

# Państwowy Instytut Hydrologiczno-Meteorologiczny

Wyniki spostrzeżeń nad temperaturą gruntu

Symbol stacji

Stacja **KÓRNIK**

Rok **1964**

Powiat **ŚREM**

Miesiąc **luty marzec**

Dorzecze **WARTA**

$\varphi = 52^{\circ}15'$ ,  $\lambda = 17^{\circ}06'$ ,  $H_s = 76,85 m$

## Dane o termometrach:

| Głębokość umieszczenia                | Typ termometru   | Wytwórnia             | Nr fabryczny                   | Nr i data świad. sprawdz. | Poprawki            |       |      |      |      |      | Data ustawienia termometru |
|---------------------------------------|------------------|-----------------------|--------------------------------|---------------------------|---------------------|-------|------|------|------|------|----------------------------|
|                                       |                  |                       |                                |                           | -16.8               | -11.3 | 0.0  | 5.0  | 7.5  | 0.0  |                            |
| 5 cm                                  | <i>Polarkowy</i> | <i>Termos-arcowat</i> | 100 579                        | 3375. 10.6.49             | -11.2               | -5.8  | 0.1  | 7.6  | 10.0 | -0.7 | XII. 1949.                 |
|                                       |                  |                       |                                |                           | -5.7                | 2.3   | 0.2  | 10.1 | 20.6 | -0.2 |                            |
| 10 cm                                 | "                | "                     | 100 566                        | 3386. -4-                 | 2.4                 | 4.9   | 0.1  |      |      |      | "                          |
|                                       |                  |                       |                                |                           | -10.0               | 3.3   | 4.0  | 10.7 | 32.6 | -0.3 |                            |
|                                       |                  |                       |                                |                           | 3.4                 | 6.7   | -0.1 |      |      |      |                            |
| 20 cm                                 | "                | "                     | 100 684                        | 3401. -4-                 | 6.8                 | 10.0  | -0.2 |      |      |      | "                          |
|                                       |                  |                       |                                |                           | -9.2                | -6.9  | -0.4 | 4.3  | 8.4  | -0.2 |                            |
|                                       |                  |                       |                                |                           | -6.8                | -4.6  | -0.3 | 8.5  | 13.8 | -0.3 |                            |
| 50 cm                                 | "                | "                     | 100 663                        |                           | -4.5                | -2.3  | -0.2 |      |      |      | "                          |
|                                       |                  |                       | <del>94677</del>               |                           | -2.2                | 4.2   | -0.7 |      |      |      |                            |
|                                       |                  |                       |                                |                           | <i>Bez poprawek</i> |       |      |      |      |      |                            |
| Termometr min. w przyz. warstwie pow. |                  | "                     | 17592/52<br>111.034M<br>210-62 | 6360. 31.3.63             | -17.8               | -12.9 | -0.7 | 2.4  | 7.4  | 0.1  | 31.3.1963                  |
|                                       |                  |                       |                                |                           | -12.8               | -7.8  | 0.0  | 7.5  | 24.9 | 0.0  |                            |
|                                       |                  |                       |                                |                           | -7.7                | -2.7  | 0.7  |      |      |      |                            |
|                                       |                  |                       |                                |                           | -2.6                | 2.3   | 0.2  |      |      |      |                            |

Szczegółowy opis przekroju gruntu z podaniem grubości poszczególnych warstw:

Jak rozstawione są termometry (odległość w cm) i rodzaj pokrywy:

*Po 2 termometry z tymczasle, odległości między termometrami 10 cm, położna warst.*

Miejsce obserwacji: *ogrodek 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

*E. Kaszmarek*

Średnia dzienna:  $\frac{1}{3} (7^h + 13^h + 21^h)$ 

| Dzień        | Głębokość w cm |        |       |                  |       |        |       |                  |       |        |       |                  |      |                |      |                  | Termometr<br>min. w przyz.<br>warstwie pow. | Pokrywa<br>śnieżna w<br>miejscu inst.<br>term. min. |   |
|--------------|----------------|--------|-------|------------------|-------|--------|-------|------------------|-------|--------|-------|------------------|------|----------------|------|------------------|---|---|---|
|              | 5              |        |       |                  | 10    |        |       |                  | 20    |        |       |                  | 50   |                |      |                  |   | w   | r |
|              | 7              | 13     | 21    | Sredn.<br>dzien. | 7     | 13     | 21    | Sredn.<br>dzien. | 7     | 13     | 21    | Sredn.<br>dzien. | 7    | 13             | 21   | Sredn.<br>dzien. |   |   |   |
| 1            | -1.4           | -0.3   | -1.6  | -1.1             | -1.1  | -0.3   | -1.4  | -0.9             | -0.9  | -0.7   | -1.0  | -0.9             | 0.1  | 0.1            | 0.1  | 0.1              | -2.3  | .   | . |
| 2            | -1.6           | -0.6   | -1.5  | -1.2             | -1.6  | -0.6   | -1.2  | -1.1             | -1.5  | -0.9   | -1.1  | -1.2             | 0.1  | 0.0            | 0.0  | 0.0              | -3.1  | .   | . |
| 3            | -2.0           | -0.2   | -1.3  | -1.2             | -1.9  | -0.3   | -0.9  | -1.0             | -1.4  | -0.8   | -0.6  | -0.9             | -0.1 | 0.0            | 0.0  | 0.0              | -4.9  | .   | . |
| 4            | -1.6           | -0.1   | -0.5  | -0.7             | -1.4  | -0.2   | -0.3  | -0.6             | -1.2  | -0.6   | -0.4  | -0.7             | 0.0  | 0.0            | 0.0  | 0.0              | -5.9  | .   | . |
| 5            | -2.4           | -0.6   | -2.4  | -1.8             | -1.9  | -0.6   | -1.9  | -1.5             | -1.4  | -1.0   | -1.4  | -1.3             | 0.0  | 0.0            | -0.1 | 0.0              | -7.8  | .   | . |
| 6            | -3.9           | -0.6   | -4.0  | -2.8             | -3.4  | -0.9   | -3.2  | -2.5             | -2.8  | -1.7   | -2.1  | -2.2             | -0.2 | -0.1           | -0.2 | -0.2             | -10.5                                       | .   | . |
| 7            | -6.9           | -1.6   | -5.3  | -4.6             | -6.1  | -2.3   | -4.5  | -4.3             | -4.7  | -3.6   | -4.5  | -4.3             | -0.5 | -0.7           | -0.7 | -0.6             | -11.3                                       | .   | . |
| 8            | -6.7           | -1.4   | -5.2  | -4.4             | -6.4  | -2.1   | -4.8  | -4.4             | -5.7  | -3.8   | -3.9  | -4.5             | -1.5 | -1.2           | -1.1 | -1.3             | -12.2                                       | .   | . |
| 9            | -7.3           | -0.7   | -1.8  | -3.3             | -6.7  | -1.3   | -1.1  | -3.0             | -5.6  | -2.8   | -1.2  | -3.2             | -1.4 | -1.3           | -0.8 | -1.2             | -14.3                                       | .   | . |
| 10           | -5.0           | 0.0    | 0.0   | -1.7             | -4.5  | -0.3   | 0.0   | -1.6             | -3.6  | -1.4   | -0.5  | -1.8             | -0.8 | -0.8           | -0.5 | -0.7             | -11.5                                       | .   | . |
| Suma dek.    | -38.8          | -6.1   | -23.6 | -22.8            | -35.0 | -8.9   | -19.3 | -20.9            | -28.8 | -17.2  | -16.7 | -22.0            | -4.3 | -4.0           | -3.3 | -3.9             | -83.8                                       |   |   |
| 11           | -2.4           | 0.1    | -0.7  | -0.8             | -1.7  | 0.0    | 0.0   | -0.6             | -1.3  | -0.5   | -0.4  | -0.7             | -0.3 | -0.2           | -0.3 | -0.3             | -7.5  | .   | . |
| 12           | 0.1            | 0.2    | 0.0   | 0.1              | 0.2   | 0.2    | 0.2   | 0.2              | -0.2  | -0.1   | -0.1  | -0.1             | -0.1 | -0.1           | -0.1 | -0.1             | -5.1  | .   | . |
| 13           | -1.2           | 0.2    | 0.0   | -0.3             | -0.6  | 0.2    | 0.1   | -0.1             | -0.2  | -0.1   | -0.1  | -0.1             | -0.1 | 0.0            | 0.0  | 0.0              | -3.1  | .   | . |
| 14           | -2.2           | 0.0    | -0.5  | -0.9             | -1.7  | 0.0    | -0.3  | -0.7             | -0.8  | -0.3   | -0.3  | -0.5             | -0.1 | 0.0            | 0.0  | 0.0              | -4.0  | .   | . |
| 15           | -4.8           | -0.6   | -3.2  | -2.9             | -4.2  | -1.0   | -2.5  | -2.6             | -3.1  | -1.7   | -1.7  | -2.2             | -0.2 | -0.2           | -0.2 | -0.2             | -6.7  | .   | . |
| 16           | -7.1           | -0.3   | -0.9  | -2.8             | -6.4  | -0.7   | -0.5  | -2.5             | -5.2  | -2.0   | -0.7  | -2.6             | -0.6 | -0.7           | -0.4 | -0.6             | -8.8  | .   | . |
| 17           | -6.3           | -0.4   | -1.1  | -2.6             | -5.4  | -0.8   | -0.8  | -2.3             | -4.3  | -1.8   | -0.9  | -2.3             | -0.6 | -0.7           | -0.4 | -0.6             | -11.0                                       | .   | . |
| 18           | -2.2           | -0.4   | -1.2  | -1.3             | -2.0  | -0.4   | -0.9  | -1.1             | -1.8  | -1.0   | -0.8  | -1.2             | -0.4 | -0.3           | -0.3 | -0.3             | -11.9                                       | .   | . |
| 19           | -2.9           | -0.2   | 0.0   | -1.0             | -2.7  | -0.3   | 0.0   | -1.0             | -2.2  | -0.9   | -0.4  | -1.2             | -0.4 | -0.4           | -0.2 | -0.3             | -9.2  | .   | . |
| 20           | -3.6           | 0.0    | 0.0   | -1.2             | -3.2  | -0.2   | 0.1   | -1.1             | -2.2  | -0.8   | -0.3  | -1.1             | -0.3 | -0.2           | -0.2 | -0.2             | -6.5  | .   | . |
| Suma dek.    | -32.6          | -1.4   | -7.0  | -13.7            | -27.7 | -3.0   | -4.6  | -11.8            | -21.3 | -9.2   | -5.7  | -12.0            | -3.1 | -2.8           | -2.1 | -2.6             | -73.8                                       |   |   |
| 21           | 0.1            | 0.2    | 0.2   | 0.2              | 0.2   | 0.3    | 0.2   | 0.2              | -0.1  | 0.0    | -0.1  | -0.1             | -0.1 | -0.1           | -0.1 | -0.1             | 0.5   | .   | . |
| 22           | 0.2            | 1.9    | 0.2   | 0.8              | 0.2   | 0.4    | 0.3   | 0.3              | 0.0   | 0.1    | 0.0   | 0.0              | 0.0  | 0.7            | 0.0  | 0.0              | -0.8  | .   | . |
| 23           | 0.2            | 1.3    | 0.1   | 0.5              | 0.2   | 0.7    | 0.2   | 0.4              | 0.0   | 0.1    | 0.0   | 0.0              | 0.0  | 0.7            | 0.0  | 0.0              | -0.2  | .   | . |
| 24           | 0.1            | 2.0    | 0.0   | 0.7              | 0.2   | 1.0    | 1.2   | 0.8              | 0.0   | 0.1    | 0.0   | 0.0              | 0.0  | 0.7            | 0.0  | 0.0              | -0.5  | .   | . |
| 25           | 0.1            | 5.5    | -0.2  | 1.8              | 0.3   | 3.3    | 0.1   | 1.2              | 0.1   | 0.3    | 0.1   | 0.2              | 0.1  | 0.2            | 0.0  | 0.1              | -2.6  | .   | . |
| 26           | 0.2            | 2.0    | 0.6   | 0.9              | 0.2   | 1.4    | 0.6   | 0.7              | 0.1   | 0.2    | 0.1   | 0.1              | 0.1  | 0.7            | 0.1  | 0.1              | -0.8  | .   | . |
| 27           | 0.2            | 2.4    | 0.8   | 1.1              | 0.3   | 1.9    | 0.8   | 1.0              | 0.1   | 0.2    | 0.1   | 0.1              | 0.1  | 0.7            | 0.1  | 0.1              | 0.1   | .   | . |
| 28           | 0.2            | 1.9    | 1.0   | 1.0              | 0.3   | 1.6    | 0.9   | 0.9              | 0.1   | 0.3    | 0.1   | 0.2              | 0.1  | 0.2            | 0.1  | 0.1              | -0.1  | .   | . |
| 29           | 0.6            | 1.5    | 0.5   | 0.9              | 0.6   | 1.2    | 0.7   | 0.8              | 0.1   | 0.2    | 0.1   | 0.1              | 0.1  | 0.7            | 0.1  | 0.1              | 0.7   | .   | . |
| 30           | 0.4            | 2.5    | 1.9   | 1.4              | 0.7   | 2.1    | 1.9   | 1.6              | 0.1   | 0.2    | 0.2   | 0.2              | 0.1  | 0.7            | 0.1  | 0.1              | 0.7   | .   | . |
| 31           | 0.2            | 4.1    | 2.4   | 2.2              | 0.3   | 3.2    | 2.4   | 2.0              | 0.2   | 0.7    | 0.7   | 0.5              | 0.1  | 0.2            | 0.2  | 0.2              | -1.8  | .   | . |
| Suma dek.    | 2.5            | 25.3   | 7.0   | 11.5             | 3.5   | 17.1   | 9.3   | 9.9              | 0.7   | 2.4    | 1.3   | 1.3              | 0.6  | 1.2            | 0.6  | 0.7              | -4.8  |   |   |
| Suma mies.   | -68.9          | 17.8   | -23.6 | -25.0            | -59.2 | 5.2    | -14.6 | -22.8            | -49.4 | -24.0  | -22.7 | -39.7            | -6.8 | -5.6           | -4.8 | -5.8             | -162.4                                      |   |   |
| średn. mies. | -2.2           | 0.6    | -0.8  | -0.8             | -1.9  | 0.2    | -0.5  | -0.7             | -1.6  | -0.8   | -0.7  | -1.0             | -0.2 | -0.2           | -0.2 | -0.2             | -5.2  |   |   |
| Max          | 5.5            | dn. 25 |       |                  | 3.3   | dn. 25 |       |                  | 0.7   | dn. 31 |       |                  | 0.2  | dn. 25, 28, 31 |      |                  | 0.7   | 29.30.  |   |
| Min.         | -7.3           | dn. 9  |       |                  | -6.7  | dn. 9  |       |                  | -5.9  | dn. 8  |       |                  | -1.5 | dn. 8          |      |                  | -14.3                                       | 9   |   |