                               |
| 5.     | 40·6                      | 44·7           | 29·3           | 38·2         | 15·4            | 55·4                 | 60·66             | 47·53     | 437·181                                               |
| 6.     | 38·0                      | 44·0           | 36·0           | 39·3         | 8·0             | 55·8                 | 60·97             | 47·53     | 437·182                                               |
| 7.     | 34·6                      | 44·0           | 34·6           | 37·7         | 9·4             | 56·1                 | 60·16             | 48·00     | 437·186                                               |
| 8.     | 36·0                      | 42·7           | 36·6           | 38·4         | 6·7             | 55·6                 | 60·65             | 48·20     | 437·191                                               |
| 9.     | 36·0                      | 43·4           | 36·0           | 38·5         | 7·4             | 56·1                 | 61·20             | 48·73     | 437·196                                               |
| 10.    | 37·3                      | 43·4           | 33·3           | 38·0         | 10·1            | 56·1                 | 62·87             | 49·77     | 437·198                                               |
| 11.    | 36·0                      | 42·7           | 21·7           | 33·5         | 21·0            | 54·7                 | 62·08             | 48·20     | 437·194                                               |
| 12.    | 21·0                      | 40·0           | 34·6           | 31·9         | 19·0            | 53·4                 | 61·44             | 49·17     | 437·188                                               |
| 13.    | 35·3                      | 40·6           | 32·7           | 36·2         | 7·9             | 53·8                 | 60·35             | 47·80     | 437·186                                               |
| 14.    | 37·3                      | 40·6           | 34·0           | 37·1         | 6·6             | 53·2                 | 59·97             | 47·50     | 437·181                                               |
| 15.    | 36·7                      | 40·0           | 36·0           | 37·6         | 4·0             | 53·5                 | 60·97             | 47·57     | 437·178                                               |
| 16.    | 35·3                      | 40·7           | 35·3           | 37·1         | 5·4             | 54·6                 | 62·25             | 47·83     | 437·169                                               |
| 17.    | 36·0                      | 40·7           | 34·0           | 36·7         | 6·7             | 54·5                 | 61·48             | 50·73     | 437·166                                               |
| 18.    | 35·3                      | 40·0           | 35·3           | 36·9         | 4·7             | 54·0                 | 60·25             | 48·27     | 437·156                                               |
| 19.    | 36·0                      | 40·7           | 33·3           | 36·7         | 7·4             | 54·1                 | 61·45             | 49·03     | 437·156                                               |
| 20.    | 34·6                      | 40·0           | 56·0           | 36·9         | 4·0             | 54·0                 | 60·76             | 47·67     | 437·144                                               |
| 21.    | 34·6                      | 41·3           | 36·7           | 37·5         | 6·7             | 53·4                 | 60·87             | 48·67     | 437·138                                               |
| 22.    | 36·0                      | 41·6           | 35·3           | 37·5         | 6·3             | 53·7                 | 60·79             | 48·23     | 437·125                                               |
| 23.    | 36·0                      | 42·7           | 34·0           | 37·6         | 8·7             | 54·7                 | 62·60             | 47·73     | 437·126                                               |
| 24.    | 35·3                      | 41·3           | 36·0           | 37·5         | 6·0             | 55·3                 | 62·38             | 48·10     | 437·123                                               |
| 25.    | 34·0                      | 41·3           | 35·3           | 36·9         | 7·3             | 55·0                 | 63·56             | 49·67     | 437·116                                               |
| 26.    | 36·0                      | 40·6           | 37·3           | 38·0         | 4·6             | 54·3                 | 61·74             | 50·07     | 437·111                                               |
| 27.    | 35·3                      | 41·3           | 37·3           | 38·0         | 6·0             | 54·7                 | 61·81             | 47·63     | 437·108                                               |
| 28.    | 36·7                      | 42·0           | 36·7           | 38·5         | 5·3             | 54·0                 | 60·08             | 47·63     | 437·106                                               |
| 29.    | 36·0                      | 41·3           | 35·3           | 37·5         | 6·0             | 54·0                 | 60·17             | 48·03     | 437·091                                               |
| 30.    | 36·7                      | 40·6           | 36·0           | 37·8         | 4·6             | 53·5                 | 61·80             | 48·37     | 437·089                                               |
| 31.    | 36·0                      | 40·6           | 33·3           | 36·6         | 7·3             | 54·1                 | 62·19             | 47·20     | 437·083                                               |
| Mittel | 35·5                      | 41·7           | 34·7           | 37·3         | 7·8             | 54·5                 | 61·27             | 48·33     | 437·153                                               |

Die mittlere Declination in Klagenfurt war 9° 37·3' mit dem Maximum 9° 39·3' am 6. und dem Minimum 9° 31·9' am 12.

Die mittlere Tagesvariation betrug 7·8', mit dem Maximum 21·0' am 11. und dem Minimum 4·0' am 20.

Am 11. und 12. Störungen und am 27. abends starkes Schwanken der Magnetnadel, ebenso am 14. abends 9 Uhr.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 18.4                    | 15.7           | 15.9           | 16.7   | - 5.8           | 13.4                | 14.5           | 13.5           | 13.8   | + 2.6           | 11             | 8              |                   |
| 2.     | 19.2                    | 18.7           | 17.6           | 18.5   | - 4.0           | 7.9                 | 16.4           | 10.0           | 11.4   | - 0.6           | 9              | 10             | 47.4              |
| 3.     | 10.1                    | 14.8           | 14.8           | 15.2   | - 7.3           | 6.2                 | 14.2           | 7.4            | 9.3    | - 2.5           | 8              | 12             | 28.7              |
| 4.     | 15.6                    | 15.0           | 16.1           | 15.6   | - 6.8           | 5.4                 | 12.2           | 8.9            | 8.8    | - 2.8           | 12             | 10             | 27.8              |
| 5.     | 18.5                    | 20.1           | 20.9           | 19.8   | - 2.6           | 6.9                 | 17.7           | 13.2           | 12.6   | + 1.3           | 6              | 3              | 33.3              |
| 6.     | 22.1                    | 22.3           | 23.5           | 22.6   | + 0.2           | 11.4                | 21.0           | 14.6           | 15.7   | + 4.6           | 2              | 4              | 23.0              |
| 7.     | 22.7                    | 22.0           | 22.1           | 22.3   | - 0.1           | 10.3                | 22.8           | 15.9           | 16.3   | + 5.5           | 3              | 4              | 84.1              |
| 8.     | 23.5                    | 22.8           | 23.6           | 23.3   | + 0.9           | 9.7                 | 20.4           | 14.2           | 14.8   | + 4.3           | 3              | 4              | 41.9              |
| 9.     | 25.8                    | 24.0           | 23.1           | 24.3   | + 1.9           | 9.7                 | 19.3           | 12.5           | 13.8   | + 3.7           | 6              | 4              | 77.7              |
| 10.    | 23.3                    | 23.9           | 28.7           | 25.3   | + 3.0           | 8.5                 | 16.7           | 9.1            | 11.4   | + 1.5           | 3              | 5              | 45.9              |
| 11.    | 30.3                    | 28.4           | 27.6           | 28.8   | + 6.5           | 4.9                 | 14.8           | 8.4            | 9.4    | - 0.3           | 5              | 9              | 72.1              |
| 12.    | 27.0                    | 24.7           | 24.9           | 25.5   | + 3.2           | 5.3                 | 13.2           | 8.2            | 8.9    | - 0.6           | 4              | 3              | 54.5              |
| 13.    | 26.7                    | 25.2           | 26.1           | 26.0   | + 3.7           | 5.5                 | 14.6           | 11.5           | 10.5   | + 1.1           | 3              | 4              | 44.0              |
| 14.    | 27.1                    | 25.9           | 23.8           | 25.6   | + 3.3           | 8.1                 | 14.0           | 10.2           | 10.8   | + 1.5           | 3              | 4              | 43.1              |
| 15.    | 22.0                    | 21.6           | 22.8           | 22.0   | - 0.3           | 8.3                 | 16.3           | 12.5           | 12.4   | + 3.1           | 2              | 3              | 35.2              |
| 16.    | 23.9                    | 22.7           | 23.5           | 23.4   | - 1.9           | 10.0                | 20.6           | 11.7           | 14.1   | + 4.9           | 2              | 4              | 77.8              |
| 17.    | 24.6                    | 23.1           | 23.3           | 23.7   | + 1.5           | 5.1                 | 17.6           | 10.0           | 10.9   | + 1.7           | 3              | 2              | 72.9              |
| 18.    | 20.6                    | 19.8           | 22.4           | 20.9   | - 1.3           | 6.7                 | 14.2           | 12.5           | 11.1   | + 2.0           | 3              | 10             | 2.3               |
| 19.    | 26.5                    | 28.5           | 30.2           | 28.4   | + 6.2           | 6.4                 | 9.4            | 4.9            | 6.9    | - 2.2           | 12             | 13             | 55.7              |
| 20.    | 31.6                    | 31.2           | 32.8           | 31.9   | + 9.7           | -0.2                | 8.4            | 2.8            | 3.7    | - 5.2           | 8              | 10             | 78.3              |
| 21.    | 33.4                    | 31.0           | 30.6           | 31.7   | + 9.5           | 0.4                 | 8.2            | 6.4            | 5.0    | - 3.8           | 7              | 4              | 37.1              |
| 22.    | 30.6                    | 30.8           | 29.4           | 30.3   | + 8.1           | 4.4                 | 11.5           | 6.4            | 7.4    | - 1.1           | 2              | 4              | 13.3              |
| 23.    | 27.5                    | 26.1           | 27.2           | 26.9   | + 4.7           | 3.3                 | 11.4           | 8.9            | 7.9    | - 0.3           | 5              | 2              | 4.8               |
| 24.    | 29.3                    | 30.0           | 32.2           | 30.5   | + 8.3           | 4.2                 | 8.4            | 5.0            | 5.9    | - 2.0           | 6              | 4              | 34.6              |
| 25.    | 32.8                    | 31.5           | 30.5           | 31.6   | + 9.4           | 4.7                 | 10.4           | 4.1            | 6.4    | - 1.1           | 4              | 2              | 48.5              |
| 26.    | 27.8                    | 24.8           | 23.6           | 25.4   | + 3.2           | 3.7                 | 11.0           | 6.1            | 6.9    | - 0.2           | 3              | 2              | 48.5              |
| 27.    | 21.0                    | 19.0           | 21.5           | 20.5   | - 1.7           | 4.8                 | 10.0           | 8.4            | 7.7    | + 1.0           | 5              | 4              | 3.9               |
| 28.    | 26.4                    | 26.5           | 27.5           | 26.8   | + 4.7           | 2.0                 | 9.0            | 2.9            | 4.6    | - 1.8           | 6              | 2              | 56.4              |
| 29.    | 26.4                    | 24.1           | 23.3           | 24.6   | + 2.5           | - 0.6               | 7.8            | 3.6            | 3.6    | - 2.4           | 5              | 7              | 52.0              |
| 30.    | 24.7                    | 20.1           | 19.3           | 21.4   | - 0.7           | 0.3                 | 8.2            | 2.5            | 3.7    | - 2.1           | 6              | 2              | 47.0              |
| 31.    | 20.2                    | 20.4           | 22.1           | 20.9   | - 1.2           | - 0.6               | 7.4            | 3.5            | 3.4    | - 2.1           | 3              | 2              | 46.5              |
| Mittel | 24.70                   | 23.70          | 24.21          | 24.20  | +1.90           | 5.68                | 13.60          | 8.71           | 9.33   | +0.22           | 5.2            | 5.2            | 43.17             |

# im October 1893. Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 11.3                     | 11.3           | 10.3           | 11.0   | 93                                    | 93             | 90             | 92     | 9                            | 10             | 10             | 10     | NW <sup>1</sup>            | NE <sup>6</sup> | SW <sup>2</sup> | 0.3               | 12         |
| 7.6                      | 9.5            | 7.8            | 8.4    | 96                                    | 71             | 86             | 84     | 10                           | 2              | 0              | 4      | NW <sup>1</sup>            | NE <sup>1</sup> | NE              | 14.4              |            |
| 6.4                      | 8.6            | 7.0            | 7.3    | 90                                    | 72             | 91             | 84     | 2                            | 9              | 10             | 7      | W <sup>1</sup>             | NW <sup>1</sup> | NE <sup>3</sup> | 18.4              | 12         |
| 6.0                      | 7.4            | 7.7            | 7.0    | 89                                    | 70             | 91             | 83     | 8                            | 4              | 0              | 4      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | 0.3               |            |
| 7.0                      | 8.6            | 10.0           | 8.5    | 94                                    | 57             | 89             | 80     | 10                           | 8              | 1              | 6      | E <sup>1</sup>             | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 9.1                      | 13.1           | 10.5           | 10.9   | 91                                    | 71             | 85             | 82     | 5                            | 9              | 0              | 5      | SE <sup>1</sup>            | SE <sup>1</sup> | NE              | —                 |            |
| 8.5                      | 16.7           | 12.0           | 12.4   | 92                                    | 81             | 89             | 87     | 0                            | 1              | 0              | 0      | S <sup>1</sup>             | SE <sup>3</sup> | SW <sup>1</sup> | —                 |            |
| 8.0                      | 11.1           | 10.8           | 10.0   | 89                                    | 63             | 91             | 81     | 0                            | 7              | 0              | 2      | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 8.6                      | 9.8            | 10.3           | 9.6    | 96                                    | 59             | 96             | 84     | 10                           | 0              | 0              | 3      | N <sup>1</sup>             | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 7.5                      | 11.4           | 7.9            | 8.9    | 91                                    | 80             | 92             | 88     | 3                            | 2              | 0              | 2      | S <sup>1</sup>             | SE <sup>1</sup> | NE              | 4.7               |            |
| 5.8                      | 6.8            | 7.3            | 6.5    | 90                                    | 52             | 39             | 77     | 0                            | 2              | 0              | 1      | W <sup>1</sup>             | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 6.1                      | 8.2            | 7.2            | 7.2    | 92                                    | 73             | 89             | 85     | 10                           | 0              | 0              | 3      | N <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 6.5                      | 9.1            | 9.4            | 8.3    | 97                                    | 74             | 93             | 88     | 10                           | 3              | 9              | 7      | E <sup>1</sup>             | NE <sup>3</sup> | NE <sup>1</sup> | 0.6               |            |
| 6.7                      | 8.5            | 8.1            | 7.8    | 83                                    | 71             | 87             | 80     | 10                           | 3              | 9              | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 7.5                      | 9.8            | 9.5            | 8.9    | 92                                    | 71             | 89             | 84     | 8                            | 10             | 0              | 6      | NE <sup>1</sup>            | SW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 8.4                      | 12.2           | 9.2            | 9.9    | 92                                    | 68             | 91             | 84     | 7                            | 4              | 0              | 4      | NE <sup>1</sup>            | SE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 6.2                      | 10.9           | 8.6            | 8.6    | 94                                    | 68             | 94             | 85     | 0                            | 1              | 0              | 0      | NE <sup>1</sup>            | SE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 6.8                      | 8.9            | 7.3            | 7.7    | 93                                    | 74             | 68             | 78     | 10                           | 4              | 10             | 8      | E <sup>1</sup>             | NE <sup>1</sup> | NW <sup>2</sup> | —                 |            |
| 6.1                      | 6.9            | 5.6            | 6.2    | 86                                    | 79             | 86             | 84     | 10                           | 4              | 4              | 6      | NE <sup>3</sup>            | NE <sup>5</sup> | NE <sup>3</sup> | 2.4               |            |
| 4.1                      | 4.7            | 4.8            | 4.5    | 90                                    | 57             | 86             | 78     | 0                            | 0              | 0              | 0      | W <sup>1</sup>             | NE <sup>2</sup> | NE <sup>1</sup> | )                 |            |
| 4.3                      | 5.9            | 6.0            | 5.0    | 90                                    | 73             | 84             | 82     | 10                           | 0              | 10             | 7      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 5.5                      | 6.9            | 6.4            | 6.3    | 89                                    | 69             | 90             | 83     | 5                            | 1              | 0              | 2      | NE                         | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 5.4                      | 8.1            | 7.7            | 7.1    | 93                                    | 81             | 91             | 88     | 10                           | 10             | 10             | 10     | E <sup>1</sup>             | E <sup>1</sup>  | NE <sup>1</sup> | —                 |            |
| 5.7                      | 7.1            | 6.0            | 6.3    | 92                                    | 87             | 92             | 90     | 10                           | 0              | 5              | 5      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 6.0                      | 6.6            | 5.6            | 6.1    | 94                                    | 70             | 92             | 85     | 10                           | 0              | 0              | 3      | SE <sup>1</sup>            | SE <sup>1</sup> | NE              | —                 |            |
| 5.5                      | 7.0            | 6.4            | 6.3    | 92                                    | 71             | 91             | 85     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NE              | —                 |            |
| 5.8                      | 7.5            | 7.3            | 6.9    | 90                                    | 82             | 89             | 87     | 9                            | 10             | 10             | 10     | E <sup>1</sup>             | SE <sup>1</sup> | NW <sup>1</sup> | 4.3               |            |
| 5.0                      | 5.5            | 4.8            | 5.1    | 94                                    | 65             | 85             | 81     | 10                           | 0              | 0              | 3      | SE <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 4.1                      | 5.5            | 4.7            | 4.8    | 94                                    | 69             | 80             | 81     | 10                           | 3              | 5              | 6      | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 4.3                      | 5.7            | 4.8            | 4.9    | 92                                    | 70             | 87             | 83     | 10                           | 0              | 0              | 3      | SW <sup>1</sup>            | SE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 4.3                      | 4.7            | 5.4            | 4.8    | 95                                    | 61             | 92             | 84     | 10                           | 8              | 0              | 6      | NE <sup>1</sup>            | NE <sup>1</sup> | E <sup>1</sup>  | —                 |            |
| 6.45                     | 8.52           | 7.63           | 7.53   | 91.9                                  | 71.0           | 88.5           | 83.8   | 7.3                          | 3.6            | 3.0            | 4.6    | 1.1                        | 1.4             | 1.2             | 45.4              |            |

### Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.770 Meter |
| Seelandbrunnen                  | 437.153 "     |
| Friedhofbrunnen                 | 436.748 "     |
| Maschinengewerbliche Fachschule | 436.050 "     |
| Wörtherseepegel                 | 441.257 "     |
| Höchster Pegelstand am 4. . .   | 441.298 "     |
| Tiefster " " 23.—31.            | 441.218 "     |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.309 Meter  
 Maximum am 2. 427.690 Meter, Minimum am 30. 425.990 Meter.

|                  |      |       |        |       |    |       |      |    |       |            |
|------------------|------|-------|--------|-------|----|-------|------|----|-------|------------|
| Klagenfurt I     | 448  | 733·4 | 21.    | 714·8 | 3. | 724·2 | 22·8 | 7. | -0·6  | 29. u. 31. |
| dto. II          | 504  | —     | —      | —     | —  | —     | 23·6 | 7. | -1·3  | 29.        |
| Kappel a. d. Dr. | 441  | —     | —      | —     | —  | —     | 20·4 | 9. | -1·4  | 31.        |
| Saager           | 486  | —     | —      | —     | —  | —     | 23·4 | 7. | -1·2  | 29. u. 30. |
| Unterdrauburg    | 343  | —     | —      | —     | —  | —     | 24·6 | 7. | -1·0  | 29.        |
| Liescha          | 552  | 724·4 | 21.    | 705·0 | 3. | 715·5 | 23·0 | 7. | -1·1  | 21.        |
| Obir.            | 2047 | 603·0 | 25.    | 587·1 | 3. | 597·0 | 16·8 | 9. | -5·1  | 19.        |
| St. Andriä       | 432  | 736·3 | 20.    | 717·6 | 3. | 729·0 | 23·2 | 7. | -3·3  | 29. u. 31. |
| Stelzing         | 1410 | —     | —      | —     | —  | —     | 17·0 | 9. | -3·0  | 20.        |
| Knappenberg      | 1045 | —     | —      | —     | —  | —     | 20·2 | 7. | -2·3  | 21.        |
| Hüttenberg       | 783  | 703·8 | 25.    | 684·9 | 3. | 695·0 | 21·0 | 7. | -1·3  | 21.        |
| Guttaring.       | 642  | —     | —      | —     | —  | —     | 24·0 | 7. | -4·5  | 21.        |
| St. Veit         | 496  | —     | —      | —     | —  | —     | 21·2 | 7. | -1·6  | 29.        |
| Teichl           | 1080 | —     | —      | —     | —  | —     | 18·8 | 9. | -2·0  | 21.        |
| Radweg           | 692  | —     | —      | —     | —  | —     | 21·0 | 7. | -3·0  | 21.        |
| Bad Villach      | 488  | —     | —      | —     | —  | —     | 20·2 | 9. | -0·8  | 29.        |
| Spittal a. D.    | 554  | 723·6 | 21.    | 704·5 | 3. | 714·0 | 21·9 | 7. | -2·2  | 21.        |
| Raibl            | 981  | —     | —      | —     | —  | —     | 25·2 | 9. | -1·0  | 29.        |
| St. Walburgen    | 528  | 679·7 | 21.    | 663·2 | 3. | 672·9 | 19·3 | 7. | 3·2   | 29.        |
| Cornat . . .     | 1067 | —     | —      | —     | —  | —     | 21·3 | 8. | -1·3  | 21.        |
| Eberndorf        | 482  | —     | —      | —     | —  | —     | 22·3 | 7. | -2·3  | 31.        |
| Oberdrauburg     | 610  | —     | —      | —     | —  | —     | 19·8 | 7. | -2·0  | 31.        |
| Greifenburg      | 626  | —     | —      | —     | —  | —     | 22·4 | 6. | -2·6  | 21.        |
| St. Peter i. K.  | 1217 | —     | —      | —     | —  | —     | 20·3 | 9. | -2·0  | 21.        |
| Sonnblick . .    | 3093 | 528·5 | 22,25. | 513·4 | 4. | 523·1 | 2·1  | 9. | -13·0 | 20.        |

|      |     |    |     |    |     |     |     |    |    |    |    |    |   |   |    |
|------|-----|----|-----|----|-----|-----|-----|----|----|----|----|----|---|---|----|
| 8.9  | 7.5 | 84 | 4.6 | NE | 45  | 18  | 3.  | 13 | 10 | 8  | 7  | 0  | 0 | 2 | 0  |
| 9.7  | —   | —  | 6.0 | NW | —   | —   | —   | 4  | 10 | 17 | —  | —  | — | — | —  |
| 9.2  | —   | —  | 5.5 | SE | 69  | 37  | 1.  | 6  | 14 | 11 | 6  | 0  | 0 | 0 | 1  |
| 9.7  | —   | —  | —   | —  | 51  | 26  | 1.  | —  | —  | —  | 4  | 0  | 0 | 0 | 0  |
| 7.8  | —   | —  | 4.2 | E  | 51  | 17  | 1.  | 19 | 6  | 6  | 6  | 0  | 0 | 0 | 0  |
| 9.0  | —   | —  | 4.6 | W  | 63  | 31  | 1.  | 12 | 8  | 11 | 5  | 0  | 0 | 1 | 0  |
| 4.7  | 5.0 | 79 | 3.8 | SW | 45  | 19  | 1.  | 17 | 6  | 8  | 7  | 3  | 0 | 1 | 5  |
| 8.5  | 7.5 | 88 | 3.3 | N  | 9   | 5   | 1.  | 20 | 8  | 3  | 4  | 0  | 0 | 1 | 0  |
| 6.7  | —   | —  | 4.1 | W  | —   | —   | —   | 13 | 13 | 5  | —  | —  | — | — | —  |
| 8.3  | 6.4 | 77 | 2.8 | SW | 36  | 15  | 7.  | 17 | 11 | 3  | 7  | 0  | 0 | 1 | 0  |
| 9.0  | —   | —  | 3.0 | W  | 30  | 15  | 1.  | 18 | 11 | 2  | 5  | 0  | 0 | 0 | 0  |
| 8.5  | —   | —  | 2.5 | —  | 38  | 15  | 1.  | 20 | 8  | 3  | 5  | 0  | 0 | 0 | 0  |
| 8.3  | 7.5 | 88 | 3.0 | W  | 25  | 14  | 3.  | 17 | 12 | 2  | 4  | 0  | 0 | 1 | 4  |
| 7.7  | —   | —  | 3.4 | N  | 97  | 66  | 1.  | 13 | 9  | 9  | 12 | 0  | 1 | 2 | 0  |
| 8.9  | —   | —  | 3.6 | W  | 43  | 20  | 1.  | 17 | 4  | 10 | 6  | 0  | 0 | 3 | 2  |
| 9.2  | —   | —  | —   | —  | —   | —   | —   | —  | —  | —  | —  | —  | — | — | —  |
| 8.8  | 7.2 | 84 | 6.0 | SE | 85  | 59  | 1.  | 9  | 14 | 8  | 6  | 0  | 0 | 2 | 1  |
| 9.1  | —   | —  | 3.5 | NE | 254 | 182 | 1.  | 18 | 4  | 9  | 7  | 0  | 0 | 2 | 1  |
| 10.8 | —   | —  | 3.1 | —  | 57  | 20  | 1.  | 18 | 7  | 6  | 7  | 0  | 0 | 0 | 0  |
| 9.1  | 7.7 | 87 | 3.9 | N  | 100 | 61  | 1.  | 16 | 7  | 8  | 9  | 0  | 1 | 0 | 0  |
| 8.5  | —   | —  | 5.5 | SE | 86  | 50  | 1.  | 3  | 15 | 13 | 3  | 0  | 0 | 0 | 0  |
| 9.4  | —   | —  | 3.3 | —  | —   | —   | —   | 18 | 8  | 5  | 7  | 0  | 0 | 1 | 0  |
| 9.0  | —   | —  | 4.8 | E  | 102 | 72  | 1.  | 11 | 12 | 8  | 7  | 0  | 0 | 2 | 0  |
| 7.4  | —   | —  | 3.9 | E  | 94  | 54  | 1.  | 14 | 8  | 9  | 11 | 0  | 1 | 2 | 0  |
| —    | 3.4 | —  | 5.9 | SW | 72  | 15  | 27. | 7  | 8  | 16 | 19 | 14 | 0 | 2 | 12 |



# Magnetische Declinations-Beobachtungen zu Klagenfurt

November

von  
**F. Seeland.**

1893.

| Tag    | Declination zu Klagenfurt |                |                |              |                 | an fremden Stationen |                   |           | Stand des Grundwassers im Seelandbrunnen<br>m Seehöhe |
|--------|---------------------------|----------------|----------------|--------------|-----------------|----------------------|-------------------|-----------|-------------------------------------------------------|
|        | 7 <sup>h</sup>            | 2 <sup>h</sup> | 9 <sup>h</sup> | Tages-Mittel | Tages-Variation | Pola 9° +            | Kremsmünster 9° + | Wien 8° + |                                                       |
|        | 9° + Min.                 |                |                |              | Min.            | Minuten              |                   |           |                                                       |
| 1.     | 36.6                      | 41.3           | 35.3           | 37.7         | 6.0             | 55.5                 | 60.22             | 48.70     | 437.076                                               |
| 2.     | 38.7                      | 38.7           | 38.0           | 38.5         | 0.2             | 55.2                 | 64.50             | 44.30     | 437.076                                               |
| 3.     | 40.6                      | 40.6           | 36.6           | 39.3         | 4.0             | 56.1                 | 62.46             | 46.03     | 437.071                                               |
| 4.     | 38.0                      | 38.7           | 36.0           | 37.8         | 2.1             | 55.5                 | 63.01             | 46.33     | 437.066                                               |
| 5.     | 34.6                      | 40.0           | 34.0           | 36.2         | 6.0             | 55.7                 | 61.50             | 45.67     | 437.056                                               |
| 6.     | 34.6                      | 40.0           | 34.6           | 36.4         | 5.4             | 55.5                 | 62.02             | 46.00     | 437.051                                               |
| 7.     | 34.6                      | 41.3           | 37.3           | 37.7         | 6.7             | 55.6                 | 61.80             | 46.00     | 437.046                                               |
| 8.     | 36.0                      | 42.7           | 36.6           | 34.4         | 6.7             | 56.8                 | 61.42             | 46.20     | 437.056                                               |
| 9.     | 36.0                      | 46.0           | 34.6           | 38.9         | 1.4             | 55.1                 | 59.91             | 46.03     | 437.041                                               |
| 10.    | 36.6                      | 42.0           | 34.0           | 37.5         | 8.0             | 55.4                 | 61.93             | 46.60     | 437.034                                               |
| 11.    | 36.6                      | 41.3           | 38.7           | 38.9         | 4.7             | 55.4                 | 62.01             | 46.00     | 437.028                                               |
| 12.    | 37.3                      | 41.3           | 38.0           | 38.9         | 4.0             | 55.0                 | 62.24             | 44.93     | 437.026                                               |
| 13.    | 38.0                      | 40.0           | 38.0           | 38.7         | 2.0             | 54.8                 | 62.41             | 46.63     | 437.025                                               |
| 14.    | 36.0                      | 42.7           | 39.3           | 39.3         | 6.7             | 54.8                 | 62.79             | 46.67     | 437.021                                               |
| 15.    | 37.3                      | 42.7           | 36.0           | 38.4         | 6.7             | 55.0                 | 62.94             | 46.70     | 437.016                                               |
| 16.    | 36.0                      | 42.0           | 36.6           | 38.2         | 6.0             | 55.2                 | 63.47             | 44.00     | 437.017                                               |
| 17.    | 35.3                      | 42.0           | 39.3           | 38.9         | 6.7             | 55.4                 | 62.35             | 46.57     | 437.016                                               |
| 18.    | 36.6                      | 41.3           | 38.7           | 38.9         | 4.7             | 54.6                 | 62.46             | 45.90     | 437.019                                               |
| 19.    | 37.3                      | 41.3           | 38.7           | 39.1         | 4.0             | 55.4                 | 62.83             | 46.03     | 437.026                                               |
| 20.    | 38.0                      | 42.0           | 58.0           | 39.3         | 4.0             | 56.1                 | 62.60             | 46.13     | 437.035                                               |
| 21.    | 37.3                      | 43.4           | 37.3           | 39.3         | 6.1             | 56.3                 | 62.90             | 46.13     | 437.046                                               |
| 22.    | 38.0                      | 41.3           | 37.3           | 38.9         | 4.0             | 55.5                 | 62.12             | 45.33     | 437.056                                               |
| 23.    | 37.3                      | 42.0           | 38.0           | 39.1         | 4.7             | 56.2                 | 62.11             | 46.03     | 437.066                                               |
| 24.    | 38.7                      | 41.3           | 37.3           | 39.1         | 2.6             | 55.6                 | 62.37             | 45.93     | 437.076                                               |
| 25.    | 38.0                      | 40.6           | 37.3           | 38.6         | 3.3             | 55.4                 | 61.96             | 46.33     | 437.081                                               |
| 26.    | 39.3                      | 41.3           | 36.6           | 39.1         | 4.7             | 55.1                 | 62.69             | 47.10     | 437.088                                               |
| 27.    | 38.0                      | 42.7           | 36.6           | 39.1         | 6.1             | 55.4                 | 63.50             | 46.27     | 437.094                                               |
| 28.    | 38.7                      | 41.3           | 35.3           | 38.4         | 6.0             | 55.4                 | 62.56             | 45.70     | 437.096                                               |
| 29.    | 38.0                      | 42.0           | 34.0           | 38.4         | 7.4             | 54.8                 | 62.15             | 45.30     | 437.104                                               |
| 30.    | 40.6                      | 41.3           | 39.3           | 40.4         | 2.0             | 55.0                 | 62.24             | 46.40     | 437.104                                               |
| Mittel | 37.2                      | 41.5           | 37.0           | 38.6         | 4.8             | 55.4                 | 62.31             | 46.06     | 437.054                                               |

Die mittlere Declination in Klagenfurt war 9° 38'6" mit dem Maximum 9° 40'4" am 30. und dem Minimum 9° 36'2" am 5.

Die mittlere Tagesvariation betrug 4'8", mit dem Maximum 8'0" am 10. und dem Minimum 0'2" am 2.

# Meteorologische Beobachtungen zu Klagenfurt

| Tag    | Luftdruck Millim. 700 + |                |                |        |                 | Luftwärme Celsius ° |                |                |        |                 | Ozon           |                | Sonnenschein<br>% |
|--------|-------------------------|----------------|----------------|--------|-----------------|---------------------|----------------|----------------|--------|-----------------|----------------|----------------|-------------------|
|        | 7 <sup>h</sup>          | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup>      | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | Abwei-<br>chung | 7 <sup>h</sup> | 9 <sup>h</sup> |                   |
| 1.     | 22.5                    | 21.9           | 21.4           | 21.9   | - 0.2           | 3.4                 | 9.7            | 6.4            | 6.5    | + 1.3           | 3              | 1              |                   |
| 2.     | 20.4                    | 19.1           | 18.7           | 19.4   | - 2.7           | 6.4                 | 10.4           | 7.3            | 8.0    | + 3.2           | 2              | 3              |                   |
| 3.     | 19.0                    | 21.0           | 23.9           | 21.3   | - 0.9           | 5.7                 | 10.4           | 7.4            | 7.8    | + 3.4           | 3              | 4              | 6.1               |
| 4.     | 24.3                    | 22.2           | 21.1           | 22.5   | + 0.3           | 7.8                 | 10.4           | 5.5            | 7.9    | + 3.9           | 5              | 3              | 30.9              |
| 5.     | 22.2                    | 22.4           | 20.6           | 21.7   | - 0.5           | 2.1                 | 8.0            | 5.9            | 5.3    | + 1.5           | 3              | 1              | 5.1               |
| 6.     | 18.7                    | 17.2           | 16.4           | 17.4   | - 4.5           | 4.4                 | 7.4            | 7.5            | 6.4    | + 2.8           | 4              | 1              |                   |
| 7.     | 16.4                    | 16.7           | 18.8           | 17.3   | - 4.9           | 7.9                 | 8.4            | 4.5            | 6.9    | + 3.6           | 5              | 7              |                   |
| 8.     | 19.2                    | 19.7           | 61.6           | 20.2   | - 2.0           | 2.8                 | 3.0            | 0.8            | 2.2    | - 0.9           | 13             | 14             |                   |
| 9.     | 23.3                    | 24.8           | 25.5           | 24.5   | + 2.3           | - 0.7               | 1.4            | - 0.5          | 0.1    | - 2.7           | 14             | 11             |                   |
| 10.    | 24.9                    | 23.2           | 22.5           | 23.5   | + 1.3           | - 0.8               | 1.6            | 0.6            | 0.5    | - 1.9           | 10             | 10             |                   |
| 11.    | 21.3                    | 23.4           | 25.5           | 23.6   | + 1.4           | 0.2                 | 2.4            | 1.4            | 1.3    | - 0.7           | 10             | 2              |                   |
| 12.    | 27.6                    | 24.6           | 29.0           | 27.1   | + 4.8           | 0.8                 | 3.4            | 1.1            | 1.8    | + 0.1           | 6              | 4              | 12.8              |
| 13.    | 33.5                    | 33.8           | 32.9           | 33.4   | + 11.1          | - 0.3               | 2.0            | 0.6            | 0.8    | - 0.7           | 12             | 6              |                   |
| 14.    | 30.4                    | 28.2           | 27.4           | 28.7   | + 6.4           | - 1.3               | 0.0            | - 0.9          | - 0.7  | - 2.1           | 13             | 7              |                   |
| 15.    | 24.6                    | 22.4           | 21.1           | 22.7   | + 0.4           | - 1.7               | 0.2            | - 0.8          | - 0.9  | - 2.2           | 13             | 3              |                   |
| 16.    | 20.8                    | 20.9           | 21.5           | 21.1   | - 1.2           | - 1.4               | 3.3            | 2.1            | 1.3    | + 0.1           | 8              | 4              |                   |
| 17.    | 19.1                    | 16.5           | 14.6           | 16.7   | - 5.6           | 1.1                 | 5.2            | 3.1            | 3.1    | + 2.2           | 7              | 3              |                   |
| 18.    | 10.9                    | 08.5           | 04.7           | 08.0   | - 14.4          | 2.5                 | 4.4            | 2.9            | 3.3    | + 2.7           | 8              | 3              |                   |
| 19.    | 69.9                    | 69.5           | 03.4           | 00.9   | - 22.5          | 2.4                 | 4.4            | 2.7            | 3.2    | + 3.0           | 9              | 3              |                   |
| 20.    | 08.4                    | 11.6           | 14.9           | 11.6   | - 10.8          | 2.8                 | 6.8            | 3.4            | 4.3    | + 4.5           | 8              | 5              |                   |
| 21.    | 18.3                    | 22.1           | 26.5           | 22.3   | + 0.1           | 2.7                 | 6.2            | 3.6            | 4.2    | + 4.6           | 7              | 3              |                   |
| 22.    | 28.7                    | 26.4           | 23.4           | 26.2   | + 3.7           | 1.1                 | 3.8            | 1.5            | 2.1    | + 2.5           | 9              | 3              | 4.5               |
| 23.    | 20.1                    | 18.0           | 16.8           | 18.3   | - 4.2           | 0.1                 | 1.7            | 0.0            | 0.6    | + 0.9           | 6              | 4              |                   |
| 24.    | 16.9                    | 18.8           | 22.5           | 19.4   | - 3.1           | - 0.5               | 1.6            | - 0.8          | 0.1    | + 0.1           | 9              | 4              | 14.6              |
| 25.    | 24.0                    | 23.6           | 24.3           | 24.0   | + 1.5           | - 5.0               | - 1.4          | - 5.1          | - 3.8  | - 4.0           | 9              | 3              |                   |
| 26.    | 23.1                    | 21.0           | 20.0           | 21.4   | - 1.2           | - 6.4               | - 3.9          | - 7.2          | - 5.8  | - 6.2           | 10             | 12             |                   |
| 27.    | 20.3                    | 22.5           | 27.9           | 23.6   | + 1.0           | - 9.9               | - 3.8          | - 5.5          | - 6.4  | - 6.8           | 9              | 4              |                   |
| 28.    | 34.1                    | 34.0           | 34.0           | 34.0   | + 11.4          | - 4.7               | - 0.8          | - 2.5          | - 2.7  | - 3.0           | 7              | 3              |                   |
| 29.    | 34.6                    | 34.0           | 33.2           | 33.9   | + 11.2          | - 5.5               | - 2.3          | - 6.4          | - 4.7  | - 4.8           | 10             | 3              | 44.8              |
| 30.    | 30.0                    | 27.6           | 25.6           | 27.7   | + 5.0           | - 5.9               | - 1.6          | - 2.7          | - 3.4  | - 3.2           | 4              | 5              |                   |
| Mittel | 21.93                   | 21.52          | 21.99          | 21.81  | - 0.51          | 0.34                | 3.40           | 1.20           | 1.64   | + 0.5           | 1.2            | 4.6            | 3.96              |

5.4

Am 8. Abends erstes Schneien. Nachts hörte man über den Dächern den Klageruf des Goldregenpfeifers.

# im November 1893. Von F. Seeland.

| Dunstdruck<br>Millimeter |                |                |        | Luftfeuchtigkeit<br>in Proc. d. Sätt. |                |                |        | Bewölkung<br>0=rein, 10=trüb |                |                |        | Winde<br>0=ruhig, 10=Sturm |                 |                 | Nieder-<br>schlag | Schneehöhe |
|--------------------------|----------------|----------------|--------|---------------------------------------|----------------|----------------|--------|------------------------------|----------------|----------------|--------|----------------------------|-----------------|-----------------|-------------------|------------|
| 7 <sup>h</sup>           | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>                        | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>               | 2 <sup>h</sup> | 9 <sup>h</sup> | Mittel | 7 <sup>h</sup>             | 2 <sup>h</sup>  | 9 <sup>h</sup>  |                   |            |
| 5.2                      | 7.2            | 6.4            | 6.3    | 88                                    | 80             | 90             | 86     | 7                            | 10             | 10             | 9      | SE <sup>1</sup>            | SW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 7.1                      | 7.7            | 7.1            | 7.3    | 99                                    | 82             | 93             | 91     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | 0.2               |            |
| 6.5                      | 6.7            | 6.6            | 6.6    | 96                                    | 72             | 86             | 85     | 7                            | 10             | 10             | 9      | NE <sup>1</sup>            | E <sup>1</sup>  | NE <sup>1</sup> | —                 |            |
| 6.9                      | 6.6            | 6.2            | 6.6    | 88                                    | 69             | 93             | 83     | 10                           | 2              | 10             | 7      | W <sup>1</sup>             | W <sup>1</sup>  | NE <sup>1</sup> | —                 |            |
| 5.0                      | 6.7            | 6.3            | 6.0    | 93                                    | 83             | 91             | 89     | 10                           | 10             | 10             | 10     | NW <sup>1</sup>            | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 5.8                      | 7.0            | 7.3            | 6.7    | 93                                    | 91             | 94             | 93     | 10                           | 10             | 10             | 10     | SE <sup>1</sup>            | E <sup>1</sup>  | E <sup>1</sup>  | 7.6               |            |
| 7.5                      | 7.1            | 5.4            | 6.7    | 94                                    | 87             | 86             | 89     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | NE <sup>2</sup> | NE <sup>2</sup> | 21.4              |            |
| 5.0                      | 4.9            | 4.1            | 4.7    | 80                                    | 87             | 85             | 87     | 10                           | 10             | 10*            | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | 10.7*             | 50         |
| 3.8                      | 4.1            | 4.1            | 4.0    | 86                                    | 82             | 92             | 87     | 10*                          | 10             | 10*            | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | E <sup>1</sup>  | 8.1               | 90         |
| 3.9                      | 4.2            | 4.2            | 4.1    | 90                                    | 82             | 89             | 87     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | E <sup>1</sup>  | NE <sup>1</sup> | 0.6               |            |
| 4.1                      | 5.0            | 4.6            | 4.6    | 89                                    | 91             | 91             | 90     | 10                           | 10             | 10             | 10     | E <sup>1</sup>             | E <sup>1</sup>  | NW <sup>1</sup> | Spur*             |            |
| 4.5                      | 1.4            | 4.2            | 3.4    | 92                                    | 75             | 85             | 84     | 10                           | 5              | 10             | 8      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 3.5                      | 4.2            | 3.9            | 3.9    | 78                                    | 78             | 76             | 77     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 3.8                      | 4.1            | 4.8            | 4.0    | 92                                    | 89             | 94             | 92     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 3.4                      | 4.2            | 4.2            | 3.9    | 84                                    | 92             | 96             | 91     | 10                           | 10             | 10             | 10     | N <sup>1</sup>             | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 3.7                      | 4.7            | 4.8            | 4.4    | 90                                    | 82             | 89             | 87     | 10                           | 9              | 10             | 10     | NW <sup>1</sup>            | NE <sup>1</sup> | SE <sup>1</sup> | 13.0              |            |
| 4.3                      | 5.6            | 4.9            | 4.9    | 87                                    | 84             | 87             | 86     | 10                           | 10             | 10             | 10     | SW <sup>1</sup>            | SW <sup>1</sup> | SW <sup>1</sup> | 1.4*              |            |
| 4.9                      | 5.0            | 5.0            | 5.0    | 89                                    | 80             | 88             | 86     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | SE <sup>1</sup> | .                 |            |
| 5.0                      | 5.2            | 5.1            | 5.1    | 91                                    | 84             | 91             | 89     | 10                           | 10             | 10             | 10     | W <sup>1</sup>             | W <sup>1</sup>  | W <sup>1</sup>  | 17.4              |            |
| 5.0                      | 5.9            | 5.2            | 5.4    | 89                                    | 80             | 90             | 86     | 10                           | 10             | 3              | 8      | W <sup>1</sup>             | NW <sup>1</sup> | NE <sup>1</sup> | 6.1               |            |
| 5.1                      | 5.6            | 5.3            | 5.3    | 91                                    | 79             | 90             | 87     | 10                           | 8              | 9              | 9      | SW <sup>1</sup>            | SW <sup>1</sup> | NE <sup>1</sup> | 1.7               |            |
| 4.1                      | 4.6            | 4.5            | 4.4    | 83                                    | 77             | 87             | 82     | 10                           | 9              | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | 0.6               |            |
| 4.0                      | 4.3            | 4.2            | 4.2    | 87                                    | 84             | 90             | 87     | 10                           | 10*            | 10*            | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | *                 |            |
| 3.8                      | 4.6            | 3.9            | 4.1    | 86                                    | 89             | 90             | 88     | 10*                          | 10*            | 0              | 10     | S <sup>1</sup>             | SW <sup>1</sup> | NE <sup>1</sup> | 24.2*             | 160        |
| 2.6                      | 3.5            | 2.7            | 2.9    | 84                                    | 88             | 88             | 85     | 10                           | 1              | 0              | 4      | N <sup>1</sup>             | N <sup>1</sup>  | NW <sup>1</sup> | 7.2               | 50         |
| 2.2                      | 3.0            | 2.3            | 2.5    | 79                                    | 89             | 90             | 86     | 10                           | 10             | 10             | 10     | N <sup>1</sup>             | NW <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 1.8                      | 3.3            | 2.7            | 2.6    | 84                                    | 95             | 90             | 90     | 10                           | 5              | 1              | 5      | SW <sup>1</sup>            | SW <sup>1</sup> | NW              | —                 |            |
| 2.8                      | 4.0            | 3.5            | 3.4    | 88                                    | 92             | 92             | 91     | 10                           | 10             | 10             | 10     | NW <sup>0</sup>            | NW <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 2.3                      | 3.5            | 2.4            | 2.7    | 70                                    | 92             | 87             | 83     | 10                           | 0              | 0              | 3      | NE <sup>1</sup>            | NE <sup>1</sup> | NW <sup>1</sup> | —                 |            |
| 2.6                      | 4.1            | 3.5            | 3.4    | 90                                    | 100            | 94             | 95     | 10                           | 10             | 10             | 10     | NE <sup>1</sup>            | NE <sup>1</sup> | NE <sup>1</sup> | —                 |            |
| 4.34                     | 4.93           | 4.65           | 4.64   | 88.0                                  | 84.4           | 89.5           | 87.3   | 9.8                          | 8.6            | 8.4            | 9.1    | 1.0                        | 1.0             | 1.1             | 120.2             | 351        |

### Grundwasserstand in Klagenfurt:

|                                 |               |
|---------------------------------|---------------|
| K. k. Militärspital             | 437.670 Meter |
| Seelandbrunnen                  | 437.054       |
| Friedhofbrunnen                 | 436.765       |
| Maschinengewerbliche Fachschule | 435.990       |
| Wörtherseepegel                 | 441.258       |
| Höchster Pegelstand am 26.—28.  | 441.318       |
| Tiefster „ „ 4.                 | 441.188       |

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.012 Meter  
 Maximum am 1.—6., 8.—11., 19.—23. 426.040 Meter, Minimum am 29., 30. 425.940 Meter

### Vorläufige Uebersicht der Witterung in Kärnten im November 1893 vom Central-Observatorium in Wien.

| Stationen       | Seehöhe<br>Meter | Luftdruck in Millimeter |     |          |     | Luftwärme in Celsius ° |         |          |          | Dunst-<br>druck<br>mm | Feuch-<br>tigkeit<br>0/0 | Bewölkung | Herr-<br>schender<br>Wind | Niederschlag |       |                    | Tage |        |           |      | darunter mit      |        |       |          |       |     |     |
|-----------------|------------------|-------------------------|-----|----------|-----|------------------------|---------|----------|----------|-----------------------|--------------------------|-----------|---------------------------|--------------|-------|--------------------|------|--------|-----------|------|-------------------|--------|-------|----------|-------|-----|-----|
|                 |                  | Grösste                 | am  | Kleinst. | am  | Mittel                 | Grösste | am       | Kleinste |                       |                          |           |                           | Mittel       | Summe | Grösster<br>in 24h | am   | heiter | b. heiter | trüb | Nieder-<br>schlag | Schnee | Hagel | Gewitter | Sturm |     |     |
|                 |                  |                         |     |          |     |                        |         |          |          |                       |                          |           |                           |              |       |                    |      |        |           |      |                   |        |       |          |       | 29. | 19. |
| Klagenfurt I    | 448              | 734.6                   | 29. | 699.5    | 19. | 721.8                  | 10.4    | 2. 3. 4. | - 9.9    | 27.                   | 1.5                      | 4.6       | 87                        | 9.1          | NE    | 120                | 24   | 24.    | 1         | 2    | 27                | 14     | 7     | 0        | 0     | 0   | 0   |
| dto. II         | 504              | —                       | —   | —        | —   | —                      | 10.2    | 3.       | -10.0    | 27.                   | 1.4                      | —         | 9.4                       | NE           | —     | —                  | —    | 0      | 1         | 29   | —                 | —      | —     | —        | —     | —   | —   |
| Kappel a Dr.    | 441              | —                       | —   | —        | —   | —                      | 11.0    | 4.       | - 8.8    | 27.                   | 1.9                      | —         | 9.0                       | SE           | 134   | 29                 | 23.  | 0      | 2         | 28   | 14                | 7      | 0     | 0        | 0     | 0   | 0   |
| Saager          | 486              | —                       | —   | —        | —   | —                      | 10.4    | 2.       | - 8.6    | 27                    | 1.8                      | —         | —                         | —            | 148   | 29                 | 18.  | —      | —         | —    | 15                | 8      | 0     | 0        | 0     | 0   | 0   |
| Unterdranburg   | 343              | —                       | —   | —        | —   | —                      | 11.2    | 4.       | - 9.4    | 28.                   | 1.8                      | —         | 8.3                       | W            | 127   | 41                 | 18.  | 4      | 1         | 25   | 12                | 4      | 0     | 0        | 0     | 0   | 0   |
| Liescha         | 552              | 724.9                   | 28. | 690.2    | 19. | 712.8                  | 10.4    | 4.       | - 9.4    | 26.                   | 1.4                      | —         | 9.0                       | W            | 124   | 37                 | 18.  | 1      | 0         | 29   | 11                | 5      | 0     | 0        | 0     | 0   | 0   |
| Eisenkappel     | 554              | —                       | —   | —        | —   | —                      | 12.8    | 4.       | -12.4    | 26.                   | 2.2                      | —         | —                         | —            | 186   | 99                 | 24.  | —      | —         | —    | 10                | 5      | 0     | 0        | 0     | 0   | 0   |
| Obir.           | 2047             | 603.0                   | 29. | 572.8    | 19. | 591.2                  | 9.2     | 4.       | -12.5    | 24.                   | - 3.8                    | 3.3       | 92                        | 6.5          | W     | 112                | 22   | 23.    | 9         | 3    | 18                | 14     | 11    | 0        | 0     | 0   | 4   |
| St. Andrä       | 432              | 738.3                   | 29. | 702.3    | 19. | 725.4                  | 10.6    | 3.       | - 9.4    | 25.                   | 0.9                      | 4.9       | 95                        | 8.8          | E     | 100                | 20   | 18.    | 1         | 1    | 28                | 14     | 5     | 0        | 0     | 0   | 0   |
| St. Paul        | 394              | 737.7                   | 29. | 701.5    | 19. | 724.8                  | 11.4    | 4.       | - 9.4    | 27.                   | 1.4                      | 5.0       | 94                        | 8.5          | —     | 108                | 22   | 23.    | 1         | 3    | 26                | 14     | 5     | 0        | 0     | 0   | 0   |
| Stelzing        | 1410             | —                       | —   | —        | —   | —                      | 10.2    | 4.       | -10.0    | 14.—25.               | - 1.4                    | —         | 6.6                       | NE SE        | —     | —                  | —    | 7      | 3         | 20   | —                 | —      | —     | —        | —     | —   | —   |
| Knappenberg     | 1045             | 681.5                   | 29. | 648.6    | 19. | 669.9                  | 9.7     | 4.       | -10.8    | 25. u. 26.            | - 0.6                    | —         | 5.3                       | E            | 63    | 20                 | 8.   | 8      | 7         | 15   | 13                | 9      | 0     | 0        | 0     | 0   | 0   |
| Hüttenberg      | 783              | 705.3                   | 29. | 670.9    | 19. | 692.0                  | 11.1    | 4.       | -10.5    | 26.                   | 1.7                      | —         | 5.5                       | W            | 27    | 10                 | 9.   | 9      | 7         | 14   | 5                 | 1      | 0     | 0        | 0     | 0   | 0   |
| Guttaring       | 642              | —                       | —   | —        | —   | —                      | 10.8    | 5.       | -16.0    | 26.                   | - 0.6                    | —         | 5.8                       | —            | 93    | 32                 | 6.   | 8      | 5         | 17   | 7                 | 4      | 0     | 0        | 0     | 0   | 0   |
| Eberstein       | 640              | —                       | —   | —        | —   | —                      | 9.0     | 1.       | -12.0    | 26.                   | 0.9                      | —         | 7.6                       | S            | 35    | 27                 | 19.  | 3      | 7         | 20   | 9                 | 5      | 0     | 0        | 0     | 0   | 0   |
| Eberndorf       | 482              | —                       | —   | —        | —   | —                      | 10.2    | 2.       | -10.0    | 27.                   | 1.0                      | —         | 9.1                       | E            | 108   | 50                 | 23.  | 0      | 2         | 28   | 5                 | 2      | 0     | 0        | 0     | 0   | 0   |
| St. Veit        | 496              | —                       | —   | —        | —   | —                      | 11.0    | 2.       | -12.2    | 26.                   | 0.8                      | 4.8       | 93                        | 5.9          | W     | 111                | 26   | 9.     | 4         | 17   | 9                 | 10     | 4     | 0        | 0     | 0   | 0   |
| St. Walburgen   | 528              | —                       | —   | —        | —   | —                      | 12.3    | 4.       | - 6.6    | 27.                   | 1.7                      | —         | 7.8                       | —            | 107   | 16                 | 8.   | 2      | 4         | 24   | 12                | 4      | 0     | 0        | 0     | 0   | 0   |
| Pörschach       | 464              | —                       | —   | —        | —   | —                      | 11.0    | 1.-4.    | - 7.6    | 27.                   | 1.9                      | —         | —                         | —            | —     | —                  | —    | —      | —         | —    | —                 | —      | —     | —        | —     | —   | —   |
| Radweg          | 692              | —                       | —   | —        | —   | —                      | 9.4     | 4.       | - 9.0    | 27.                   | 0.5                      | —         | 8.7                       | W            | 104   | 22                 | 7.   | 1      | 2         | 27   | 14                | 8      | 0     | 0        | 0     | 0   | 0   |
| Sirnitz         | 800              | —                       | —   | —        | —   | —                      | 3.0     | 16.      | -15.0    | 25.                   | 2.8                      | —         | 6.6                       | SE           | —     | —                  | —    | 6      | 4         | 20   | 9                 | 6      | 0     | 0        | 0     | 0   | 0   |
| Reichenau       | 1059             | —                       | —   | —        | —   | —                      | 11.8    | 4.       | -13.4    | 25.                   | - 0.2                    | —         | 4.9                       | —            | 51    | 22                 | 24.  | 11     | 5         | 14   | 13                | 9      | 0     | 0        | 0     | 0   | 0   |
| Bad Villach     | 488              | —                       | —   | —        | —   | —                      | 11.6    | 4.       | -11.0    | 26.                   | 1.7                      | —         | —                         | —            | —     | —                  | —    | —      | —         | —    | —                 | —      | —     | —        | —     | —   | —   |
| Bleiberg        | 927              | 692.3                   | 29. | 659.8    | 19. | 680.8                  | 8.3     | 4.       | -12.6    | 26.                   | - 0.5                    | 4.2       | 99                        | 6.2          | NE    | 214                | 66   | 9.     | 6         | 8    | 16                | 7      | 6     | 0        | 0     | 0   | 0   |
| Spittal a. D.   | 554              | 724.5                   | 29. | 689.1    | 18. | 611.4                  | 11.6    | 2.       | - 11.4   | 26.                   | 1.0                      | —         | 7.6                       | S            | 134   | 25                 | 18.  | 4      | 3         | 23   | 13                | 6      | 0     | 0        | 0     | 0   | 0   |
| Raibl           | 981              | —                       | —   | —        | —   | —                      | 13.8    | 4.       | - 8.5    | 25.                   | 1.0                      | —         | 6.5                       | N            | 178   | 52                 | 7.   | 8      | 3         | 19   | 10                | 8      | 0     | 0        | 0     | 0   | 0   |
| Cornat          | 1067             | 678.6                   | 29. | 647.9    | 19. | 669.1                  | 10.2    | 4.       | - 9.1    | 25.                   | 0.4                      | —         | 6.3                       | SE           | 161   | 52                 | 8.   | 8      | 9         | 13   | 12                | 7      | 0     | 0        | 0     | 0   | 0   |
| Teichl          | 1080             | —                       | —   | —        | —   | —                      | 10.4    | 4.       | - 9.8    | 28.                   | 4.0                      | —         | 5.4                       | N            | 99    | 26                 | 18.  | 7      | 10        | 13   | 12                | 7      | 0     | 0        | 0     | 0   | 0   |
| Oberdrauburg    | 610              | —                       | —   | —        | —   | —                      | 10.0    | 4.       | -13.5    | 26.                   | 0.7                      | —         | 8.0                       | NW           | 135   | 35                 | 19.  | 4      | 6         | 20   | 13                | 8      | 0     | 0        | 0     | 0   | 0   |
| St. Peter i. K. | 1217             | —                       | —   | —        | —   | —                      | 9.1     | 3.       | -11.2    | 25.                   | 1.5                      | —         | 6.6                       | E            | 68    | 21                 | 18.  | 7      | 5         | 18   | 14                | 10     | 0     | 0        | 0     | 0   | 0   |
| Radenthain      | 738              | —                       | —   | —        | —   | —                      | 10.3    | 4.       | - 9.4    | 25.                   | 0.6                      | —         | 7.8                       | —            | 88    | 23                 | 8.   | 5      | 2         | 23   | 11                | 7      | 0     | 0        | 0     | 0   | 0   |
| Pontafel        | —                | —                       | —   | —        | —   | —                      | 14.1    | 4.       | - 8.7    | 26.                   | 2.6                      | 4.9       | 83                        | 6.1          | NE    | 116                | 16   | 18.    | 6         | 4    | 20                | 15     | 7     | 0        | 0     | 0   | 2   |
| Sonnblick       | 3093             | 528.0                   | 29. | 499.3    | 19. | 516.4                  | 0.0     | 4.       | -18.6    | 24.                   | - 8.1                    | —         | 8.4                       | SW           | 85    | 16                 | 18.  | 7      | 6         | 17   | 21                | 20     | 0     | 0        | 0     | 9   |     |

# Die Stundearo- und Thermographen.

| Monat<br>Jahreszeit<br>Jahr | 1    | 7     | 8     | 9     | 10    | 11    | 12     | Mittel | Max.  | Min.   |
|-----------------------------|------|-------|-------|-------|-------|-------|--------|--------|-------|--------|
| December 1892               | 23.  | 22.75 | 22.83 | 22.93 | 23.00 | 23.03 | 23.02  | 23.15  | 24.92 | 21.40  |
| Jänner 1893                 | 21.  | 22.07 | 22.14 | 22.20 | 22.24 | 22.32 | 22.36  | 22.07  | 23.05 | 20.07  |
| Februar »                   | 21.  | 20.94 | 21.04 | 21.12 | 21.22 | 21.31 | 21.39  | 21.39  | 23.79 | 18.87  |
| März »                      | 24.  | 23.76 | 23.95 | 24.14 | 24.33 | 24.50 | 24.64  | 24.50  | 26.33 | 22.52  |
| April »                     | 24.  | 23.50 | 23.71 | 23.92 | 24.12 | 24.32 | 24.50  | 24.22  | 25.31 | 22.60  |
| Mai »                       | 22.  | 21.90 | 22.12 | 22.29 | 22.38 | 22.50 | 22.56  | 22.31  | 23.41 | 21.22  |
| Juni »                      | 21.  | 21.39 | 21.61 | 21.88 | 22.02 | 22.10 | 22.20  | 21.67  | 23.27 | 20.18  |
| Juli »                      | 21.  | 20.37 | 20.62 | 20.91 | 21.13 | 21.31 | 21.43  | 21.09  | 22.52 | 17.17  |
| August »                    | 24.  | 23.62 | 23.82 | 24.04 | 24.22 | 24.38 | 24.51  | 24.32  | 25.79 | 22.84  |
| September »                 | 22.  | 21.80 | 22.10 | 22.38 | 22.50 | 22.58 | 22.65  | 22.33  | 24.30 | 20.57  |
| October »                   | 24.  | 23.64 | 23.85 | 24.14 | 24.37 | 24.53 | 24.71  | 24.29  | 26.17 | 22.66  |
| November »                  | 22.  | 21.81 | 21.87 | 21.99 | 22.07 | 22.12 | 22.17  | 21.96  | 24.60 | 19.58  |
| Winter 1893                 | 22.  | 21.93 | 22.00 | 22.08 | 22.15 | 22.22 | 22.26  | 22.20  | 25.50 | 20.11  |
| Frühling »                  | 23.  | 23.05 | 23.26 | 23.45 | 23.61 | 23.77 | 23.90  | 23.68  | 25.22 | 22.11  |
| Sommer »                    | 22.  | 21.79 | 22.02 | 22.28 | 22.46 | 22.60 | 22.71  | 22.36  | 23.86 | 20.06  |
| Herbst »                    | 23.  | 22.42 | 22.61 | 22.84 | 22.98 | 23.08 | 23.16  | 22.88  | 25.00 | 20.94  |
| Jahr 1893                   | 23.  | 22.30 | 22.47 | 22.66 | 22.80 | 22.92 | 23.01  | 22.73  | 24.91 | 20.80  |
| December 1892               | -8.  | -6.31 | -7.05 | -7.76 | -8.06 | -8.36 | -8.62  | -7.31  | -3.78 | -10.82 |
| Jänner 1893                 | -10. | -8.16 | -8.70 | -9.19 | -9.48 | -9.75 | -10.04 | -9.58  | -3.12 | -13.20 |
| Februar »                   | -4.  | -1.01 | -1.86 | -2.66 | -3.18 | -3.71 | -4.14  | -3.05  | 2.50  | -7.93  |
| März »                      | 1.   | 6.64  | 5.34  | 3.99  | 3.31  | 2.67  | 2.09   | 4.02   | 9.98  | -1.25  |
| April »                     | 6.   | 12.13 | 10.61 | 9.09  | 8.46  | 7.83  | 7.18   | 9.38   | 16.36 | 3.38   |
| Mai »                       | 10.  | 15.47 | 14.10 | 12.65 | 12.03 | 11.39 | 10.77  | 13.30  | 18.60 | 7.85   |
| Juni »                      | 13.  | 20.14 | 18.34 | 15.92 | 15.39 | 14.89 | 14.42  | 17.15  | 23.93 | 11.99  |
| Juli »                      | 16.  | 21.92 | 19.89 | 18.05 | 17.54 | 17.09 | 16.67  | 19.22  | 24.01 | 14.50  |
| August »                    | 15.  | 21.30 | 19.45 | 17.72 | 17.26 | 16.83 | 16.41  | 18.77  | 24.83 | 13.89  |
| September »                 | 12.  | 15.87 | 14.88 | 13.89 | 13.49 | 13.06 | 12.69  | 14.42  | 19.36 | 10.01  |
| October »                   | 7.   | 10.79 | 9.77  | 8.70  | 8.25  | 7.82  | 7.34   | 9.26   | 14.28 | 5.13   |
| November »                  | 1.   | 1.90  | 1.53  | 1.21  | 1.11  | 1.00  | 0.93   | 1.63   | 3.61  | -0.31  |
| Winter 1893                 | -8.  | -5.16 | -5.87 | -6.54 | -6.91 | -7.27 | -7.60  | -6.65  | -1.47 | -10.65 |
| Frühling »                  | 5.   | 11.41 | 10.02 | 8.58  | 7.93  | 7.30  | 6.68   | 8.90   | 14.98 | 3.33   |
| Sommer »                    | 15.  | 21.12 | 19.23 | 17.23 | 16.73 | 16.27 | 15.83  | 18.39  | 24.26 | 13.46  |
| Herbst »                    | 6.   | 9.52  | 8.59  | 7.93  | 7.63  | 7.29  | 6.99   | 8.44   | 12.42 | 4.71   |
| Jahr 1893                   | 5.   | 9.22  | 7.99  | 6.80  | 6.34  | 5.90  | 5.47   | 7.27   | 12.55 | 2.71   |



# Die Stundenbeobachtungen 1893 in Klagenfurt mit dem Baro- und Thermographen.

## System Frères Richard.

### A. Luftdruck in Millimetern 700 +

Angaben des Instrumentes für die Beobachtungsstunden

| Monat<br>Jahreszeit<br>Jahr | Angaben des Instrumentes für die Beobachtungsstunden |              |              |              |              |              |              |              |              |              |              |              | Angaben des Instrumentes für die Beobachtungsstunden |              |              |              |              |              |              |              |              |              |              |              | Mittel       | Max.         | Min.         |
|-----------------------------|------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                             | 1                                                    | 2            | 3            | 4            | 5            | 6            | 7            | 8            | 9            | 10           | 11           | Mittag       | 1                                                    | 2            | 3            | 4            | 5            | 6            | 7            | 8            | 9            | 10           | 11           | 12           |              |              |              |
| December 1892               | 23.47                                                | 23.45        | 23.43        | 23.42        | 23.40        | 23.40        | 23.42        | 23.48        | 23.52        | 23.57        | 23.51        | 23.32        | 23.10                                                | 22.89        | 22.73        | 22.66        | 22.67        | 22.69        | 22.75        | 22.83        | 22.93        | 23.00        | 23.03        | 23.02        | 23.15        | 24.92        | 21.40        |
| Jänner 1893                 | 21.82                                                | 21.84        | 21.86        | 21.87        | 21.93        | 22.03        | 22.10        | 22.17        | 22.23        | 22.28        | 22.26        | 22.15        | 22.02                                                | 21.91        | 21.92        | 21.93        | 21.96        | 22.01        | 22.07        | 22.14        | 22.20        | 22.24        | 22.32        | 22.36        | 22.07        | 23.05        | 20.07        |
| Februar                     | 21.68                                                | 21.69        | 21.70        | 21.71        | 21.68        | 21.66        | 21.65        | 21.70        | 21.72        | 21.69        | 21.64        | 21.50        | 21.32                                                | 21.14        | 21.05        | 20.95        | 20.89        | 20.89        | 20.94        | 21.04        | 21.12        | 21.22        | 21.31        | 21.39        | 21.39        | 23.79        | 18.87        |
| März                        | 24.79                                                | 24.87        | 24.89        | 24.95        | 25.05        | 25.14        | 25.23        | 25.28        | 25.21        | 25.10        | 24.94        | 24.64        | 24.30                                                | 23.92        | 23.69        | 23.58        | 23.53        | 23.59        | 23.76        | 23.95        | 24.14        | 24.33        | 24.50        | 24.64        | 24.50        | 26.33        | 22.52        |
| April                       | 24.53                                                | 24.59        | 24.67        | 24.73        | 24.80        | 24.92        | 25.05        | 24.99        | 24.89        | 24.74        | 24.47        | 24.16        | 23.82                                                | 23.51        | 23.38        | 23.30        | 23.27        | 23.35        | 23.50        | 23.71        | 23.92        | 24.12        | 24.32        | 24.50        | 24.22        | 25.31        | 22.60        |
| Mai                         | 22.64                                                | 22.67        | 22.67        | 22.70        | 22.70        | 22.78        | 22.85        | 22.78        | 22.67        | 22.54        | 22.36        | 22.15        | 21.94                                                | 21.75        | 21.77        | 21.61        | 21.60        | 21.72        | 21.90        | 22.12        | 22.29        | 22.38        | 22.50        | 22.56        | 22.31        | 23.41        | 21.22        |
| Juni                        | 21.99                                                | 21.97        | 21.95        | 21.94        | 21.96        | 22.06        | 22.18        | 22.07        | 21.92        | 21.77        | 21.59        | 21.39        | 21.19                                                | 20.98        | 20.94        | 20.89        | 20.98        | 21.15        | 21.39        | 21.61        | 21.88        | 22.02        | 22.10        | 22.20        | 21.67        | 23.27        | 20.18        |
| Juli                        | 21.61                                                | 21.60        | 21.60        | 21.61        | 21.66        | 21.71        | 21.75        | 21.67        | 21.54        | 21.41        | 21.20        | 20.98        | 20.74                                                | 20.51        | 20.35        | 20.19        | 20.12        | 20.15        | 20.37        | 20.62        | 20.91        | 21.13        | 21.31        | 21.43        | 21.09        | 22.52        | 17.17        |
| August                      | 24.68                                                | 24.69        | 24.72        | 24.79        | 24.89        | 24.99        | 25.13        | 25.16        | 25.06        | 24.95        | 24.65        | 24.29        | 23.93                                                | 23.61        | 23.42        | 23.32        | 23.33        | 23.41        | 23.62        | 23.82        | 24.04        | 24.22        | 24.38        | 24.51        | 24.32        | 25.79        | 22.84        |
| September                   | 22.60                                                | 22.64        | 22.68        | 22.68        | 22.69        | 22.74        | 22.81        | 22.88        | 22.87        | 22.81        | 22.66        | 22.43        | 22.20                                                | 22.04        | 21.75        | 21.62        | 21.52        | 21.55        | 21.80        | 22.10        | 22.38        | 22.50        | 22.58        | 22.65        | 22.38        | 24.30        | 20.57        |
| October                     | 24.64                                                | 24.67        | 24.67        | 24.67        | 24.65        | 24.65        | 24.70        | 24.77        | 24.83        | 24.84        | 24.67        | 24.40        | 24.10                                                | 23.70        | 23.49        | 23.41        | 23.40        | 23.47        | 23.64        | 23.85        | 24.14        | 24.37        | 24.53        | 24.71        | 24.29        | 26.17        | 22.66        |
| November                    | 22.10                                                | 22.10        | 22.07        | 22.02        | 21.98        | 21.95        | 21.93        | 22.00        | 22.09        | 22.17        | 22.15        | 22.02        | 21.86                                                | 21.69        | 21.68        | 21.70        | 21.70        | 21.73        | 21.81        | 21.87        | 21.99        | 22.07        | 22.12        | 22.17        | 21.96        | 24.60        | 19.58        |
| Winter 1893                 | 22.32                                                | 22.33        | 22.33        | 22.33        | 22.34        | 22.36        | 22.39        | 22.45        | 22.49        | 22.51        | 22.47        | 22.32        | 22.15                                                | 21.98        | 21.90        | 21.85        | 21.84        | 21.86        | 21.93        | 22.00        | 22.08        | 22.15        | 22.22        | 22.26        | 22.20        | 25.50        | 20.11        |
| Frühling                    | 23.99                                                | 24.04        | 24.08        | 24.13        | 24.18        | 24.28        | 24.38        | 24.35        | 24.26        | 24.13        | 23.92        | 23.71        | 23.41                                                | 23.06        | 22.95        | 22.83        | 22.80        | 22.89        | 23.05        | 23.26        | 23.45        | 23.61        | 23.77        | 23.90        | 23.68        | 25.22        | 22.11        |
| Sommer                      | 22.72                                                | 22.75        | 22.76        | 22.78        | 22.84        | 22.92        | 23.02        | 22.97        | 23.17        | 22.71        | 22.48        | 22.22        | 21.95                                                | 21.70        | 21.57        | 21.47        | 21.48        | 21.57        | 21.79        | 22.02        | 22.28        | 22.46        | 22.60        | 22.71        | 22.36        | 23.86        | 20.06        |
| Herbst                      | 23.05                                                | 23.14        | 23.14        | 23.12        | 23.11        | 23.11        | 23.15        | 23.22        | 23.26        | 23.27        | 23.16        | 22.95        | 22.72                                                | 22.78        | 22.31        | 22.24        | 22.21        | 22.25        | 22.42        | 22.61        | 22.84        | 22.98        | 23.08        | 23.16        | 22.88        | 25.00        | 20.94        |
| Jahr 1893                   | <b>23.09</b>                                         | <b>23.09</b> | <b>23.08</b> | <b>23.09</b> | <b>23.12</b> | <b>23.17</b> | <b>22.98</b> | <b>23.25</b> | <b>23.27</b> | <b>23.15</b> | <b>23.01</b> | <b>22.80</b> | <b>22.56</b>                                         | <b>22.38</b> | <b>22.18</b> | <b>22.10</b> | <b>22.08</b> | <b>22.17</b> | <b>22.30</b> | <b>22.47</b> | <b>22.66</b> | <b>22.80</b> | <b>22.92</b> | <b>23.01</b> | <b>22.78</b> | <b>24.91</b> | <b>20.80</b> |

### B. Luftwärme in Celsius-Graden.

|               |             |             |             |             |             |             |             |             |             |             |             |             |              |              |              |              |              |              |             |             |             |             |             |             |             |              |             |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|
| December 1892 | -8.63       | -8.71       | -8.79       | -8.86       | -8.96       | -9.10       | -9.22       | -8.98       | -8.65       | -7.86       | -6.87       | -5.88       | -5.21        | -4.56        | -4.28        | -4.38        | -4.91        | -5.56        | -6.31       | -7.05       | -7.76       | -8.06       | -8.36       | -8.62       | -7.31       | -3.78        | -10.82      |
| Jänner 1893   | -10.48      | -10.72      | -11.00      | -11.31      | -11.65      | -12.06      | -12.46      | -12.25      | -11.70      | -10.58      | -9.16       | -8.41       | -7.66        | -6.80        | -6.68        | 6.72         | -7.15        | -7.64        | -8.16       | -8.70       | -9.19       | -9.48       | -9.75       | -10.04      | -9.58       | -3.12        | -13.20      |
| Februar       | -4.93       | -5.36       | -5.77       | -6.18       | -6.58       | -6.90       | -7.16       | -6.74       | -5.50       | -3.77       | -2.10       | 0.50        | 0.48         | 1.36         | 1.42         | 1.22         | 0.59         | -0.14        | -1.01       | -1.86       | -2.66       | -3.13       | -3.71       | -4.14       | -3.05       | 2.50         | -7.93       |
| März          | 1.35        | 1.07        | 0.53        | 0.06        | -0.41       | -0.78       | 1.06        | 0.32        | 2.05        | 3.73        | 5.34        | 6.91        | 8.01         | 9.08         | 9.55         | 9.51         | 8.95         | 7.92         | 6.64        | 5.34        | 3.99        | 3.31        | 2.67        | 2.09        | 4.02        | 9.98         | -1.25       |
| April         | 6.31        | 5.66        | 4.96        | 4.37        | 3.82        | 3.52        | 4.04        | 5.92        | 7.83        | 9.72        | 11.54       | 13.41       | 14.36        | 15.33        | 15.47        | 15.23        | 14.62        | 13.69        | 12.13       | 10.61       | 9.09        | 8.46        | 7.83        | 7.18        | 9.38        | 16.36        | 3.38        |
| Mai           | 10.21       | 9.68        | 9.17        | 8.69        | 8.43        | 9.31        | 10.61       | 11.90       | 13.18       | 14.43       | 15.72       | 16.83       | 17.33        | 17.79        | 17.68        | 17.63        | 17.38        | 16.89        | 15.47       | 14.10       | 12.65       | 12.03       | 11.39       | 10.77       | 13.30       | 18.60        | 7.85        |
| Juni          | 16.42       | 15.90       | 15.54       | 15.14       | 14.81       | 15.46       | 16.22       | 17.38       | 18.53       | 19.79       | 21.08       | 22.18       | 22.72        | 23.29        | 23.67        | 23.97        | 24.12        | 23.95        | 21.92       | 19.89       | 18.05       | 17.54       | 17.09       | 16.67       | 19.22       | 24.01        | 14.50       |
| Juli          | 15.99       | 15.64       | 15.19       | 14.76       | 14.33       | 14.31       | 14.81       | 16.21       | 17.64       | 19.04       | 20.54       | 21.91       | 22.62        | 23.63        | 24.11        | 24.04        | 23.60        | 23.01        | 21.30       | 19.45       | 17.72       | 17.26       | 16.83       | 16.41       | 18.77       | 24.83        | 13.89       |
| August        | 12.28       | 11.85       | 11.53       | 11.19       | 10.83       | 10.61       | 11.04       | 12.23       | 13.51       | 14.84       | 16.20       | 17.60       | 18.24        | 18.83        | 18.64        | 18.39        | 17.83        | 16.87        | 15.87       | 14.88       | 13.89       | 13.49       | 13.06       | 12.69       | 14.42       | 19.36        | 10.01       |
| September     | 7.45        | 7.03        | 6.64        | 6.29        | 5.95        | 5.64        | 5.68        | 6.82        | 7.99        | 9.29        | 10.53       | 11.80       | 12.81        | 13.66        | 13.85        | 13.68        | 12.78        | 11.79        | 10.79       | 9.77        | 8.70        | 8.25        | 7.82        | 7.34        | 9.26        | 14.28        | 5.13        |
| October       | 1.05        | 0.96        | 0.84        | 0.72        | 0.55        | 0.41        | 0.34        | 0.64        | 1.08        | 1.65        | 2.26        | 2.88        | 3.20         | 3.40         | 3.31         | 3.39         | 2.70         | 2.33         | 1.90        | 1.53        | 1.21        | 1.11        | 1.00        | 0.93        | 1.63        | 3.61         | -0.31       |
| November      | -8.01       | -8.26       | -8.52       | -8.78       | -9.06       | -9.35       | -9.61       | -9.32       | -8.62       | -7.40       | -6.04       | -4.93       | -4.13        | -3.33        | -3.18        | -3.29        | -3.82        | -4.45        | -5.16       | -5.87       | -6.54       | -6.91       | -7.27       | -7.60       | -6.65       | -1.47        | -10.65      |
| Winter 1893   | -8.01       | -8.26       | -8.52       | -8.78       | -9.06       | -9.35       | -9.61       | -9.32       | -8.62       | -7.40       | -6.04       | -4.93       | -4.13        | -3.33        | -3.18        | -3.29        | -3.82        | -4.45        | -5.16       | -5.87       | -6.54       | -6.91       | -7.27       | -7.60       | -6.65       | -1.47        | -10.65      |
| Frühling      | 5.96        | 5.47        | 4.89        | 4.37        | 3.95        | 4.02        | 4.53        | 6.05        | 7.68        | 9.29        | 10.87       | 12.38       | 13.23        | 14.07        | 14.23        | 14.12        | 13.65        | 12.83        | 11.41       | 10.02       | 8.58        | 7.93        | 7.30        | 6.68        | 8.90        | 14.98        | 3.33        |
| Sommer        | 15.40       | 14.99       | 14.58       | 14.17       | 13.83       | 14.39       | 15.24       | 16.50       | 17.74       | 19.04       | 20.34       | 21.52       | 21.94        | 22.76        | 23.11        | 23.28        | 23.14        | 22.90        | 21.12       | 19.23       | 17.23       | 16.73       | 16.27       | 15.83       | 18.39       | 24.26        | 13.44       |
| Herbst        | 6.93        | 6.61        | 6.34        | 6.07        | 5.78        | 5.55        | 5.69        | 6.23        | 7.53        | 8.59        | 9.66        | 10.76       | 11.42        | 11.94        | 11.93        | 11.82        | 11.10        | 10.33        | 9.52        | 8.59        | 7.93        | 7.63        | 7.29        | 6.99        | 8.44        | 12.42        | 4.77        |
| Jahr 1893     | <b>5.07</b> | <b>4.70</b> | <b>4.32</b> | <b>3.96</b> | <b>3.62</b> | <b>3.65</b> | <b>3.86</b> | <b>4.86</b> | <b>6.08</b> | <b>7.38</b> | <b>8.71</b> | <b>9.93</b> | <b>10.61</b> | <b>11.36</b> | <b>11.52</b> | <b>11.48</b> | <b>11.02</b> | <b>10.40</b> | <b>9.22</b> | <b>7.99</b> | <b>6.80</b> | <b>6.34</b> | <b>5.90</b> | <b>5.47</b> | <b>7.27</b> | <b>12.55</b> | <b>2.77</b> |





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