

# Państwowy Instytut Hydrologiczno-Meteorologiczny

Symbol stacji

Wyniki spostrzeżeń nad temperaturą gruntu.

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Rok 1953  
 Miesiąc Kwiecień  
 $\varphi = 52^{\circ}15'$ ,  $\lambda = 17^{\circ}06'$ , Hs = 168.5 m

## Dane o termometrach:

| Głębokość umieszczenia     | Typ termometru   | Wytwórnia             | Nr fabryczny  | Nr i data świad. sprawdz.      | Poprawki   | Data ustawienia termometru |
|----------------------------|------------------|-----------------------|---------------|--------------------------------|--|----------------------------|
| <u>5</u> cm                | <u>kolankowy</u> | <u>Termo-areometr</u> | <u>100519</u> | <u>3375</u><br><u>10.6.49.</u> | <u>-11.2 -5.8 0.1 ; 7.6 100 -0.1</u><br><u>-5.7 2.3 0.2 ; 10.1 206 -0.2</u><br><u>2.4 4.9 0.1 ; 20.7 32.7 -0.1</u><br><u>5.0 7.5 0.0 ;</u> | <u>XII. 1949</u>           |
| <u>10</u> cm               | <u>-"-</u>       | <u>-"-</u>            | <u>100566</u> | <u>3386</u><br><u>-"-</u>      | <u>-10.0 3.3 0.0 ; 10.1 32.6 -0.3</u><br><u>3.4 6.7 -0.1</u><br><u>6.8 10.0 -0.2</u>   | <u>-"-</u>                 |
| <u>20</u> cm               | <u>-"-</u>       | <u>-"-</u>            | <u>100684</u> | <u>3401</u><br><u>-"-</u>      | <u>-6.8 -4.6 -0.3 ; 4.3 8.4 -0.2</u><br><u>-4.5 -2.3 -0.2 ; 8.5 13.8 -0.3</u><br><u>-2.2 4.2 -0.1 ; 13.9 32.6 -0.2</u>                     | <u>-"-</u>                 |
| <u>50</u> cm               | <u>-"-</u>       | <u>-"-</u>            | <u>100663</u> | <u>bez popr.</u>               |  | <u>-"-</u>                 |
| <u>5</u> " <u>u p. gr.</u> | <u>min.</u>      | <u>-"-</u>            | <u>101986</u> | <u>3679</u><br><u>5.9.49.</u>  | <u>-14.1 -4.7 -0.1</u><br><u>-4.6 5.1 0.0 ; 5.2 15.1 -0.1</u>  | <u>-"-</u>                 |

Szczegółowy opis przekroju gruntu z podaniem grubości poszczególnych warstw: \_\_\_\_\_

Jak rozstawione są termometry (odległość w cm) i rodzaj pokrywy: 14-33-14 chwasty

Miejsce obserwacji: ogródek meteorologiczny

Zmiany zaszły w ciągu miesiąca sprawozdawczego w ustawieniu i działaniu termometrów: \_\_\_\_\_

Data ustalenia się pokrywy śnieżnej: \_\_\_\_\_

Data zniknięcia pokrywy śnieżnej: \_\_\_\_\_

Uwagi: \_\_\_\_\_

Kierownik Stacji: \_\_\_\_\_

Obserwator: Chacmarch.



Srednia dzienna:  $\frac{1}{4}(7^h + 13^h + 21^h)$

| Dzień        | Term. Nr <u>100519</u><br>Głębokość <u>5</u> cm |       |       |                  | Term. Nr <u>100566</u><br>Głębokość <u>10</u> cm |       |       |                  | Term. Nr <u>100684</u><br>Głębokość <u>30</u> cm |       |       |                  | Term. Nr <u>100663</u><br>Głębokość <u>50</u> cm |       |       |                  | Termometr<br>min. w przyj.<br>warstwie pow. | Pokrywa<br>śnieżna w<br>miejscu inst.<br>term. min. |   |
|--------------|---|-------|-------|------------------|--|-------|-------|------------------|--|-------|-------|------------------|--|-------|-------|------------------|---|---|---|
|              | 7   | 13    | 21    | średn.<br>dzien. | 7  | 13    | 21    | średn.<br>dzien. | 7  | 13    | 21    | średn.<br>dzien. | 7  | 13    | 21    | średn.<br>dzien. |   | U   | T |
| 1            | 4.0   | 11.6  | 6.6   | 7.4              | 4.7  | 10.1  | 7.6   | 7.5              | 5.9  | 7.7   | 8.3   | 7.3              | 7.2  | 6.9   | 7.1   | 7.1              | 0.9   |   |   |
| 2            | 5.2   | 14.0  | 9.5   | 9.6              | 5.6  | 11.5  | 10.2  | 9.1              | 6.2  | 8.5   | 10.1  | 8.3              | 7.0  | 7.0   | 7.5   | 7.2              | -1.2  |   |   |
| 3            | 6.9   | 17.0  | 11.8  | 12.2             | 7.4  | 14.1  | 12.5  | 11.3             | 7.9  | 10.4  | 12.1  | 10.1             | 7.8  | 7.8   | 8.7   | 8.1              | 2.9   |   |   |
| 4            | 7.0   | 17.2  | 12.8  | 12.3             | 7.7  | 14.5  | 13.3  | 11.8             | 8.5  | 11.1  | 12.6  | 10.7             | 8.7  | 8.6   | 9.4   | 8.9              | 1.6   |   |   |
| 5            | 9.2   | 9.9   | 7.5   | 8.9              | 9.6  | 9.8   | 8.7   | 9.4              | 9.9  | 9.8   | 9.5   | 9.7              | 9.4  | 9.2   | 9.0   | 9.2              | 10.7  |   |   |
| 6            | 5.2   | 11.6  | 9.3   | 8.7              | 5.9  | 10.1  | 10.1  | 8.7              | 7.0  | 8.3   | 10.1  | 8.5              | 8.4  | 8.1   | 8.4   | 8.3              | -1.5  |   |   |
| 7            | 6.4   | 12.9  | 8.5   | 9.2              | 6.9  | 11.2  | 9.6   | 9.2              | 7.8  | 9.1   | 9.9   | 8.9              | 8.4  | 8.4   | 8.5   | 8.4              | 5.4   |   |   |
| 8            | 5.9   | 13.9  | 8.8   | 9.5              | 6.5  | 11.3  | 9.9   | 9.2              | 7.3  | 8.6   | 10.3  | 8.7              | 8.3  | 8.1   | 8.5   | 8.3              | 0.7   |   |   |
| 9            | 4.5   | 14.0  | 11.0  | 9.8              | 5.4  | 11.7  | 11.3  | 9.5              | 6.7  | 9.1   | 10.9  | 8.9              | 8.3  | 8.1   | 8.6   | 8.3              | -4.4  |   |   |
| 10           | 7.2   | 11.8  | 6.2   | 8.4              | 8.0  | 10.6  | 7.8   | 8.8              | 8.8  | 9.3   | 9.1   | 9.1              | 8.8  | 8.7   | 8.8   | 8.8              | 3.6   |   |   |
| Suma dek.    | 61.5  | 133.9 | 92.0  | 96.0             | 67.7   | 144.9 | 101.0 | 94.5             | 76.0   | 91.9  | 102.9 | 90.2             | 82.3   | 80.9  | 84.5  | 82.6             | 18.7  |   |   |
| 11           | 1.8   | 13.6  | 7.5   | 7.6              | 3.2  | 11.1  | 8.8   | 7.7              | 5.3  | 8.2   | 9.5   | 7.7              | 8.1  | 7.8   | 8.2   | 8.0              | -7.1  |   |   |
| 12           | 2.9   | 14.8  | 10.0  | 9.2              | 3.8  | 11.8  | 10.9  | 8.8              | 5.6  | 8.5   | 10.9  | 8.3              | 8.0  | 7.8   | 8.4   | 8.1              | 1.8   |   |   |
| 13           | 5.0   | 15.4  | 9.5   | 10.0             | 5.9  | 12.8  | 10.7  | 9.8              | 7.2  | 9.7   | 11.1  | 9.8              | 8.5  | 8.5   | 9.0   | 8.7              | 6.1   |   |   |
| 14           | 7.5   | 12.8  | 10.4  | 10.2             | 8.0  | 11.0  | 11.1  | 10.1             | 8.5  | 9.3   | 10.9  | 9.6              | 9.0  | 8.8   | 9.1   | 9.0              | 6.1   |   |   |
| 15           | 7.0   | 16.8  | 11.8  | 11.9             | 7.6  | 13.9  | 12.5  | 11.3             | 8.5  | 10.7  | 12.3  | 10.5             | 9.1  | 9.0   | 9.6   | 9.2              | 1.8   |   |   |
| 16           | 7.4   | 17.8  | 12.2  | 12.5             | 8.2  | 14.6  | 13.1  | 12.0             | 9.3  | 11.3  | 13.0  | 11.2             | 9.8  | 9.7   | 10.2  | 9.9              | 6.9   |   |   |
| 17           | 7.5   | 16.3  | 12.0  | 11.9             | 8.4  | 13.6  | 12.8  | 11.6             | 9.6  | 11.0  | 12.5  | 11.0             | 10.2   | 10.0  | 10.2  | 10.1             | -2.9  |   |   |
| 18           | 7.6   | 18.5  | 10.6  | 12.2             | 8.4  | 15.1  | 11.9  | 11.8             | 9.4  | 11.6  | 12.1  | 11.0             | 10.1   | 10.1  | 10.6  | 10.3             | -0.5  |   |   |
| 19           | 8.3   | 17.6  | 11.6  | 12.5             | 9.0  | 14.4  | 12.7  | 12.0             | 9.9  | 11.5  | 12.9  | 11.4             | 10.5   | 10.3  | 11.7  | 10.8             | 6.5   |   |   |
| 20           | 4.9   | 16.7  | 14.6  | 12.1             | 6.5  | 13.3  | 11.7  | 10.5             | 8.8  | 10.5  | 12.1  | 10.5             | 10.4   | 10.1  | 11.3  | 10.6             | -12.0                                       |   |   |
| Suma dek.    | 59.9  | 160.3 | 110.2 | 110.1            | 69.0   | 131.6 | 116.2 | 105.6            | 82.1   | 102.3 | 117.3 | 100.5            | 93.7   | 92.1  | 98.3  | 94.7             | 6.7   |   |   |
| 21           | 4.6   | 16.4  | 11.0  | 10.7             | 6.6  | 11.9  | 12.5  | 10.3             | 8.1  | 10.1  | 12.4  | 10.2             | 10.1   | 9.8   | 10.2  | 10.0             | -8.8  |   |   |
| 22           | 6.1   | 18.6  | 12.2  | 12.3             | 7.9  | 13.2  | 13.5  | 11.5             | 9.1  | 11.1  | 13.3  | 11.2             | 10.3   | 10.1  | 10.6  | 10.3             | -7.7  |   |   |
| 23           | 6.4   | 18.9  | 12.6  | 12.6             | 8.4  | 13.6  | 13.8  | 11.9             | 9.6  | 11.5  | 13.4  | 11.5             | 10.5   | 10.4  | 10.4  | 10.4             | -7.9  |   |   |
| 24           | 9.1   | 19.7  | 13.9  | 14.2             | 9.8  | 14.6  | 14.7  | 13.0             | 10.3   | 12.5  | 14.9  | 12.3             | 10.8   | 10.8  | 10.9  | 10.8             | -3.8  |   |   |
| 25           | 8.8   | 20.1  | 14.5  | 14.5             | 10.3   | 14.9  | 15.1  | 13.4             | 11.2   | 12.8  | 14.7  | 12.9             | 11.2   | 11.2  | 11.2  | 11.2             | -3.5  |   |   |
| 26           | 10.0  | 18.2  | 12.8  | 13.7             | 11.3   | 14.1  | 14.3  | 13.2             | 11.8   | 12.5  | 14.0  | 12.8             | 11.5   | 11.4  | 11.4  | 11.4             | 2.5   |   |   |
| 27           | 7.2   | 17.4  | 14.2  | 12.9             | 9.0  | 13.1  | 14.5  | 12.2             | 10.3   | 11.5  | 13.7  | 11.8             | 11.4   | 11.2  | 11.1  | 11.2             | -5.6  |   |   |
| 28           | 10.6  | 16.3  | 11.0  | 12.6             | 11.2   | 13.2  | 12.6  | 12.3             | 11.5   | 12.1  | 12.6  | 12.1             | 11.3   | 11.3  | 11.1  | 11.2             | 5.9   |   |   |
| 29           | 10.0  | 18.6  | 13.7  | 14.1             | 10.3   | 15.9  | 14.6  | 13.6             | 10.7   | 13.4  | 14.5  | 12.9             | 11.1   | 11.1  | 11.4  | 11.2             | 6.9   |   |   |
| 30           | 10.7  | 20.2  | 14.9  | 15.3             | 11.0   | 16.7  | 15.5  | 14.4             | 11.4   | 14.1  | 15.5  | 13.7             | 11.6   | 11.6  | 12.0  | 11.7             | 4.5   |   |   |
| 31           | -   | -     | -     | -                | -  | -     | -     | -                | -  | -     | -     | -                | -  | -     | -     | -                | -   |   |   |
| Suma dek.    | 83.5  | 184.4 | 130.8 | 132.9            | 95.8   | 141.2 | 141.1 | 125.8            | 104.0  | 122.1 | 138.3 | 121.4            | 109.8  | 108.9 | 110.3 | 109.4            | -17.5                                       |   |   |
| Suma mies.   | 204.9   | 478.6 | 333.0 | 339.0            | 232.5  | 387.7 | 398.3 | 322.6            | 262.1  | 316.3 | 358.5 | 312.1            | 285.8  | 281.9 | 293.1 | 286.7            | 7.9   |   |   |
| Sredn. mies. | 6.8   | 16.0  | 11.1  | 11.3             | 7.8  | 12.9  | 11.6  | 10.8             | 8.1  | 10.5  | 12.0  | 10.4             | 9.5  | 9.4   | 9.8   | 9.6              | 0.3   |   |   |
| Max.         | 20.2  | dn.   | 30    |                  | 16.7   | dn.   | 30    |                  | 15.5   | dn.   | 30    |                  | 12.0   | dn.   | 30    |                  |   |   |   |
| Min.         | 1.8   | dn.   | 11    |                  | 3.2  | dn.   | 11    |                  | 5.3  | dn.   | 11    |                  | 6.9  | dn.   | 1     |                  |   |   |   |