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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT

BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. január CXXIII. évf. 1. szám

Magyarország túlnyomó részén januárban az átlagosnál enyhébb, napfényben gazdag, csapadékban viszont igen szűkös volt az időjárás.

A napfénytartam a sokévi átlag 120–230 %-át érte el, ami 10–60 órás napfénytöbbletet jelentett. A legtöbb napsütés (110 óra) Pécsett, a legkevesebb (72 óra) Túrkeve térségében fordult elő.

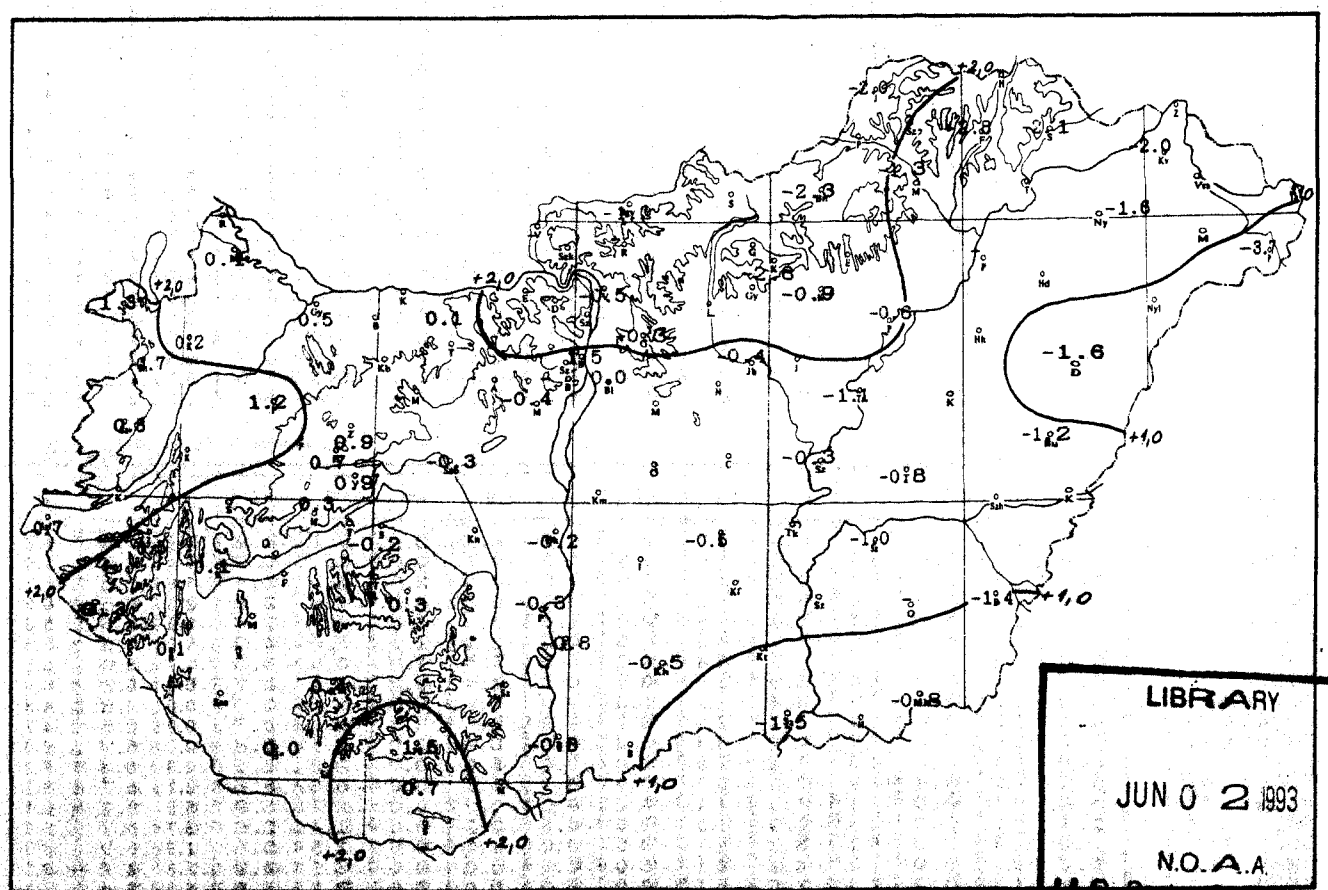
A januári középhőmérséklet a síkvidéki állomásokon -3,7 (Pátyod) és +1,6 °C (Marcali) között alakult. A havi hőmérsékleti anomália az ország túlnyomó részén +0,3 és +2,7 °C között váltakozott. A hónap legmagasabb hőmérsékletét (+16,5 °C) Szentgotthárdon január 21-én regisztrálták, a legalacsonyabb hőmérsékletét (-19,8 °C) Baján 31-én mérték.

A havi csapadékösszeg az ország északnyugati területein a sokévi átlag 50–86 %-a között váltakozott, másutt a csapadékhozam 50–100 %-kal az átlagos érték alatt maradt. A havi maximális csapadékösszeget (46 mm-t) Szokolyáról jelentették, Szendrőlád térségében egyáltalán nem hullott csapadék. A 24 óra alatt hullott legnagyobb csapadékot (16-án, 13,3 mm-t) Békéscsaba jelentette.

A tengerszintre átszámított légnyomás havi értéke 1026,7 és 1027,8 hPa között ingadozott. A tengerszinti légnyomás maximuma (1047,5 hPa) 5-én Nagykanizsán, minimuma (997,7 hPa) 25-én Miskolcon volt.

A havi legerősebb széllökést (34,3 m/s-ot) 23-án Miskolcon regisztrálták, ezt követően január 24-én Miskolcon a maximális szélerősség elérte a 31,7 m/s-ot.

*1993. januárjától a sokévi átlagértékek, az átlagoktól viszonyított eltérések számításához az 1961–90. közötti harminc év adatait használjuk.*



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C

THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Központi Meteorológiai Intézet Éghajlatelemzési és Tájékoztatási Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135—89-38

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September 14, 1999

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

## OBSERVATIONS OF MAIN STATIONS

**1993. január**
**CSAPADÉK (mm)** (0.0 = csapadéknyom)

*PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | 0.0 | . | . | . | 0.0 | 1.1 | 5.9 | . | . | . | 0.0 | . | . | . |
| Szombathely | 0.0 | 0.0 | 0.0 | 0.0 | . | 0.0 | 3.1 | 1.3 | . | . | . | . | . | . | . |
| Győr | . | . | . | . | . | 0.0 | 1.2 | 2.2 | . | . | . | . | . | . | . |
| Pápa | . | . | . | . | . | 0.0 | 0.0 | 4.6 | . | . | . | . | . | . | . |
| Veszprém | 0.0 | . | . | . | . | . | 3.0 | 1.5 | . | . | . | . | . | . | . |
| Keszthely | 0.0 | . | 0.2 | . | . | . | 0.6 | 2.0 | . | . | . | . | . | . | . |
| Siófok | 0.0 | . | . | . | . | . | 1.5 | 2.0 | . | . | . | . | . | . | . |
| Kaposvár | 0.0 | 0.0 | 1.1 | . | . | . | 0.7 | 0.7 | . | . | . | . | . | . | . |
| Zalaegerszeg | . | . | 0.5 | . | . | . | 1.2 | 0.7 | . | . | . | . | . | . | . |
| Szentgotthárd | . | 0.0 | 2.1 | 0.0 | . | 0.0 | 0.0 | 0.0 | . | . | . | . | . | . | . |
| Nagykanizsa | 0.1 | 0.0 | 1.2 | . | . | . | 0.5 | 0.3 | 0.0 | . | . | . | 0.0 | . | . |
| Pécs | 0.0 | 0.4 | 4.8 | . | . | . | 0.6 | 0.2 | . | . | . | . | . | . | . |
| Budapest KMI | . | . | . | . | . | 0.0 | 0.6 | 0.0 | 0.0 | . | . | . | . | . | . |
| Budapest KLFI | . | . | . | . | . | 0.0 | 0.5 | 0.4 | . | 0.5 | 0.0 | . | . | . | . |
| Paks | 0.0 | . | 0.3 | . | . | . | 1.4 | 0.5 | . | . | . | . | . | . | . |
| Baja | 0.0 | 0.2 | 1.9 | . | . | . | 1.4 | 0.7 | . | . | . | . | . | . | . |
| Szeged | 0.0 | . | 1.4 | . | . | . | 1.4 | 0.6 | . | 0.0 | . | . | . | . | . |
| Szolnok | . | . | . | . | . | 0.0 | 0.9 | 0.3 | . | 0.0 | . | . | . | . | . |
| Kékestető | . | . | . | . | . | 0.1 | 1.6 | 0.1 | . | . | . | . | . | . | . |
| Miskolc | . | . | . | . | . | 0.0 | 0.5 | 0.2 | . | . | . | . | . | . | . |
| Nyíregyháza Nap | . | . | . | . | . | . | 3.5 | 0.3 | . | 0.0 | . | . | . | . | . |
| Debrecen | . | . | . | . | . | . | 2.4 | 1.0 | . | 0.5 | . | . | . | . | . |
| Békéscsaba | 0.1 | . | . | . | . | . | 1.7 | 0.7 | . | 0.0 | . | . | . | . | . |

**KÖZÉPHŐMÉRSÉKLET (°C)**

*DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | -5.7 | -10.1 | -10.2 | -7.2 | -5.3 | -5.2 | 0.9 | 3.2 | 2.2 | 0.8 | -0.1 | 3.1 | 6.3 | 5.8 | 6.9 |
| Szombathely | -5.1 | -9.0 | -8.0 | -5.7 | -6.8 | -5.7 | -0.3 | 2.9 | 2.7 | 2.6 | 3.1 | 6.0 | 4.0 | 4.5 | 4.7 |
| Győr | -7.3 | -9.2 | -8.6 | -5.9 | -8.2 | -6.7 | -1.3 | 0.1 | 1.7 | 2.3 | 2.1 | 9.4 | 5.9 | 6.2 | 5.7 |
| Pápa | -7.1 | -9.4 | -8.9 | -5.4 | -7.1 | -4.7 | -1.1 | 0.0 | 2.3 | 3.3 | 6.8 | 9.5 | 6.1 | 8.5 | 6.9 |
| Veszprém | -6.7 | -9.1 | -6.6 | -6.4 | -7.7 | -7.2 | -0.1 | 1.7 | 2.5 | 0.5 | 0.8 | 7.9 | 5.6 | 5.8 | 5.5 |
| Keszthely | -5.7 | -7.9 | -6.9 | -4.8 | -8.2 | -8.6 | -2.9 | 0.8 | 2.6 | -0.8 | 3.6 | 8.7 | 5.3 | 4.1 | 2.5 |
| Siófok | -5.5 | -6.9 | -5.4 | -5.2 | -7.9 | -7.8 | -1.8 | 1.0 | 2.4 | 0.1 | -0.2 | 7.3 | 4.3 | 3.5 | 4.0 |
| Kaposvár | -6.4 | -7.9 | -6.8 | -6.5 | -10.6 | -10.1 | -2.8 | 0.1 | 2.3 | 0.2 | 6.4 | 10.0 | 5.4 | 7.7 | 4.0 |
| Zalaegerszeg | -5.0 | -8.7 | -8.7 | -6.2 | -9.1 | -8.3 | -3.1 | 1.9 | 2.0 | 0.2 | 5.3 | 10.2 | 4.3 | 6.3 | 3.5 |
| Szentgotthárd | -6.2 | -9.3 | -8.0 | -7.6 | -8.7 | -7.3 | -1.1 | 1.7 | 1.6 | 0.9 | 4.5 | 8.0 | 4.5 | 6.0 | 4.4 |
| Nagykanizsa | -5.7 | -8.0 | -7.8 | -7.0 | -12.2 | -11.1 | -3.9 | -1.0 | 1.7 | -0.9 | 5.4 | 9.5 | 5.8 | 6.6 | 2.7 |
| Pécs | -6.6 | -9.1 | -7.3 | -6.8 | -8.2 | -10.0 | -3.4 | -0.6 | 2.1 | -1.8 | 2.8 | 8.0 | 6.2 | 6.5 | 5.9 |
| Budapest KMI | -6.2 | -7.3 | -4.8 | -4.1 | -5.1 | -4.7 | -1.5 | -0.2 | 1.7 | -0.1 | 0.3 | 5.7 | 7.5 | 6.4 | 6.8 |
| Budapest KLFI | -7.2 | -8.3 | -5.4 | -5.2 | -6.4 | -7.2 | -3.5 | -1.6 | -1.6 | -0.9 | -0.4 | 5.1 | 6.4 | 4.9 | 6.0 |
| Paks | -6.1 | -7.8 | -6.2 | -6.9 | -11.9 | -10.6 | -2.9 | -0.1 | 1.0 | -0.8 | 1.9 | 7.6 | 5.7 | 5.7 | 3.1 |
| Baja | -6.6 | -8.7 | -6.9 | -8.0 | -12.9 | -11.6 | -4.5 | -0.6 | 0.6 | -1.7 | 1.2 | 6.0 | 5.0 | 4.7 | 4.2 |
| Szeged | -7.0 | -8.8 | -6.9 | -8.4 | -11.4 | -12.2 | -4.5 | -3.1 | -0.6 | -1.1 | 0.4 | 5.5 | 4.2 | 3.2 | 3.5 |
| Szolnok | -7.5 | -9.0 | -7.2 | -7.7 | -8.1 | -7.1 | -3.4 | -2.5 | -1.1 | -1.5 | 0.8 | 6.8 | 5.6 | 3.7 | 4.5 |
| Kékestető | -13.5 | -15.6 | -11.2 | -9.0 | -4.7 | -4.0 | -2.0 | -3.4 | -3.3 | -2.3 | -0.1 | 2.3 | 1.0 | 2.2 | 0.0 |
| Miskolc | -7.9 | -10.2 | -7.4 | -5.3 | -6.8 | -6.9 | -5.2 | -4.5 | -2.1 | -2.4 | -1.6 | 0.8 | 5.7 | 2.0 | 4.9 |
| Nyíregyháza Nap | -7.9 | -11.2 | -9.6 | -7.1 | -7.6 | -7.3 | -4.7 | -4.0 | -2.6 | -2.9 | 0.7 | 5.7 | 3.5 | 2.4 | 2.9 |
| Debrecen | -10.0 | -9.2 | -4.7 | -4.8 | -9.2 | -8.8 | -4.6 | -4.1 | -2.6 | -2.4 | 0.3 | 5.0 | 3.0 | 1.8 | 2.7 |
| Békéscsaba | -8.1 | -9.0 | -7.7 | -9.0 | -9.7 | -8.7 | -4.3 | -4.2 | -2.1 | -1.4 | 1.4 | 5.4 | 4.2 | 3.2 | 3.7 |

**NAPSÜTÉS (óra)**

*DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 5.9 | 2.1 | 2.7 | 4.7 | 6.8 | 5.0 | 0.0 | 0.0 | 3.8 | 3.4 | 0.1 | 3.4 | 3.4 | 0.8 | 5.8 |
| Szombathely | 4.8 | 0.7 | 0.0 | 3.9 | 4.6 | 4.5 | 0.0 | 0.0 | 0.7 | 5.0 | 2.5 | 0.6 | 0.4 | 3.4 | 4.6 |
| Győr | 0.0 | 2.3 | 0.2 | 6.3 | 5.3 | 3.7 | 0.0 | 0.0 | 4.5 | 2.0 | 2.1 | 3.4 | 3.9 | 1.2 | 5.3 |
| Pápa | 0.0 | 2.0 | 0.0 | 4.4 | 6.8 | 6.1 | 0.0 | 0.0 | 5.3 | 4.5 | 3.1 | 2.8 | 2.3 | 3.5 | 6.0 |
| Veszprém | 0.0 | 2.5 | 0.0 | 5.1 | 6.8 | 5.8 | 0.0 | 1.0 | 5.6 | 3.3 | 0.3 | 1.6 | 1.8 | 5.5 | 5.9 |
| Keszthely | 0.0 | 1.1 | 0.0 | 4.0 | 5.2 | 3.6 | 0.0 | 0.0 | 3.1 | 1.3 | 3.9 | 4.9 | 0.0 | 6.5 | 5.5 |
| Siófok | 0.0 | 2.0 | 0.0 | 5.5 | 5.7 | 3.4 | 0.0 | 0.0 | 5.5 | 3.0 | 0.0 | 3.3 | 0.7 | 6.0 | 5.8 |
| Kaposvár | 0.0 | 0.0 | 0.0 | 4.6 | 3.6 | 5.0 | 0.0 | 0.0 | 4.4 | 2.2 | 3.1 | 6.7 | 0.0 | 6.8 | 6.3 |
| Zalaegerszeg | 4.0 | 1.2 | 0.0 | 3.3 | 6.4 | 5.0 | 0.0 | 0.0 | 0.9 | 3.9 | 1.3 | 0.9 | 0.0 | 4.8 | 4.8 |
| Szentgotthárd | 4.1 | 2.8 | 0.0 | 0.3 | 4.1 | 2.5 | 0.0 | 0.0 | 0.0 | 3.8 | 2.0 | 0.7 | 0.0 | 5.5 | 4.2 |
| Nagykanizsa | 0.0 | 0.8 | 0.0 | 3.7 | 4.2 | 3.3 | 0.0 | 0.0 | 0.9 | 2.0 | 2.5 | 5.8 | 0.0 | 5.7 | 6.0 |
| Pécs | 0.0 | 0.1 | 0.0 | 4.6 | 7.4 | 2.9 | 0.0 | 0.0 | 5.0 | 0.0 | 3.3 | 5.1 | 2.3 | 6.4 | 7.2 |
| Budapest KMI | 5.0 | 4.9 | 0.4 | 6.9 | 7.0 | 6.0 | 0.0 | 0.3 | 5.7 | 0.0 | 0.3 | 5.6 | 6.2 | 5.7 | 6.1 |
| Budapest KLFI | 5.9 | 3.1 | 0.0 | 7.1 | 7.0 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 3.9 | 5.9 | 6.1 | 6.1 |
| Paks | 1.1 | 0.0 | 0.0 | 4.3 | 2.9 | 1.0 | 0.0 | 0.0 | 0.2 | 0.0 | 1.4 | 3.6 | 3.7 | 5.7 | 6.6 |
| Baja | 1.0 | 0.0 | 0.0 | 5.2 | 6.0 | 5.8 | 0.0 | 0.0 | 1.5 | 0.0 | 3.5 | 5.5 | 1.3 | 5.9 | 6.8 |
| Szeged | 1.3 | 0.0 | 0.0 | 7.0 | 4.2 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 4.9 | 2.8 | 4.7 | 6.3 |
| Szolnok | 4.5 | 1.0 | 0.2 | 7.0 | 6.5 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 3.5 | 6.3 | 5.4 | 6.8 |
| Kékestető | 4.5 | 5.5 | 5.0 | 6.8 | 6.7 | 5.6 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 5.3 | 6.6 |
| Miskolc | 6.2 | 5.5 | 6.5 | 6.7 | 6.8 | 5.1 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 2.8 | 7.2 |
| Nyíregyháza Nap | 5.8 | 5.3 | 6.1 | 6.7 | 5.6 | 4.0 | 0.0 | 1.5 | 0.0 | 0.0 | 0.6 | 0.8 | 5.9 | 2.4 | 7.3 |
| Debrecen | 4.1 | 4.6 | 6.1 | 6.9 | 6.6 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 6.0 | 4.8 | 7.0 |
| Békéscsaba | 1.7 | 2.6 | 1.3 | 7.4 | 7.4 | 6.3 | 0.0 | 0.6 | 0.0 | 0.0 | 5.2 | 1.3 | 7.8 | 4.8 | 8.1 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. január

## CSAPADÉK (mm)

*PRECIPITATION (mm)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | . | . | . | . | . | . | 1.2 | 2.2 | 2.5 | . | 1.8 | 7.1 | 9.1 | . | . | 12805 |
| . | . | . | . | . | . | . | . | 0.3 | 1.3 | 0.0 | 2.5 | 0.8 | 0.7 | . | . | 12812 |
| . | . | . | . | . | . | . | 2.8 | 3.5 | 4.3 | 0.5 | 0.4 | 4.8 | 3.9 | . | . | 12822 |
| . | . | . | . | . | . | . | 0.0 | 1.2 | 3.3 | . | 2.0 | 4.2 | 2.4 | . | . | 12825 |
| . | . | . | . | . | . | . | 0.0 | 1.2 | 3.6 | 0.0 | 1.1 | 2.7 | 4.2 | . | . | 12830 |
| . | . | . | . | . | . | . | . | . | 1.1 | 0.0 | 2.5 | 1.1 | 2.2 | . | . | 12920 |
| . | . | . | . | . | . | . | . | 0.0 | 2.0 | . | 0.1 | 3.6 | 4.0 | . | . | 12935 |
| . | . | . | . | . | . | . | . | . | 0.3 | 0.0 | 1.0 | 2.1 | 3.1 | . | . | 12930 |
| . | . | . | . | . | . | . | . | . | 0.5 | 0.0 | 0.3 | 0.0 | 1.9 | . | . | 12915 |
| . | . | . | . | . | . | . | . | . | 0.3 | . | 0.2 | 0.0 | 2.2 | . | . | 12910 |
| . | . | . | . | . | . | . | . | . | 0.6 | . | 0.4 | 0.0 | 1.2 | . | . | 12925 |
| . | . | . | . | . | . | . | . | . | 1.2 | . | 0.8 | 2.4 | 7.1 | . | . | 12942 |
| . | . | . | . | 0.0 | . | 0.0 | 6.3 | 2.0 | 4.2 | 0.0 | 3.0 | 1.3 | 2.8 | . | . | 12840 |
| . | . | . | 0.2 | 0.0 | . | 0.0 | 0.7 | 0.3 | 2.5 | . | 1.2 | 2.0 | 1.6 | . | . | 12843 |
| . | . | . | . | . | . | . | . | . | 0.2 | . | 0.0 | 2.9 | 5.8 | . | . | 12950 |
| . | . | . | . | . | . | . | . | . | 0.9 | . | 0.0 | 3.8 | 3.8 | . | . | 12960 |
| . | . | . | 0.1 | . | . | . | . | 0.0 | 0.4 | . | 0.0 | 1.5 | 4.0 | . | . | 12982 |
| . | 0.0 | 0.1 | 0.0 | 0.0 | . | 0.0 | 0.0 | 0.8 | 2.0 | . | 0.1 | 0.9 | 0.9 | . | . | 12860 |
| . | . | . | . | . | . | . | 3.4 | 0.3 | 3.8 | 4.3 | 2.4 | 0.1 | . | . | . | 12851 |
| . | 0.0 | 0.0 | . | . | . | . | 1.7 | 0.4 | 0.0 | . | 0.5 | . | . | . | . | 12772 |
| . | . | 0.1 | 0.1 | 0.6 | 0.0 | 0.0 | 0.1 | 0.4 | . | 0.0 | 0.8 | . | . | . | . | 12893 |
| . | . | 0.7 | 0.1 | 0.6 | 0.4 | 0.8 | 0.1 | 0.3 | 2.0 | 0.0 | 4.0 | 0.5 | 0.0 | . | . | 12882 |
| . | . | 0.2 | 0.0 | 0.0 | 0.1 | . | 0.2 | 0.0 | 13.3 | . | 0.2 | 1.9 | 0.9 | . | 0.0 | 12992 |

## KÖZÉPHŐMÉRSÉKLET (°C)

*DAILY MEAN TEMPERATURE (°C)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.4 | 5.8 | 4.4 | 4.7 | 7.9 | 9.1 | 7.0 | 9.8 | 10.9 | 6.3 | 2.1 | 1.3 | -1.0 | -1.2 | -6.3 | -11.0 | 12805 |
| 5.4 | 3.3 | 3.2 | 2.6 | 4.5 | 5.8 | 3.7 | 6.1 | 5.8 | 5.5 | 2.9 | 0.4 | -0.9 | -1.3 | -6.9 | -6.6 | 12812 |
| 6.8 | 4.7 | -1.8 | 0.9 | 5.7 | 8.2 | 6.1 | 6.7 | 7.1 | 6.4 | 2.7 | 1.4 | -1.2 | -1.3 | -10.3 | -12.1 | 12822 |
| 7.1 | 3.8 | 0.3 | 3.6 | 5.6 | 7.2 | 5.2 | 6.7 | 7.6 | 6.4 | 2.4 | 0.5 | -1.2 | -0.8 | -8.9 | -8.8 | 12825 |
| 7.4 | 6.7 | 5.7 | 2.7 | 4.8 | 8.1 | 6.1 | 5.9 | 6.7 | 5.6 | 1.7 | -0.4 | -1.9 | -1.8 | -7.6 | -9.3 | 12830 |
| 3.4 | 1.7 | 1.0 | 0.6 | -1.2 | 3.4 | 3.3 | 5.3 | 6.4 | 7.3 | 1.9 | 0.6 | -0.6 | 0.0 | -4.4 | -7.0 | 12920 |
| 3.0 | 2.1 | -2.0 | 0.2 | -0.3 | 3.2 | 2.4 | 5.8 | 6.7 | 5.4 | 1.6 | 0.8 | -0.7 | -0.5 | -5.9 | -8.7 | 12935 |
| 5.5 | 3.7 | 1.9 | 1.1 | 1.2 | 5.0 | 5.2 | 7.0 | 8.5 | 7.6 | 2.2 | 1.1 | -0.7 | -0.6 | -8.1 | -11.8 | 12930 |
| 4.7 | 2.3 | 1.5 | 0.6 | 1.9 | 4.8 | 1.6 | 6.2 | 6.5 | 7.4 | 3.1 | 1.9 | -1.1 | 0.4 | -3.9 | -7.0 | 12915 |
| 5.8 | 4.7 | 3.8 | 2.7 | 3.2 | 6.6 | 4.5 | 5.8 | 6.2 | 5.4 | 1.6 | 0.4 | -0.7 | -0.8 | -4.8 | -5.5 | 12910 |
| 2.9 | 2.0 | 0.6 | -0.1 | 1.1 | 3.3 | 3.0 | 6.4 | 7.7 | 8.0 | 1.3 | 1.6 | 0.4 | 0.5 | -4.1 | -6.2 | 12925 |
| 5.8 | 7.2 | 5.8 | 3.9 | 0.6 | 5.3 | 6.0 | 6.9 | 8.3 | 7.2 | 1.4 | -0.1 | -1.3 | -0.9 | -4.8 | -6.3 | 12942 |
| 6.4 | 6.8 | -0.2 | 1.8 | 3.1 | 9.3 | 7.3 | 9.0 | 8.3 | 7.4 | 2.7 | 0.8 | -1.0 | -0.7 | -3.5 | -5.3 | 12840 |
| 4.3 | 3.3 | -1.4 | -0.9 | 0.7 | 6.7 | 4.9 | 6.4 | 5.8 | 6.6 | 2.5 | 0.2 | -1.2 | -1.7 | -4.6 | -7.5 | 12843 |
| 3.5 | 2.9 | -1.8 | -1.2 | 0.7 | 5.0 | 5.3 | 7.6 | 8.3 | 7.7 | 2.1 | 1.5 | -0.7 | -0.4 | -8.3 | -13.5 | 12950 |
| 3.5 | 3.8 | -1.7 | -1.0 | -0.3 | 3.7 | 4.9 | 7.6 | 7.8 | 7.4 | 1.1 | 0.8 | -1.0 | -1.0 | -9.4 | -12.7 | 12960 |
| 2.4 | 2.9 | -2.0 | -2.2 | -1.2 | 2.8 | 3.8 | 6.5 | 5.7 | 6.4 | 1.5 | -0.1 | -1.9 | -1.6 | -9.0 | -12.1 | 12982 |
| 4.2 | 3.2 | -1.1 | -1.2 | 0.3 | 5.8 | 6.8 | 6.8 | 6.8 | 6.4 | 2.4 | 0.5 | -1.8 | -1.7 | -6.0 | -6.8 | 12860 |
| 3.0 | 6.8 | 6.7 | 0.2 | 1.2 | 2.6 | 4.2 | 2.5 | 1.5 | -0.9 | -5.6 | -6.7 | -8.3 | -7.3 | -9.6 | -6.9 | 12851 |
| -0.2 | -1.7 | -0.4 | -0.7 | -1.4 | 0.0 | 4.1 | 9.5 | 7.2 | 7.0 | 2.0 | -0.2 | -4.8 | -5.0 | -4.5 | -5.3 | 12772 |
| 0.6 | -0.8 | -0.9 | 0.3 | -0.8 | 0.7 | 3.8 | 7.5 | 4.9 | 6.0 | 1.0 | -1.4 | -5.0 | -4.1 | -5.5 | -7.5 | 12893 |
| 0.8 | 1.8 | -1.0 | 0.0 | -0.8 | 1.7 | 3.1 | 5.6 | 4.1 | 5.0 | 1.2 | -0.8 | -5.5 | -2.7 | -5.4 | -9.3 | 12882 |
| 2.6 | 3.5 | -1.8 | -1.1 | -1.1 | 2.0 | 4.4 | 5.6 | 5.8 | 5.6 | 1.7 | -0.5 | -3.1 | -2.4 | -8.6 | -11.2 | 12992 |

## NAPSÜTÉS (óra)

*DURATION OF SUNSHINE (HOURS)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.6 | 7.4 | 7.5 | 4.3 | 3.6 | 3.8 | 0.1 | 1.8 | 0.6 | 5.9 | 4.6 | 1.1 | 0.0 | 0.0 | 8.5 | 6.9 | 12805 |
| 6.1 | 7.2 | 6.6 | 3.3 | 3.5 | 5.7 | 0.1 | 4.2 | 0.0 | 5.1 | 4.8 | 0.7 | 0.0 | 0.0 | 5.7 | 5.2 | 12812 |
| 3.2 | 7.2 | 0.9 | 3.6 | 1.9 | 1.2 | 0.0 | 0.0 | 0.9 | 3.9 | 4.1 | 2.1 | 0.0 | 0.0 | 5.9 | 6.5 | 12822 |
| 5.6 | 6.8 | 4.0 | 2.9 | 3.8 | 4.7 | 0.0 | 0.0 | 0.0 | 4.5 | 4.0 | 0.7 | 1.0 | 0.0 | 3.5 | 7.6 | 12825 |
| 5.9 | 7.8 | 7.3 | 0.4 | 4.3 | 4.2 | 0.9 | 1.4 | 0.0 | 3.2 | 3.3 | 1.8 | 3.8 | 0.0 | 4.5 | 4.4 | 12830 |
| 4.8 | 5.7 | 4.3 | 0.3 | 0.6 | 6.0 | 1.7 | 1.4 | 0.0 | 0.9 | 3.4 | 0.9 | 0.1 | 0.0 | 5.2 | 3.1 | 12920 |
| 4.2 | 6.5 | 0.0 | 0.4 | 0.1 | 4.7 | 2.5 | 1.0 | 0.0 | 0.5 | 3.8 | 1.0 | 1.6 | 0.0 | 4.1 | 0.0 | 12935 |
| 4.5 | 7.1 | 5.8 | 2.7 | 4.4 | 6.7 | 4.1 | 0.1 | 0.1 | 0.4 | 5.4 | 1.1 | 1.3 | 0.0 | 5.0 | 6.7 | 12930 |
| 5.5 | 6.3 | 7.4 | 1.2 | 4.5 | 7.4 | 0.1 | 2.2 | 0.0 | 2.1 | 4.3 | 0.5 | 0.5 | 0.0 | 5.5 | 5.0 | 12915 |
| 6.8 | 7.2 | 7.1 | 1.6 | 5.7 | 7.4 | 0.9 | 5.4 | 0.3 | 2.9 | 5.5 | 2.2 | 1.2 | 0.0 | 3.3 | 4.6 | 12910 |
| 5.4 | 5.9 | 4.8 | 2.9 | 4.1 | 5.7 | 1.2 | 0.0 | 0.0 | 0.9 | 4.9 | 0.5 | 1.5 | 0.0 | 4.3 | 5.7 | 12925 |
| 5.7 | 7.8 | 7.6 | 6.1 | 4.3 | 6.1 | 5.6 | 0.6 | 0.8 | 0.4 | 6.4 | 1.7 | 1.8 | 0.0 | 6.7 | 4.4 | 12942 |
| 2.6 | 6.4 | 0.3 | 0.5 | 1.3 | 1.7 | 1.0 | 0.0 | 0.1 | 3.6 | 6.1 | 2.9 | 3.1 | 0.0 | 7.4 | 7.3 | 12840 |
| 2.9 | 7.4 | 0.0 | 0.0 | 0.2 | 1.6 | 1.0 | 0.1 | 0.0 | 3.0 | 5.6 | 1.8 | 2.3 | 0.0 | 7.3 | 7.3 | 12843 |
| 4.2 | 7.5 | 0.0 | 2.2 | 2.9 | 5.7 | 5.0 | 0.0 | 0.1 | 0.8 | 6.3 | 1.1 | 0.7 | 0.0 | 7.3 | 3.6 | 12950 |
| 5.1 | 7.3 | 0.0 | 4.9 | 0.4 | 6.0 | 3.3 | 0.1 | 0.0 | 0.2 | 5.6 | 1.7 | 1.1 | 0.0 | 7.3 | 6.0 | 12960 |
| 4.6 | 5.7 | 0.0 | 0.0 | 0.0 | 4.3 | 2.4 | 0.0 | 0.1 | 0.0 | 4.9 | 1.6 | 2.6 | 0.0 | 6.7 | 5.0 | 12982 |
| 2.7 | 7.2 | 0.0 | 0.0 | 0.6 | 2.5 | 1.4 | 0.0 | 0.8 | 1.2 | 6.8 | 0.5 | 3.4 | 0.0 | 7.9 | 6.0 | 12860 |
| 1.8 | 7.0 | 7.5 | 3.3 | 1.2 | 2.9 | 0.4 | 2.4 | 1.0 | 3.5 | 4.5 | 0.0 | 2.0 | 0.2 | 6.7 | 7.8 | 12851 |
| 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 3.3 | 0.9 | 5.5 | 5.4 | 0.8 | 7.0 | 0.3 | 6.8 | 7.3 | 12772 |
| 2.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 4.1 | 5.1 | 0.0 | 7.0 | 0.0 | 7.3 | 7.1 | 12893 |
| 2.2 | 6.7 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 | 2.0 | 0.0 | 2.7 | 5.4 | 0.0 | 4.9 | 1.8 | 7.2 | 7.5 | 12882 |
| 4.9 | 7.8 | 3.1 | 0.0 | 0.0 | 0.6 | 1.4 | 0.2 | 1.3 | 0.0 | 7.5 | 0.0 | 0.4 | 0.0 | 8.6 | 7.0 | 12992 |

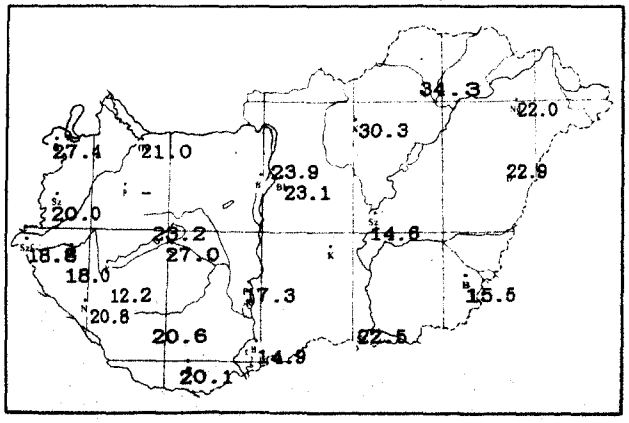
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

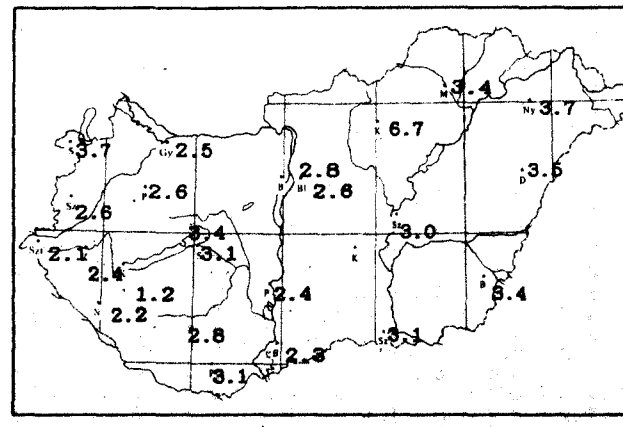
**1993. január**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap – *Clear days* | Borult nap – *Overcast days* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 109 | - | 3 | 9 | 1.3 | - | 15.5 | 24 | -15.2 | 31 | 0 | 0 | 19 | 7 | 5 | 27 |
| Szombathely | 224 | 94 | +31 | 4 | 5 | 0.8 | +2.7 | 14.0 | 16 | -14.9 | 31 | 0 | 0 | 22 | 8 | 5 | 30 |
| Győr | 115 | 82 | +25 | 3 | 5 | 0.5 | +1.6 | 12.8 | 12 | -18.0 | 31 | 0 | 0 | 19 | 9 | 7 | 26 |
| Pápa | 140 | 96 | - | 5 | 6 | 1.2 | - | 13.6 | 21 | -16.0 | 31 | 0 | 0 | 19 | 7 | 5 | 23 |
| Veszprém | 302 | 98 | - | 5 | 5 | 0.9 | - | 14.8 | 16 | -15.0 | 31 | 0 | 0 | 21 | 9 | 5 | 25 |
| Keszthely | 117 | 78 | +18 | 3 | 7 | 0.1 | +1.3 | 15.4 | 12 | -13.2 | 5 | 0 | 0 | 24 | 8 | 4 | 29 |
| Siófok | 108 | 71 | - | 3 | 4 | -0.2 | - | 13.0 | 12 | -13.0 | 31 | 0 | 0 | 22 | 8 | 3 | 25 |
| Kaposvár | 144 | 98 | - | 5 | 4 | 0.4 | - | 15.2 | 14 | -17.1 | 31 | 0 | 0 | 22 | 9 | 4 | 28 |
| Zalaegerszeg | 188 | 89 | - | 4 | 8 | 0.5 | - | 14.1 | 12 | -15.2 | 5 | 0 | 0 | 25 | 7 | 4 | 30 |
| Szentgotthárd | 221 | 92 | - | 6 | 4 | 0.7 | - | 16.5 | 21 | -13.0 | 5 | 0 | 0 | 22 | 8 | 5 | 28 |
| Nagykanizsa | 160 | 83 | - | 5 | 7 | 0.1 | - | 15.3 | 14 | -17.8 | 5 | 0 | 0 | 25 | 7 | 6 | 29 |
| Pécs | 201 | 110 | +42 | 7 | 7 | 0.7 | +2.1 | 13.7 | 12 | -14.4 | 6 | 0 | 0 | 19 | 9 | 5 | 27 |
| Budapest KMI | 120 | 104 | +50 | 4 | 7 | 1.5 | +2.0 | 14.7 | 23 | -9.7 | 2 | 0 | 0 | 19 | 6 | 0 | 18 |
| Budapest KLFI | 140 | 93 | +38 | 4 | 8 | 0.0 | +1.6 | 12.3 | 21 | -13.2 | 6 | 0 | 0 | 22 | 9 | 5 | 28 |
| Paks | 103 | 78 | - | 5 | 9 | -0.3 | - | 13.8 | 21 | -19.7 | 31 | 0 | 0 | 26 | 10 | 6 | 27 |
| Baja | 109 | 92 | - | 4 | 8 | -0.8 | - | 14.0 | 14 | -19.8 | 31 | 0 | 0 | 26 | 11 | 7 | 30 |
| Szeged | 82 | 74 | +12 | 5 | 9 | -1.5 | +0.3 | 12.6 | 13 | -17.3 | 6 | 0 | 0 | 25 | 12 | 7 | 30 |
| Szolnok | 85 | 90 | - | 6 | 8 | -0.3 | - | 13.0 | 21 | -14.0 | 6 | 0 | 0 | 23 | 13 | 6 | 27 |
| Kékestető | 989 | 104 | +19 | 9 | 4 | -2.6 | +2.1 | 9.0 | 18 | -18.3 | 2 | 0 | 0 | 26 | 15 | 7 | 25 |
| Miskolc | 233 | 93 | +52 | 8 | 11 | -1.3 | +2.0 | 14.5 | 23 | -14.0 | 2 | 0 | 0 | 26 | 15 | 6 | 26 |
| Nyíregyháza N | 150 | 87 | - | 7 | 11 | -1.6 | - | 10.9 | 23 | -14.4 | 2 | 0 | 0 | 26 | 15 | 6 | 28 |
| Debrecen | 114 | 95 | +40 | 8 | 11 | -1.6 | +1.0 | 11.5 | 23 | -15.6 | 5 | 0 | 0 | 27 | 13 | 6 | 28 |
| Békéscsaba | 84 | 97 | - | 7 | 10 | -1.4 | - | 10.0 | 24 | -16.7 | 31 | 0 | 0 | 24 | 14 | 8 | 27 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



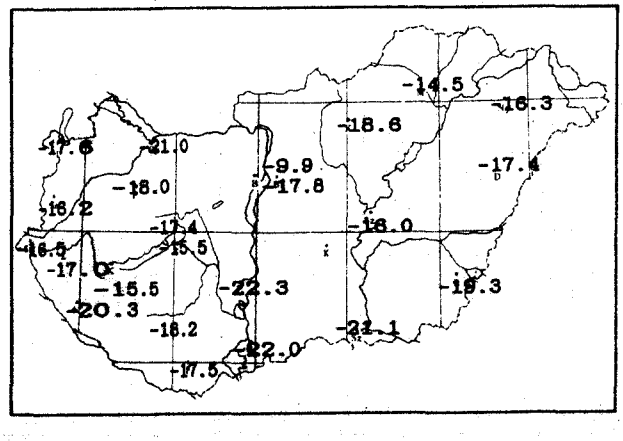
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

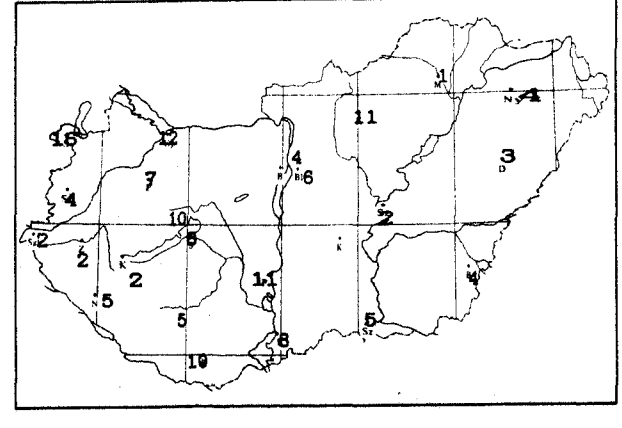
**1993. január**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma *number of days* | | | | | | | | | napok száma *number of days* | | | | | | | | |
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ≤ 2 m/s | maximum ≥ 10 m/s | maximum ≥ 15 m/s | maximum ≥ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ≥ 0,1 mm | ≥ 1,0 mm | ≥ 5,0 mm | ≥ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ≤ 1000 m – *visibility* ≤ 1000 m |
| 5.4 | 76 | 43 | 25 | 0 | 19 | 12 | 8 | 31 | -3 | 91 | 9.1 | 29 | 8 | 8 | 3 | 0 | 1 | 0 | 4 | 4 | 5 |
| 5.3 | 78 | 38 | 25 | 0 | 9 | 3 | 1 | 10 | -19 | 34 | 3.1 | 7 | 7 | 4 | 0 | 0 | 1 | 0 | 4 | 4 | 4 |
| 5.1 | 76 | 45 | 4 | 2 | 10 | 5 | 1 | 24 | -7 | 77 | 4.8 | 28 | 9 | 7 | 0 | 0 | 0 | 0 | 4 | 5 | 8 |
| 5.2 | 74 | 51 | 13 | 2 | 10 | 5 | 1 | 18 | -16 | 53 | 4.6 | 8 | 6 | 6 | 0 | 0 | 0 | 0 | 4 | 4 | 5 |
| 5.2 | 75 | 46 | 21 | 1 | 17 | 7 | 3 | 17 | -21 | 45 | 4.2 | 29 | 7 | 7 | 0 | 0 | 0 | 0 | 4 | 4 | 8 |
| 5.4 | 83 | 49 | 26 | 7 | 5 | 0 | 0 | 10 | -24 | 29 | 2.5 | 27 | 7 | 5 | 0 | 0 | 0 | 0 | 5 | 4 | 8 |
| 5.0 | 79 | 48 | 25 | 0 | 19 | 7 | 2 | 13 | -23 | 36 | 4.0 | 29 | 6 | 5 | 0 | 0 | 0 | 0 | 4 | 4 | 7 |
| 5.1 | 76 | 39 | 22 | 0 | 12 | 7 | 1 | 9 | -35 | 20 | 3.1 | 29 | 7 | 4 | 0 | 0 | 0 | 0 | 4 | 5 | 6 |
| 5.2 | 77 | 34 | 26 | 0 | 8 | 3 | 0 | 5 | -29 | 15 | 1.9 | 29 | 6 | 2 | 0 | 0 | 0 | 0 | 4 | 2 | 1 |
| 4.8 | 72 | 32 | 26 | 0 | 10 | 2 | 0 | 5 | -30 | 14 | 2.2 | 29 | 4 | 2 | 0 | 0 | 0 | 0 | 3 | 6 | 0 |
| 5.2 | 81 | 36 | 26 | 1 | 9 | 4 | 2 | 4 | -36 | 10 | 1.2 | 29 | 7 | 2 | 0 | 0 | 0 | 1 | 4 | 5 | 9 |
| 5.2 | 76 | 37 | 15 | 1 | 15 | 6 | 1 | 18 | -21 | 46 | 7.1 | 29 | 8 | 4 | 1 | 0 | 0 | 0 | 5 | 5 | 5 |
| 4.9 | 69 | 39 | 4 | 0 | 17 | 7 | 2 | 20 | -20 | 50 | 6.3 | 23 | 7 | 6 | 1 | 0 | 0 | 0 | 3 | 3 | 7 |
| 4.8 | 75 | 37 | 25 | 0 | 14 | 5 | 1 | 10 | -22 | 31 | 2.5 | 25 | 10 | 4 | 0 | 0 | 0 | 0 | 4 | 3 | 9 |
| 4.9 | 77 | 34 | 22 | 0 | 9 | 2 | 0 | 11 | -24 | 31 | 5.8 | 29 | 6 | 3 | 1 | 0 | 0 | 0 | 3 | 3 | 9 |
| 4.9 | 81 | 36 | 22 | 0 | 7 | 0 | 0 | 13 | -23 | 36 | 3.8 | 29 | 7 | 4 | 0 | 0 | 0 | 0 | 4 | 8 | 12 |
| 5.0 | 85 | 57 | 15 | 0 | 11 | 4 | 2 | 9 | -20 | 31 | 4.0 | 29 | 7 | 4 | 0 | 0 | 0 | 0 | 5 | 10 | 10 |
| 4.9 | 78 | 41 | 13 | 1 | 7 | 0 | 0 | 6 | -25 | 19 | 2.0 | 25 | 8 | 1 | 0 | 0 | 0 | 0 | 6 | 2 | 8 |
| 3.9 | 71 | 15 | 5 | 0 | 29 | 24 | 10 | 16 | -33 | 33 | 4.3 | 26 | 9 | 5 | 0 | 0 | 0 | 0 | 9 | 18 | 14 |
| 4.5 | 77 | 41 | 23 | 0 | 13 | 9 | 4 | 3 | -24 | 11 | 1.7 | 23 | 5 | 1 | 0 | 0 | 0 | 0 | 3 | 5 | 13 |
| 4.8 | 81 | 35 | 23 | 0 | 11 | 6 | 2 | 6 | – | – | 3.5 | 7 | 8 | 1 | 0 | 0 | 0 | 0 | 3 | 13 | 9 |
| 4.9 | 85 | 44 | 4 | 0 | 18 | 6 | 2 | 13 | -24 | 35 | 4.0 | 27 | 13 | 4 | 0 | 0 | 0 | 0 | 6 | 8 | 9 |
| 5.0 | 85 | 51 | 4 | 0 | 10 | 2 | 0 | 19 | -17 | 53 | 13.3 | 25 | 10 | 3 | 1 | 1 | 0 | 0 | 6 | 6 | 10 |

ABSZOLÚT RADIÁCIÓS MINIMUM (°C)
*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA
*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

**1993. január**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | Csapadék (mm) — *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum — *date* | abszolút minimum *absolute minimum* | dátum — *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum — *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum — *date* |
| Kapuvár Hövej | 83 | 0.2 | 15.2 | 21 | -19.8 | 31 | -21.0 | 31 | 24 | -11 | 69 | 5.2 | 24 |
| Mosonmagyaróvár | 79 | 0.1 | 13.0 | 24 | -17.0 | 31 | -18.1 | 31 | 24 | -11 | 69 | 6.3 | 29 |
| Rajka | - | 0.3 | 15.5 | 24 | -14.7 | 31 | -15.3 | 31 | 31 | -7 | 82 | 8.4 | 29 |
| Sopronhorpács | 98 | 0.7 | 14.5 | 16 | -14.5 | 31 | -15.2 | 30 | 18 | -14 | 56 | 4.1 | 29 |
| Káld | - | 1.4 | 12.7 | 12 | -13.0 | 31 | -15.4 | 31 | 14 | -23 | 38 | 4.4 | 8 |
| Kormend | - | 1.4 | 15.2 | 16 | -12.0 | 31 | -14.0 | 31 | 7 | -28 | 20 | 2.5 | 29 |
| Lenti | - | 0.3 | 14.7 | 12 | -16.5 | 5 | -16.8 | 6 | 4 | -36 | 10 | 1.4 | 25 |
| Letenye | - | 1.2 | 15.5 | 14 | -16.8 | 6 | -17.0 | 6 | 3 | -36 | 8 | 2.2 | 3 |
| Hárskút | 86 | 0.7 | 13.0 | 17 | -14.5 | 2 | -17.8 | 31 | 20 | - | - | 4.0 | 27 |
| Farkasgyepű | - | 1.2 | 15.6 | 17 | -11.3 | 2 | -14.5 | 6 | 15 | -32 | 32 | 6.5 | 27 |
| Mencshely | 90 | 0.3 | 13.2 | 21 | -12.0 | 2 | -17.0 | 31 | 16 | -26 | 38 | 4.2 | 29 |
| Sömeg | - | 1.5 | 14.4 | 21 | -11.9 | 5 | -13.8 | 5 | 12 | -27 | 31 | 3.0 | 27 |
| Tihany | - | 1.2 | 12.0 | 12 | -11.6 | 6 | -15.1 | 31 | 15 | -19 | 44 | 5.5 | 29 |
| Zirc | - | 0.9 | 13.5 | 17 | -18.2 | 31 | -21.2 | 31 | 26 | -24 | 52 | 5.8 | 29 |
| Fonyód | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Homokszentgyörgy | 79 | 0.0 | 14.7 | 14 | -19.0 | 6 | -21.0 | 6 | 15 | -32 | 32 | 5.0 | 3 |
| Marcali | - | 1.6 | 15.3 | 14 | -13.0 | 6 | -14.0 | 31 | 23 | -22 | 51 | 5.2 | 29 |
| Somogyszob | - | 0.7 | 14.9 | 14 | -19.1 | 6 | -19.2 | 5 | 7 | -32 | 18 | 2.9 | 3 |
| Tab | - | 1.1 | 13.2 | 12 | -14.8 | 31 | -16.0 | 31 | 8 | -31 | 21 | 2.7 | 29 |
| Bábolna | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Esztergom kertváros | - | 0.2 | 15.0 | 25 | -18.4 | 31 | -19.1 | 5 | 22 | -13 | 63 | 4.0 | 24 |
| Kisbér | - | 0.6 | 15.5 | 16 | -18.0 | 31 | -22.0 | 31 | 33 | -5 | 87 | 6.0 | 25 |
| Komárom | - | 0.6 | 12.0 | 17 | -12.8 | 31 | -14.1 | 31 | 26 | -12 | 68 | 8.1 | 23 |
| Tata | - | 0.1 | 11.5 | 12 | -19.5 | 31 | -20.0 | 31 | 28 | - | - | 6.0 | 8 |
| Alcsútdoboz | - | -0.4 | 14.7 | 16 | -19.5 | 31 | -19.5 | 31 | 21 | -16 | 57 | 4.7 | 25 |
| Dunaújváros Kisapostag | - | -0.2 | 12.2 | 17 | -15.8 | 31 | -18.0 | 31 | 15 | -19 | 44 | 5.1 | 29 |
| Martonvásár | - | -0.4 | 12.0 | 21 | -17.0 | 31 | -17.0 | 31 | 21 | -11 | 66 | 6.5 | 25 |
| Mór | - | 0.6 | 13.6 | 16 | -16.0 | 31 | -19.0 | 31 | 19 | -20 | 49 | 4.4 | 28 |
| Sárbogárd | - | 0.2 | 12.2 | 21 | -14.5 | 5 | -15.0 | 31 | 13 | -21 | 38 | 5.0 | 29 |
| Székesfehérvár | - | -0.3 | 13.5 | 21 | -16.5 | 5 | -18.5 | 5 | 21 | -10 | 68 | 5.7 | 29 |
| Iregszemcse | 84 | 0.3 | 13.6 | 14 | -16.0 | 31 | -18.0 | 31 | 12 | -24 | 33 | 5.2 | 29 |
| Lengyel | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nagykónyi | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Szekszárd | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Pécs Árpádtető | - | 1.5 | 14.6 | 16 | -12.2 | 2 | -13.8 | 2 | 22 | -26 | 46 | 7.4 | 29 |
| Mohács | - | -0.1 | 12.8 | 14 | -19.3 | 6 | -19.5 | 6 | 13 | -25 | 34 | 4.7 | 29 |
| Siklós | - | 1.1 | 14.5 | 25 | -16.2 | 6 | -19.1 | 30 | 22 | -24 | 48 | 7.1 | 29 |
| Szigetvár | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bácsalmás | - | 0.2 | 12.0 | 21 | -17.2 | 31 | -17.8 | 31 | 8 | -31 | 21 | 3.2 | 28 |
| Izsák | - | 0.3 | 12.5 | 12 | -17.0 | 31 | -19.0 | 30 | 15 | -14 | 52 | 6.0 | 25 |
| Kalocsa | 75 | -0.8 | 12.4 | 12 | -17.4 | 31 | -21.0 | 5 | 10 | -22 | 31 | 4.6 | 29 |
| Kecskemét Obszervatórium | 80 | -0.5 | 13.3 | 16 | -15.2 | 31 | -20.2 | 31 | 18 | -10 | 64 | 11.4 | 25 |
| Kiskunfélegyháza | - | 0.4 | 13.0 | 17 | -14.5 | 31 | -15.5 | 31 | 14 | -18 | 44 | 7.5 | 25 |
| Kiskunhalas | - | -0.5 | 13.8 | 22 | -18.4 | 5 | -19.6 | 31 | 13 | -26 | 33 | 5.5 | 29 |
| Kunszentmiklós | - | 0.0 | 12.0 | 16 | -16.0 | 31 | -17.5 | 31 | 23 | -13 | 64 | 9.9 | 25 |
| Tiszakécske | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Balassagyarmat | - | -1.2 | 12.6 | 24 | -17.0 | 31 | -17.2 | 6 | 22 | -18 | 55 | 5.8 | 7 |
| Romhány | - | -1.1 | 12.0 | 25 | -17.5 | 31 | -19.0 | 31 | 19 | -19 | 50 | 3.9 | 7 |
| Salgótarján | - | - | - | - | - | - | - | - | - | - | - | - | - |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

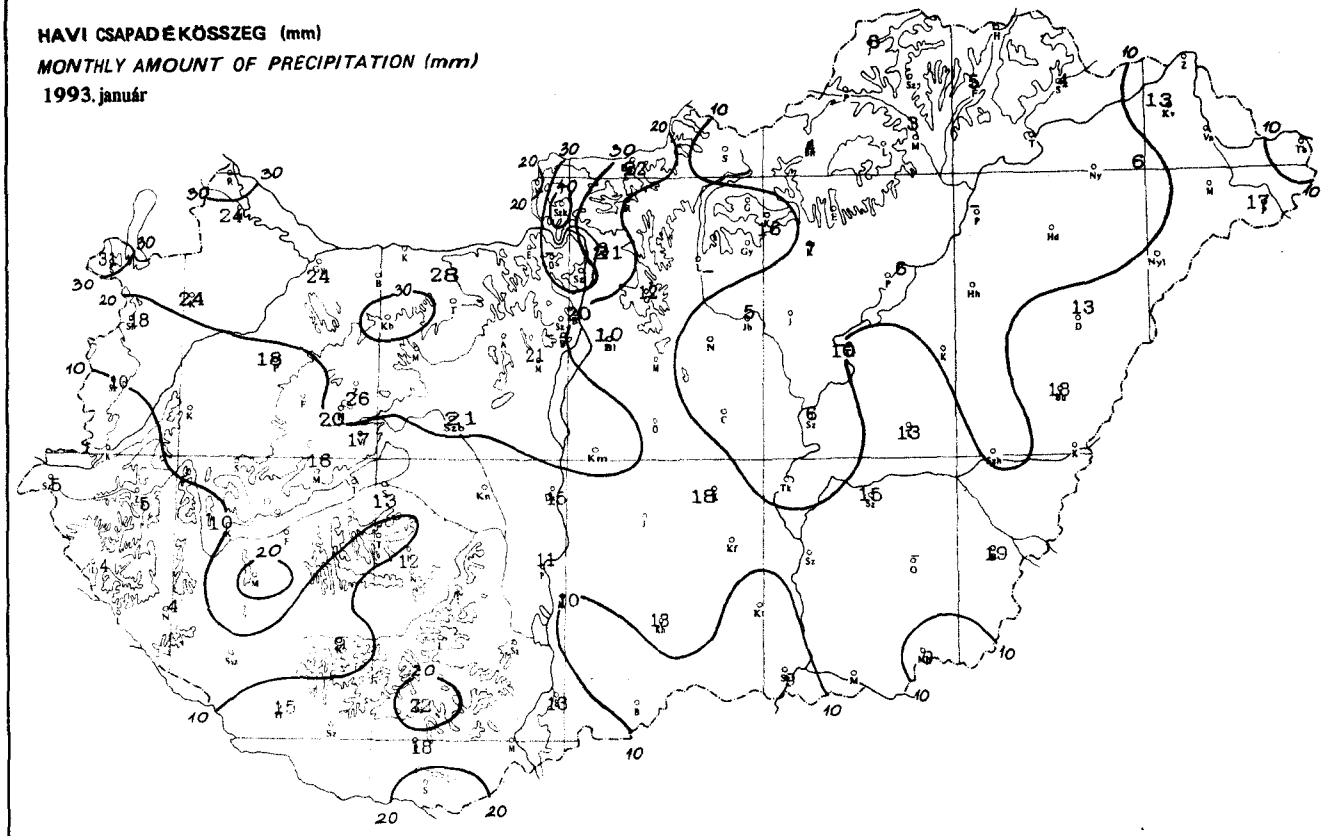
**1993. január**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | Csapadék (mm) — *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum — *date* | abszolút minimum *absolute minimum* | dátum — *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum — *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum — *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Cegléd | – | 0.6 | 14.5 | 17 | -14.2 | 5 | -16.1 | 5 | 9 | -22 | 29 | 3.0 | 25 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 76 | -0.3 | 12.9 | 23 | -12.7 | 2 | -16.8 | 5 | 12 | -26 | 32 | 3.0 | 28 |
| Szokolya Királyrét | – | -0.7 | 13.3 | 23 | -15.6 | 5 | -18.8 | 5 | 46 | -7 | 87 | 12.1 | 23 |
| Monor | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykáta | – | -0.3 | 12.4 | 21 | -14.6 | 5 | -15.0 | 5 | 10 | -27 | 27 | 2.8 | 26 |
| Orkény | – | 0.2 | 13.8 | 16 | -18.0 | 31 | -18.5 | 31 | 18 | -15 | 55 | 7.6 | 25 |
| Szentendre | – | 0.6 | 15.5 | 23 | -13.0 | 6 | -14.5 | 6 | 31 | -13 | 70 | 7.0 | 23 |
| Vác | – | -0.5 | 14.7 | 25 | -15.0 | 5 | -18.0 | 5 | 21 | -15 | 58 | 4.1 | 24 |
| Vámosmikola | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Eger | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | -0.5 | 13.5 | 23 | -14.7 | 6 | -16.5 | 6 | 12 | -19 | 39 | 2.8 | 23 |
| Kompolt | 82 | -0.9 | 11.8 | 23 | -13.4 | 6 | -16.9 | 6 | 7 | -28 | 20 | 2.7 | 23 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | -0.6 | 11.2 | 23 | -15.2 | 5 | -17.5 | 6 | 6 | -34 | 15 | 2.6 | 6 |
| Jászapáti | – | 0.0 | 11.2 | 21 | -13.0 | 5 | -15.0 | 6 | 4 | -29 | 12 | 1.3 | 28 |
| Jászberény | – | -0.4 | 11.7 | 21 | -14.6 | 5 | -16.0 | 5 | 5 | -26 | 16 | 1.4 | 29 |
| Karcag | – | -1.0 | 10.7 | 21 | -15.3 | 6 | -16.0 | 6 | 7 | -27 | 21 | 3.1 | 28 |
| Tiszaroff | – | -1.1 | 11.4 | 13 | -15.0 | 31 | -16.0 | 31 | 10 | -21 | 32 | 3.5 | 28 |
| Törkeve | 72 | -0.8 | 11.8 | 13 | -14.1 | 5 | -17.7 | 5 | 13 | -23 | 36 | 3.9 | 25 |
| Kistelek | – | 0.4 | 14.2 | 22 | -15.7 | 31 | -18.2 | 31 | 9 | -25 | 26 | 3.8 | 29 |
| Makó | – | -0.3 | 10.8 | 15 | -14.8 | 31 | -18.7 | 31 | 11 | -24 | 31 | 3.1 | 29 |
| Szentes | – | 0.0 | 12.0 | 22 | -14.0 | 31 | -16.5 | 31 | 19 | -13 | 59 | 12.5 | 25 |
| Borsodnádasd | – | -2.3 | 13.5 | 23 | -17.2 | 5 | -20.7 | 5 | 4 | -29 | 12 | 2.1 | 7 |
| Fugód | – | -2.8 | 11.2 | 23 | -17.0 | 6 | -18.6 | 6 | 5 | -25 | 17 | 1.2 | 27 |
| Hidasnémeti | – | -2.3 | 11.5 | 25 | -17.5 | 6 | -18.5 | 5 | 7 | -25 | 22 | 2.5 | 7 |
| Jósvafő | 86 | -2.0 | 10.2 | 23 | -14.0 | 2 | -17.2 | 2 | 6 | -26 | 19 | 2.0 | 21 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 85 | -2.1 | 11.2 | 23 | -14.5 | 6 | -17.5 | 31 | 4 | -30 | 12 | 1.2 | 20 |
| Szendrőlád | – | -2.2 | 13.0 | 23 | -17.7 | 6 | -18.3 | 5 | 0 | -31 | 0 | 0.2 | 27 |
| Tokaj | – | -0.9 | 12.5 | 23 | -13.3 | 6 | -16.0 | 5 | 7 | -30 | 19 | 2.8 | 7 |
| Kisvárda | 75 | -2.0 | 11.0 | 25 | -17.0 | 5 | -18.5 | 5 | 13 | -24 | 35 | 6.5 | 7 |
| Mátészalka | – | -1.4 | 10.0 | 25 | -14.5 | 1 | -15.8 | 5 | 11 | -28 | 28 | 7.1 | 7 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | -3.7 | 9.0 | 18 | -16.8 | 2 | -17.9 | 31 | 17 | -28 | 38 | 6.7 | 7 |
| Tiszabecs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vásárosnamény | – | -1.6 | 10.5 | 25 | -15.8 | 1 | -16.5 | 1 | 13 | -26 | 33 | 6.4 | 7 |
| Záhony | – | -1.5 | 11.0 | 25 | -16.0 | 5 | -16.4 | 5 | 14 | -27 | 34 | 5.4 | 7 |
| Berettyóújfalu | – | -1.2 | 9.8 | 13 | -16.5 | 31 | -18.5 | 31 | 13 | -24 | 35 | 4.3 | 28 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | -1.6 | 10.3 | 13 | -15.5 | 5 | -16.3 | 5 | 3 | -30 | 9 | 1.3 | 27 |
| Körösszakál | – | -1.2 | 10.2 | 17 | -17.7 | 31 | -18.2 | 31 | 12 | -28 | 30 | 3.4 | 24 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | -0.8 | 10.0 | 13 | -13.8 | 31 | -14.2 | 31 | 9 | -25 | 26 | 2.0 | 8 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 96 | -1.0 | 11.6 | 21 | -14.6 | 5 | -17.8 | 5 | 15 | -14 | 52 | 8.7 | 25 |
| Szeghalom | – | -0.8 | 10.7 | 24 | -14.7 | 5 | -15.5 | 31 | 9 | -25 | 26 | 2.7 | 28 |

**HAVI CSAPADÉKÖSSZEG (mm)**

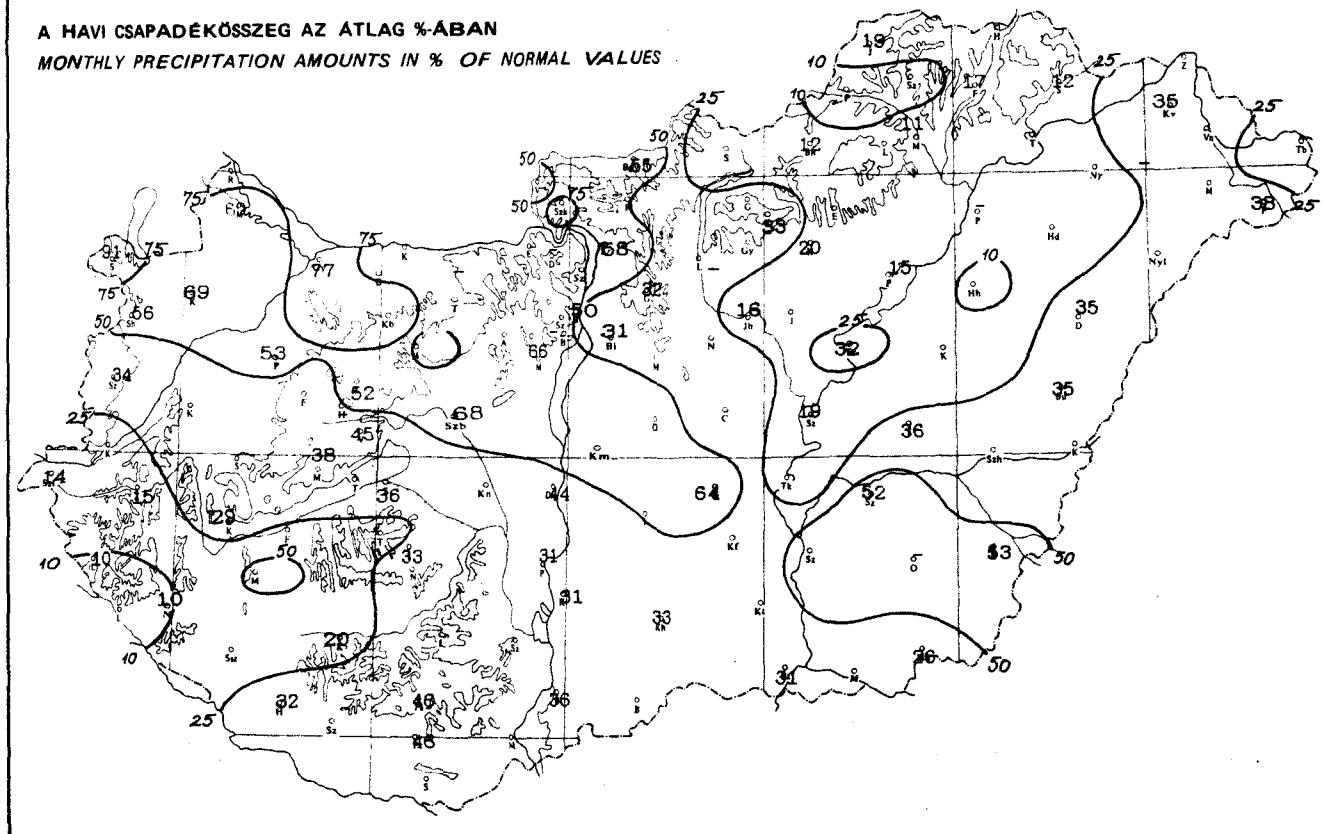
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993. január**



**A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN**

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Központi Meteorológiai Intézet Éghajlatkutató és Tájékoztató Osztálya * Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Nyomdája * Felelős vezető: Szinok István * Munkaszám: 93.112

HU ISSN 0133 – 1582

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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1992. CXXII. évf. 13. szám

Magyarország területén az 1992. esztendőben az átlagosnál melegebb, napfényben gazdagabb, csapadékban viszont szegényebb volt az időjárás.

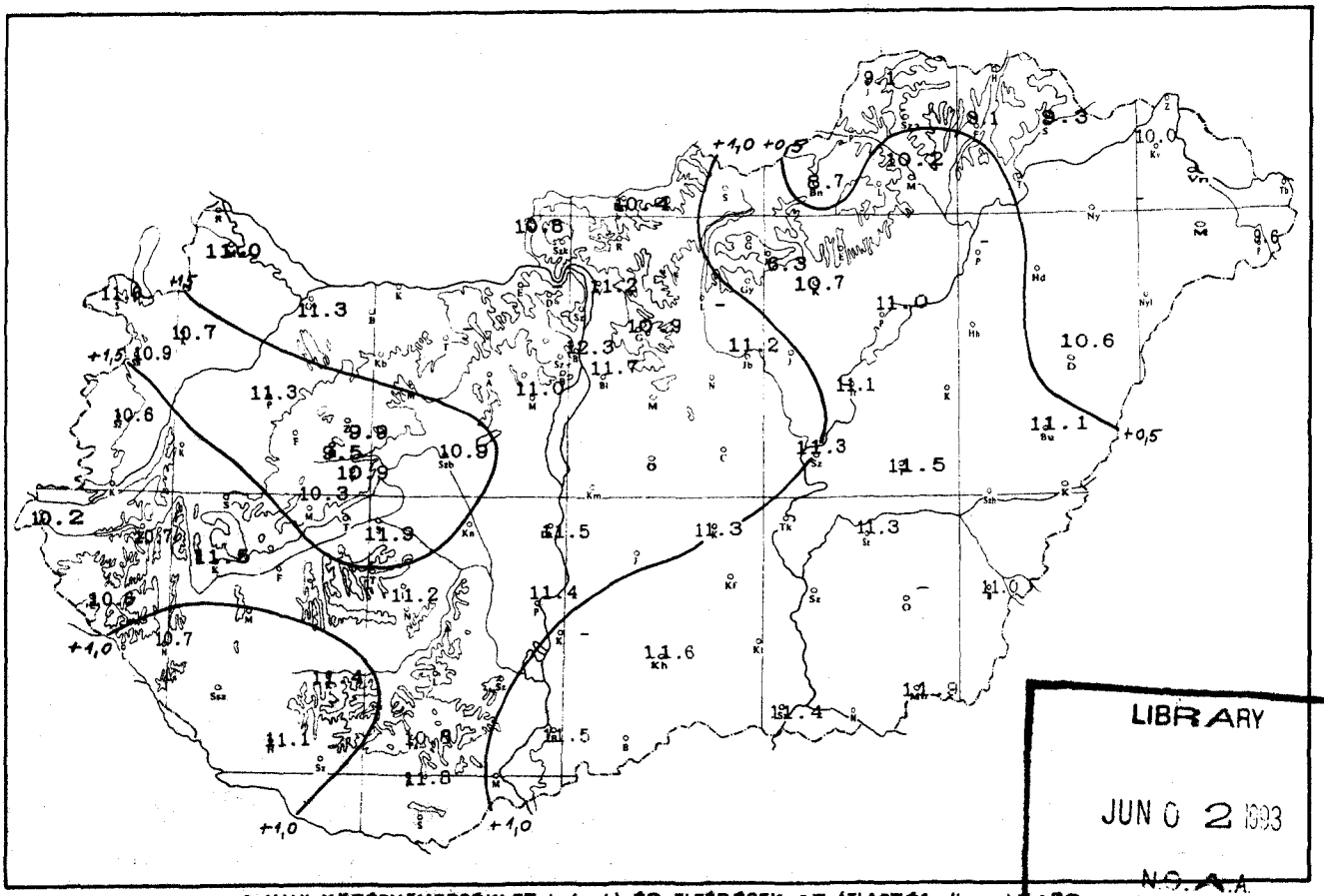
A napfénytartam évi összege 1900 és 2300 óra között váltakozott, ami a sokévi átlag 95–115 %-át érte el. A legtöbb napsütést (2269 óra) Pakson, a legkevesebbet (1910 óra) Veszprémben regisztrálták. Budapest belterületén a napfénytartam évi összege 2096 óra volt, ami 39 órával haladta meg a sokévi átlagot.

Az évi középhőmérséklet a síkvidéki állásokon 10 és 12 °C között alakult, az évi hőmérsékleti anomália +0,3 és +1,7 °C között változott. Az évi abszolút maximumhőmérséklet (+39,5 °C) Esztergomban augusztus 20-án fordult elő, az abszolút minimumhőmérsékletet (-17,5 °C) december 26-án Putnokon mérték. Ebben az esztendőben a legerősebb talajmenti fagyot (-22,0 °C) Romhány térségében január 1-én észlelték. Budapest belterületén az évi középhőmérséklet 12,3 °C volt, ami 1,1 °C-kal magasabb a sokévi átlagnál.

A csapadék évi mennyisége az ország túlnyomó részén az átlag alatt maradt, csupán Baranyában mértek az átlagosnál több csapadékot. Az évi maximális csapadékösszeget (712 mm) Sümegen, az évi legalacsonyabb csapadékmennyiséget (289 mm) Tiszakécskén mérték. Budapest belterületén az 1992. esztendőben összesen 363 mm csapadék hullott, ami a sokévi átlagnál 267 mm-rel kevesebb.

A maximális hóvastagságot (29 cm) január 1-én Kékestetőn jegyezték fel.

1992-ben a legerősebb széllökést (37 m/s) január 17-én Kékestetőn regisztrálták.



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak)
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES)

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További információk:
Központi Meteorológiai Intézet Éghajlatkutató és Tájékoztató Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.:38. Telefon/Telefax: 135—89-35

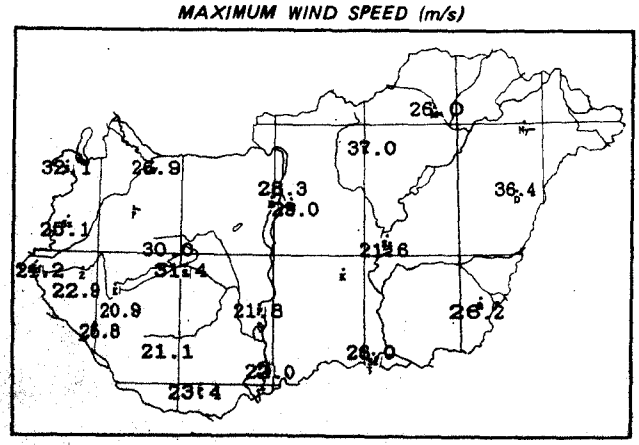
# ÉGHAJLATI FŐÁLLOMÁSOK ÉVI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

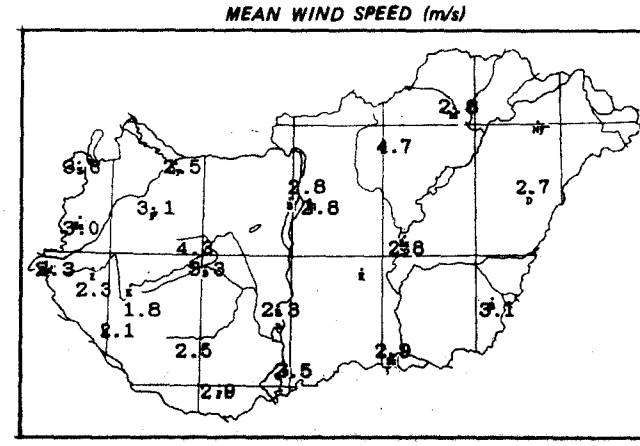
**1992.**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | évi összeg (óra) *annual amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | évi közép *annual mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ∧ 30°C | nyári nap max. ∧ 25°C | fagyos nap min. ∨ 0°C | téli nap max. ∨ 0°C | zord nap min. ∨ -10°C | radiációs min. ∨ 0°C |
| Sopron | 233 | 2122 | +190 | 56 | 101 | 11.0 | +1.6 | 38.4 | 8.19. | -10.4 | 12.29. | 33 | 83 | 76 | 13 | 1 | 115 |
| Szombathely | 224 | 1937 | -5 | 65 | 90 | 10.6 | +1.4 | 37.4 | 8.28. | -12.8 | 12.30. | 32 | 84 | 94 | 11 | 2 | 133 |
| Győr | 115 | 2137 | +120 | 77 | 85 | 11.3 | +1.3 | 37.6 | 8.28. | -12.8 | 12.27. | 28 | 92 | 78 | 11 | 5 | 110 |
| Pápa | 140 | 2078 | +23 | 65 | 96 | 11.3 | +1.7 | 36.5 | 8.20. | -11.7 | 12.29. | 30 | 86 | 81 | 12 | 3 | 102 |
| Veszprém | 302 | 1910 | - | 59 | 101 | 10.9 | — | 36.0 | 8.28. | -11.6 | 12.27. | 28 | 74 | 76 | 18 | 3 | 103 |
| Keszthely | 117 | 2164 | +96 | 75 | 94 | 11.5 | +1.4 | 36.6 | 8.20. | -11.2 | 12.30. | 33 | 87 | 73 | 12 | 1 | 105 |
| Siófok | 108 | 2189 | +81 | 90 | 83 | 11.9 | +1.6 | 36.2 | 8. 9. | -10.0 | 12.31. | 29 | 83 | 61 | 14 | 1 | 81 |
| Kaposvár | 144 | 2196 | - | 78 | 88 | 11.4 | +0.9 | 38.0 | 8.21. | -11.5 | 12.29. | 34 | 96 | 85 | 14 | 3 | 105 |
| Zalaegerszeg | 188 | 2037 | - | 76 | 103 | 10.7 | +1.3 | 36.5 | 8.20. | -12.7 | 12.30. | 30 | 84 | 102 | 12 | 4 | 112 |
| Szentgotthárd | 221 | 1987 | +107 | 96 | 73 | 10.2 | +1.3 | 36.0 | 8.20. | -12.6 | 12.30. | 27 | 76 | 103 | 19 | 3 | 134 |
| Nagykanizsa | 160 | 2107 | +275 | 79 | 81 | 10.7 | +0.9 | 36.9 | 8.21. | -12.5 | 12.30. | 30 | 91 | 98 | 11 | 3 | 125 |
| Pécs | 201 | 2251 | +155 | 89 | 98 | 11.8 | +1.4 | 36.7 | 8.28. | -11.4 | 12.31. | 30 | 98 | 62 | 18 | 2 | 97 |
| Budapest KMI | 120 | 2096 | +39 | 64 | 88 | 12.3 | +1.1 | 36.5 | 8.29. | -9.6 | 12.26. | 39 | 94 | 43 | 12 | 0 | 21 |
| Budapest KLFI | 140 | 2176 | +102 | 62 | 86 | 11.7 | +1.3 | 36.7 | 8.29. | -11.7 | 12.25. | 39 | 95 | 73 | 15 | 3 | 110 |
| Paks | 103 | 2269 | +199 | 91 | 80 | 11.4 | — | 37.5 | 8.29. | -15.3 | 12.30. | 42 | 114 | 99 | 14 | 5 | 131 |
| Baja | 109 | 2199 | +63 | 87 | 78 | 11.5 | +0.7 | 37.4 | 8.28. | -13.5 | 12.29. | 40 | 112 | 90 | 19 | 4 | 123 |
| Szeged | 82 | 2085 | -100 | 76 | 88 | 11.4 | +0.7 | 37.5 | 8.28. | -12.6 | 12.29. | 41 | 114 | 92 | 18 | 5 | 112 |
| Szolnok | 85 | 2216 | +90 | 63 | 79 | 11.3 | +1.0 | 37.8 | 8.21. | -12.6 | 12.30. | 43 | 101 | 91 | 21 | 9 | 118 |
| Kékestető | 989 | 2261 | +178 | 78 | 67 | 6.3 | +0.9 | 29.6 | 8.28. | -14.0 | 1.21. | 0 | 18 | 146 | 59 | 7 | 153 |
| Miskolc | 233 | 2087 | +136 | 76 | 92 | 10.2 | — | 36.2 | 8.21. | -13.0 | 12.27. | 27 | 77 | 98 | 31 | 7 | 115 |
| Nyíregyháza N | 150 | | | | | | | | | | | | | | | | |
| Debrecen | 114 | 2057 | -36 | 62 | 91 | 10.6 | +0.3 | 38.2 | 8.30. | -16.4 | 1. 4. | 40 | 97 | 105 | 27 | 12 | 127 |
| Békéscsaba | 84 | 2266 | +205 | 68 | 88 | 11.0 | +0.7 | 36.8 | 8.21. | -16.8 | 1. 4. | 38 | 104 | 96 | 25 | 13 | 124 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



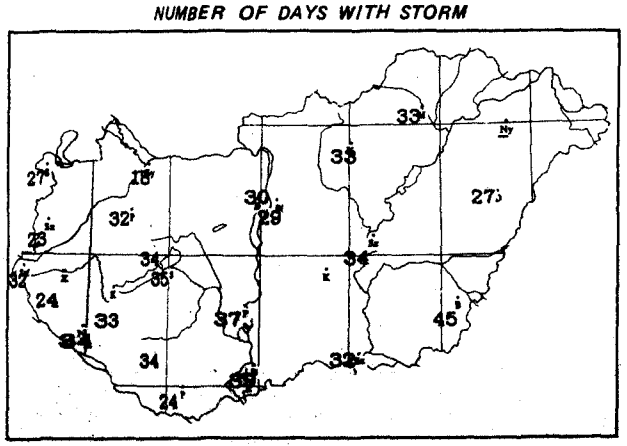
# ÉGHAJLATI FŐÁLLOMÁSOK ÉVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

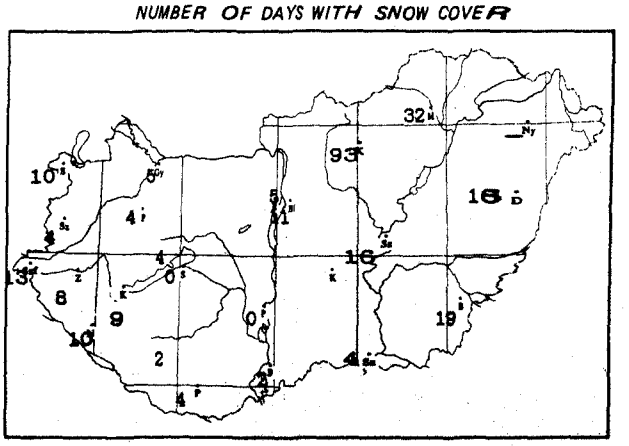
**1992.**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma *number of days* | | | | | | | | | napok száma *number of days* | | | | | | | |
| páranyomás (hPa) *vapour pressure (hPa)* | évi közép – *annual mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | évi összeg *annual amount* | eltérés *anomalies* | az átlag %-ában *annual amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatár – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ⩽ 200 m – *visibility ⩽ 200 m* |
| 10.3 | 73 | 26 | 8.10. | 0 | 252 | 104 | 40 | 636 | -49 | 93 | 31.3 | 12. 5. | 134 | 80 | 45 | 21 | 27 | 2 | 19 | 10 | 16 |
| 9.7 | 73 | 20 | 3. 3. | 0 | 180 | 51 | 6 | 571 | -92 | 86 | 33.8 | 11.16. | 130 | 74 | 35 | 18 | 23 | 0 | 14 | 4 | 15 |
| 10.0 | 71 | 22 | 8. 9. | 3 | 157 | 55 | 12 | 558 | -51 | 92 | 60.2 | 7.12. | 116 | 72 | 37 | 20 | 18 | 0 | 13 | 5 | 8 |
| 9.4 | 66 | 22 | 8.19. | - | - | - | - | 533 | -131 | 80 | 23.2 | 10.29. | 106 | 76 | 32 | 20 | 32 | 0 | 14 | 4 | 12 |
| 9.4 | 68 | 25 | 9. 3. | 0 | 207 | 96 | 24 | 500 | - | - | 24.4 | 10.30. | 114 | 70 | 30 | 18 | 34 | 0 | 23 | 4 | 24 |
| 10.8 | 74 | 30 | 9. 7. | 9 | 64 | 5 | 1 | 636 | -51 | 93 | 43.1 | 6. 3. | 126 | 74 | 41 | 25 | 33 | 0 | 11 | 9 | 12 |
| 10.3 | 68 | 31 | 8. 9. | 0 | 223 | 103 | 35 | 434 | -196 | 69 | 27.5 | 11.16. | 113 | 63 | 28 | 13 | 35 | 0 | 5 | 0 | 10 |
| 10.3 | 72 | 30 | 2.26. | 0 | 119 | 35 | 2 | 624 | -127 | 83 | 32.5 | 10.17. | 115 | 75 | 38 | 21 | 34 | 0 | 13 | 2 | 8 |
| 9.9 | 73 | 16 | 3.19. | 0 | 116 | 20 | 1 | 604 | -136 | 82 | 54.8 | 6.12. | 124 | 74 | 36 | 15 | 24 | 0 | 10 | 8 | 15 |
| 9.3 | 71 | 21 | 9. 7. | 5 | 120 | 30 | 1 | 658 | -160 | 80 | 37.9 | 10.17. | 114 | 76 | 29 | 20 | 32 | 0 | 12 | 13 | 20 |
| 10.1 | 75 | 12 | 3.19. | 1 | 137 | 34 | 3 | 633 | -134 | 83 | 42.4 | 11.16. | 124 | 78 | 41 | 21 | 34 | 0 | 16 | 10 | 15 |
| 9.8 | 67 | 20 | 5. 3. | 0 | 183 | 58 | 7 | 694 | +66 | 111 | 40.0 | 6. 5. | 127 | 80 | 36 | 22 | 24 | 0 | 12 | 4 | 17 |
| 8.9 | 60 | 17 | 5.25. | 0 | 176 | 60 | 11 | 363 | -267 | 58 | 26.8 | 7.12. | 110 | 66 | 29 | 9 | 30 | 2 | 18 | 5 | 0 |
| 9.1 | 64 | 19 | 7.28. | 0 | 190 | 60 | 16 | 385 | -230 | 63 | 31.8 | 9.29. | 112 | 65 | 24 | 9 | 29 | 4 | 25 | 11 | 23 |
| 9.6 | 69 | 16 | 9. 3. | 0 | 107 | 17 | 2 | 491 | -106 | 82 | 41.5 | 6.25. | 121 | 66 | 33 | 13 | 37 | 0 | 10 | 0 | 20 |
| 10.2 | 72 | 21 | 5. 3. | 4 | 109 | 15 | 2 | 465 | -183 | 72 | 23.8 | 10.24. | 113 | 62 | 31 | 15 | 39 | 0 | 14 | 2 | 16 |
| 9.9 | 70 | 22 | 5.25. | 1 | 148 | 43 | 8 | 457 | -100 | 82 | 55.2 | 6. 5. | 99 | 52 | 32 | 14 | 32 | 0 | 10 | 4 | 18 |
| 9.5 | 69 | 20 | 8.21. | 4 | 90 | 9 | 2 | 375 | -142 | 73 | 28.2 | 6. 5. | 115 | 64 | 19 | 12 | 34 | 2 | 15 | 16 | 25 |
| 7.3 | 71 | 7 | 2.27. | 0 | 258 | 117 | 30 | 496 | -395 | 56 | 34.6 | 11.16. | 117 | 75 | 30 | 15 | 33 | 2 | 40 | 93 | 113 |
| 8.9 | 67 | 31 | 2.24. | 0 | 186 | 67 | 16 | 363 | -237 | 61 | 26.1 | 6. 6. | 97 | 58 | 23 | 12 | 33 | 0 | 13 | 32 | 49 |
| 9.6 | 70 | 30 | 4.19. | 0 | 199 | 66 | 16 | 390 | -168 | 70 | 26.0 | 9. 5. | 120 | 73 | 25 | 9 | 27 | 0 | 20 | 16 | 18 |
| 9.8 | 72 | 17 | 5. 3. | 0 | 157 | 42 | 12 | 389 | -181 | 68 | 22.7 | 10.30. | 114 | 69 | 27 | 8 | 45 | 2 | 21 | 19 | 23 |

**ZIVATAROS NAPOK SZÁMA**
*NUMBER OF DAYS WITH STORM*



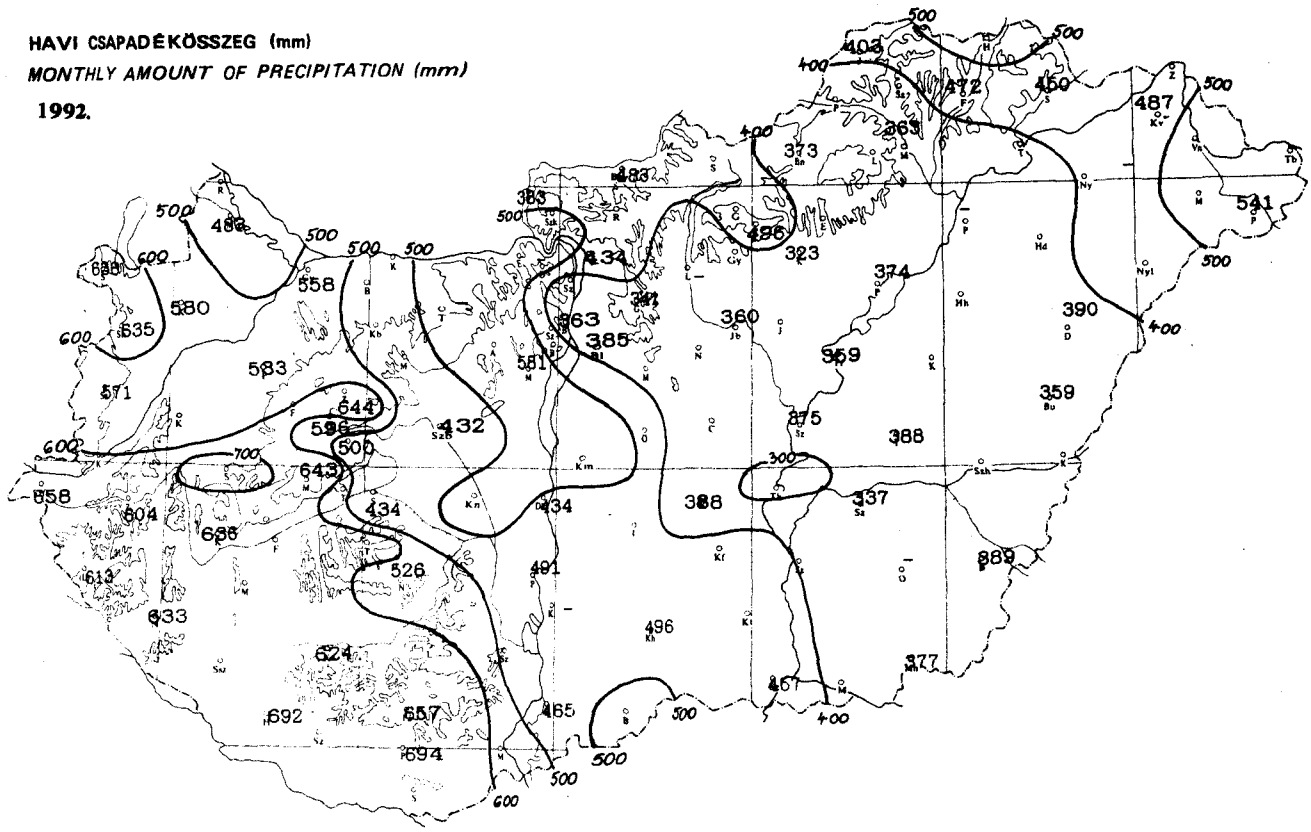
**HÓTAKARÓS NAPOK SZÁMA**
*NUMBER OF DAYS WITH SNOW COVER*



**HAVI CSAPADÉKÖSSZEG (mm)**

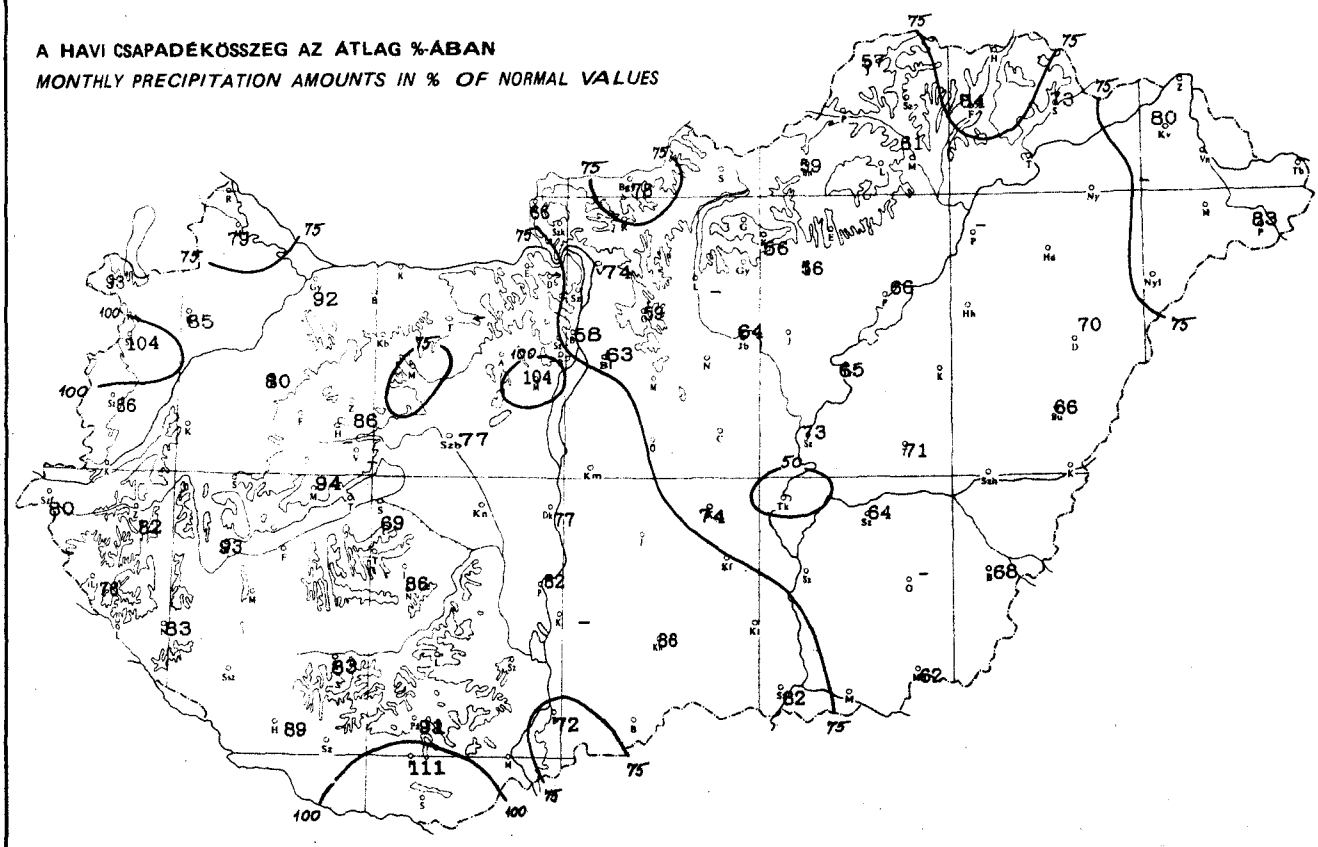
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1992.**



**A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN**

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Központi Meteorológiai Intézet Éghajlatkutató és Tájékoztató Osztálya * Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Nyomdája * Felelős vezető: Szinok István * Munkaszám: 93.096

HU ISSN 0133 – 1582

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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. február CXXIII. évf. 2. szám

Magyarország területén februárban az átlagosnál hidegebb, napfényben gazdag, csapadékban viszont szegényes volt az időjárás.

A napfénytartam általában a sokévi átlag 110–140 %-át érte el, ami 5-30 órás napfénytöbbletet jelentett, csupán Debrecen térségében adódott 15–20 órás napfényhiány. A legtöbb napsütés (140 óra) Zalaegerszegen, a legkevesebb (65 óra) Debrecenben fordult elő.

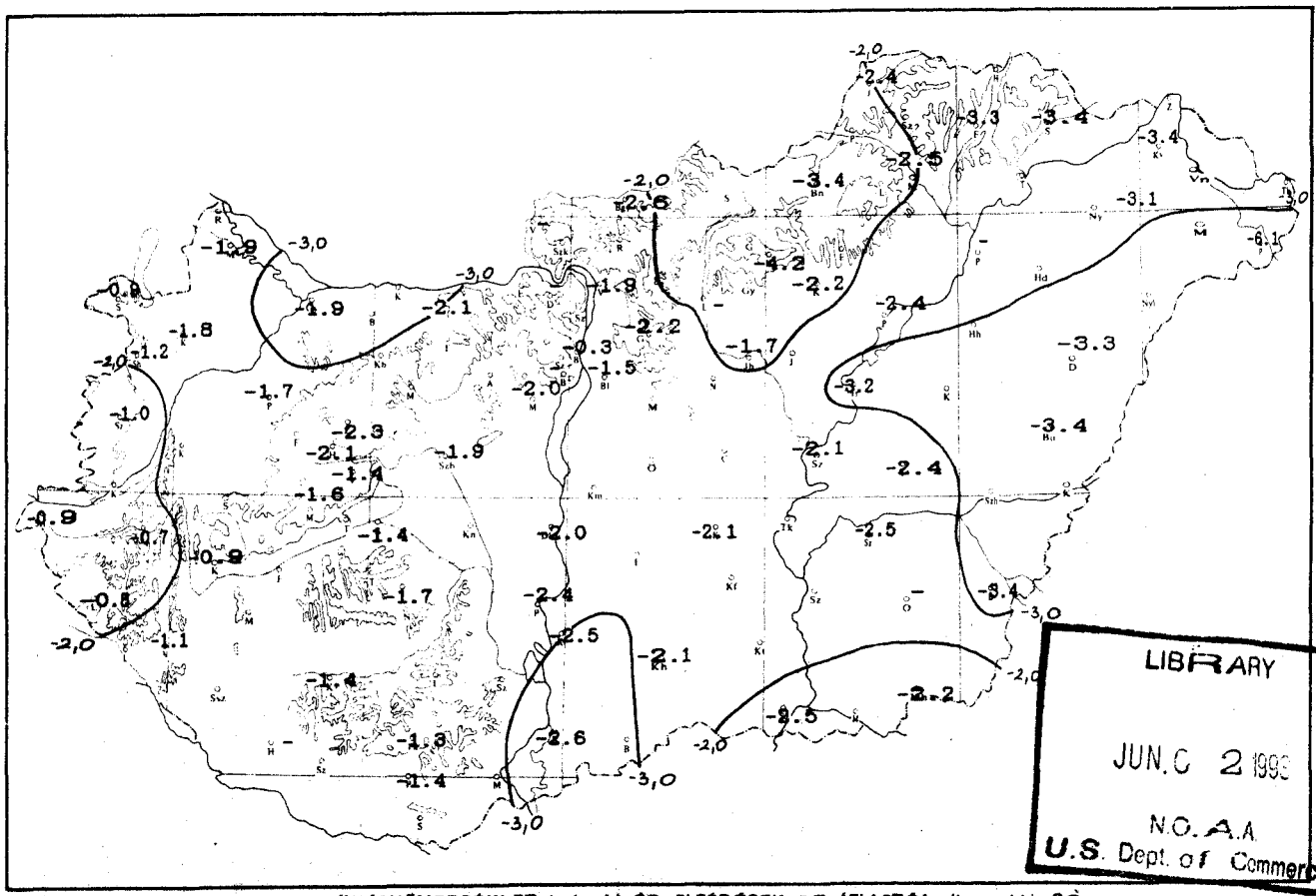
A februári középhőmérséklet a síkvidéki állomásokon -3,4 °C és 0,0 °C fok között alakult. A havi hőmérsékleti anomália az ország túlnyomó részén -3,5 és -1,5°C között váltakozott. A hónap legmagasabb hőmérsékletét (+10,5°C) Siklóson február 6-án regisztrálták. A hónap legalacsonyabb hőmérsékletét (-20,3 °C) február 1-én Pakson mérték, a legerősebb talajmenti fagyot (-22,5 °C) Baján regisztrálták.

A februári csapadékösszeg az ország északkeleti, keleti területein, valamint délnyugaton a sokévi átlag 50 és 90 %-a között váltakozott, másutt a csapadékhozam 60-80 %-kal az átlagos érték alatt maradt. A havi maximális csapadékösszeget (60 mm-t) Farkasgyepű jelentette, Szombathely térségében csak 2 mm csapadék hullott. A 24 óra alatt hullott legnagyobb csapadékot (február 24-én, 28,8 mm-t) szintén Farkasgyepűn mérték.

A tengerszintre átszámított légnyomás havi átlagos értéke 1026,7 és 1027,8 hPa között ingadozott. A tengerszinti légnyomás maximuma (1045,1 hPa) február 1-én Miskolcon, minimuma (995,6 hPa) 21-én Miskolcon adódott.

A havi legerősebb széllökést (30,2 m/s-ot) február 23-án Siófokon regisztrálták.

Február második felében az ország majdnem egész területét hótakaró borította. Kékestetőn 22, Debrecen térségében 17, Nyíregyháza környékén 15 napon át észleltek összefüggő hótakarót.



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

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További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály , 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993. február**

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | . | . | . | . | 0.0 | . | . | . | . | . | . | . | 0.1 | 0.9 |
| Szombathely | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.4 |
| Győr | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.2 |
| Pápa | 0.0 | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.3 |
| Veszprém | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.0 |
| Keszthely | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.2 | 0.3 |
| Siófok | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.0 |
| Kaposvár | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.2 | 0.0 |
| Zalaegerszeg | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.6 |
| Szentgotthárd | . | . | . | . | . | . | 0.0 | . | . | . | . | . | . | . | 0.3 |
| Nagykanizsa | . | . | . | . | . | . | . | . | . | . | . | 0.0 | . | 0.2 | 0.4 |
| Pécs | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 1.4 |
| Budapest KMI | . | . | . | . | . | 0.0 | . | . | . | . | . | . | . | 0.1 | . |
| Budapest KLFI | . | . | . | . | 0.0 | 0.0 | . | . | . | . | . | . | . | 0.0 | 0.0 |
| Paks | . | . | . | . | . | . | . | . | . | . | . | 0.0 | . | . | . |
| Baja | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 0.7 |
| Szeged | . | . | . | . | . | 0.0 | . | . | . | . | . | 0.0 | . | . | 0.6 |
| Szolnok | . | . | . | . | . | 0.3 | . | . | . | . | . | . | . | 0.0 | 0.0 |
| Kékestető | . | . | . | . | . | 2.9 | . | . | . | . | . | . | . | 1.6 | 0.1 |
| Miskolc | . | . | . | . | . | 1.8 | . | . | . | . | . | . | . | . | . |
| Nyíregyháza Nap | . | . | . | . | . | 3.9 | . | . | . | . | . | . | . | . | . |
| Debrecen | . | . | . | . | . | 4.8 | . | . | . | . | . | . | . | . | . |
| Békéscsaba | . | . | . | 0.0 | . | 0.8 | . | . | . | . | . | . | . | 0.0 | 0.4 |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | -7.7 | -3.9 | -0.3 | -6.0 | -3.6 | 1.8 | 3.1 | 1.7 | 0.0 | -1.2 | -1.4 | -1.8 | -1.2 | 0.0 | 0.3 |
| Szombathely | -10.2 | -5.7 | -2.9 | -0.6 | -2.4 | 0.2 | 3.2 | 1.4 | -0.1 | -1.0 | -1.1 | -1.2 | -1.4 | 0.2 | 0.6 |
| Győr | -12.5 | -9.0 | -5.0 | -6.3 | -7.4 | -2.8 | 3.1 | 0.7 | 0.2 | -1.3 | -2.7 | -1.9 | -1.9 | -0.4 | 0.7 |
| Pápa | -12.3 | -8.9 | -6.1 | -3.3 | -4.9 | -1.0 | 3.0 | 1.6 | 0.5 | -0.9 | -3.1 | -2.5 | -0.4 | -0.4 | 0.5 |
| Veszprém | -7.0 | -3.2 | -0.6 | -3.9 | -5.8 | 3.4 | 2.9 | 0.1 | -0.9 | -0.1 | 1.3 | -1.5 | -2.6 | -1.1 | 0.3 |
| Keszthely | -7.6 | -4.9 | -0.7 | -3.0 | -4.8 | -1.0 | 4.5 | 0.9 | -0.2 | -0.6 | -0.9 | -1.7 | -2.1 | 0.3 | 0.9 |
| Siófok | -8.0 | -4.8 | -4.4 | -6.5 | -6.1 | -1.6 | 3.4 | 0.6 | -0.4 | -1.4 | -0.7 | -1.2 | -2.9 | -0.2 | 0.7 |
| Kaposvár | -10.0 | -5.5 | -2.9 | -3.3 | -6.0 | -0.3 | 4.0 | 1.2 | 0.4 | -1.2 | -0.3 | -1.9 | -1.1 | -0.3 | 0.6 |
| Zalaegerszeg | -7.9 | -5.3 | -2.7 | -1.4 | -2.7 | 0.3 | 3.8 | 1.6 | 0.0 | -0.3 | -1.4 | -1.9 | -0.8 | 0.2 | 0.9 |
| Szentgotthárd | -6.8 | -4.0 | -0.6 | 0.6 | -0.7 | 1.6 | 2.8 | 1.4 | -0.8 | -0.5 | -0.9 | -1.5 | -1.1 | -0.7 | -0.2 |
| Nagykanizsa | -7.5 | -4.2 | -2.8 | -1.2 | -4.1 | -0.8 | 4.4 | 0.4 | -0.4 | -2.1 | -1.9 | -1.5 | -1.5 | 0.1 | 0.6 |
| Pécs | -5.4 | -4.6 | -2.4 | -2.0 | -5.6 | 0.4 | 3.6 | 0.6 | 0.2 | 0.3 | 1.4 | -0.3 | -0.1 | -0.7 | 0.5 |
| Budapest KMI | -4.8 | -3.0 | -1.6 | -3.2 | -4.8 | 0.3 | 3.7 | 1.9 | 0.7 | 1.2 | 2.5 | 0.3 | -0.7 | 0.1 | 1.9 |
| Budapest KLFI | -7.6 | -4.6 | -2.4 | -6.3 | -6.7 | -3.2 | 3.0 | 0.9 | -0.4 | 0.8 | 2.0 | -1.0 | -3.1 | -0.3 | 1.0 |
| Paks | -10.9 | -7.1 | -6.3 | -7.2 | -7.2 | -3.9 | 3.9 | -0.7 | -1.0 | -3.2 | -1.4 | -1.2 | -1.8 | 0.1 | 1.4 |
| Baja | -10.4 | -5.8 | -6.3 | -8.9 | -8.9 | -3.4 | 2.2 | 0.0 | -0.1 | -1.5 | -0.7 | -1.1 | -2.0 | -0.5 | 0.8 |
| Szeged | -9.6 | -6.1 | -7.0 | -7.9 | -5.4 | -5.2 | 1.4 | -0.4 | -0.8 | -1.4 | -0.4 | -0.6 | -1.0 | -0.7 | 0.5 |
| Szolnok | -5.2 | -3.3 | -4.6 | -7.3 | -6.6 | -3.3 | 1.2 | -0.4 | -2.0 | -1.3 | 0.6 | -1.7 | -2.0 | -0.2 | 0.6 |
| Kékestető | -2.8 | 1.9 | 3.7 | 2.0 | 3.2 | -0.1 | -3.0 | -4.9 | -4.2 | -1.7 | -1.5 | -2.9 | -1.7 | -5.8 | -6.4 |
| Miskolc | -4.6 | -1.3 | -5.6 | -6.9 | -6.6 | -4.3 | -0.5 | -0.1 | -2.4 | 0.3 | 1.3 | -0.6 | -4.2 | -0.8 | 0.2 |
| Nyíregyháza Nap | -7.1 | -4.9 | -6.6 | -5.7 | -6.0 | -4.7 | -1.5 | -3.4 | -4.1 | -2.0 | 1.2 | -3.2 | -4.2 | -0.2 | 0.1 |
| Debrecen | -9.7 | -8.2 | -7.9 | -6.4 | -6.3 | -4.7 | -0.5 | -4.1 | -2.8 | -2.1 | 1.4 | -3.6 | -4.7 | 0.1 | 0.4 |
| Békéscsaba | -10.4 | -7.3 | -7.0 | -7.9 | -7.9 | -4.2 | -0.8 | -2.5 | -3.3 | -3.6 | -1.8 | -2.1 | -1.8 | -0.9 | -0.4 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 4.2 | 8.2 | 8.2 | 3.5 | 6.1 | 2.2 | 0.3 | 8.5 | 7.5 | 3.6 | 2.3 | 3.3 | 0.0 | 0.0 | 0.0 |
| Szombathely | 3.8 | 4.9 | 7.1 | 7.1 | 5.6 | 1.5 | 0.2 | 7.3 | 7.5 | 6.3 | 5.8 | 5.0 | 0.0 | 0.0 | 0.0 |
| Győr | 0.9 | 5.4 | 6.8 | 6.6 | 0.0 | 0.1 | 7.8 | 7.3 | 7.5 | 6.2 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 |
| Pápa | 1.5 | 4.4 | 5.0 | 5.5 | 2.2 | 2.0 | 6.5 | 7.9 | 6.8 | 6.5 | 0.0 | 1.5 | 5.5 | 0.0 | 0.0 |
| Veszprém | 5.5 | 4.9 | 7.9 | 1.9 | 1.9 | 1.0 | 6.9 | 5.5 | 3.8 | 3.7 | 3.2 | 0.0 | 4.3 | 0.0 | 0.0 |
| Keszthely | 2.1 | 5.3 | 7.6 | 6.8 | 0.0 | 6.2 | 2.6 | 7.1 | 7.1 | 6.0 | 5.1 | 1.5 | 2.7 | 0.0 | 0.0 |
| Siófok | 3.7 | 6.7 | 6.9 | 2.2 | 0.0 | 0.3 | 7.9 | 7.2 | 5.8 | 5.8 | 5.8 | 0.0 | 1.6 | 0.0 | 0.0 |
| Kaposvár | 1.9 | 4.6 | 7.3 | 6.9 | 0.0 | 7.2 | 6.8 | 8.2 | 7.5 | 7.0 | 6.0 | 0.0 | 7.5 | 0.0 | 0.0 |
| Zalaegerszeg | 3.2 | 7.9 | 8.6 | 8.4 | 6.1 | 6.5 | 0.2 | 8.6 | 8.6 | 7.9 | 7.7 | 2.7 | 8.1 | 0.0 | 0.0 |
| Szentgotthárd | 4.1 | 4.9 | 6.9 | 7.0 | 5.7 | 5.6 | 0.0 | 6.9 | 6.7 | 6.9 | 6.4 | 6.2 | 5.9 | 0.0 | 0.0 |
| Nagykanizsa | 6.0 | 6.5 | 7.8 | 7.9 | 0.8 | 5.6 | 2.0 | 7.5 | 8.1 | 6.3 | 6.1 | 4.4 | 6.1 | 0.0 | 0.0 |
| Pécs | 4.9 | 6.3 | 6.6 | 6.9 | 3.6 | 5.4 | 5.4 | 8.1 | 8.7 | 8.1 | 5.6 | 0.0 | 6.6 | 0.0 | 0.0 |
| Budapest KMI | 6.9 | 7.7 | 7.1 | 5.0 | 1.5 | 0.0 | 5.0 | 7.9 | 7.6 | 7.8 | 7.5 | 1.6 | 5.1 | 0.2 | 0.0 |
| Budapest KLFI | 7.3 | 7.6 | 6.8 | 3.8 | 0.0 | 0.0 | 3.8 | 8.0 | 8.1 | 8.3 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Paks | 8.0 | 6.5 | 6.5 | 6.6 | 0.0 | 1.9 | 0.5 | 8.4 | 8.3 | 6.0 | 6.4 | 0.0 | 5.6 | 0.0 | 0.0 |
| Baja | 6.5 | 6.9 | 6.0 | 1.1 | 2.1 | 5.9 | 0.1 | 7.8 | 8.1 | 6.6 | 4.0 | 3.9 | 6.7 | 0.0 | 0.0 |
| Szeged | 4.2 | 6.3 | 2.1 | 1.4 | 0.0 | 0.0 | 4.4 | 7.8 | 7.8 | 7.7 | 5.4 | 5.5 | 7.3 | 0.0 | 0.2 |
| Szolnok | 6.0 | 7.1 | 4.5 | 0.0 | 0.0 | 0.0 | 6.4 | 7.2 | 8.0 | 8.0 | 7.0 | 4.1 | 5.7 | 0.0 | 2.1 |
| Kékestető | 7.8 | 7.7 | 7.8 | 7.8 | 7.7 | 0.0 | 5.1 | 6.9 | 8.1 | 7.2 | 7.7 | 8.0 | 8.2 | 0.0 | 1.8 |
| Miskolc | 4.1 | 6.8 | 0.6 | 0.0 | 0.0 | 0.0 | 7.1 | 3.8 | 7.1 | 7.2 | 8.4 | 7.3 | 0.0 | 0.0 | 2.1 |
| Nyíregyháza Nap | 0.7 | 6.3 | 0.0 | 0.0 | 0.0 | 0.0 | 6.7 | 2.3 | 7.3 | 5.4 | 8.3 | 0.7 | 0.2 | 0.5 | 5.5 |
| Debrecen | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 6.3 | 7.8 | 8.0 | 8.0 | 0.0 | 0.0 | 0.0 | 4.1 |
| Békéscsaba | 2.2 | 6.2 | 4.7 | 0.0 | 0.0 | 0.0 | 8.0 | 7.8 | 8.6 | 8.8 | 7.9 | 2.6 | 8.5 | 0.0 | 2.6 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. február

CSAPADÉK (mm)

PRECIPITATION (mm)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | 2.0 | . | 0.0 | 0.0 | 0.0 | 0.0 | . | 0.2 | 0.5 | 0.0 | . | . | | | | 12805 |
| . | 1.8 | . | . | 0.1 | 0.0 | . | . | 0.0 | 0.0 | 0.0 | . | . | | | | 12812 |
| . | 2.1 | . | 0.5 | 0.1 | 0.1 | . | 0.5 | 1.4 | 2.3 | 0.1 | . | . | | | | 12822 |
| . | 3.3 | . | 0.0 | . | 0.0 | 0.0 | 0.3 | 1.2 | 0.8 | 0.2 | . | . | | | | 12825 |
| . | 1.0 | . | 0.4 | 0.0 | 0.0 | . | 1.6 | 3.0 | 2.0 | 0.0 | . | . | | | | 12830 |
| . | 1.8 | . | 1.0 | 0.0 | 0.0 | . | 0.2 | 9.4 | 1.4 | . | . | . | | | | 12920 |
| . | 0.7 | . | 0.0 | 0.1 | . | . | 0.0 | 1.2 | 1.8 | 0.1 | . | . | | | | 12935 |
| . | 0.2 | . | 2.7 | 0.4 | 0.2 | . | 0.7 | 2.7 | 2.1 | 0.0 | . | . | | | | 12930 |
| . | 2.0 | . | . | 0.0 | . | . | . | 0.2 | 2.8 | .. | . | . | | | | 12915 |
| 0.0 | 1.0 | . | 0.0 | . | . | . | . | 5.6 | 10.5 | . | . | . | | | | 12910 |
| . | 0.8 | . | 0.8 | . | 0.0 | . | 0.5 | 12.3 | 5.4 | 0.0 | 0.0 | . | | | | 12925 |
| . | 1.2 | . | 0.4 | 0.2 | 1.3 | 0.1 | 3.6 | 12.0 | 0.7 | 0.1 | . | . | | | | 12942 |
| . | 1.2 | . | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 2.0 | 0.0 | . | 0.0 | . | | | | 12840 |
| 0.0 | 1.1 | . | 0.0 | 0.0 | 0.1 | 0.0 | 0.5 | 1.9 | 0.0 | . | 0.0 | . | | | | 12843 |
| . | 1.6 | 0.0 | . | 0.7 | 0.1 | 0.2 | 2.9 | 3.1 | 0.3 | 0.0 | . | . | | | | 12950 |
| 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 2.9 | 3.1 | 0.1 | 0.1 | . | . | | | | 12960 |
| 0.0 | 1.0 | 0.0 | 0.1 | . | 0.0 | 0.0 | 2.5 | 1.3 | 0.8 | 0.2 | 0.0 | . | | | | 12982 |
| 0.0 | 0.7 | . | . | 0.0 | 0.1 | 0.0 | 3.8 | 1.7 | 0.0 | . | 0.2 | 0.0 | | | | 12860 |
| . | 1.9 | . | 3.0 | 1.9 | 8.5 | 0.3 | 1.9 | 2.5 | 0.5 | . | 0.1 | 0.2 | | | | 12851 |
| . | 0.3 | . | 0.0 | 0.4 | 0.5 | . | 0.8 | 1.4 | 0.0 | . | . | 0.5 | | | | 12772 |
| . | 1.9 | 0.0 | 0.4 | 0.0 | 0.3 | 0.2 | 3.2 | 1.4 | 0.2 | 0.2 | . | . | | | | 12893 |
| 0.0 | 2.0 | 0.1 | 1.5 | 0.0 | 1.5 | 0.1 | 5.9 | 2.0 | . | 0.1 | . | 0.0 | | | | 12882 |
| 0.6 | 0.9 | 0.0 | 0.0 | . | 0.0 | 0.0 | 8.3 | 0.3 | 0.0 | 0.0 | . | . | | | | 12992 |

KÖZÉPHŐMÉRSÉKLET (°C)

DAILY MEAN TEMPERATURE (°C)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -2.0 | -2.0 | 3.0 | 2.7 | 2.9 | 2.7 | -2.9 | -4.7 | -2.3 | -1.5 | -0.3 | -0.9 | -0.6 | | | | 12805 |
| -1.7 | -3.0 | 2.3 | 1.3 | 2.5 | 1.7 | -2.3 | -4.0 | -1.1 | -0.8 | -0.2 | -0.3 | -1.3 | | | | 12812 |
| -1.3 | -2.7 | 2.4 | 2.7 | 2.4 | 2.6 | -1.7 | -4.0 | -2.4 | -1.7 | -1.4 | -0.2 | -0.1 | | | | 12822 |
| -1.3 | -3.1 | 1.5 | 2.1 | 2.9 | 2.4 | -1.9 | -4.3 | -2.9 | -1.6 | -1.7 | -0.5 | -1.0 | | | | 12825 |
| -2.9 | -4.8 | 1.2 | 0.6 | 1.6 | 1.5 | -2.5 | -5.4 | -3.9 | -3.4 | -2.2 | -1.0 | -0.3 | | | | 12830 |
| -1.4 | -3.5 | 2.8 | 0.9 | 2.3 | 1.6 | -1.1 | -2.9 | -1.4 | -1.2 | -0.8 | 0.0 | 1.8 | | | | 12920 |
| -1.6 | -3.0 | 1.5 | 1.7 | 2.0 | 2.3 | -0.4 | -2.9 | -1.6 | -2.5 | -1.1 | -0.5 | 1.2 | | | | 12935 |
| -2.3 | -3.8 | 1.8 | 1.2 | 1.5 | 0.7 | -1.1 | -3.6 | -2.8 | -4.0 | -2.4 | -1.2 | 2.5 | | | | 12930 |
| -0.2 | -3.7 | 1.7 | 1.5 | 2.4 | 2.3 | -1.5 | -3.4 | -1.1 | -1.2 | -1.2 | 0.4 | 0.6 | | | | 12915 |
| -2.0 | -4.4 | 1.2 | 0.7 | 1.6 | 2.1 | -2.9 | -4.1 | -2.1 | -1.4 | -1.6 | -1.1 | -0.3 | | | | 12910 |
| -1.1 | -3.8 | 2.3 | 0.9 | 1.6 | 1.4 | -1.2 | -3.0 | -2.1 | -1.6 | -2.6 | -1.8 | 2.1 | | | | 12925 |
| -4.2 | -4.8 | 0.7 | 0.2 | 1.7 | -0.1 | -1.4 | -4.1 | -3.7 | -4.1 | -3.2 | -2.5 | 0.8 | | | | 12942 |
| -1.5 | -3.0 | 1.9 | 2.1 | 3.1 | 1.8 | -0.9 | -4.0 | -2.0 | -2.1 | -0.1 | 0.5 | 0.3 | | | | 12840 |
| -3.2 | -4.3 | -0.4 | 0.6 | 2.8 | 1.2 | -0.8 | -3.9 | -2.5 | -3.0 | -1.0 | -0.6 | 0.1 | | | | 12843 |
| -3.2 | -5.1 | 0.1 | 0.5 | 2.2 | 0.0 | -0.9 | -3.8 | -2.9 | -4.7 | -2.2 | -2.4 | 2.5 | | | | 12950 |
| -4.1 | -4.7 | -0.1 | -0.5 | 1.7 | -0.3 | -1.3 | -3.8 | -3.3 | -4.7 | -4.1 | -2.8 | 0.7 | | | | 12960 |
| -3.5 | -4.3 | -0.7 | -0.4 | 2.0 | -1.2 | -1.2 | -3.6 | -3.2 | -4.4 | -5.2 | -1.3 | 0.9 | | | | 12982 |
| -4.3 | -5.0 | -0.6 | 0.1 | 2.5 | -0.3 | -1.4 | -3.5 | -4.3 | -4.2 | -2.1 | -0.6 | -0.6 | | | | 12860 |
| -8.9 | -10.1 | -6.0 | -5.9 | -4.7 | -6.0 | -8.0 | -10.9 | -8.1 | -8.5 | -6.4 | -7.0 | -4.1 | | | | 12851 |
| -4.6 | -6.1 | -1.4 | -1.1 | 1.3 | -1.4 | -2.2 | -3.5 | -3.7 | -4.0 | -2.0 | -1.8 | -2.1 | | | | 12772 |
| -5.0 | -6.5 | -1.9 | -1.2 | 0.5 | -1.4 | -1.5 | -4.2 | -3.8 | -5.9 | -2.4 | -1.1 | -0.2 | | | | 12893 |
| -4.1 | -6.2 | -2.2 | -1.5 | 0.5 | -1.1 | -1.3 | -3.7 | -4.5 | -4.7 | -3.2 | -1.4 | 0.1 | | | | 12882 |
| -4.0 | -5.1 | -1.7 | -0.7 | 1.8 | -0.9 | -1.3 | -3.7 | -3.9 | -5.5 | -6.2 | -1.8 | 0.6 | | | | 12992 |

NAPSÜTÉS (óra)

DURATION OF SUNSHINE (HOURS)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.2 | 0.0 | 7.4 | 0.0 | 6.4 | 5.7 | 8.2 | 7.4 | 0.0 | 0.0 | 2.1 | 8.7 | 6.4 | | | | 12805 |
| 0.6 | 0.0 | 4.7 | 0.1 | 4.4 | 2.1 | 8.4 | 7.0 | 0.0 | 0.0 | 3.5 | 8.0 | 4.5 | | | | 12812 |
| 7.0 | 0.0 | 6.9 | 0.8 | 5.5 | 2.3 | 7.9 | 6.2 | 0.0 | 0.0 | 1.7 | 7.8 | 5.2 | | | | 12822 |
| 6.6 | 0.0 | 5.7 | 0.6 | 4.5 | 1.5 | 4.3 | 4.7 | 0.0 | 0.0 | 1.5 | 8.6 | 6.5 | | | | 12825 |
| 7.7 | 0.0 | 6.7 | 0.0 | 4.5 | 0.3 | 6.5 | 5.3 | 0.0 | 0.0 | 2.0 | 8.3 | 7.3 | | | | 12830 |
| 6.7 | 0.6 | 6.0 | 1.3 | 4.6 | 0.1 | 7.0 | 7.1 | 0.0 | 0.0 | 1.7 | 8.4 | 8.6 | | | | 12920 |
| 7.7 | 0.0 | 7.6 | 1.3 | 4.8 | 0.0 | 4.7 | 4.3 | 0.0 | 0.0 | 1.8 | 7.8 | 7.2 | | | | 12935 |
| 2.6 | 2.0 | 7.8 | 1.3 | 5.4 | 0.0 | 2.9 | 5.5 | 0.0 | 0.0 | 0.2 | 5.0 | 8.6 | | | | 12930 |
| 4.8 | 0.4 | 4.3 | 0.8 | 5.6 | 0.8 | 8.6 | 6.8 | 0.0 | 0.0 | 7.7 | 8.9 | 6.7 | | | | 12915 |
| 0.0 | 0.0 | 2.8 | 0.5 | 5.5 | 1.8 | 7.2 | 7.4 | 0.0 | 0.0 | 4.3 | 6.7 | 5.8 | | | | 12910 |
| 3.9 | 1.8 | 5.5 | 1.7 | 3.9 | 0.1 | 5.4 | 7.8 | 0.0 | 0.0 | 2.0 | 7.1 | 8.5 | | | | 12925 |
| 5.7 | 1.0 | 5.6 | 2.8 | 6.3 | 0.0 | 0.0 | 3.8 | 0.0 | 1.5 | 0.2 | 0.3 | 8.6 | | | | 12942 |
| 5.3 | 0.6 | 8.6 | 0.9 | 6.7 | 0.3 | 2.4 | 0.6 | 0.0 | 4.3 | 2.9 | 5.3 | 4.5 | | | | 12840 |
| 2.5 | 0.2 | 7.4 | 0.5 | 6.1 | 0.2 | 0.0 | 0.0 | 0.0 | 3.2 | 1.2 | 4.6 | 3.6 | | | | 12843 |
| 2.2 | 1.9 | 4.0 | 1.3 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 3.1 | 8.4 | | | | 12950 |
| 1.4 | 4.3 | 4.9 | 1.0 | 7.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 8.1 | | | | 12960 |
| 3.4 | 3.8 | 5.6 | 0.7 | 7.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.9 | | | | 12982 |
| 0.0 | 2.4 | 7.8 | 0.0 | 8.2 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 0.0 | 1.5 | 2.4 | | | | 12860 |
| 3.9 | 0.0 | 8.3 | 0.0 | 4.1 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 3.2 | 0.0 | 1.5 | | | | 12851 |
| 6.5 | 0.2 | 7.3 | 0.0 | 6.0 | 0.0 | 2.2 | 0.0 | 0.0 | 2.5 | 2.7 | 3.7 | 0.0 | | | | 12772 |
| 8.1 | 0.0 | 6.5 | 0.0 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 3.8 | 4.2 | | | | 12893 |
| 1.6 | 0.0 | 6.4 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 0.0 | 3.7 | 1.4 | | | | 12882 |
| 5.3 | 2.3 | 5.4 | 0.7 | 5.2 | 0.0 | 0.0 | 0.0 | 0.2 | 6.8 | 0.8 | 6.7 | 5.1 | | | | 12992 |

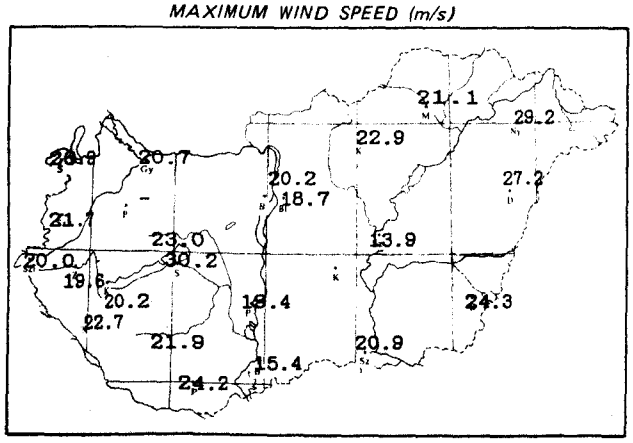
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

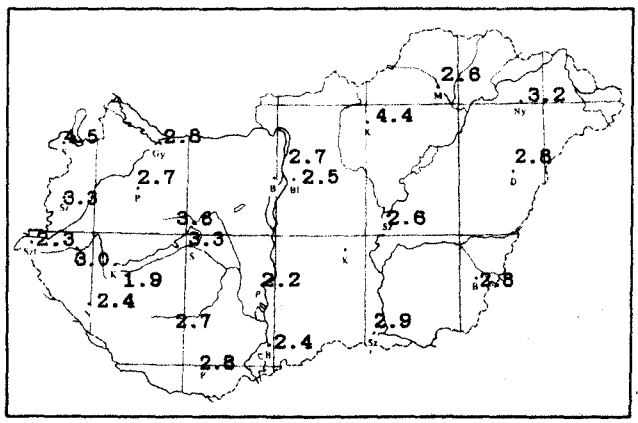
**1993. február**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap – *Clear days* | Borult nap – *Overcast days* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 112 | – | 4 | 4 | -0.9 | - | 7.5 | 21 | -12.0 | 1 | 0 | 0 | 26 | 5 | 2 | 27 |
| Szombathely | 224 | 105 | +18 | 8 | 5 | -1.0 | -1.5 | 9.4 | 4 | -15.7 | 1 | 0 | 0 | 26 | 2 | 3 | 28 |
| Győr | 115 | 102 | +18 | 8 | 4 | -1.9 | -3.0 | 6.6 | 8 | -17.0 | 1 | 0 | 0 | 25 | 9 | 5 | 27 |
| Pápa | 140 | 100 | – | 9 | 4 | -1.7 | - | 7.5 | 4 | -14.4 | 1 | 0 | 0 | 27 | 7 | 4 | 27 |
| Veszprém | 302 | 99 | – | 6 | 6 | -1.4 | - | 6.2 | 7 | -12.0 | 1 | 0 | 0 | 27 | 8 | 2 | 27 |
| Keszthely | 117 | 112 | +24 | 8 | 5 | -0.9 | -2.1 | 9.2 | 7 | -11.5 | 1 | 0 | 0 | 27 | 3 | 2 | 28 |
| Siófok | 108 | 101 | – | 9 | 8 | -1.4 | - | 7.9 | 28 | -12.0 | 1 | 0 | 0 | 25 | 7 | 3 | 27 |
| Kaposvár | 144 | 112 | – | 8 | 5 | -1.4 | - | 8.6 | 6 | -15.4 | 1 | 0 | 0 | 27 | 5 | 2 | 27 |
| Zalaegerszeg | 188 | 140 | – | 10 | 5 | -0.7 | - | 9.4 | 6 | -12.2 | 1 | 0 | 0 | 27 | 5 | 2 | 27 |
| Szentgotthárd | 221 | 115 | – | 11 | 5 | -0.9 | - | 9.2 | 4 | -12.0 | 1 | 0 | 0 | 28 | 3 | 2 | 28 |
| Nagykanizsa | 160 | 123 | – | 9 | 5 | -1.1 | - | 9.0 | 28 | -12.1 | 27 | 0 | 0 | 27 | 5 | 4 | 27 |
| Pécs | 201 | 112 | +21 | 10 | 6 | -1.4 | -2.7 | 6.6 | 7 | -11.7 | 5 | 0 | 0 | 27 | 4 | 2 | 27 |
| Budapest KMI | 120 | 113 | +30 | 8 | 4 | -0.3 | -2.3 | 7.7 | 11 | -7.7 | 1 | 0 | 0 | 23 | 5 | 0 | 25 |
| Budapest KLFI | 140 | 91 | +7 | 5 | 9 | -1.5 | -2.6 | 8.0 | 11 | -14.8 | 1 | 0 | 0 | 27 | 8 | 1 | 28 |
| Paks | 103 | 94 | – | 8 | 7 | -2.4 | - | 7.9 | 28 | -20.3 | 1 | 0 | 0 | 27 | 6 | 9 | 27 |
| Baja | 109 | 97 | – | 8 | 9 | -2.6 | - | 8.0 | 20 | -19.2 | 1 | 0 | 0 | 27 | 7 | 9 | 27 |
| Szeged | 82 | 94 | +7 | 5 | 9 | -2.5 | -3.4 | 7.5 | 20 | -16.5 | 1 | 0 | 0 | 28 | 10 | 6 | 28 |
| Szolnok | 85 | 92 | – | 5 | 9 | -2.1 | - | 7.7 | 20 | -10.1 | 1 | 0 | 0 | 28 | 8 | 1 | 28 |
| Kékestető | 989 | 117 | +20 | 10 | 3 | -4.2 | -0.7 | 7.0 | 5 | -12.2 | 23 | 0 | 0 | 27 | 20 | 5 | 28 |
| Miskolc | 233 | 86 | +16 | 6 | 9 | -2.5 | -2.0 | 6.2 | 20 | -11.1 | 17 | 0 | 0 | 28 | 8 | 2 | 28 |
| Nyíregyháza N | 150 | 70 | – | 5 | 13 | -3.1 | - | 5.4 | 11 | -13.2 | 25 | 0 | 0 | 28 | 13 | 3 | 28 |
| Debrecen | 114 | 65 | -17 | 2 | 10 | -3.3 | -3.5 | 7.0 | 11 | -13.7 | 1 | 0 | 0 | 28 | 12 | 5 | 28 |
| Békéscsaba | 84 | 106 | – | 5 | 9 | -3.4 | - | 6.3 | 20 | -16.5 | 26 | 0 | 0 | 28 | 11 | 7 | 28 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

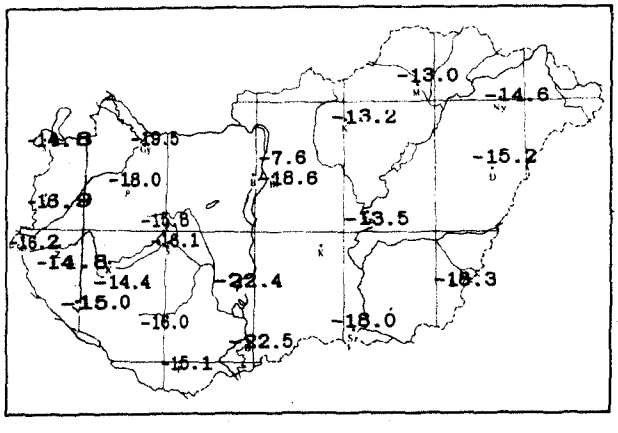
OBSERVATIONS OF MAIN STATIONS

**1993. február**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* napok száma *number of days* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | napok száma *number of days* | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ≤ 2 m/s | maximum ≥ 10 m/s | maximum ≥ 15 m/s | maximum ≥ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ≥ 0,1 mm | ≥ 1,0 mm | ≥ 5,0 mm | ≥ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ≤ 1000 m – *visibility ≤ 1000 m* |
| 4.6 | 80 | 48 | 8 | 0 | 19 | 10 | 6 | 4 | -28 | 13 | 2.0 | 17 | 5 | 1 | 0 | 0 | 0 | 0 | 5 | 6 | 8 |
| 4.6 | 80 | 48 | 4 | 0 | 10 | 5 | 2 | 2 | -24 | 8 | 1.8 | 17 | 3 | 1 | 0 | 0 | 0 | 0 | 3 | 3 | 6 |
| 4.5 | 83 | 51 | 8 | 2 | 10 | 5 | 1 | 7 | -26 | 21 | 2.3 | 25 | 9 | 3 | 0 | 0 | 0 | 0 | 9 | 12 | 7 |
| 4.3 | 79 | 51 | 9 | 2 | 10 | 5 | 1 | 6 | -21 | 22 | 3.3 | 17 | 6 | 2 | 0 | 0 | 0 | 0 | 6 | 9 | 8 |
| 4.4 | 80 | 42 | 3 | 1 | 10 | 6 | 4 | 8 | -30 | 21 | 3.0 | 24 | 5 | 4 | 0 | 0 | 0 | 0 | 5 | 11 | 9 |
| 4.8 | 82 | 51 | 20 | 2 | 5 | 2 | 1 | 14 | -19 | 42 | 9.4 | 24 | 7 | 4 | 1 | 0 | 0 | 0 | 7 | 7 | 5 |
| 4.4 | 78 | 50 | 28 | 0 | 11 | 7 | 5 | 4 | -30 | 12 | 1.8 | 25 | 5 | 2 | 0 | 0 | 0 | 0 | 5 | 8 | 5 |
| 4.2 | 76 | 43 | 18 | 0 | 9 | 4 | 2 | 9 | -30 | 23 | 2.7 | 24 | 8 | 3 | 0 | 0 | 0 | 0 | 8 | 7 | 5 |
| 4.5 | 77 | 43 | 8 | 1 | 9 | 3 | 0 | 5 | -28 | 15 | 2.6 | 25 | 4 | 2 | 0 | 0 | 0 | 0 | 4 | 1 | 5 |
| 4.2 | 74 | 32 | 21 | 0 | 7 | 3 | 1 | 17 | -18 | 49 | 10.5 | 25 | 4 | 3 | 2 | 1 | 0 | 0 | 4 | 5 | 3 |
| 4.4 | 79 | 34 | 28 | 0 | 10 | 5 | 2 | 20 | -17 | 54 | 12.3 | 24 | 7 | 2 | 2 | 1 | 0 | 0 | 7 | 5 | 5 |
| 4.5 | 81 | 47 | 18 | 0 | 6 | 5 | 2 | 21 | -11 | 66 | 12.0 | 24 | 10 | 5 | 1 | 1 | 0 | 0 | 10 | 11 | 3 |
| 4.2 | 70 | 42 | 8 | 0 | 10 | 6 | 1 | 4 | -34 | 11 | 2.0 | 24 | 6 | 2 | 0 | 0 | 0 | 1 | 6 | 7 | 3 |
| 4.2 | 77 | 39 | 18 | 0 | 12 | 3 | 0 | 4 | -27 | 13 | 1.9 | 24 | 4 | 2 | 0 | 0 | 0 | 0 | 4 | 7 | 7 |
| 4.2 | 79 | 37 | 20 | 0 | 6 | 4 | 0 | 9 | -24 | 27 | 3.1 | 24 | 7 | 3 | 0 | 0 | 0 | 0 | 7 | 12 | 7 |
| 4.2 | 82 | 42 | 13 | 0 | 6 | 2 | 0 | 8 | -25 | 24 | 3.1 | 24 | 8 | 2 | 0 | 0 | 0 | 0 | 8 | 12 | 12 |
| 4.4 | 84 | 49 | 20 | 0 | 9 | 3 | 2 | 7 | -17 | 29 | 2.5 | 23 | 7 | 3 | 0 | 0 | 0 | 0 | 7 | 13 | 13 |
| 4.3 | 82 | 42 | 20 | 0 | 5 | 0 | 0 | 7 | -19 | 27 | 3.8 | 23 | 6 | 2 | 0 | 0 | 0 | 0 | 6 | 5 | 10 |
| 3.2 | 75 | 11 | 1 | 0 | 20 | 8 | 1 | 25 | -27 | 48 | 8.5 | 21 | 13 | 8 | 1 | 0 | 0 | 0 | 13 | 22 | 15 |
| 4.2 | 81 | 45 | 20 | 0 | 10 | 4 | 2 | 6 | -22 | 21 | 1.8 | 6 | 7 | 2 | 0 | 0 | 0 | 0 | 7 | 10 | 10 |
| 4.3 | 86 | 47 | 28 | 0 | 14 | 3 | 2 | 12 | - | - | 3.9 | 6 | 9 | 4 | 0 | 0 | 0 | 0 | 9 | 15 | 11 |
| 4.0 | 84 | 52 | 11 | 0 | 12 | 6 | 2 | 18 | -12 | 60 | 5.9 | 23 | 9 | 6 | 1 | 0 | 0 | 0 | 9 | 17 | 11 |
| 4.2 | 87 | 53 | 28 | 0 | 7 | 2 | 2 | 11 | -21 | 34 | 8.3 | 23 | 6 | 1 | 1 | 0 | 0 | 0 | 6 | 14 | 12 |

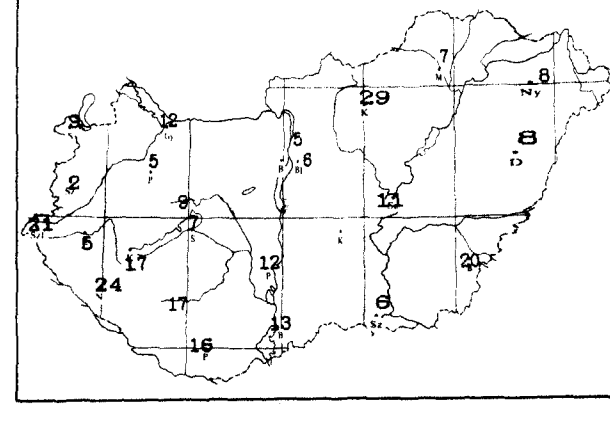
ABSZOLÚT RADIÁCIÓS MINIMUM (°C)

*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA

*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

1993. február

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | Csapadék (mm) — *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum — *date* | abszolút minimum *absolute minimum* | dátum — *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum — *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum — *date* |
| Kapuvár Hövej | 82 | -1.8 | 8.7 | 7 | -16.5 | 1 | -19.0 | 1 | 6 | -27 | 18 | 3.6 | 17 |
| Mosonmagyaróvár | 87 | -1.9 | 6.2 | 7 | -17.4 | 2 | -18.1 | 2 | 12 | -24 | 33 | 4.0 | 24 |
| Rajka | - | -1.9 | 6.4 | 7 | -17.4 | 1 | -17.8 | 2 | 20 | -19 | 51 | 7.5 | 17 |
| Sopronhorpács | 101 | -1.2 | 6.6 | 21 | -16.0 | 1 | -16.0 | 1 | 7 | -22 | 24 | 4.4 | 17 |
| Káld | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Körmend | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lenti | - | -0.8 | 8.5 | 4 | -11.5 | 1 | -12.0 | 1 | 21 | -19 | 53 | 13.3 | 25 |
| Letenye | - | -0.3 | 9.5 | 20 | -10.0 | 2 | -10.5 | 17 | 16 | -23 | 41 | 8.6 | 25 |
| Háreskút | 132 | -2.1 | 9.0 | 5 | -11.0 | 1 | -17.6 | 1 | 12 | - | - | 4.3 | 24 |
| Farkasgyepű | - | -1.2 | 8.0 | 8 | -12.1 | 2 | -14.9 | 2 | 60 | +17 | 140 | 28.8 | 24 |
| Mencshely | 124 | -1.6 | 7.8 | 6 | -11.5 | 1 | -15.0 | 1 | 16 | -24 | 40 | 5.0 | 23 |
| Sümeg | - | -0.4 | 9.6 | 28 | -12.9 | 1 | -14.4 | 1 | 16 | -18 | 47 | 8.5 | 24 |
| Tihany | - | 0.0 | 8.5 | 7 | -11.1 | 1 | -12.0 | 1 | 6 | -27 | 18 | 2.8 | 25 |
| Zirc | - | -2.3 | 6.5 | 4 | -16.0 | 1 | -18.8 | 1 | 36 | -11 | 77 | 18.4 | 24 |
| Fonyód | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Homokszentgyörgy | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Marcali | - | 0.3 | 10.0 | 28 | -11.0 | 1 | -10.2 | 1 | 33 | -9 | 79 | 23.7 | 24 |
| Somogyszob | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tab | - | -0.6 | 9.0 | 28 | -13.5 | 1 | -14.4 | 1 | 13 | -24 | 35 | 11.1 | 24 |
| Bábolna | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Esztergom kertváros | - | -2.0 | 7.0 | 28 | -17.2 | 1 | -19.2 | 1 | 8 | -21 | 28 | 2.5 | 24 |
| Kisbér | - | -1.4 | 7.0 | 20 | -17.5 | 1 | -20.5 | 1 | 15 | -19 | 44 | 7.4 | 24 |
| Komárom | - | -1.2 | 6.6 | 28 | -14.0 | 2 | -15.6 | 2 | 19 | -16 | 54 | 8.3 | 17 |
| Tata | - | -2.1 | 7.0 | 28 | -19.5 | 1 | -22.2 | 1 | 13 | - | - | 5.7 | 24 |
| Alcsútdoboz | - | -2.0 | 7.6 | 7 | -18.5 | 1 | -18.6 | 1 | 7 | -27 | 21 | 3.1 | 24 |
| Dunaújváros Kisapostag | - | -2.0 | 8.0 | 28 | -16.4 | 1 | -17.0 | 1 | 11 | -20 | 35 | 4.7 | 24 |
| Martonvásár | - | -2.0 | 7.0 | 11 | -18.4 | 1 | -19.2 | 1 | 4 | -27 | 13 | 3.5 | 24 |
| Mór | - | -1.5 | 7.0 | 11 | -15.0 | 1 | -17.0 | 1 | 16 | -21 | 43 | 5.5 | 24 |
| Sárbogárd | - | -1.9 | 7.0 | 28 | -17.5 | 1 | -20.0 | 2 | 15 | -15 | 50 | 7.0 | 23 |
| Székesfehérvár | - | -1.9 | 6.8 | 28 | -15.0 | 2 | -16.5 | 4 | 8 | -25 | 24 | 5.0 | 24 |
| Iregszemcse | 90 | -1.7 | 8.0 | 28 | -15.6 | 1 | -17.0 | 1 | 14 | -20 | 41 | 10.2 | 24 |
| Lengyel | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nagykónyi | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Szekszárd | - | -1.6 | 7.0 | 28 | -13.0 | 1 | -15.0 | 1 | 7 | -30 | 19 | 4.2 | 24 |
| Pécs Árpádtető | - | -1.3 | 8.8 | 5 | -9.2 | 17 | -10.8 | 17 | 30 | -17 | 64 | 11.2 | 23 |
| Mohács | - | -1.7 | 7.0 | 20 | -16.0 | 1 | -19.8 | 1 | 8 | -26 | 24 | 4.0 | 24 |
| Siklós | - | -0.3 | 10.5 | 6 | -14.5 | 1 | -16.8 | 1 | 21 | -16 | 57 | 12.0 | 24 |
| Szigetvár | - | -0.6 | 9.9 | 6 | -13.6 | 1 | -14.9 | 1 | 36 | -3 | 92 | 19.6 | 24 |
| Bácsalmás | - | -1.2 | 8.9 | 7 | -15.0 | 1 | -15.6 | 1 | 8 | -27 | 23 | 3.2 | 23 |
| Izsák | - | -1.3 | 8.5 | 28 | -15.5 | 1 | -15.5 | 1 | 9 | -21 | 30 | 3.0 | 23 |
| Kalocsa | 76 | -2.5 | 7.0 | 28 | -16.6 | 1 | -17.5 | 1 | 9 | -22 | 29 | 3.5 | 23 |
| Kecskemét Obszervatórium | 90 | -2.1 | 7.3 | 20 | -12.0 | 1 | -17.3 | 1 | 10 | -18 | 36 | 5.9 | 23 |
| Kiskunfélegyháza | - | -1.1 | 7.0 | 20 | -12.0 | 1 | -14.0 | 1 | 15 | -16 | 48 | 7.7 | 15 |
| Kiskunhalas | - | -2.1 | 7.4 | 28 | -15.6 | 1 | -17.8 | 1 | 10 | -27 | 27 | 5.8 | 23 |
| Kunszentmiklós | - | -1.7 | 7.6 | 28 | -15.6 | 1 | -16.0 | 1 | 6 | -28 | 18 | 3.2 | 24 |
| Tiszakécske | - | -1.6 | 7.0 | 11 | -10.6 | 1 | -11.0 | 1 | 9 | -19 | 32 | 5.0 | 23 |
| Balassagyarmat | - | -2.6 | 7.3 | 11 | -14.8 | 1 | -17.0 | 1 | 11 | -24 | 31 | 4.7 | 24 |
| Romhány | - | -2.6 | 7.5 | 11 | -16.1 | 1 | -17.5 | 1 | 12 | -22 | 35 | 3.7 | 23 |
| Salgótarján | - | -2.4 | 8.7 | 11 | -14.6 | 1 | -18.8 | 1 | 20 | -9 | 69 | 4.4 | 20 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

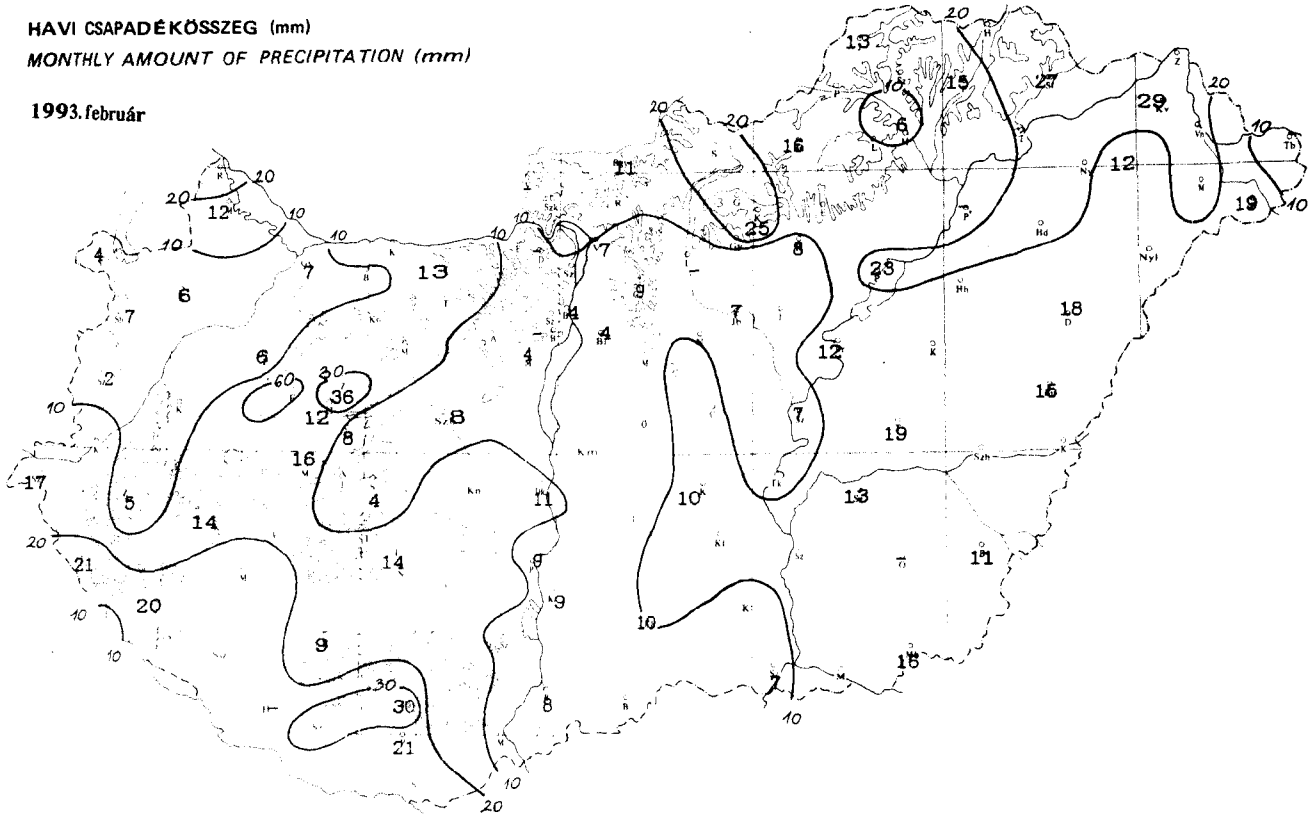
**1993. február**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum – *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum – *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | -1.6 | 6.2 | 3 | -9.5 | 23 | -12.4 | 1 | 9 | -32 | 22 | 2.9 | 24 |
| Ceglédd | – | -1.4 | 8.5 | 11 | -11.6 | 1 | -12.7 | 1 | 10 | -18 | 36 | 4.4 | 23 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 85 | -2.2 | 7.0 | 11 | -11.1 | 1 | -18.0 | 1 | 9 | -25 | 26 | 2.4 | 23 |
| Szokolya Királyrét | – | -2.6 | 8.2 | 11 | -16.8 | 1 | -21.1 | 1 | 18 | -27 | 40 | 4.4 | 17 |
| Monor | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykáta | – | -1.2 | 9.6 | 11 | -13.0 | 1 | -12.6 | 1 | 11 | -24 | 31 | 3.2 | 23 |
| Örkény | – | -1.5 | 7.6 | 11 | -14.5 | 1 | -15.1 | 1 | 8 | -23 | 26 | 2.7 | 23 |
| Szentendre | – | -1.0 | 9.1 | 11 | -12.0 | 1 | -14.5 | 1 | 9 | -28 | 24 | 3.0 | 23 |
| Vác | – | -1.9 | 9.0 | 11 | -15.5 | 1 | -16.5 | 1 | 7 | -26 | 21 | 2.9 | 24 |
| Vámosmikola | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Eger | – | -2.2 | 7.0 | 11 | -11.0 | 25 | -12.4 | 25 | 17 | -14 | 55 | 3.8 | 24 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | -1.9 | 9.2 | 11 | -12.5 | 1 | -14.2 | 1 | 9 | -20 | 31 | 3.0 | 17 |
| Kompolt | 78 | -2.2 | 8.0 | 11 | -11.5 | 17 | -14.4 | 17 | 8 | -22 | 27 | 2.6 | 24 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | -2.4 | 7.8 | 10 | -11.1 | 17 | -13.6 | 25 | 23 | -12 | 66 | 7.3 | 23 |
| Jászapáti | – | -1.3 | 8.2 | 11 | -9.8 | 1 | -12.5 | 1 | 8 | -23 | 26 | 2.1 | 17 |
| Jászberény | – | -1.7 | 8.0 | 11 | -11.4 | 1 | -13.7 | 1 | 7 | -22 | 24 | 2.1 | 24 |
| Karcag | – | -3.1 | 6.4 | 20 | -13.2 | 1 | -14.6 | 3 | 18 | -10 | 64 | 6.9 | 23 |
| Tiszaroff | – | -3.2 | 7.6 | 20 | -13.0 | 1 | -15.5 | 1 | 12 | -14 | 46 | 6.1 | 23 |
| Túrkeve | 76 | -2.4 | 7.9 | 20 | -12.0 | 1 | -16.1 | 1 | 19 | -11 | 63 | 10.1 | 23 |
| Kistelek | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Makó | – | -2.1 | 8.2 | 20 | -15.0 | 1 | -16.4 | 26 | 15 | -18 | 45 | 6.4 | 23 |
| Szentes | – | -1.7 | 7.0 | 20 | -12.5 | 1 | -15.0 | 1 | 12 | -17 | 41 | 6.4 | 23 |
| Borsodnádasd | – | -3.4 | 8.3 | 11 | -14.0 | 1 | -16.8 | 1 | 16 | -16 | 50 | 3.5 | 24 |
| Fúgöd | – | -3.3 | 5.0 | 20 | -14.0 | 1 | -16.0 | 1 | 15 | -13 | 54 | 4.8 | 6 |
| Hidasnémeti | – | -2.6 | 7.0 | 20 | -14.0 | 17 | -14.2 | 17 | 22 | -8 | 73 | 6.7 | 21 |
| Jósvafő | 90 | -2.4 | 9.0 | 11 | -12.3 | 1 | -16.0 | 1 | 13 | -18 | 42 | 4.2 | 21 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 71 | -3.4 | 6.5 | 10 | -13.5 | 1 | -15.0 | 1 | 27 | -5 | 84 | 6.4 | 21 |
| Szendrőlád | – | -2.7 | 8.5 | 11 | -15.0 | 17 | -15.7 | 17 | 11 | -18 | 38 | 2.5 | 6 |
| Tokaj | – | -2.2 | 5.7 | 20 | -10.5 | 17 | -10.5 | 17 | 20 | -14 | 59 | 7.3 | 6 |
| Kisvárda | 66 | -3.4 | 7.0 | 11 | -14.0 | 10 | -15.0 | 9 | 29 | -3 | 91 | 8.2 | 6 |
| Mátészalka | – | -3.3 | 7.0 | 11 | -13.4 | 17 | -14.6 | 17 | 26 | -7 | 79 | 10.2 | 6 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | -6.1 | 6.2 | 11 | -17.1 | 17 | -17.8 | 17 | 19 | -18 | 51 | 7.1 | 6 |
| Tiszabecs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vásárosnamény | – | -2.8 | 7.5 | 11 | -12.7 | 10 | -14.0 | 17 | 22 | -12 | 65 | 7.3 | 6 |
| Záhony | – | -2.2 | 8.8 | 11 | -11.5 | 17 | -12.0 | 17 | 29 | -5 | 85 | 5.8 | 17 |
| Berettyóújfalu | – | -3.4 | 5.6 | 20 | -13.6 | 1 | -14.6 | 1 | 15 | -17 | 47 | 6.7 | 6 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | -3.4 | 6.3 | 20 | -14.2 | 1 | -14.8 | 1 | 16 | -12 | 57 | 3.7 | 23 |
| Körösszakál | – | -3.8 | 6.2 | 28 | -14.2 | 1 | -14.7 | 1 | 15 | -18 | 45 | 6.4 | 6 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | -2.2 | 7.1 | 20 | -14.0 | 26 | -16.2 | 26 | 16 | -16 | 50 | 9.5 | 23 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 105 | -2.5 | 7.6 | 20 | -13.4 | 1 | -17.0 | 26 | 13 | -13 | 50 | 8.3 | 23 |
| Szeghalom | – | -2.9 | 7.3 | 28 | -13.4 | 2 | -13.6 | 2 | 11 | -18 | 38 | 3.8 | 23 |

**HAVI CSAPADÉKÖSSZEG (mm)**

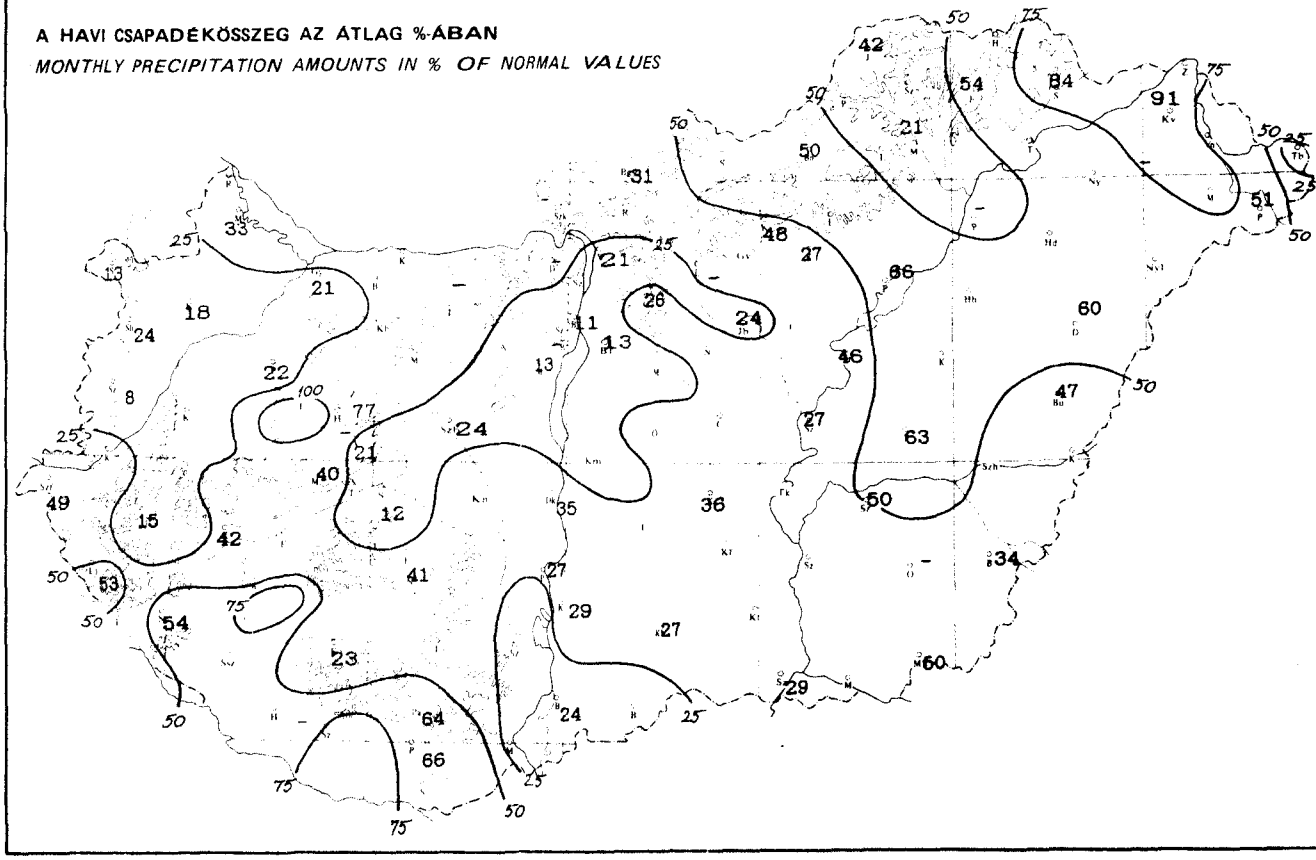
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993. február**



**A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN**

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály * Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 93.166

HU ISSN 0133 – 1582

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989
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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. március CXXIII. évf. 3. szám

Magyarország területén márciusban a szokásosnál hidegebb, napfényben szegény, az ország jelentős részén az átlagnál szárazabb volt az időjárás.

A napfénytartam az országban majdnem mindenütt elérte a sokévi átlag 75–90 %-át, ami 10–40 órás napfényhiányt jelentett, csupán az északnyugati, nyugati országrészben sütött az átlagosnál 5–15 órával többet a Nap. A legtöbb napsütést (156 óra) Sopron jelentette, a legkevesebbet (81 óra) Túrkeve környékén regisztrálták.

A márciusi középhőmérséklet a síkvidéki területeken igen széles határok között mozgott, 1,4 °C (Fűgöd) és 5,7 °C (Marcali) között alakult. A havi hőmérsékleti anomália az ország túlnyomó részén -0,4 és -2,1 között váltakozott. A hónap legmagasabb hőmérsékletét (+24,5 °C) Marcali térségében március 21-én mérték. A legalacsonyabb márciusi hőmérsékletet (-15,5 °C) 6-án Baján mérték, a legerősebb talajmenti fagyot (-19,0 °C) Szegeden regisztrálták.

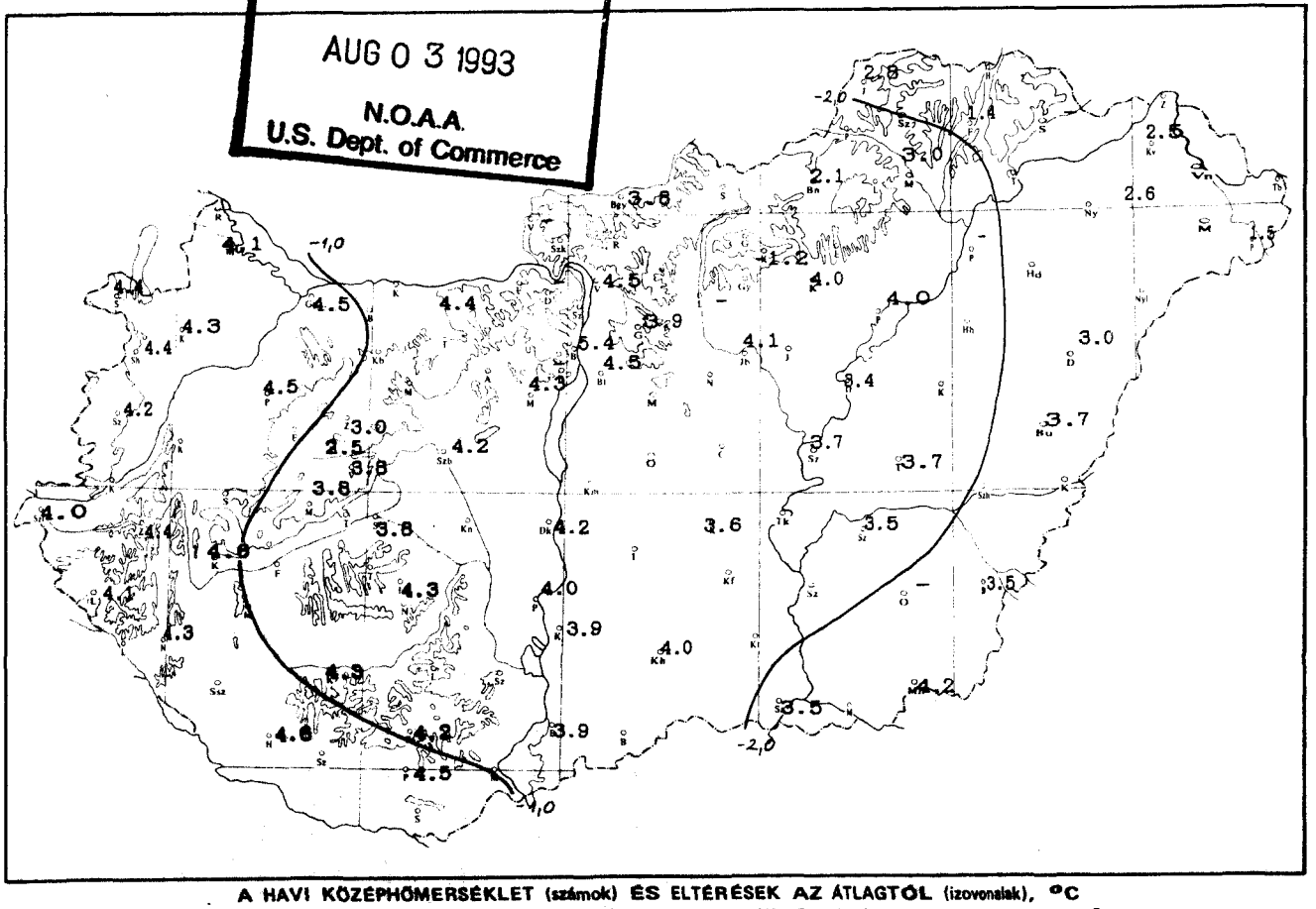
A márciusi csapadék területi eloszlása rendkívül szeszélyesen alakult, az Alföld jelentős területén a havi csapadékösszeg nemcsak megközelítette, hanem sokfelé meg is haladta a sokévi átlagot. A Dunántúl egyes területein is az átlagosnál bőségesebb csapadék hullott. Északkeleten a csapadékhozam a sokévi átlag 80 és 90 %-a között váltakozott. A Dunántúl nagyobb hányadán a csapadékösszeg átlagosan 30–50 %-kal az átlagos érték alatt maradt, sőt Zala és Somogy megyében ennél is nagyobb volt az elmaradás. A havi maximális csapadékösszeget (75 mm-t) Zirc jelentette, Veszprémben, valamint Gyöngyös térségében viszont összesen csak 12 mm-t mértek, sőt Székesfehérváron mindössze 11 mm-t regisztráltak. A 24 óra alatt hullott legnagyobb csapadékot (35,7 mm-t, 28-án) a zirci meteorológiai állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1019–1021 hPa között mozgott. A tengerszinti légnyomás maximuma (1032,5 hPa) 15-én Túrkevén, minimuma (997,2 hPa) Nyíregyházán március 28-án adódott.

A havi legerősebb széllökést (25,2 m/s-ot) március 19-én Budapesten regisztrálták.

Az idei március [illegible] napján sokfelé (de főként a Dunántúlon és a Duna-Tisza közén) 3–12 cm-es hótakaró borította a földeket.

REC'D IN ACQUISITIONS
AUG 0 3 1993
N.O.A.A.
U.S. Dept. of Commerce



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

**1993. március**

CSAPADÉK (mm) (0.0 = csapadéknyom)

*PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | 6.4 | 8.0 | 0.6 | 0.0 | 2.4 | 0.5 | . | . | . | 0.2 | . | . | . | . |
| Szombathely | . | 6.9 | 1.8 | 0.4 | 0.0 | 0.7 | 0.1 | . | . | . | 0.0 | . | . | . | . |
| Győr | . | 0.6 | 5.7 | . | 0.0 | 3.6 | 0.1 | . | . | . | . | . | . | . | 0.6 |
| Pápa | . | 1.3 | 3.0 | 0.0 | 0.0 | 5.6 | 0.0 | . | . | . | 0.2 | . | . | . | 0.0 |
| Veszprém | . | 1.1 | 3.2 | 0.0 | . | 1.5 | . | . | . | . | 0.2 | . | . | . | . |
| Keszthely | . | 9.0 | 2.0 | 0.0 | . | 1.7 | 0.0 | . | . | . | 0.0 | . | . | . | . |
| Siófok | . | 1.9 | 4.0 | . | . | 1.5 | . | . | . | . | 0.4 | . | . | . | . |
| Kaposvár | 0.0 | 6.4 | 5.1 | 0.1 | 0.0 | 2.2 | 0.0 | . | . | . | 0.0 | . | . | . | . |
| Zalaegerszeg | . | 8.8 | 2.3 | 0.1 | 0.0 | 0.5 | 0.1 | . | . | . | 0.3 | . | . | . | . |
| Szentgotthárd | . | 9.9 | 3.2 | . | . | 0.0 | 0.8 | . | . | . | . | . | . | . | . |
| Nagykanizsa | 0.0 | 8.7 | 2.4 | 0.3 | . | 0.9 | 0.0 | . | . | . | 0.0 | . | . | . | . |
| Pécs | 0.2 | 5.0 | 5.8 | 1.0 | 0.2 | 1.8 | 0.4 | . | . | . | . | . | . | . | . |
| Budapest KMI | . | 0.3 | 4.3 | 0.1 | 0.0 | 0.4 | 0.0 | . | . | . | 0.0 | . | . | . | 0.0 |
| Budapest KLFI | . | 0.3 | 4.3 | 2.1 | 0.0 | 0.6 | 0.2 | . | . | . | . | . | . | . | 0.1 |
| Paks | . | 1.2 | 14.7 | 0.8 | . | 0.0 | . | . | . | . | . | . | . | . | . |
| Baja | 1.1 | 4.8 | 8.6 | 0.6 | 0.0 | 0.0 | 0.1 | 0.0 | . | . | . | . | . | . | . |
| Szeged | . | 2.0 | 10.6 | 0.8 | 0.1 | . | . | 0.0 | . | . | . | . | . | . | . |
| Szolnok | . | 0.3 | 3.8 | 0.3 | 0.0 | . | . | . | . | . | 0.0 | . | . | . | 0.7 |
| Kékestető | . | . | 1.4 | 1.1 | 0.1 | 0.2 | 0.0 | . | . | . | 0.0 | . | . | . | 0.6 |
| Miskolc | . | . | 0.4 | 0.0 | . | . | . | . | . | . | . | . | . | . | 0.7 |
| Nyíregyháza Nap | . | . | 0.0 | 0.5 | . | . | . | . | . | . | 0.0 | . | . | . | 0.2 |
| Debrecen | . | . | 5.8 | 2.2 | 0.0 | . | . | . | . | . | . | . | . | . | . |
| Békéscsaba | . | 0.0 | 3.5 | 0.3 | 0.0 | . | . | . | . | . | 0.1 | . | . | . | . |

KÖZÉPHŐMÉRSÉKLET (°C)

*DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 0.9 | 0.5 | -1.3 | -3.9 | -5.1 | -0.9 | 1.5 | -0.4 | -0.8 | 1.6 | 4.4 | 3.6 | 4.9 | 6.1 | 5.1 |
| Szombathely | 0.3 | 0.4 | -0.7 | -3.9 | -5.5 | -3.0 | 1.6 | 0.1 | -0.5 | 1.9 | 3.4 | 4.5 | 4.4 | 4.9 | 6.1 |
| Győr | 1.8 | 1.7 | -0.1 | -3.2 | -4.0 | -3.1 | 1.9 | 0.7 | 0.2 | 1.5 | 3.3 | 2.8 | 3.7 | 5.4 | 5.5 |
| Pápa | 2.2 | 1.5 | -0.1 | -3.7 | -4.7 | -3.7 | 1.5 | 0.0 | -0.5 | 1.3 | 2.9 | 3.8 | 3.7 | 6.9 | 6.5 |
| Veszprém | 0.4 | 0.1 | -1.4 | -4.3 | -5.7 | -3.0 | 0.7 | -0.8 | 0.1 | 1.4 | 3.4 | 2.0 | 5.4 | 2.6 | 4.2 |
| Keszthely | 2.3 | 1.2 | 0.2 | -2.6 | -3.9 | -2.9 | 1.7 | 1.1 | 1.0 | 1.2 | 2.6 | 2.6 | 4.6 | 3.5 | 3.6 |
| Siófok | 1.1 | 0.5 | -0.3 | -2.4 | -3.4 | -2.1 | 1.2 | 0.5 | 0.8 | 0.3 | 1.9 | 0.5 | 3.1 | 2.1 | 2.1 |
| Kaposvár | 1.2 | 0.5 | -0.5 | -3.4 | -5.2 | -4.3 | 1.2 | 0.2 | 0.1 | 0.0 | 2.1 | 2.9 | 4.0 | 5.5 | 5.0 |
| Zalaegerszeg | 1.4 | 0.5 | -0.5 | -3.3 | -4.4 | -4.5 | 1.0 | 0.2 | 0.4 | 0.4 | 2.4 | 3.8 | 4.1 | 5.3 | 4.9 |
| Szentgotthárd | -0.1 | -0.3 | -1.1 | -3.4 | -5.1 | -2.9 | 1.1 | -0.1 | -0.4 | 0.3 | 2.3 | 3.5 | 4.3 | 5.4 | 5.7 |
| Nagykanizsa | 1.1 | 0.7 | -0.2 | -2.9 | -4.4 | -3.4 | 1.0 | 0.6 | 0.0 | -0.9 | 1.8 | 4.0 | 4.5 | 5.3 | 4.8 |
| Pécs | 1.7 | 0.1 | -1.0 | -3.3 | -5.1 | -4.3 | -0.5 | -1.3 | 0.4 | 0.6 | 2.9 | 4.3 | 6.1 | 6.3 | 6.8 |
| Budapest KMI | 2.5 | 3.6 | -0.2 | -1.8 | -2.7 | -1.9 | 1.3 | 2.0 | 2.6 | 3.5 | 5.3 | 4.7 | 5.1 | 3.3 | 5.7 |
| Budapest KLFI | 2.1 | 2.5 | -0.7 | -2.7 | -3.3 | -3.2 | 0.4 | 1.6 | 2.2 | 1.9 | 3.5 | 2.7 | 2.8 | 1.8 | 4.5 |
| Paks | 1.8 | 0.9 | 0.3 | -2.3 | -3.8 | -4.7 | 0.3 | 0.5 | 1.0 | -0.8 | 2.8 | 1.8 | 2.7 | 3.6 | 4.2 |
| Baja | 1.1 | 0.8 | -0.3 | -2.7 | -4.4 | -5.4 | -0.8 | -1.4 | -0.5 | -0.1 | 3.0 | 1.9 | 3.6 | 4.9 | 4.2 |
| Szeged | 2.0 | 0.6 | 0.2 | -2.7 | -4.9 | -7.2 | -2.6 | -1.4 | -0.6 | -1.0 | 2.3 | 2.2 | 2.9 | 3.0 | 4.1 |
| Szolnok | 0.0 | 0.7 | -0.7 | -3.3 | -3.6 | -4.5 | -1.6 | -0.6 | 0.7 | 1.1 | 2.5 | -0.3 | 0.5 | 1.8 | 2.8 |
| Kékestető | -3.1 | -3.6 | -6.7 | -9.6 | -10.5 | -8.3 | -6.5 | -7.3 | -5.5 | -2.5 | -0.9 | -1.9 | 1.2 | 1.9 | 1.9 |
| Miskolc | 0.2 | 1.1 | -1.2 | -4.4 | -4.3 | -3.5 | -1.4 | -1.4 | 0.3 | 2.5 | 0.4 | 0.5 | 1.0 | 0.4 | 2.6 |
| Nyíregyháza Nap | -0.9 | 0.4 | -1.3 | -4.3 | -4.8 | -4.3 | -2.6 | -2.4 | -0.1 | 0.8 | 0.2 | -0.1 | 1.1 | 0.0 | 2.7 |
| Debrecen | 1.5 | 2.0 | -0.5 | -3.7 | -3.7 | -5.6 | -3.2 | -1.3 | 0.4 | -0.2 | 0.4 | -0.1 | 1.7 | 0.3 | 3.0 |
| Békéscsaba | 1.0 | 0.5 | 0.0 | -3.3 | -3.7 | -5.9 | -2.7 | -1.0 | 0.7 | -0.4 | 0.8 | 1.5 | 2.8 | 1.1 | 3.4 |

NAPSÜTÉS (óra)

*DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 1.3 | 0.0 | 0.0 | 0.6 | 4.9 | 0.0 | 1.7 | 8.4 | 9.0 | 9.0 | 2.1 | 8.5 | 9.1 | 8.6 | 5.8 |
| Szombathely | 0.2 | 0.0 | 0.0 | 0.1 | 3.0 | 0.0 | 1.6 | 7.9 | 8.5 | 8.1 | 0.0 | 8.4 | 8.2 | 7.6 | 7.3 |
| Győr | 5.4 | 0.1 | 0.0 | 3.5 | 4.5 | 0.0 | 6.0 | 8.8 | 8.4 | 7.6 | 1.4 | 7.4 | 6.9 | 7.2 | 6.3 |
| Pápa | 2.8 | 0.4 | 0.0 | 1.7 | 3.9 | 0.0 | 2.0 | 8.6 | 8.7 | 8.0 | 0.5 | 8.1 | 7.3 | 8.0 | 8.5 |
| Veszprém | 1.3 | 0.0 | 0.0 | 3.5 | 6.4 | 0.0 | 0.0 | 7.1 | 6.6 | 8.8 | 1.6 | 5.8 | 8.7 | 3.8 | 5.5 |
| Keszthely | 1.9 | 0.0 | 0.0 | 4.9 | 5.1 | 0.0 | 0.8 | 8.0 | 8.7 | 7.4 | 1.2 | 8.1 | 8.3 | 5.2 | 4.8 |
| Siófok | 2.8 | 0.0 | 0.0 | 5.5 | 5.1 | 0.0 | 1.5 | 6.5 | 8.9 | 9.3 | 0.9 | 1.6 | 7.3 | 3.0 | 3.0 |
| Kaposvár | 2.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 1.4 | 6.5 | 8.9 | 9.1 | 3.4 | 7.7 | 7.9 | 8.1 | 5.6 |
| Zalaegerszeg | 0.6 | 0.0 | 0.0 | 4.7 | 2.5 | 0.0 | 2.3 | 8.4 | 9.4 | 9.6 | 1.4 | 9.3 | 9.5 | 9.2 | 8.1 |
| Szentgotthárd | 0.0 | 0.0 | 0.0 | 6.0 | 4.7 | 1.2 | 3.0 | 7.3 | 8.0 | 7.8 | 1.7 | 8.4 | 8.7 | 8.9 | 8.1 |
| Nagykanizsa | 0.3 | 0.0 | 0.0 | 6.2 | 4.5 | 0.0 | 0.9 | 7.7 | 7.5 | 9.0 | 3.4 | 7.7 | 7.8 | 7.8 | 8.2 |
| Pécs | 3.4 | 0.0 | 0.0 | 0.0 | 5.1 | 1.4 | 0.4 | 4.8 | 9.6 | 9.7 | 5.1 | 9.3 | 8.9 | 9.0 | 9.3 |
| Budapest KMI | 6.7 | 0.4 | 0.0 | 0.0 | 4.0 | 0.9 | 2.9 | 7.7 | 8.4 | 9.1 | 0.2 | 0.4 | 0.5 | 2.8 | 5.1 |
| Budapest KLFI | 7.6 | 0.6 | 0.0 | 0.0 | 4.2 | 2.6 | 2.7 | 6.9 | 9.0 | 8.7 | 2.2 | 3.1 | 2.0 | 3.1 | 5.1 |
| Paks | 5.3 | 0.0 | 0.0 | 0.0 | 4.1 | 0.1 | 4.1 | 3.3 | 9.0 | 8.0 | 1.4 | 3.0 | 5.8 | 5.4 | 6.4 |
| Baja | 2.7 | 0.0 | 0.0 | 0.0 | 3.4 | 3.8 | 5.4 | 2.4 | 9.0 | 8.4 | 3.6 | 4.1 | 6.0 | 9.2 | 7.3 |
| Szeged | 4.4 | 0.0 | 0.0 | 0.0 | 0.6 | 6.1 | 3.2 | 0.0 | 5.6 | 8.2 | 2.0 | 2.0 | 6.3 | 5.4 | 6.4 |
| Szolnok | 8.1 | 0.0 | 0.0 | 0.0 | 4.1 | 7.5 | 2.9 | 0.0 | 7.7 | 7.1 | 0.6 | 0.0 | 0.9 | 0.0 | 5.4 |
| Kékestető | 6.6 | 4.7 | 0.0 | 0.0 | 4.7 | 8.0 | 0.0 | 7.5 | 9.3 | 8.9 | 3.7 | 1.2 | 5.9 | 9.7 | 3.9 |
| Miskolc | 6.9 | 6.0 | 1.4 | 0.0 | 6.1 | 8.5 | 6.7 | 3.2 | 8.7 | 8.4 | 6.7 | 0.0 | 0.9 | 0.0 | 0.6 |
| Nyíregyháza Nap | 8.6 | 8.6 | 1.9 | 0.0 | 6.6 | 9.2 | 7.1 | 5.7 | 9.6 | 8.4 | 0.0 | 0.0 | 0.6 | 0.0 | 1.9 |
| Debrecen | 8.9 | 5.7 | 0.0 | 0.0 | 5.6 | 8.4 | 8.4 | 0.0 | 6.1 | 6.9 | 0.0 | 0.0 | 1.6 | 0.4 | 1.2 |
| Békéscsaba | 9.5 | 0.0 | 0.0 | 0.0 | 3.5 | 9.4 | 7.8 | 0.9 | 7.6 | 3.9 | 1.6 | 0.9 | 2.7 | 4.6 | 6.8 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. március

## CSAPADÉK (mm)

*PRECIPITATION (mm)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | 6.6 | . | . | . | . | . | 1.1 | 0.0 | 0.2 | 0.0 | 1.6 | 6.3 | 0.0 | 0.0 | . | 12805 |
| 0.6 | 2.1 | . | . | . | . | 0.8 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | . | 0.1 | . | 12812 |
| 1.1 | 8.8 | . | . | . | . | 0.0 | . | 0.0 | . | . | 0.6 | 5.4 | . | 0.0 | . | 12822 |
| 0.0 | 5.5 | . | . | . | . | . | 3.0 | 0.0 | . | . | 0.3 | 4.9 | . | . | . | 12825 |
| 0.4 | 2.1 | . | . | . | . | . | 1.1 | 0.0 | . | . | 0.5 | 2.2 | 0.0 | 0.0 | . | 12830 |
| . | 1.0 | . | . | . | . | . | 0.8 | 1.9 | . | . | 0.9 | 1.9 | . | . | . | 12920 |
| 1.3 | 1.9 | . | . | . | . | . | 3.7 | 0.0 | 0.0 | . | 1.2 | 0.2 | 0.0 | . | . | 12935 |
| . | 0.6 | . | . | . | . | . | 0.1 | 6.5 | 0.3 | 0.0 | 1.6 | 2.7 | 0.0 | . | . | 12930 |
| 0.3 | 2.7 | . | . | . | . | 0.0 | 3.0 | 2.6 | . | . | 0.0 | 0.0 | . | . | . | 12915 |
| . | 0.4 | . | . | . | . | 0.4 | 2.3 | 4.1 | 0.0 | 0.0 | . | . | . | . | . | 12910 |
| 0.0 | 0.2 | . | . | . | . | . | 0.8 | 4.4 | 0.2 | . | 0.1 | 0.3 | . | . | . | 12925 |
| . | 1.4 | . | . | . | . | . | 0.0 | 10.9 | 4.2 | . | 7.6 | 3.7 | 0.1 | . | . | 12942 |
| 0.0 | 1.1 | . | . | . | . | . | 0.2 | 0.0 | 0.0 | 0.0 | 3.5 | 5.7 | 0.2 | 0.0 | . | 12840 |
| 0.4 | 6.2 | . | 0.0 | . | . | . | 0.1 | 0.0 | 0.4 | 0.1 | 4.1 | 4.9 | 0.0 | 0.0 | . | 12843 |
| 0.1 | 4.9 | . | . | . | . | . | 3.0 | 3.8 | 0.7 | 0.0 | 8.3 | 0.5 | 0.1 | 0.0 | . | 12950 |
| 0.3 | 6.0 | . | . | . | . | . | . | 8.5 | 5.4 | 0.2 | 13.2 | 1.1 | 0.1 | 0.1 | . | 12960 |
| 0.0 | 2.5 | . | . | . | . | . | 1.4 | 4.7 | 0.5 | 0.0 | 14.8 | 1.6 | 0.4 | 0.0 | . | 12982 |
| 0.0 | 1.0 | . | . | . | . | . | 0.0 | 0.3 | 0.1 | . | 10.8 | 4.3 | 2.3 | 0.0 | . | 12860 |
| . | 0.5 | . | 0.0 | . | . | . | 0.0 | 1.3 | 6.2 | . | 8.1 | 12.0 | 5.4 | 0.0 | 0.8 | 12851 |
| . | 0.8 | . | . | . | . | . | . | . | . | . | 9.8 | 9.6 | 5.1 | 0.2 | . | 12772 |
| . | 0.5 | . | 0.0 | . | . | . | 0.0 | . | . | . | 14.4 | 5.7 | 2.8 | . | . | 12893 |
| . | 1.4 | . | . | . | . | . | 0.0 | 0.0 | . | 0.6 | 15.3 | 5.7 | 7.4 | . | . | 12882 |
| 0.5 | 1.0 | . | . | . | . | . | . | 1.2 | 0.0 | 0.4 | 16.1 | 6.9 | 1.3 | 0.3 | . | 12992 |

## KÖZÉPHŐMÉRSÉKLET (°C)

*DAILY MEAN TEMPERATURE (°C)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 10.5 | 15.7 | 11.8 | 11.0 | 11.2 | 14.3 | 13.8 | 8.1 | 4.7 | 2.7 | 1.4 | -1.1 | 0.7 | 1.8 | 4.0 | 12805 |
| 8.0 | 8.9 | 14.8 | 12.3 | 9.7 | 11.6 | 13.0 | 12.8 | 7.2 | 4.9 | 3.3 | 2.0 | 0.8 | 2.5 | 1.3 | 4.6 | 12812 |
| 8.4 | 9.7 | 14.5 | 10.4 | 9.0 | 9.7 | 12.7 | 14.0 | 9.0 | 7.2 | 4.6 | 2.8 | 0.5 | 1.8 | 1.8 | 4.1 | 12822 |
| 8.1 | 9.2 | 14.8 | 11.9 | 9.6 | 12.4 | 13.8 | 13.6 | 8.2 | 6.6 | 4.3 | 2.1 | 0.0 | 1.4 | 2.1 | 3.9 | 12825 |
| 8.1 | 8.5 | 13.4 | 11.2 | 9.3 | 12.5 | 13.7 | 13.1 | 7.4 | 6.2 | 3.9 | 1.4 | -0.6 | 0.3 | 1.4 | 3.4 | 12830 |
| 7.6 | 7.0 | 14.5 | 13.7 | 8.7 | 12.7 | 13.6 | 13.7 | 8.3 | 6.6 | 5.2 | 3.1 | 0.9 | 3.6 | 2.7 | 4.4 | 12920 |
| 5.8 | 5.7 | 9.5 | 9.8 | 8.0 | 9.2 | 12.0 | 12.1 | 8.5 | 7.4 | 5.7 | 4.0 | 2.1 | 2.8 | 3.7 | 4.2 | 12935 |
| 6.5 | 7.3 | 14.3 | 12.3 | 9.7 | 14.1 | 15.4 | 14.8 | 8.1 | 6.0 | 4.7 | 2.5 | -0.1 | 2.3 | 2.5 | 4.6 | 12930 |
| 6.4 | 7.5 | 13.0 | 12.2 | 9.5 | 12.3 | 13.5 | 13.8 | 8.2 | 5.7 | 3.8 | 2.1 | 1.6 | 3.0 | 1.8 | 4.4 | 12915 |
| 7.6 | 8.5 | 14.3 | 12.3 | 10.0 | 13.6 | 12.8 | 12.9 | 5.8 | 4.0 | 2.3 | 1.5 | 1.6 | 2.5 | 1.3 | 5.0 | 12910 |
| 5.7 | 7.8 | 12.6 | 13.0 | 9.1 | 12.9 | 14.0 | 14.6 | 7.8 | 5.6 | 4.3 | 2.6 | 1.4 | 3.6 | 1.7 | 4.8 | 12925 |
| 9.1 | 8.3 | 13.3 | 13.1 | 11.8 | 15.4 | 14.8 | 13.9 | 8.2 | 5.0 | 3.5 | 1.9 | -0.2 | 1.2 | 1.9 | 4.4 | 12942 |
| 8.9 | 9.6 | 14.1 | 11.4 | 10.4 | 12.5 | 14.4 | 14.4 | 10.3 | 8.3 | 5.5 | 3.3 | 1.6 | 1.9 | 2.5 | 3.8 | 12840 |
| 7.9 | 8.0 | 13.9 | 11.7 | 9.7 | 11.8 | 13.5 | 13.7 | 10.2 | 6.9 | 5.1 | 2.8 | 1.6 | 2.0 | 2.2 | 2.3 | 12843 |
| 5.7 | 7.2 | 14.1 | 11.7 | 7.3 | 10.3 | 13.4 | 14.5 | 8.9 | 6.6 | 4.7 | 2.6 | 1.2 | 2.3 | 1.9 | 2.5 | 12950 |
| 6.5 | 6.4 | 13.5 | 12.1 | 8.7 | 12.3 | 14.6 | 14.6 | 8.7 | 5.7 | 4.2 | 1.6 | 0.8 | 1.9 | 2.3 | 2.8 | 12960 |
| 5.8 | 6.0 | 12.1 | 11.3 | 8.8 | 11.5 | 13.8 | 14.2 | 9.0 | 6.2 | 4.8 | 1.4 | 1.2 | 1.9 | 1.8 | 2.8 | 12982 |
| 6.8 | 8.3 | 12.7 | 11.3 | 9.4 | 11.8 | 13.8 | 14.4 | 9.2 | 7.0 | 5.1 | 2.1 | 1.3 | 1.9 | 2.2 | 1.8 | 12860 |
| 2.5 | 3.6 | 5.9 | 3.3 | 2.9 | 8.7 | 10.8 | 9.1 | 2.7 | -0.9 | -2.9 | -5.0 | -3.5 | -4.2 | -5.0 | -4.2 | 12851 |
| 5.2 | 6.1 | 10.9 | 10.6 | 8.7 | 9.9 | 13.0 | 13.1 | 8.2 | 7.2 | 4.0 | 1.6 | 0.5 | 0.4 | 1.9 | 0.4 | 12772 |
| 4.7 | 6.5 | 9.5 | 7.2 | 6.8 | 8.5 | 11.2 | 13.2 | 8.1 | 6.5 | 3.5 | 2.8 | 2.5 | 1.8 | 1.8 | 2.3 | 12893 |
| 5.4 | 6.4 | 10.1 | 9.7 | 6.2 | 9.2 | 11.8 | 12.9 | 9.1 | 8.0 | 4.8 | 2.2 | 2.3 | 1.8 | 1.5 | 2.0 | 12882 |
| 5.7 | 6.6 | 11.8 | 10.7 | 7.4 | 10.9 | 14.3 | 14.8 | 9.5 | 7.3 | 5.3 | 2.2 | 2.0 | 1.8 | 1.5 | 2.2 | 12992 |

## NAPSÜTÉS (óra)

*DURATION OF SUNSHINE (HOURS)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.5 | 0.0 | 9.7 | 6.8 | 10.2 | 8.6 | 8.2 | 5.4 | 0.0 | 0.4 | 4.6 | 6.2 | 0.0 | 8.2 | 4.3 | 6.2 | 12805 |
| 3.0 | 0.0 | 7.2 | 9.3 | 9.4 | 6.0 | 6.5 | 4.4 | 0.0 | 0.0 | 0.2 | 0.9 | 0.0 | 2.9 | 0.2 | 8.1 | 12812 |
| 4.1 | 0.0 | 5.9 | 3.0 | 9.3 | 8.3 | 8.2 | 6.5 | 0.0 | 1.3 | 5.6 | 3.8 | 0.0 | 4.5 | 5.5 | 4.4 | 12822 |
| 5.0 | 0.0 | 7.8 | 7.7 | 9.9 | 7.5 | 7.6 | 5.4 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 3.1 | 5.3 | 3.3 | 12825 |
| 4.5 | 0.0 | 5.5 | 7.6 | 9.8 | 8.6 | 7.5 | 4.8 | 0.0 | 0.0 | 3.8 | 0.7 | 0.0 | 2.0 | 4.9 | 2.1 | 12830 |
| 6.0 | 0.0 | 7.6 | 8.2 | 10.2 | 8.2 | 6.0 | 6.1 | 0.0 | 0.0 | 1.4 | 1.6 | 0.0 | 6.9 | 4.8 | 5.3 | 12920 |
| 4.5 | 0.0 | 5.2 | 7.4 | 10.1 | 8.5 | 8.2 | 5.4 | 0.0 | 0.0 | 3.0 | 0.7 | 0.0 | 0.7 | 5.0 | 3.7 | 12935 |
| 6.0 | 0.0 | 7.0 | 8.8 | 9.8 | 8.0 | 7.2 | 5.5 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 6.1 | 3.8 | 2.3 | 12930 |
| 5.2 | 0.0 | 7.8 | 7.8 | 10.4 | 8.2 | 6.4 | 7.1 | 0.0 | 0.0 | 0.3 | 2.6 | 0.0 | 4.7 | 5.0 | 7.0 | 12915 |
| 4.6 | 0.0 | 7.4 | 8.1 | 10.4 | 8.1 | 6.7 | 7.9 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 5.7 | 3.6 | 7.5 | 12910 |
| 5.1 | 0.0 | 6.6 | 7.1 | 9.9 | 7.6 | 7.0 | 6.5 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 3.5 | 4.8 | 6.3 | 12925 |
| 6.6 | 0.0 | 7.0 | 6.5 | 10.4 | 9.5 | 6.9 | 6.4 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 4.5 | 3.9 | 7.5 | 12942 |
| 3.9 | 0.0 | 3.1 | 6.3 | 9.1 | 9.3 | 7.6 | 5.7 | 0.0 | 1.2 | 1.3 | 0.4 | 0.0 | 2.5 | 5.9 | 1.1 | 12840 |
| 3.5 | 0.0 | 2.2 | 7.1 | 10.3 | 9.1 | 8.6 | 5.8 | 0.0 | 0.9 | 1.5 | 0.0 | 0.0 | 1.0 | 6.6 | 0.3 | 12843 |
| 2.9 | 0.0 | 4.1 | 7.4 | 10.0 | 9.6 | 7.3 | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 2.3 | 3.3 | 12950 |
| 3.0 | 0.0 | 5.0 | 6.8 | 9.6 | 9.2 | 8.1 | 5.4 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.8 | 6.5 | 4.8 | 12960 |
| 1.8 | 0.0 | 2.2 | 6.2 | 9.6 | 10.4 | 8.5 | 7.8 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 7.2 | 5.4 | 12982 |
| 4.9 | 0.3 | 3.8 | 6.4 | 7.7 | 9.7 | 9.2 | 7.4 | 0.0 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 5.9 | 4.7 | 12860 |
| 1.1 | 0.6 | 1.3 | 6.5 | 9.5 | 9.5 | 9.1 | 8.4 | 0.0 | 0.1 | 5.2 | 0.0 | 0.0 | 0.0 | 5.7 | 2.8 | 12851 |
| 3.0 | 0.3 | 3.3 | 9.6 | 7.1 | 9.5 | 7.0 | 6.5 | 0.0 | 2.3 | 6.5 | 0.0 | 0.0 | 0.0 | 3.4 | 1.0 | 12772 |
| 2.7 | 0.0 | 1.3 | 7.3 | 8.5 | 10.0 | 8.2 | 4.7 | 0.0 | 1.1 | 1.2 | 0.0 | 0.0 | 0.0 | 3.9 | 5.1 | 12893 |
| 3.2 | 0.0 | 3.0 | 7.9 | 6.6 | 9.5 | 7.5 | 6.4 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 6.1 | 5.1 | 12882 |
| 2.6 | 0.9 | 4.3 | 4.4 | 8.5 | 10.2 | 9.8 | 7.3 | 0.0 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | 6.7 | 4.8 | 12992 |

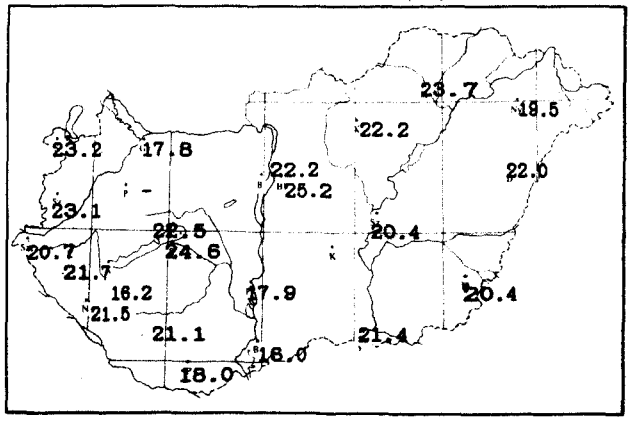
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

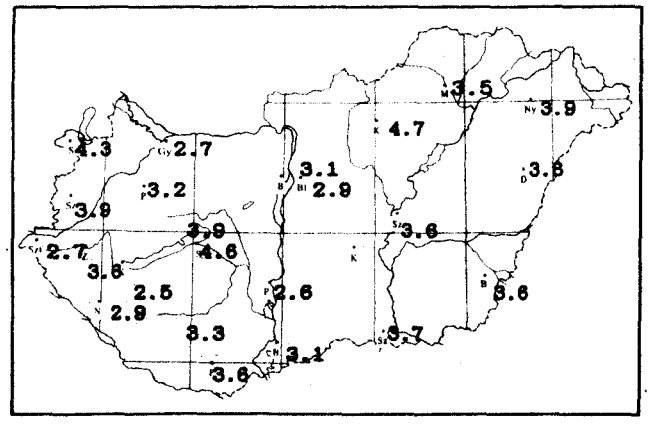
**1993. március**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 156 | - | 5 | 11 | 4.4 | - | 22.5 | 22 | -6.8 | 5 | 0 | 0 | 17 | 3 | 0 | 22 |
| Szombathely | 224 | 119 | -17 | 5 | 9 | 4.2 | -0.4 | 22.4 | 22 | -9.0 | 6 | 0 | 0 | 19 | 2 | 0 | 24 |
| Győr | 115 | 144 | +11 | 7 | 9 | 4.5 | -1.0 | 21.6 | 22 | -6.1 | 5 | 0 | 0 | 18 | 3 | 0 | 22 |
| Pápa | 140 | 133 | - | 6 | 11 | 4.5 | - | 21.7 | 21 | -6.6 | 5 | 0 | 0 | 18 | 3 | 0 | 19 |
| Veszprém | 302 | 121 | - | 4 | 10 | 3.8 | - | 22.0 | 21 | -8.0 | 5 | 0 | 0 | 18 | 4 | 0 | 21 |
| Keszthely | 117 | 137 | -11 | 3 | 10 | 4.6 | -1.0 | 23.4 | 21 | -6.2 | 5 | 0 | 0 | 15 | 3 | 0 | 21 |
| Siófok | 108 | 118 | - | 4 | 9 | 3.8 | - | 18.4 | 21 | -5.3 | 5 | 0 | 0 | 14 | 3 | 0 | 18 |
| Kaposvár | 144 | 130 | - | 6 | 10 | 4.3 | - | 23.0 | 21 | -10.9 | 6 | 0 | 0 | 20 | 3 | 1 | 24 |
| Zalaegerszeg | 188 | 148 | - | 5 | 14 | 4.4 | - | 23.3 | 21 | -10.2 | 6 | 0 | 0 | 20 | 4 | 1 | 24 |
| Szentgotthárd | 221 | 145 | - | 6 | 7 | 4.0 | - | 22.6 | 21 | -9.3 | 6 | 0 | 0 | 19 | 3 | 0 | 24 |
| Nagykanizsa | 160 | 136 | - | 5 | 9 | 4.3 | - | 23.3 | 21 | -8.7 | 6 | 0 | 0 | 19 | 2 | 0 | 24 |
| Pécs | 201 | 146 | +0 | 7 | 9 | 4.5 | -1.1 | 22.0 | 21 | -7.8 | 6 | 0 | 0 | 15 | 4 | 0 | 20 |
| Budapest KMI | 120 | 107 | -26 | 3 | 9 | 5.4 | -1.0 | 21.3 | 21 | -5.3 | 5 | 0 | 0 | 11 | 1 | 0 | 11 |
| Budapest KLFI | 140 | 115 | -22 | 2 | 11 | 4.5 | -1.1 | 21.3 | 22 | -8.2 | 6 | 0 | 0 | 15 | 1 | 0 | 24 |
| Pakse | 103 | 108 | - | 3 | 10 | 4.0 | - | 23.3 | 21 | -14.5 | 6 | 0 | 0 | 21 | 2 | 1 | 22 |
| Baja | 109 | 126 | - | 6 | 8 | 3.9 | - | 23.2 | 21 | -15.5 | 6 | 0 | 0 | 18 | 2 | 1 | 23 |
| Szeged | 82 | 110 | -32 | 2 | 9 | 3.5 | -2.1 | 23.0 | 21 | -13.9 | 6 | 0 | 0 | 20 | 3 | 1 | 21 |
| Szolnok | 85 | 106 | - | 1 | 10 | 3.7 | - | 22.5 | 21 | -9.6 | 6 | 0 | 0 | 17 | 2 | 0 | 22 |
| Kékestető | 989 | 138 | -5 | 4 | 8 | -1.2 | -1.2 | 14.6 | 22 | -12.5 | 5 | 0 | 0 | 22 | 15 | 4 | 24 |
| Miskolc | 233 | 118 | -10 | 2 | 12 | 3.0 | -1.4 | 19.4 | 22 | -8.9 | 6 | 0 | 0 | 19 | 2 | 0 | 22 |
| Nyíregyháza N | 150 | 124 | - | 3 | 13 | 2.6 | - | 20.2 | 22 | -8.6 | 6 | 0 | 0 | 19 | 2 | 0 | 21 |
| Debrecen | 114 | 109 | -37 | 3 | 11 | 3.0 | -2.1 | 21.0 | 22 | -11.6 | 6 | 0 | 0 | 19 | 3 | 1 | 22 |
| Békéscsaba | 84 | 120 | - | 2 | 11 | 3.5 | - | 22.4 | 21 | -10.8 | 6 | 0 | 0 | 21 | 2 | 1 | 21 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

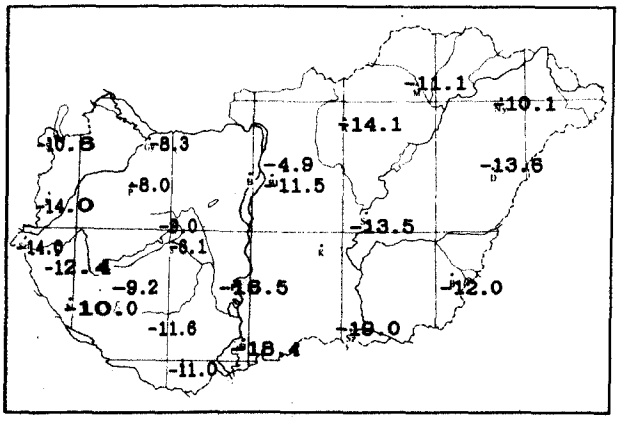
OBSERVATIONS OF MAIN STATIONS

**1993. március**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma *number of days* | | | | | | | | napok száma *number of days* | | | | | | | | |
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | *minimum (%)* | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog*, látás ⩽ 1000 m – *visibility ⩽ 1000 m* |
| 6.4 | 74 | 40 | 20 | 0 | 20 | 13 | 4 | 34 | -4 | 89 | 8.0 | 3 | 11 | 7 | 4 | 0 | 0 | 0 | 8 | 9 | 3 |
| 6.1 | 73 | 27 | 31 | 0 | 14 | 8 | 2 | 16 | -18 | 47 | 6.9 | 2 | 10 | 4 | 1 | 0 | 0 | 0 | 6 | 5 | 1 |
| 6.5 | 75 | 36 | 31 | 0 | 14 | 3 | 0 | 27 | -1 | 96 | 8.8 | 17 | 9 | 5 | 3 | 0 | 0 | 0 | 6 | 5 | 4 |
| 6.3 | 72 | 37 | 21 | 0 | 14 | 3 | 0 | 24 | -10 | 71 | 5.6 | 6 | 8 | 6 | 2 | 0 | 0 | 0 | 5 | 7 | 5 |
| 6.1 | 74 | 34 | 21 | 0 | 17 | 4 | 1 | 12 | -26 | 32 | 3.2 | 3 | 9 | 6 | 0 | 0 | 1 | 0 | 5 | 4 | 4 |
| 6.6 | 76 | 40 | 21 | 1 | 9 | 1 | 0 | 19 | -22 | 46 | 9.0 | 2 | 8 | 6 | 1 | 0 | 0 | 0 | 5 | 5 | 3 |
| 5.9 | 73 | 34 | 21 | 0 | 21 | 11 | 5 | 16 | -21 | 43 | 4.0 | 3 | 9 | 7 | 0 | 0 | 1 | 0 | 5 | 5 | 4 |
| 5.9 | 70 | 30 | 21 | 0 | 17 | 6 | 1 | 26 | -16 | 62 | 6.5 | 24 | 10 | 6 | 3 | 0 | 0 | 0 | 6 | 9 | 4 |
| 5.9 | 71 | 31 | 21 | 0 | 11 | 7 | 1 | 21 | -22 | 49 | 8.8 | 2 | 10 | 5 | 1 | 0 | 0 | 0 | 5 | 5 | 0 |
| 5.6 | 68 | 25 | 19 | 0 | 11 | 8 | 1 | 21 | -23 | 48 | 9.9 | 2 | 7 | 4 | 1 | 0 | 1 | 0 | 3 | 7 | 1 |
| 6.0 | 72 | 28 | 31 | 0 | 19 | 7 | 2 | 16 | -30 | 35 | 6.7 | 2 | 10 | 3 | 1 | 0 | 0 | 0 | 6 | 8 | 6 |
| 6.2 | 72 | 30 | 21 | 0 | 19 | 8 | 0 | 42 | +4 | 111 | 10.9 | 24 | 13 | 9 | 4 | 1 | 0 | 0 | 10 | 12 | 1 |
| 5.6 | 62 | 29 | 19 | 0 | 18 | 2 | 1 | 16 | -18 | 47 | 5.7 | 28 | 9 | 4 | 1 | 0 | 0 | 1 | 7 | 4 | 3 |
| 5.8 | 68 | 27 | 24 | 0 | 17 | 3 | 1 | 24 | -4 | 86 | 6.2 | 17 | 13 | 5 | 1 | 0 | 0 | 0 | 8 | 4 | 7 |
| 6.1 | 74 | 25 | 21 | 0 | 10 | 4 | 0 | 38 | +5 | 115 | 14.7 | 3 | 11 | 6 | 2 | 1 | 1 | 0 | 6 | 6 | 5 |
| 6.3 | 77 | 27 | 21 | 0 | 14 | 2 | 0 | 50 | +16 | 147 | 13.2 | 27 | 14 | 8 | 5 | 1 | 0 | 0 | 9 | 10 | 7 |
| 6.2 | 78 | 25 | 21 | 0 | 19 | 5 | 1 | 39 | +11 | 139 | 14.8 | 27 | 11 | 7 | 2 | 2 | 0 | 0 | 7 | 7 | 9 |
| 6.1 | 76 | 33 | 21 | 2 | 12 | 2 | 1 | 24 | -7 | 77 | 10.8 | 27 | 10 | 5 | 1 | 1 | 0 | 0 | 6 | 5 | 7 |
| 4.3 | 74 | 29 | 21 | 0 | 22 | 13 | 3 | 38 | -14 | 73 | 12.0 | 28 | 12 | 7 | 4 | 1 | 0 | 0 | 10 | 24 | 13 |
| 5.7 | 73 | 38 | 19 | 0 | 17 | 8 | 2 | 27 | -5 | 84 | 9.8 | 27 | 7 | 3 | 3 | 0 | 0 | 0 | 5 | 4 | 10 |
| 5.9 | 78 | 36 | 22 | 0 | 19 | 4 | 0 | 24 | - | – | 14.4 | 27 | 6 | 3 | 2 | 1 | 0 | 0 | 4 | 3 | 5 |
| 6.0 | 77 | 39 | 24 | 0 | 21 | 7 | 2 | 38 | +5 | 115 | 15.3 | 27 | 7 | 6 | 4 | 1 | 0 | 0 | 6 | 4 | 6 |
| 6.4 | 80 | 23 | 21 | 0 | 14 | 3 | 1 | 32 | -5 | 86 | 16.1 | 27 | 11 | 6 | 2 | 1 | 0 | 0 | 7 | 3 | 10 |

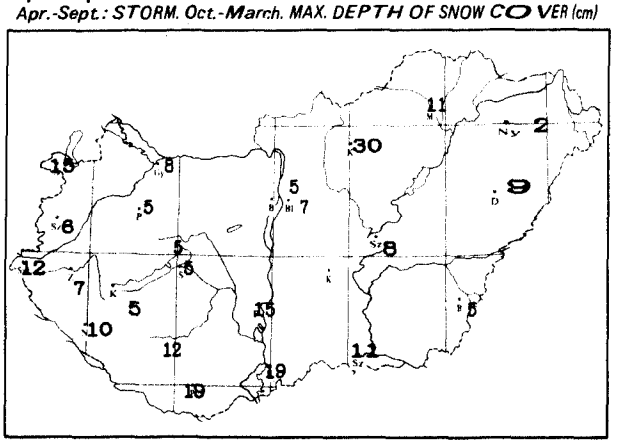
ABSZOLÚT RADIÁCIÓS MINIMUM (°C)

*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA

*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

1993.március

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | 129 | 4.3 | 21.5 | 22 | -6.0 | 5 | -8.2 | 6 | 23 | -13 | 64 | 7.0 | 17 |
| Mosonmagyaróvár | 134 | 4.1 | 20.2 | 22 | -6.2 | 5 | -8.4 | 5 | 20 | -12 | 63 | 7.8 | 28 |
| Rajka | - | 4.4 | 21.6 | 22 | -6.7 | 5 | -7.3 | 5 | 21 | -13 | 62 | 8.5 | 28 |
| Sopronhorpács | 137 | 4.4 | 22.5 | 22 | -6.6 | 5 | -7.8 | 5 | 29 | -6 | 83 | 6.3 | 17 |
| Káld | - | 5.6 | 21.8 | 21 | -6.2 | 5 | -7.3 | 5 | 21 | -22 | 49 | 6.3 | 2 |
| Körmend | - | 5.3 | 23.4 | 18 | -8.7 | 6 | -10.0 | 6 | 24 | -19 | 56 | 9.0 | 23 |
| Lenti | - | 4.1 | 24.0 | 21 | -12.0 | 6 | -13.0 | 6 | 14 | -36 | 28 | 5.0 | 2 |
| Letenye | - | 4.5 | 23.4 | 21 | -9.1 | 6 | -9.5 | 6 | 13 | -35 | 27 | 5.0 | 24 |
| Hárskút | 125 | 2.5 | 20.0 | 21 | -10.2 | 5 | -11.0 | 5 | 37 | - | - | 8.1 | 17 |
| Farkasgyepű | - | 3.1 | 21.0 | 21 | -6.8 | 10 | -9.2 | 6 | 38 | -5 | 88 | 8.7 | 28 |
| Mencshely | 138 | 3.8 | 21.2 | 21 | -8.0 | 5 | -9.5 | 4 | 28 | -15 | 65 | 7.8 | 2 |
| Sümeg | - | 5.4 | 23.6 | 21 | -6.8 | 6 | -8.3 | 6 | 27 | -18 | 60 | 6.1 | 2 |
| Tihany | - | 5.3 | 22.0 | 21 | -5.9 | 5 | -7.0 | 5 | 19 | -16 | 54 | 4.8 | 3 |
| Zirc | - | 3.0 | 21.2 | 21 | -9.3 | 10 | -13.5 | 10 | 75 | +29 | 163 | 35.7 | 28 |
| Fonyód | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Homokszentgyörgy | 119 | 4.6 | 23.0 | 21 | -9.5 | 6 | -11.5 | 6 | 42 | -5 | 89 | 12.0 | 24 |
| Marcali | - | 5.7 | 24.5 | 21 | -6.0 | 5 | -7.0 | 6 | 24 | -23 | 51 | 9.5 | 2 |
| Somogyszob | - | 4.6 | 23.2 | 21 | -9.8 | 10 | -11.2 | 6 | 20 | -20 | 50 | 7.4 | 24 |
| Tab | - | 5.3 | 22.9 | 21 | -5.1 | 5 | -7.9 | 5 | 46 | +7 | 118 | 13.8 | 23 |
| Bábolna | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Esztergom kertváros | - | 4.8 | 23.0 | 22 | -6.0 | 6 | -7.0 | 1 | 22 | -5 | 81 | 10.9 | 28 |
| Kisbér | - | 4.6 | 23.0 | 21 | -8.0 | 6 | -11.0 | 6 | 33 | +2 | 106 | 7.5 | 17 |
| Komárom | - | 5.0 | 22.6 | 22 | -5.5 | 6 | -7.8 | 6 | 24 | -7 | 77 | 9.2 | 28 |
| Tata | - | 4.4 | 21.0 | 22 | -7.1 | 5 | -8.4 | 5 | 37 | - | - | 16.3 | 28 |
| Alcsútdoboz | - | 4.2 | 22.5 | 21 | -7.8 | 6 | -8.2 | 6 | 19 | -10 | 66 | 6.8 | 3 |
| Dunaújváros Kisapostag | - | 4.2 | 21.8 | 21 | -10.0 | 5 | -14.5 | 5 | 31 | -1 | 97 | 9.1 | 27 |
| Martonvásár | - | 4.3 | 21.0 | 22 | -8.0 | 5 | -12.0 | 5 | 23 | -5 | 82 | 5.2 | 28 |
| Mór | - | 4.4 | 22.2 | 21 | -7.5 | 5 | -8.5 | 5 | 41 | +9 | 128 | 14.2 | 28 |
| Sárbogárd | - | 4.3 | 20.5 | 22 | -6.5 | 5 | -7.3 | 5 | 25 | -7 | 78 | 8.0 | 17 |
| Székesfehérvár | - | 4.2 | 22.0 | 21 | -6.6 | 5 | -9.0 | 10 | 11 | -21 | 34 | 2.8 | 6 |
| Iregszemcse | 113 | 4.3 | 21.8 | 22 | -7.0 | 6 | -11.2 | 6 | 37 | -1 | 97 | 6.9 | 23 |
| Lengyel | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nagykónyi | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Szekszárd | - | 4.3 | 22.0 | 21 | -7.5 | 6 | -11.0 | 6 | 42 | +5 | 114 | 8.0 | 28 |
| Pécs Árpádtető | - | 4.2 | 20.6 | 21 | -8.6 | 6 | -9.8 | 6 | 74 | +24 | 148 | 13.2 | 24 |
| Mohács | - | 4.8 | 23.0 | 21 | -10.0 | 6 | -12.0 | 6 | 45 | +10 | 129 | 10.3 | 24 |
| Siklós | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Szigetvár | - | 5.0 | 22.6 | 23 | -10.2 | 6 | -10.9 | 6 | 61 | +14 | 130 | 12.4 | 24 |
| Bácsalmás | - | 4.4 | 23.0 | 21 | -12.5 | 6 | -14.1 | 6 | 56 | +21 | 160 | 10.4 | 28 |
| Izsák | - | 4.6 | 23.5 | 21 | -8.5 | 6 | -10.0 | 6 | 47 | +14 | 142 | 12.7 | 3 |
| Kalocsa | 117 | 3.9 | 22.0 | 21 | -14.2 | 6 | -14.3 | 6 | 41 | +9 | 128 | 11.5 | 3 |
| Kecskemét Obszervatórium | 102 | 3.6 | 21.8 | 21 | -11.6 | 6 | -16.8 | 6 | 36 | +6 | 120 | 14.4 | 27 |
| Kiskunfélegyháza | - | 4.7 | 22.5 | 21 | -11.0 | 6 | -12.0 | 6 | 31 | -1 | 97 | 9.4 | 27 |
| Kiskunhalas | - | 4.0 | 23.6 | 21 | -11.4 | 6 | -17.2 | 6 | 46 | +9 | 124 | 8.3 | 27 |
| Kunszentmiklós | - | 4.7 | 21.9 | 21 | -10.0 | 5 | -11.6 | 5 | 30 | -3 | 91 | 8.2 | 3 |
| Tiszakécske | - | 3.9 | 21.5 | 21 | -9.5 | 6 | -9.8 | 6 | 23 | -7 | 77 | 10.6 | 27 |
| Balassagyarmat | - | 3.8 | 21.6 | 22 | -7.4 | 6 | -9.1 | 6 | 20 | -13 | 61 | 13.3 | 28 |
| Romhány | - | 3.6 | 21.8 | 22 | -9.7 | 6 | -10.7 | 6 | 25 | -6 | 81 | 13.3 | 27 |
| Salgótarján | - | 3.4 | 21.2 | 22 | -7.4 | 10 | -10.9 | 10 | 29 | -3 | 91 | 17.3 | 28 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

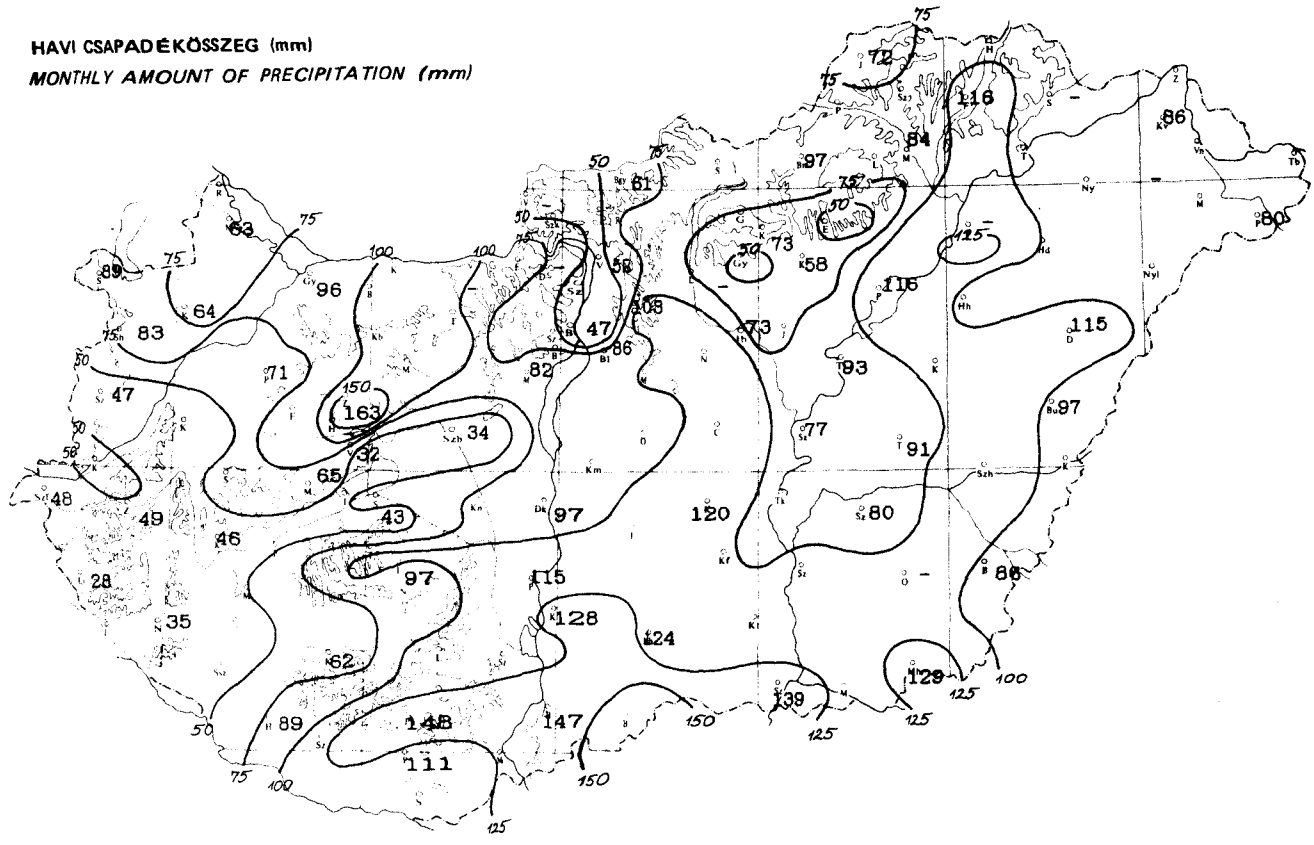
OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

**1993. március**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 2.9 | 18.5 | 22 | -8.6 | 6 | -10.5 | 5 | 35 | -3 | 92 | 11.6 | 28 |
| Cegléd | – | 4.1 | 22.5 | 22 | -9.6 | 6 | -12.4 | 6 | 36 | +6 | 120 | 13.8 | 27 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 111 | 3.9 | 20.5 | 22 | -8.2 | 6 | -13.5 | 6 | 34 | +1 | 103 | 11.8 | 27 |
| Szokolya Királyrét | – | 3.4 | 21.7 | 22 | -10.5 | 5 | -13.1 | 5 | 20 | -20 | 50 | 5.0 | 27 |
| Monor | – | 4.2 | 21.0 | 22 | -11.0 | 6 | -11.3 | 6 | 29 | +0 | 100 | 10.0 | 28 |
| Nagykáta | – | 4.2 | 22.4 | 22 | -9.6 | 6 | -10.0 | 6 | 36 | +1 | 103 | 11.2 | 27 |
| Örkény | – | 4.5 | 21.7 | 21 | -13.0 | 6 | -13.2 | 6 | 30 | -3 | 91 | 9.1 | 27 |
| Szentendre | – | 5.6 | 22.6 | 22 | -6.2 | 6 | -7.0 | 6 | 16 | -18 | 47 | 7.0 | 3 |
| Vác | – | 4.5 | 22.5 | 22 | -5.2 | 6 | -7.0 | 1 | 15 | -14 | 52 | 5.8 | 28 |
| Vámosmikola | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Eger | – | 3.2 | 18.4 | 23 | -9.5 | 6 | -10.0 | 6 | 17 | -18 | 49 | 9.6 | 28 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 4.6 | 21.4 | 22 | -8.5 | 6 | -10.4 | 6 | 12 | -17 | 41 | 6.8 | 28 |
| Kompolt | 109 | 4.0 | 20.3 | 23 | -8.5 | 6 | -10.0 | 6 | 19 | -14 | 58 | 10.4 | 28 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 4.0 | 21.0 | 23 | -8.9 | 6 | -10.3 | 6 | 37 | +5 | 116 | 14.1 | 28 |
| Jászapáti | – | 4.5 | 22.3 | 21 | -7.4 | 6 | -9.1 | 6 | 25 | -8 | 76 | 9.2 | 28 |
| Jászberény | – | 4.1 | 22.2 | 21 | -8.6 | 6 | -10.6 | 6 | 22 | -8 | 73 | 7.3 | 28 |
| Karcag | – | 3.5 | 22.0 | 21 | -12.3 | 6 | -13.6 | 6 | 31 | +1 | 103 | 13.0 | 27 |
| Tiszaroff | – | 3.4 | 22.1 | 21 | -9.0 | 6 | -10.5 | 6 | 27 | -2 | 93 | 13.0 | 27 |
| Törökeve | 81 | 3.7 | 22.5 | 21 | -10.5 | 6 | -16.2 | 6 | 31 | -3 | 91 | 14.1 | 27 |
| Kistelek | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Makó | – | 4.5 | 22.7 | 21 | -11.7 | 6 | -14.0 | 6 | 40 | +4 | 111 | 13.6 | 27 |
| Szentes | – | 4.1 | 22.0 | 21 | -10.5 | 6 | -12.0 | 6 | 36 | +6 | 120 | 16.5 | 27 |
| Borsodnádasd | – | 2.1 | 20.8 | 22 | -12.4 | 6 | -14.2 | 6 | 34 | -1 | 97 | 14.4 | 28 |
| Fugöd | – | 1.4 | 18.8 | 23 | -10.0 | 6 | -11.4 | 6 | 37 | +5 | 116 | 19.4 | 27 |
| Hidasnémeti | – | 2.7 | 20.0 | 22 | -10.1 | 6 | -10.4 | 6 | 36 | -1 | 97 | 18.2 | 27 |
| Jósvafő | 133 | 2.8 | 20.0 | 22 | -10.5 | 6 | -13.0 | 6 | 26 | -10 | 72 | 10.7 | 28 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szendrőlád | – | 3.3 | 21.0 | 23 | -13.0 | 6 | -14.0 | 6 | 27 | -8 | 77 | 10.0 | 28 |
| Tokaj | – | 3.5 | 19.5 | 23 | -8.1 | 6 | -8.3 | 6 | 33 | -6 | 85 | 13.9 | 27 |
| Kisvárda | 105 | 2.5 | 19.3 | 22 | -10.4 | 7 | -10.8 | 7 | 31 | -5 | 86 | 13.7 | 27 |
| Mátészalka | – | 3.4 | 20.6 | 22 | -11.0 | 7 | -12.2 | 7 | 29 | -8 | 78 | 15.2 | 27 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 1.5 | 18.8 | 22 | -14.2 | 7 | -15.3 | 7 | 32 | -8 | 80 | 10.8 | 27 |
| Tiszabecs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vásárosnamény | – | 3.3 | 20.5 | 22 | -10.2 | 7 | -11.0 | 7 | 36 | -2 | 95 | 15.2 | 27 |
| Záhony | – | 3.3 | 20.5 | 22 | -9.2 | 6 | -9.6 | 6 | 39 | -1 | 98 | 15.4 | 27 |
| Berettyóújfalu | – | 3.7 | 21.4 | 21 | -11.5 | 6 | -14.5 | 6 | 31 | -1 | 97 | 14.0 | 27 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 3.5 | 21.5 | 22 | -11.0 | 6 | -11.6 | 6 | 28 | -3 | 90 | 10.8 | 27 |
| Körösszakál | – | 3.5 | 21.7 | 21 | -12.4 | 6 | -12.9 | 6 | 35 | -2 | 95 | 16.2 | 27 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 4.2 | 21.1 | 21 | -11.1 | 6 | -13.0 | 6 | 45 | +10 | 129 | 16.7 | 27 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 100 | 3.5 | 22.8 | 21 | -11.2 | 6 | -15.8 | 6 | 24 | -6 | 80 | 13.6 | 27 |
| Szeghalom | – | 3.9 | 22.7 | 21 | -9.9 | 6 | -13.1 | 6 | 35 | +2 | 106 | 18.4 | 27 |

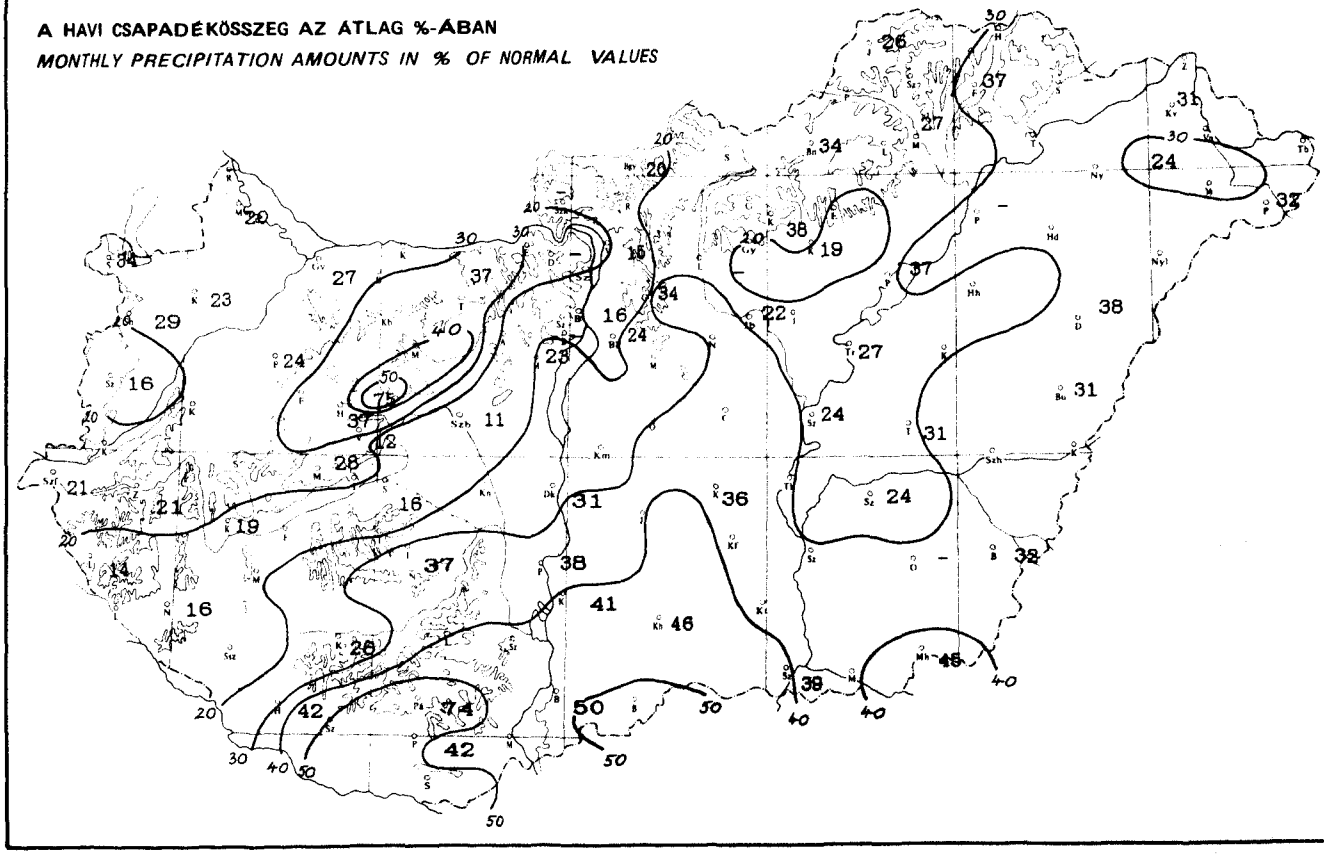
HAVI CSAPADÉKÖSSZEG (mm)

*MONTHLY AMOUNT OF PRECIPITATION (mm)*



A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz:
HU ISSN 0133 — 1582

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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT

BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. április CXXIII. évf. 4. szám

Az ország túlnyomó részén száraz, napfényben viszonylag szegényes, az átlag körüli hőmérsékletű volt az időjárás. Április első 20 napján az átlagosnál hidegebb, majd a hónap utolsó hetében nyáriasan meleg volt az idő.

Az áprilisi napfénytartam elérte a sokévi átlag 80–110 %-át. A legtöbb napsütést (214 óra) Budapesten mérték, a legkevesebb (148 óra) Szombathely térségében adódott.

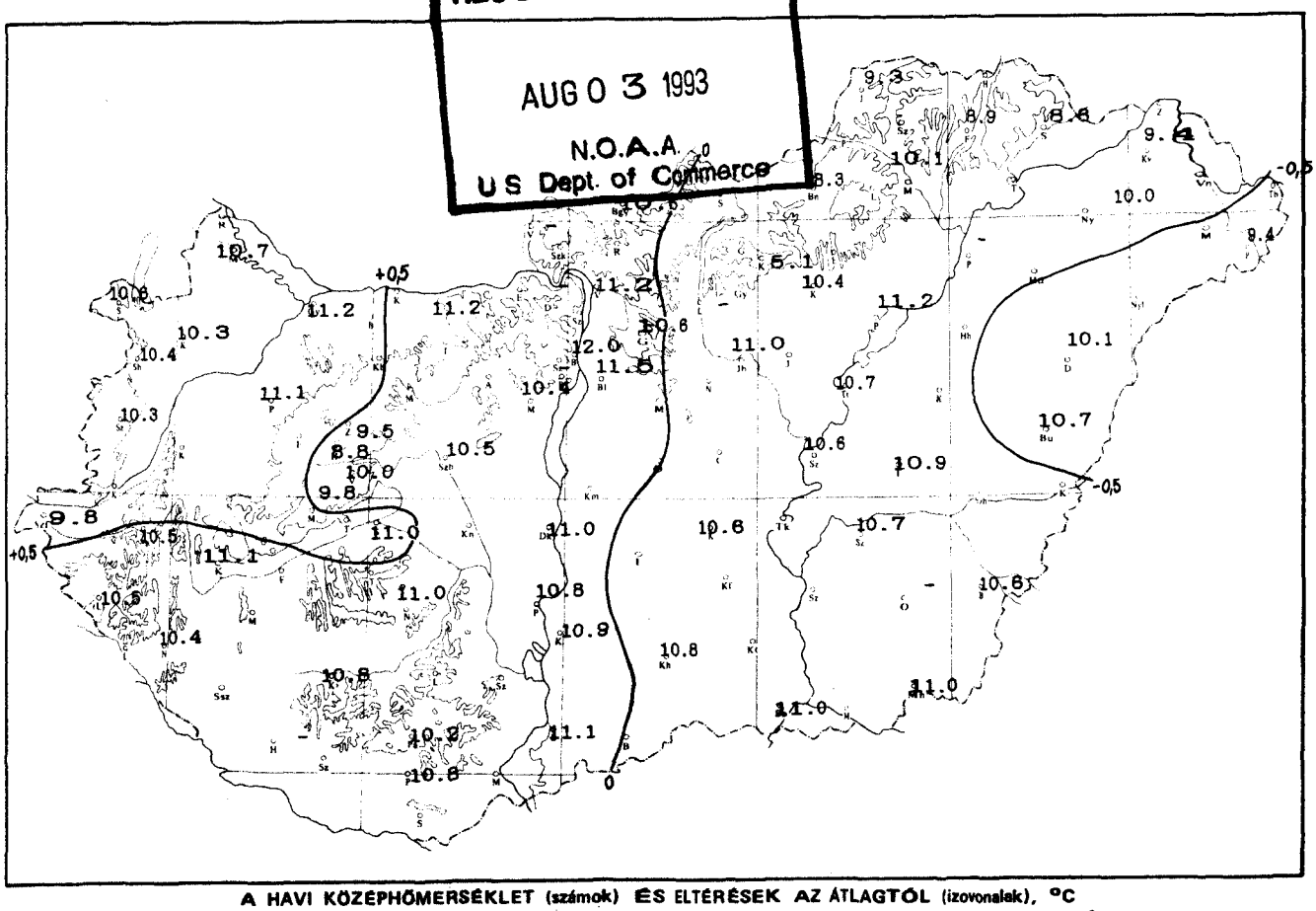
A havi középhőmérséklet a síkvidéki területeken 8,3 °C (Borsodnádasd) és 12 °C (Budapest) között váltakozott. A hónap legmagasabb hőmérsékletét (+29,0 °C) Záhonyban április 27-én észlelték. A legalacsonyabb hőmérsékletet (-6,9 °C) április 2-án Borsodnádasd környékén regisztrálták, a legerősebb talajmenti fagyot (-9,5 °C) Salgótarján jelentette - szintén április másodikán.

Az áprilisi csapadék területi eloszlása meglehetősen szeszélyes képet mutatott. Az ország keleti részén (főként az Alföldön) az átlagosnál több csapadék hullott. Ugyanakkor a Dunántúlon jelentős csapadékhiány adódott, pl. a Kisalföldön a havi csapadékösszeg az átlag egyharmadát sem érte el. A havi legnagyobb csapadékhozamot (82 mm) Mezőhegyesen mérték, a legalacsonyabb csapadékösszeget (7 mm!) Kisbér jelentette. A 24 óra alatt hullott legnagyobb csapadékot (33,0 mm-t) a pécsi meteorológiai állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1013 és 1014 hPa között mozgott. A tengerszinti légnyomás maximuma (1025,1 hPa) április 1-én Túrkevén, minimuma (1002,3 hPa) 7-én Miskolcon volt.

A havi legerősebb széllökést (22 m/s-ot) április 13-án Kaposváron regisztrálták.

REC'D IN ACQUISITIONS
AUG 0 3 1993
N.O.A.A.
U S Dept. of Commerce




A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C

THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:

Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

## OBSERVATIONS OF MAIN STATIONS

**1993. április**

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | . | 0.5 | 0.1 | . | 1.8 | 0.1 | 0.4 | . | . | 9.9 | 1.6 | 2.2 | 0.1 | . |
| Szombathely | . | . | 5.7 | 0.2 | . | 1.5 | 0.0 | 0.1 | . | . | 11.4 | 1.5 | . | . | . |
| Győr | . | . | 2.6 | 1.2 | 0.0 | 0.3 | 0.2 | 0.6 | . | . | 0.0 | 0.2 | 0.7 | 0.0 | 0.6 |
| Pápa | . | . | 0.3 | 0.5 | . | 2.0 | 0.3 | 0.5 | . | . | 1.2 | 1.4 | . | 0.0 | . |
| Veszprém | . | . | 1.6 | . | . | 1.8 | 0.3 | 0.0 | . | . | 1.2 | 1.0 | 5.4 | . | 1.8 |
| Keszthely | 0.0 | 0.0 | 8.4 | 0.2 | 0.0 | 1.0 | 3.4 | 0.4 | . | 0.2 | 5.5 | 2.7 | 1.9 | . | 3.2 |
| Siófok | . | . | 1.6 | . | . | 0.7 | 1.4 | 0.0 | . | . | 2.7 | 1.7 | 4.6 | . | 1.9 |
| Kaposvár | . | 0.3 | 2.7 | . | 0.1 | 3.6 | 2.1 | . | . | 0.0 | 8.5 | 0.1 | 6.2 | . | 10.4 |
| Zalaegerszeg | . | . | 4.4 | 0.0 | . | 1.2 | 4.2 | 0.4 | . | 0.4 | 8.3 | 0.8 | 1.7 | . | 1.5 |
| Szentgotthárd | . | . | 8.4 | 0.1 | . | 1.2 | 1.1 | . | . | 0.8 | 17.4 | 1.2 | . | . | 0.0 |
| Nagykanizsa | . | . | 8.2 | 0.5 | 0.3 | 2.1 | 4.1 | 0.1 | . | 1.5 | 7.4 | 3.9 | 5.3 | . | 7.5 |
| Pécs | 0.1 | 0.4 | 3.2 | . | . | 1.2 | 1.5 | . | . | 0.4 | 5.1 | 2.1 | 3.8 | 0.8 | 33.0 |
| Budapest KMI | . | . | 2.9 | 0.1 | . | 0.0 | 1.9 | . | . | . | . | . | 7.5 | 0.8 | 2.3 |
| Budapest KLFI | . | . | 1.3 | 0.0 | 0.0 | 0.0 | 0.3 | . | . | . | . | . | 7.0 | 0.3 | 7.5 |
| Paks | . | . | 4.4 | . | . | 1.8 | 4.8 | 0.0 | . | . | 5.8 | 1.4 | 4.9 | . | 21.2 |
| Baja | . | . | 3.1 | . | 0.0 | 3.1 | 2.1 | 0.0 | . | . | 6.6 | 7.7 | 2.8 | 0.4 | 23.1 |
| Szeged | . | . | 3.5 | . | 0.2 | 2.2 | 0.0 | 0.6 | . | . | 2.7 | 3.0 | 4.1 | . | 24.1 |
| Szolnok | . | . | 3.2 | . | 2.5 | 0.4 | 0.0 | 3.1 | . | . | 0.2 | 5.1 | 7.0 | 0.1 | 15.1 |
| Kékestető | . | . | 1.1 | 0.1 | 4.2 | 0.4 | 0.0 | 1.4 | . | 0.0 | . | 0.0 | 10.4 | 3.7 | 1.2 |
| Miskolc | . | . | 1.4 | 0.1 | 1.9 | 1.0 | . | 2.5 | 0.0 | . | . | . | 4.0 | 8.8 | 6.6 |
| Nyíregyháza Nap | . | . | 1.0 | 3.3 | 0.4 | 2.3 | 3.0 | 0.6 | 0.0 | . | . | 0.3 | 1.5 | 7.2 | 15.4 |
| Debrecen | . | . | 1.6 | 3.0 | 6.5 | 3.3 | 0.0 | 1.0 | 0.1 | . | 0.0 | 3.8 | 10.9 | 2.4 | 21.9 |
| Békéscsaba | . | . | 5.0 | . | 3.8 | 2.0 | 0.3 | 1.2 | 0.0 | . | 3.0 | 1.6 | 12.1 | 0.2 | 18.6 |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 5.4 | 6.1 | 6.2 | 7.6 | 8.4 | 6.7 | 8.7 | 6.7 | 6.8 | 5.0 | 4.0 | 4.9 | 8.0 | 10.2 | 9.0 |
| Szombathely | 5.8 | 5.6 | 5.5 | 6.6 | 7.9 | 7.4 | 8.8 | 6.9 | 7.5 | 4.9 | 4.5 | 5.0 | 7.6 | 9.9 | 8.7 |
| Győr | 5.3 | 6.7 | 6.8 | 7.3 | 9.1 | 8.6 | 8.8 | 8.3 | 6.9 | 4.9 | 6.3 | 7.4 | 9.2 | 10.3 | 9.5 |
| Pápa | 6.0 | 6.8 | 5.9 | 6.9 | 8.5 | 7.6 | 8.6 | 7.4 | 6.4 | 4.6 | 6.4 | 6.3 | 9.1 | 10.7 | 9.7 |
| Veszprém | 4.0 | 3.9 | 6.2 | 5.8 | 7.8 | 8.1 | 7.6 | 6.7 | 6.3 | 4.9 | 5.4 | 5.6 | 8.1 | 9.1 | 7.6 |
| Keszthely | 5.9 | 5.8 | 5.5 | 6.6 | 8.8 | 8.3 | 8.8 | 8.0 | 7.9 | 6.3 | 6.7 | 6.0 | 9.2 | 10.6 | 9.1 |
| Siófok | 5.6 | 4.8 | 5.4 | 7.0 | 8.5 | 8.2 | 8.5 | 8.4 | 7.9 | 6.6 | 7.2 | 6.9 | 8.9 | 10.8 | 9.0 |
| Kaposvár | 5.6 | 5.4 | 6.2 | 5.9 | 7.2 | 8.0 | 8.0 | 8.2 | 7.2 | 5.3 | 7.1 | 6.7 | 10.1 | 11.2 | 8.1 |
| Zalaegerszeg | 7.4 | 6.3 | 4.0 | 6.4 | 7.6 | 7.1 | 9.1 | 6.3 | 6.3 | 4.9 | 4.9 | 4.8 | 8.6 | 11.2 | 9.0 |
| Szentgotthárd | 6.7 | 4.9 | 3.8 | 5.4 | 7.1 | 6.7 | 8.2 | 7.4 | 6.3 | 5.1 | 3.7 | 4.0 | 7.1 | 9.5 | 7.9 |
| Nagykanizsa | 6.9 | 6.5 | 5.1 | 5.8 | 6.9 | 6.7 | 8.5 | 8.0 | 7.1 | 5.8 | 6.3 | 5.3 | 9.4 | 11.2 | 8.1 |
| Pécs | 5.6 | 4.7 | 6.5 | 5.3 | 7.2 | 9.3 | 7.4 | 7.9 | 7.3 | 6.8 | 6.7 | 7.6 | 9.7 | 11.2 | 8.0 |
| Budapest KMI | 4.9 | 6.4 | 8.3 | 7.7 | 10.0 | 10.1 | 8.4 | 7.9 | 7.6 | 5.4 | 7.0 | 8.6 | 10.6 | 10.2 | 9.5 |
| Budapest KLFI | 3.9 | 5.6 | 8.0 | 7.9 | 9.9 | 9.7 | 8.7 | 8.8 | 7.9 | 5.3 | 6.4 | 8.3 | 9.7 | 9.8 | 8.7 |
| Paks | 4.9 | 4.0 | 6.5 | 6.9 | 8.3 | 8.8 | 7.5 | 8.5 | 8.2 | 4.4 | 7.7 | 7.1 | 10.4 | 10.6 | 8.7 |
| Baja | 4.1 | 4.6 | 7.8 | 6.1 | 7.1 | 9.0 | 8.5 | 8.7 | 7.9 | 6.1 | 6.9 | 7.3 | 10.4 | 11.5 | 8.4 |
| Szeged | 3.7 | 5.6 | 9.4 | 6.5 | 6.4 | 9.7 | 9.0 | 8.9 | 7.8 | 5.6 | 7.3 | 7.1 | 10.3 | 11.5 | 8.3 |
| Szolnok | 3.2 | 5.3 | 7.9 | 8.3 | 7.5 | 9.3 | 9.0 | 8.3 | 7.9 | 4.6 | 5.6 | 6.3 | 9.2 | 9.7 | 8.1 |
| Kékestető | -2.7 | -0.2 | 1.7 | 1.5 | 2.4 | 2.4 | 1.9 | 1.2 | 1.7 | -1.6 | 0.1 | 1.8 | 2.3 | 2.8 | 3.4 |
| Miskolc | 3.1 | 5.1 | 6.9 | 7.2 | 7.1 | 6.6 | 7.7 | 6.6 | 6.6 | 3.8 | 3.9 | 6.6 | 6.7 | 7.9 | 7.8 |
| Nyíregyháza Nap | 4.1 | 5.6 | 7.8 | 7.4 | 6.6 | 7.8 | 7.8 | 6.7 | 5.8 | 3.7 | 4.8 | 6.0 | 6.9 | 6.6 | 7.0 |
| Debrecen | 3.6 | 6.4 | 9.2 | 8.4 | 5.8 | 8.4 | 8.6 | 7.1 | 6.7 | 4.4 | 5.5 | 5.8 | 6.5 | 8.9 | 8.4 |
| Békéscsaba | 3.4 | 5.0 | 8.5 | 7.7 | 6.8 | 9.6 | 9.2 | 7.3 | 7.5 | 4.8 | 6.1 | 7.1 | 9.1 | 10.6 | 7.9 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 3.1 | 2.9 | 6.4 | 4.3 | 9.7 | 0.9 | 7.4 | 5.7 | 6.7 | 5.8 | 0.0 | 0.1 | 3.1 | 8.0 | 0.0 |
| Szombathely | 0.7 | 0.0 | 1.2 | 3.2 | 5.6 | 1.7 | 3.5 | 4.9 | 8.2 | 5.6 | 0.0 | 0.0 | 6.0 | 4.1 | 0.0 |
| Győr | 9.6 | 9.1 | 6.2 | 0.1 | 8.8 | 3.5 | 5.0 | 2.6 | 1.7 | 9.0 | 0.0 | 0.0 | 1.8 | 4.8 | 0.0 |
| Pápa | 6.4 | 3.0 | 4.3 | 0.3 | 7.1 | 3.1 | 4.0 | 3.8 | 1.9 | 7.0 | 0.0 | 0.0 | 6.0 | 6.7 | 0.0 |
| Veszprém | 7.9 | 4.4 | 3.0 | 0.0 | 5.6 | 1.1 | 4.1 | 5.2 | 5.4 | 7.8 | 0.0 | 0.0 | 0.2 | 2.5 | 0.0 |
| Keszthely | 1.3 | 0.0 | 0.0 | 0.4 | 6.1 | 3.8 | 4.5 | 7.9 | 7.6 | 5.3 | 0.0 | 0.0 | 4.7 | 8.6 | 0.0 |
| Siófok | 8.0 | 1.0 | 2.4 | 0.5 | 4.4 | 2.9 | 3.4 | 5.2 | 5.1 | 9.4 | 0.0 | 0.3 | 6.7 | 7.4 | 0.0 |
| Kaposvár | 6.4 | 0.0 | 0.0 | 0.0 | 3.0 | 4.4 | 5.8 | 9.4 | 6.2 | 8.2 | 0.0 | 0.1 | 7.5 | 10.1 | 0.0 |
| Zalaegerszeg | 1.0 | 0.0 | 0.1 | 2.3 | 4.6 | 2.5 | 6.2 | 6.9 | 9.4 | 5.4 | 0.0 | 0.0 | 4.1 | 6.8 | 0.0 |
| Szentgotthárd | 5.7 | 0.0 | 0.0 | 2.6 | 4.4 | 1.5 | 7.5 | 7.9 | 9.2 | 5.2 | 0.0 | 0.0 | 3.7 | 3.6 | 0.0 |
| Nagykanizsa | 1.8 | 0.0 | 0.0 | 0.4 | 4.7 | 3.0 | 4.0 | 7.1 | 7.8 | 6.2 | 0.0 | 0.0 | 5.9 | 8.2 | 0.0 |
| Pécs | 10.1 | 0.0 | 0.0 | 1.8 | 3.2 | 6.0 | 5.3 | 9.9 | 7.1 | 9.7 | 0.0 | 1.8 | 8.2 | 10.3 | 0.0 |
| Budapest KMI | 9.2 | 9.8 | 8.6 | 0.0 | 4.0 | 3.6 | 3.5 | 2.6 | 10.3 | 10.3 | 3.8 | 0.1 | 2.3 | 3.5 | 0.0 |
| Budapest KLFI | 8.8 | 10.4 | 7.8 | 0.0 | 3.9 | 3.8 | 3.6 | 3.7 | 10.0 | 10.9 | 3.7 | 0.3 | 3.6 | 3.1 | 0.0 |
| Paks | 10.0 | 4.1 | 1.6 | 0.3 | 1.3 | 4.8 | 3.1 | 8.2 | 9.1 | 7.2 | 0.0 | 0.3 | 5.6 | 7.9 | 0.0 |
| Baja | 7.6 | 0.6 | 0.4 | 0.4 | 2.6 | 6.3 | 5.0 | 6.8 | 6.0 | 9.7 | 0.1 | 2.3 | 7.5 | 8.0 | 0.0 |
| Szeged | 8.2 | 7.6 | 1.6 | 0.3 | 0.7 | 3.8 | 4.0 | 7.6 | 3.9 | 7.9 | 0.4 | 1.1 | 7.0 | 5.3 | 0.0 |
| Szolnok | 8.2 | 10.3 | 8.0 | 1.3 | 0.7 | 1.9 | 6.6 | 7.3 | 6.5 | 7.0 | 7.0 | 1.2 | 3.6 | 2.2 | 0.0 |
| Kékestető | 8.3 | 8.1 | 6.5 | 0.7 | 0.7 | 1.7 | 3.8 | 3.9 | 5.4 | 5.4 | 9.3 | 3.4 | 0.5 | 1.1 | 0.4 |
| Miskolc | 10.0 | 7.3 | 8.9 | 0.4 | 1.5 | 0.0 | 6.8 | 3.0 | 2.1 | 7.4 | 7.3 | 3.9 | 0.0 | 2.5 | 0.2 |
| Nyíregyháza Nap | 10.2 | 8.4 | 8.4 | 0.0 | 0.0 | 0.0 | 6.0 | 2.5 | 0.0 | 7.4 | 10.1 | 1.0 | 0.0 | 0.0 | 0.1 |
| Debrecen | 9.5 | 10.4 | 8.1 | 1.1 | 0.0 | 1.0 | 5.7 | 3.5 | 1.3 | 3.3 | 7.3 | 0.0 | 2.3 | 3.5 | 0.3 |
| Békéscsaba | 9.6 | 8.9 | 7.1 | 1.1 | 0.6 | 4.3 | 6.3 | 4.9 | 4.2 | 10.7 | 7.0 | 0.0 | 3.2 | 4.9 | 0.0 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. április

## CSAPADÉK (mm)

*PRECIPITATION (mm)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | . | 0.2 | 2.9 | 0.0 | . | . | . | . | . | 0.9 | . | 0.0 | 0.1 | . | | 12805 |
| . | . | 0.1 | . | . | . | . | . | . | . | . | 0.0 | . | 0.0 | 0.3 | | 12812 |
| . | . | 1.2 | 1.4 | 0.0 | . | . | . | . | . | . | . | . | . | 1.0 | | 12822 |
| . | . | 0.9 | 1.7 | 0.0 | . | . | . | . | . | 6.5 | . | . | 0.0 | . | | 12825 |
| . | . | 0.0 | 0.3 | 0.0 | . | . | . | . | . | 0.0 | . | . | 1.1 | . | | 12830 |
| . | . | 0.0 | 0.1 | 0.1 | . | . | . | . | . | 0.0 | 0.5 | 0.0 | . | . | | 12920 |
| . | . | 0.0 | 0.1 | . | . | . | . | . | . | . | . | . | 3.6 | 0.4 | | 12935 |
| . | . | 0.0 | 0.0 | 0.0 | . | . | . | . | . | 0.0 | 0.0 | . | 0.0 | 0.1 | | 12930 |
| . | . | 0.0 | . | 0.4 | . | . | . | . | . | 0.0 | 0.0 | . | . | . | | 12915 |
| . | . | . | . | 0.0 | . | . | . | . | . | . | . | . | 9.1 | 0.0 | | 12910 |
| . | . | 0.0 | 0.1 | 0.0 | . | . | . | . | . | 0.0 | 0.0 | . | 1.8 | 0.0 | | 12925 |
| . | . | . | . | . | . | . | . | . | . | . | . | . | 0.4 | . | | 12942 |
| 0.0 | . | 0.3 | 0.7 | . | . | . | 0.0 | . | . | . | . | . | . | . | | 12840 |
| . | . | 0.1 | 0.0 | . | . | . | 1.7 | . | . | . | . | . | 0.0 | 0.0 | | 12843 |
| 0.1 | . | 0.0 | 0.1 | . | . | . | . | . | . | . | . | . | 6.5 | 0.0 | | 12950 |
| 0.2 | . | 0.0 | . | . | . | . | . | . | . | . | . | . | 1.1 | . | | 12960 |
| 0.9 | . | 0.0 | 0.0 | . | . | . | . | . | . | . | . | . | 1.0 | 0.0 | | 12982 |
| 0.8 | . | 0.2 | 0.0 | . | . | . | 0.2 | . | . | . | . | . | . | 0.7 | | 12860 |
| 0.1 | . | . | 0.3 | . | 0.0 | . | . | . | . | . | . | 0.0 | . | . | | 12851 |
| . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | | 12772 |
| .0.0 | . | 0.0 | 0.9 | . | . | . | . | . | . | . | . | . | . | . | | 12893 |
| 5.2 | . | 0.4 | 0.5 | . | . | . | 0.1 | . | . | . | . | 0.0 | . | . | | 12882 |
| 5.8 | 0.1 | 0.1 | 0.7 | . | . | 0.0 | . | . | . | . | . | . | 0.0 | . | | 12992 |

## KÖZÉPHŐMÉRSÉKLET (°C)

*DAILY MEAN TEMPERATURE (°C)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.6 | 9.2 | 11.6 | 14.2 | 9.2 | 12.9 | 14.2 | 16.0 | 17.4 | 17.6 | 16.0 | 17.6 | 16.7 | 16.8 | 15.8 | | 12805 |
| 10.1 | 8.6 | 10.3 | 14.1 | 10.0 | 11.7 | 14.0 | 14.8 | 15.8 | 17.0 | 15.9 | 16.5 | 15.6 | 16.3 | 14.4 | | 12812 |
| 10.1 | 8.7 | 11.4 | 12.7 | 10.4 | 11.9 | 15.6 | 17.7 | 18.8 | 19.0 | 17.3 | 17.9 | 17.6 | 18.0 | 14.7 | | 12822 |
| 9.8 | 7.5 | 10.8 | 13.1 | 9.8 | 12.0 | 16.7 | 17.4 | 18.7 | 19.8 | 17.3 | 18.9 | 17.5 | 17.5 | 15.3 | | 12825 |
| 9.1 | 7.5 | 10.5 | 12.5 | 9.4 | 10.9 | 13.4 | 16.8 | 16.7 | 16.5 | 14.6 | 16.5 | 17.8 | 16.5 | 14.4 | | 12830 |
| 10.5 | 9.2 | 10.4 | 13.8 | 11.7 | 12.3 | 14.7 | 15.6 | 17.9 | 18.4 | 16.4 | 17.3 | 16.8 | 17.1 | 17.1 | | 12920 |
| 10.4 | 9.6 | 10.1 | 12.8 | 11.3 | 12.9 | 13.6 | 16.0 | 17.2 | 17.6 | 15.8 | 17.3 | 18.1 | 17.6 | 16.2 | | 12935 |
| 10.0 | 8.0 | 10.1 | 13.9 | 11.2 | 12.6 | 15.6 | 16.7 | 17.1 | 17.7 | 15.0 | 17.0 | 17.0 | 15.4 | 15.9 | | 12930 |
| 10.2 | 7.2 | 9.5 | 13.4 | 11.0 | 12.6 | 16.2 | 15.4 | 14.9 | 17.5 | 17.5 | 17.1 | 15.2 | 15.3 | 16.0 | | 12915 |
| 10.3 | 7.4 | 9.7 | 13.1 | 9.4 | 12.5 | 14.9 | 15.6 | 16.1 | 17.0 | 16.6 | 13.7 | 15.0 | 14.0 | 14.0 | | 12910 |
| 10.1 | 7.7 | 9.6 | 12.7 | 10.3 | 12.3 | 15.3 | 14.9 | 15.4 | 16.9 | 16.5 | 15.5 | 15.3 | 15.1 | 16.5 | | 12925 |
| 9.6 | 7.8 | 10.5 | 13.3 | 11.6 | 12.2 | 15.9 | 17.2 | 16.9 | 16.4 | 14.6 | 17.5 | 17.4 | 17.0 | 15.8 | | 12942 |
| 11.7 | 9.5 | 11.7 | 13.0 | 11.5 | 12.9 | 15.9 | 18.3 | 19.6 | 19.0 | 18.4 | 18.4 | 20.3 | 19.1 | 17.5 | | 12840 |
| 11.0 | 8.5 | 9.6 | 12.8 | 11.9 | 11.5 | 15.2 | 17.6 | 18.5 | 18.1 | 17.5 | 18.4 | 19.6 | 18.4 | 17.3 | | 12843 |
| 10.2 | 8.2 | 9.2 | 14.0 | 11.6 | 11.4 | 14.7 | 16.1 | 17.4 | 16.9 | 17.2 | 16.8 | 16.6 | 15.8 | 16.4 | | 12950 |
| 9.2 | 7.8 | 9.6 | 13.9 | 11.7 | 11.7 | 15.8 | 17.9 | 17.5 | 17.5 | 16.8 | 18.2 | 18.2 | 16.4 | 16.6 | | 12960 |
| 7.8 | 7.2 | 10.4 | 13.4 | 11.9 | 12.0 | 16.3 | 18.1 | 17.7 | 16.2 | 16.0 | 17.1 | 17.8 | 15.5 | 15.9 | | 12982 |
| 7.9 | 7.5 | 10.0 | 13.4 | 11.9 | 10.1 | 13.8 | 16.5 | 16.8 | 16.2 | 16.7 | 17.3 | 18.0 | 16.0 | 15.6 | | 12860 |
| 1.2 | 1.0 | 5.1 | 5.4 | 4.0 | 4.6 | 9.4 | 12.7 | 12.9 | 12.5 | 12.9 | 14.6 | 14.6 | 12.1 | 12.2 | | 12851 |
| 7.2 | 6.9 | 9.6 | 12.5 | 9.7 | 9.4 | 12.7 | 16.6 | 17.4 | 17.4 | 17.8 | 18.2 | 18.9 | 16.9 | 16.7 | | 12772 |
| 6.4 | 7.0 | 9.2 | 11.2 | 9.2 | 9.3 | 13.2 | 16.4 | 18.0 | 17.8 | 17.6 | 18.6 | 18.2 | 17.3 | 17.6 | | 12893 |
| 6.5 | 6.6 | 8.4 | 11.6 | 9.9 | 9.4 | 13.0 | 16.4 | 16.8 | 16.8 | 16.4 | 16.7 | 18.1 | 17.3 | 16.3 | | 12882 |
| 6.9 | 6.6 | 10.4 | 12.5 | 11.2 | 10.7 | 14.2 | 17.6 | 16.6 | 16.9 | 16.5 | 17.6 | 17.6 | 16.2 | 16.1 | | 12992 |

## NAPSÜTÉS (óra)

*DURATION OF SUNSHINE (HOURS)*

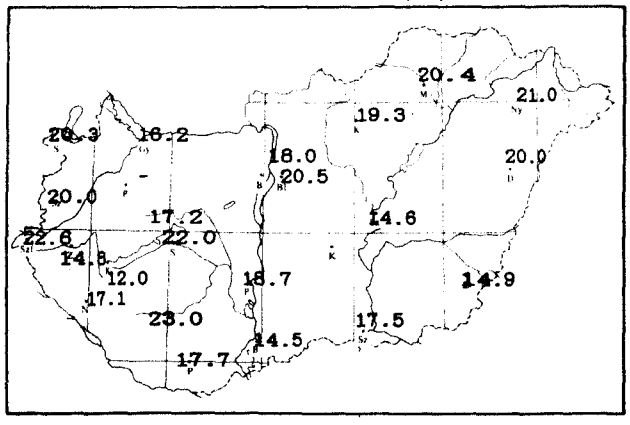
| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 8.4 | 3.5 | 3.0 | 0.2 | 8.6 | 8.3 | 10.2 | 12.1 | 10.5 | 0.3 | 11.8 | 10.5 | 9.2 | 9.9 | | 12805 |
| 10.1 | 7.4 | 3.8 | 1.9 | 3.0 | 5.4 | 9.5 | 10.3 | 11.2 | 8.3 | 1.1 | 7.7 | 9.0 | 7.3 | 7.0 | | 12812 |
| 9.7 | 10.8 | 6.2 | 0.1 | 2.4 | 8.4 | 8.9 | 10.2 | 11.4 | 11.0 | 3.2 | 12.3 | 10.6 | 10.9 | 7.2 | | 12822 |
| 9.7 | 10.8 | 5.7 | 0.2 | 2.1 | 6.5 | 9.4 | 11.6 | 11.5 | 10.3 | 0.0 | 9.3 | 11.8 | 11.0 | 5.5 | | 12825 |
| 3.2 | 10.5 | 4.4 | 2.8 | 2.9 | 8.4 | 8.8 | 11.2 | 10.5 | 10.4 | 2.0 | 7.4 | 11.2 | 11.2 | 8.3 | | 12830 |
| 8.8 | 10.9 | 6.4 | 1.1 | 3.3 | 8.6 | 9.2 | 11.7 | 11.9 | 11.0 | 0.3 | 4.1 | 11.8 | 10.6 | 8.9 | | 12920 |
| 7.1 | 11.3 | 5.8 | 2.6 | 1.0 | 10.5 | 8.7 | 11.3 | 10.4 | 10.7 | 2.1 | 6.8 | 11.5 | 11.1 | 9.8 | | 12935 |
| 7.5 | 9.8 | 6.9 | 1.2 | 2.6 | 10.5 | 8.7 | 11.9 | 11.9 | 11.4 | 0.8 | 6.5 | 10.8 | 9.4 | 9.1 | | 12930 |
| 10.7 | 9.5 | 4.0 | 1.3 | 3.8 | 7.7 | 9.0 | 12.2 | 12.0 | 9.2 | 1.8 | 3.2 | 9.8 | 8.4 | 11.2 | | 12915 |
| 10.6 | 7.2 | 6.5 | 0.1 | 4.6 | 8.2 | 9.4 | 11.3 | 12.1 | 7.7 | 1.9 | 0.2 | 9.2 | 7.4 | 9.4 | | 12910 |
| 10.4 | 10.7 | 6.2 | 0.0 | 3.8 | 11.7 | 9.2 | 11.4 | 11.6 | 9.8 | 2.8 | 1.0 | 10.2 | 8.2 | 6.8 | | 12925 |
| 4.8 | 5.9 | 8.2 | 0.9 | 1.2 | 12.3 | 10.1 | 9.4 | 11.6 | 11.3 | 0.5 | 5.7 | 10.4 | 10.4 | 10.8 | | 12942 |
| 5.4 | 6.4 | 7.3 | 2.5 | 7.7 | 10.9 | 9.1 | 10.4 | 10.4 | 12.2 | 9.3 | 11.3 | 10.6 | 12.0 | 9.8 | | 12840 |
| 3.7 | 4.9 | 7.3 | 3.4 | 10.3 | 12.0 | 8.5 | 9.8 | 11.4 | 12.1 | 10.8 | 12.7 | 11.6 | 11.5 | 10.9 | | 12843 |
| 2.2 | 5.9 | 7.4 | 1.8 | 3.8 | 12.3 | 6.6 | 9.5 | 11.6 | 11.5 | 6.4 | 4.5 | 11.9 | 9.3 | 10.1 | | 12950 |
| 0.1 | 4.3 | 8.7 | 0.0 | 0.5 | 12.2 | 9.2 | 10.1 | 11.4 | 11.5 | 6.7 | 8.2 | 11.6 | 9.5 | 11.0 | | 12960 |
| 0.5 | 6.8 | 9.4 | 0.0 | 3.5 | 12.1 | 10.3 | 6.1 | 11.1 | 12.2 | 9.8 | 5.2 | 11.6 | 7.9 | 8.4 | | 12982 |
| 0.0 | 6.0 | 9.8 | 0.7 | 11.8 | 11.9 | 7.9 | 8.0 | 11.6 | 11.4 | 11.0 | 12.0 | 11.6 | 9.9 | 10.5 | | 12860 |
| 1.2 | 9.2 | 8.8 | 0.2 | 10.8 | 11.5 | 9.0 | 12.3 | 11.4 | 11.7 | 12.4 | 12.0 | 9.4 | 11.7 | 11.3 | | 12851 |
| 0.0 | 7.0 | 9.0 | 5.0 | 10.9 | 11.5 | 6.9 | 10.6 | 11.4 | 11.9 | 12.3 | 11.1 | 11.2 | 10.8 | 11.9 | | 12772 |
| 0.0 | 0.8 | 10.6 | 4.1 | 9.9 | 12.0 | 9.6 | 11.1 | 10.3 | 11.5 | 11.9 | 11.1 | 8.9 | 11.0 | 11.6 | | 12893 |
| 0.0 | 0.0 | 10.2 | 2.7 | 9.5 | 10.5 | 8.0 | 9.7 | 12.2 | 11.9 | 12.4 | 11.6 | 9.9 | 11.7 | 11.4 | | 12882 |
| 0.0 | 0.0 | 10.8 | 0.0 | 11.2 | 12.6 | 10.6 | 9.9 | 10.8 | 12.7 | 12.8 | 12.3 | 12.2 | 10.4 | 9.5 | | 12992 |

# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

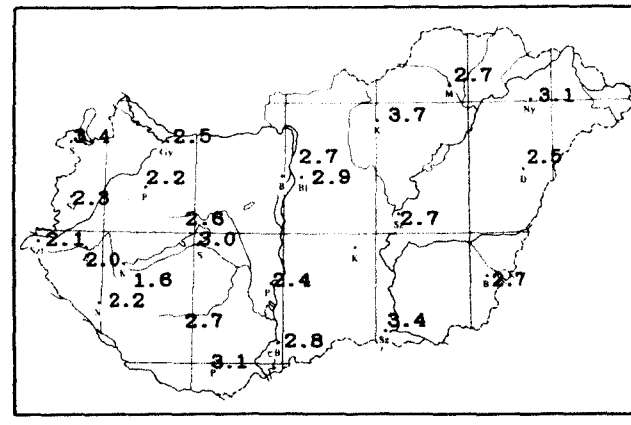
OBSERVATIONS OF MAIN STATIONS
**1993. április**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 178 | - | 2 | 11 | 10.6 | - | 24.9 | 25 | -0.1 | 10 | 0 | 0 | 1 | 0 | 0 | 4 |
| Szombathely | 224 | 148 | -29 | 1 | 7 | 10.3 | +0.8 | 24.8 | 25 | -2.2 | 3 | 0 | 0 | 2 | 0 | 0 | 10 |
| Győr | 115 | 186 | +0 | 3 | 5 | 11.2 | +0.7 | 26.3 | 28 | -2.0 | 3 | 0 | 4 | 2 | 0 | 0 | 6 |
| Pápa | 140 | 169 | - | 3 | 6 | 11.1 | - | 25.5 | 28 | -2.4 | 3 | 0 | 1 | 4 | 0 | 0 | 5 |
| Veszprém | 302 | 160 | - | 2 | 6 | 10.0 | - | 24.0 | 28 | -2.8 | 1 | 0 | 0 | 2 | 0 | 0 | 7 |
| Keszthely | 117 | 169 | -21 | 3 | 8 | 11.1 | +0.4 | 25.2 | 25 | 0.0 | 10 | 0 | 1 | 1 | 0 | 0 | 7 |
| Siófok | 108 | 177 | - | 2 | 5 | 11.0 | - | 26.0 | 28 | -0.8 | 3 | 0 | 3 | 1 | 0 | 0 | 3 |
| Kaposvár | 144 | 180 | - | 3 | 6 | 10.8 | - | 25.5 | 28 | -1.3 | 10 | 0 | 4 | 2 | 0 | 0 | 7 |
| Zalaegerszeg | 188 | 163 | - | 0 | 15 | 10.5 | - | 25.4 | 25 | -1.2 | 6 | 0 | 1 | 3 | 0 | 0 | 8 |
| Szentgotthárd | 221 | 157 | - | 4 | 6 | 9.8 | - | 23.2 | 24 | -1.6 | 3 | 0 | 0 | 2 | 0 | 0 | 11 |
| Nagykanizsa | 160 | 163 | - | 4 | 10 | 10.4 | - | 25.2 | 28 | -1.8 | 6 | 0 | 1 | 3 | 0 | 0 | 10 |
| Pécs | 201 | 187 | +0 | 4 | 7 | 10.8 | +0.1 | 23.7 | 28 | 0.7 | 10 | 0 | 0 | 0 | 0 | 0 | 5 |
| Budapest KMI | 120 | 207 | +27 | 5 | 6 | 12.0 | +0.2 | 26.5 | 28 | 0.1 | 1 | 0 | 4 | 0 | 0 | 0 | 0 |
| Budapest KLFI | 140 | 214 | +32 | 5 | 10 | 11.5 | +0.4 | 25.9 | 28 | -1.3 | 1 | 0 | 2 | 2 | 0 | 0 | 8 |
| Paks | 103 | 178 | - | 5 | 7 | 10.8 | - | 26.4 | 28 | -6.0 | 2 | 0 | 5 | 8 | 0 | 0 | 9 |
| Baja | 109 | 178 | - | 1 | 7 | 11.1 | - | 26.3 | 25 | -2.5 | 2 | 0 | 5 | 4 | 0 | 0 | 8 |
| Szeged | 82 | 174 | -6 | 4 | 6 | 11.0 | -0.1 | 25.7 | 28 | -3.2 | 2 | 0 | 2 | 4 | 0 | 0 | 9 |
| Szolnok | 85 | 206 | - | 7 | 8 | 10.8 | - | 25.7 | 27 | -2.8 | 1 | 0 | 3 | 4 | 0 | 0 | 7 |
| Kékestető | 989 | 202 | +27 | 5 | 6 | 5.1 | -0.1 | 19.6 | 27 | -5.9 | 1 | 0 | 0 | 9 | 0 | 0 | 14 |
| Miskolc | 233 | 203 | +26 | 11 | 7 | 10.1 | -0.3 | 24.9 | 27 | -2.2 | 11 | 0 | 0 | 3 | 0 | 0 | 4 |
| Nyíregyháza N | 150 | 189 | - | 8 | 8 | 10.0 | - | 26.4 | 28 | -2.8 | 1 | 0 | 1 | 3 | 0 | 0 | 7 |
| Debrecen | 114 | 189 | -2 | 7 | 9 | 10.1 | -0.6 | 26.4 | 28 | -2.9 | 1 | 0 | 3 | 2 | 0 | 0 | 5 |
| Békéscsaba | 84 | 209 | - | 8 | 9 | 10.6 | - | 26.0 | 28 | -3.3 | 2 | 0 | 2 | 5 | 0 | 0 | 7 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

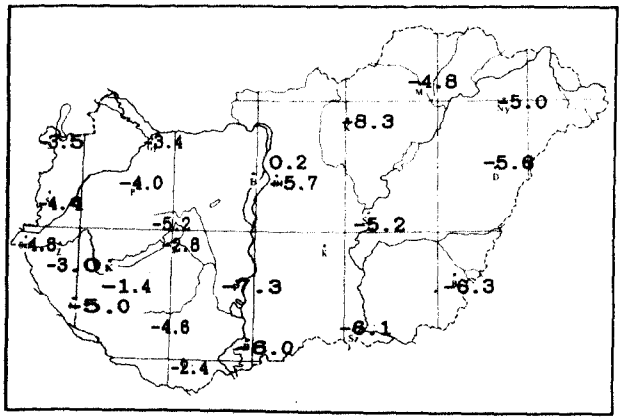
OBSERVATIONS OF MAIN STATIONS

**1993. április**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* napok száma *number of days* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | napok száma *number of days* | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | kód – *fog* látás ⩽ 1000 m – *visibility ⩽ 1000 m* |
| 9.1 | 70 | 34 | 24 | 0 | 18 | 9 | 1 | 21 | -29 | 42 | 9.9 | 11 | 13 | 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 8.3 | 67 | 28 | 24 | 0 | 11 | 2 | 1 | 21 | -19 | 53 | 11.4 | 11 | 8 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 8.2 | 62 | 23 | 25 | 0 | 13 | 3 | 0 | 10 | -28 | 26 | 2.6 | 3 | 11 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 8.9 | 67 | 40 | 28 | 0 | 13 | 3 | 0 | 15 | -28 | 35 | 6.5 | 26 | 10 | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 8.3 | 67 | 38 | 23 | 0 | 10 | 4 | 0 | 15 | -28 | 35 | 5.4 | 13 | 9 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 9.7 | 73 | 39 | 17 | 0 | 2 | 0 | 0 | 28 | -23 | 55 | 8.4 | 3 | 13 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 8.8 | 67 | 30 | 21 | 0 | 19 | 8 | 1 | 19 | -23 | 45 | 4.6 | 13 | 10 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 8.3 | 65 | 30 | 25 | 0 | 20 | 4 | 1 | 34 | -23 | 60 | 10.4 | 15 | 10 | 6 | 3 | 1 | 3 | 0 | 0 | 0 | 1 |
| 8.2 | 67 | 27 | 24 | 0 | 7 | 0 | 0 | 23 | -32 | 42 | 8.3 | 11 | 10 | 6 | 1 | 0 | 2 | 0 | 0 | 0 | 0 |
| 7.5 | 63 | 26 | 28 | 0 | 8 | 2 | 1 | 39 | -13 | 75 | 17.4 | 11 | 8 | 6 | 3 | 1 | 2 | 1 | 0 | 0 | 1 |
| 8.5 | 70 | 25 | 24 | 0 | 14 | 2 | 0 | 43 | -14 | 75 | 8.2 | 3 | 13 | 9 | 4 | 0 | 4 | 0 | 0 | 0 | 2 |
| 8.5 | 67 | 27 | 25 | 0 | 18 | 5 | 0 | 52 | -3 | 95 | 33.0 | 15 | 12 | 7 | 2 | 1 | 2 | 1 | 0 | 0 | 1 |
| 6.9 | 50 | 22 | 28 | 0 | 18 | 5 | 0 | 17 | -24 | 41 | 7.5 | 13 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7.2 | 54 | 19 | 28 | 0 | 14 | 5 | 1 | 18 | -20 | 47 | 7.5 | 15 | 7 | 4 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 8.1 | 65 | 23 | 28 | 0 | 8 | 3 | 0 | 51 | +3 | 106 | 21.2 | 15 | 10 | 8 | 3 | 1 | 3 | 1 | 0 | 0 | 0 |
| 8.4 | 65 | 22 | 21 | 0 | 10 | 0 | 0 | 50 | +0 | 100 | 23.1 | 15 | 10 | 8 | 3 | 1 | 3 | 0 | 0 | 0 | 0 |
| 8.2 | 64 | 29 | 28 | 0 | 19 | 5 | 0 | 42 | +1 | 102 | 24.1 | 15 | 10 | 7 | 1 | 1 | 2 | 0 | 0 | 0 | 2 |
| 8.3 | 66 | 29 | 20 | 0 | 13 | 0 | 0 | 39 | +1 | 103 | 15.1 | 15 | 13 | 6 | 3 | 1 | 2 | 0 | 0 | 0 | 4 |
| 5.6 | 65 | 19 | 26 | 0 | 15 | 3 | 0 | 23 | -41 | 36 | 10.4 | 13 | 10 | 6 | 1 | 1 | 1 | 0 | 6 | 6 | 13 |
| 8.3 | 66 | 36 | 20 | 0 | 13 | 3 | 2 | 26 | -14 | 65 | 8.8 | 14 | 8 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 5 |
| 7.8 | 66 | 22 | 26 | 0 | 11 | 4 | 1 | 46 | – | – | 15.4 | 15 | 12 | 8 | 3 | 2 | 1 | 0 | 0 | 0 | 3 |
| 8.4 | 68 | 34 | 27 | 0 | 15 | 5 | 2 | 61 | +19 | 145 | 21.9 | 15 | 14 | 10 | 4 | 2 | 2 | 1 | 0 | 0 | 2 |
| 8.5 | 69 | 23 | 26 | 0 | 11 | 0 | 0 | 55 | +11 | 125 | 18.6 | 15 | 14 | 9 | 4 | 2 | 4 | 1 | 0 | 0 | 4 |

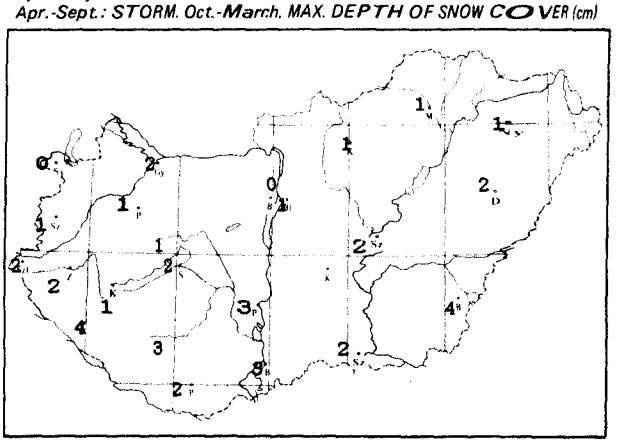
ABSZOLÚT RADIÁCIÓS MINIMUM (°C)

*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA

*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

**1993. április**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | 157 | 10.3 | 25.5 | 28 | -3.5 | 3 | -6.5 | 3 | 22 | -23 | 49 | 6.0 | 11 |
| Mosonmagyaróvár | 180 | 10.7 | 25.4 | 28 | -1.0 | 3 | -5.1 | 10 | 9 | -32 | 22 | 1.7 | 4 |
| Rajka | - | 11.1 | 26.5 | 28 | -1.5 | 1 | -2.0 | 1 | 11 | -26 | 30 | 4.1 | 11 |
| Sopronhorpács | 165 | 10.4 | 25.2 | 28 | -2.2 | 3 | -4.5 | 3 | 20 | -26 | 43 | 11.9 | 11 |
| Káld | - | 11.5 | 25.7 | 28 | 1.1 | 3 | -2.9 | 3 | 16 | -27 | 37 | 8.7 | 11 |
| Körmend | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Lenti | - | 10.5 | 26.2 | 25 | -1.6 | 10 | -2.6 | 17 | 31 | -29 | 52 | 9.5 | 11 |
| Letenye | - | 10.5 | 25.0 | 28 | -1.2 | 10 | -3.0 | 6 | 39 | -21 | 65 | 11.8 | 3 |
| Háromkút | 185 | 8.8 | 22.0 | 28 | -2.4 | 1 | -5.0 | 3 | 18 | - | - | 5.7 | 19 |
| Farkasgyepű | - | 9.7 | 25.1 | 24 | -3.0 | 1 | -3.7 | 1 | 34 | -27 | 56 | 9.6 | 26 |
| Mencshely | 170 | 9.8 | 23.6 | 24 | -1.0 | 3 | -2.8 | 3 | 31 | -20 | 61 | 5.7 | 15 |
| Sümeg | - | 11.6 | 26.9 | 24 | -1.1 | 3 | -2.8 | 10 | 15 | -39 | 28 | 3.9 | 11 |
| Tihany | - | 11.8 | 26.0 | 28 | 0.3 | 10 | -1.0 | 3 | 17 | -26 | 40 | 4.2 | 13 |
| Zirc | - | 9.5 | 23.5 | 28 | -3.3 | 3 | -5.5 | 3 | 14 | -46 | 23 | 6.5 | 19 |
| Fonyód | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Homokszentgyörgy | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Marcali | - | 12.0 | 26.6 | 24 | 1.0 | 1 | -2.5 | 1 | 37 | -18 | 67 | 9.0 | 15 |
| Somogyszob | - | 10.8 | 26.1 | 24 | -2.1 | 10 | -3.1 | 1 | 39 | -18 | 68 | 13.0 | 15 |
| Tab | - | 11.1 | 25.7 | 24 | 0.3 | 10 | -2.4 | 10 | 33 | -15 | 69 | 8.5 | 15 |
| Bábolna | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Esztergom kertváros | - | 11.2 | 28.0 | 28 | -3.5 | 2 | -6.0 | 2 | 14 | -27 | 34 | 6.0 | 13 |
| Kisbér | - | 11.4 | 27.0 | 27 | -2.5 | 3 | -3.5 | 3 | 7 | -38 | 16 | 3.2 | 3 |
| Komárom | - | 11.4 | 28.0 | 28 | -1.8 | 1 | -3.2 | 1 | 10 | -31 | 24 | 3.8 | 13 |
| Tata | - | 11.2 | 26.2 | 28 | -2.0 | 2 | -4.2 | 2 | 9 | - | - | 5.0 | 3 |
| Alcsútdoboz | - | 10.3 | 27.0 | 28 | -5.3 | 2 | -5.6 | 2 | 17 | -21 | 45 | 10.2 | 13 |
| Dunaújváros Kisapostag | - | 11.0 | 25.4 | 28 | -3.0 | 2 | -3.5 | 2 | 39 | +0 | 100 | 13.6 | 15 |
| Martonvásár | - | 10.4 | 26.1 | 29 | -4.8 | 2 | -5.2 | 2 | 19 | -20 | 49 | 9.1 | 13 |
| Mór | - | 10.6 | 25.5 | 28 | -1.5 | 2 | -3.5 | 3 | 18 | -28 | 39 | 6.9 | 13 |
| Sárbogárd | - | 10.9 | 26.5 | 24 | -1.0 | 2 | -3.2 | 2 | 25 | -17 | 60 | 9.2 | 15 |
| Székesfehérvár | - | 10.5 | 25.8 | 28 | -4.6 | 2 | -9.0 | 2 | 14 | -27 | 34 | 7.5 | 13 |
| Iregszemcse | 165 | 11.0 | 25.4 | 23 | -1.0 | 10 | -4.8 | 6 | 26 | -19 | 58 | 8.0 | 15 |
| Lengyel | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Nagykónyi | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Szekszárd | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Pécs Árpádtető | - | 10.2 | 22.4 | 24 | 1.4 | 1 | -0.4 | 10 | 63 | -4 | 94 | 25.8 | 15 |
| Mohács | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Siklós | - | 12.3 | 26.0 | 24 | -0.5 | 8 | -1.0 | 6 | 52 | -6 | 90 | 26.2 | 15 |
| Szigetvár | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Bácsalmás | - | 11.6 | 26.2 | 24 | -2.5 | 1 | -3.0 | 1 | 49 | -1 | 98 | 22.4 | 15 |
| Izsák | - | 11.2 | 26.5 | 28 | -3.0 | 2 | -4.0 | 2 | 43 | +1 | 102 | 21.1 | 15 |
| Kalocsa | 175 | 10.9 | 26.0 | 28 | -2.7 | 2 | -3.7 | 2 | 48 | +0 | 100 | 23.2 | 15 |
| Kecskemét Obszervatórium | 201 | 10.6 | 25.6 | 28 | -2.8 | 1 | -6.2 | 2 | 39 | -2 | 95 | 17.4 | 15 |
| Kiskunfélegyháza | - | 11.3 | 25.5 | 28 | 0.0 | 2 | -1.0 | 2 | 34 | -9 | 79 | 18.4 | 15 |
| Kiskunhalas | - | 10.8 | 25.6 | 28 | -2.4 | 2 | -5.5 | 2 | 53 | +1 | 102 | 21.3 | 15 |
| Kunszentmiklós | - | 11.2 | 27.2 | 28 | -2.7 | 2 | -4.7 | 2 | 33 | -7 | 83 | 15.2 | 15 |
| Tiszakécske | - | – | - | – | - | – | - | – | - | - | - | - | - |
| Balassagyarmat | - | 10.6 | 26.7 | 27 | -3.5 | 2 | -5.5 | 2 | 19 | -24 | 44 | 12.3 | 13 |
| Romhány | - | 9.8 | 27.0 | 28 | -5.3 | 2 | -7.0 | 10 | 16 | -25 | 39 | 11.4 | 13 |
| Salgótarján | - | 9.3 | 25.0 | 27 | -6.3 | 2 | -9.5 | 2 | 17 | -23 | 43 | 6.1 | 14 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

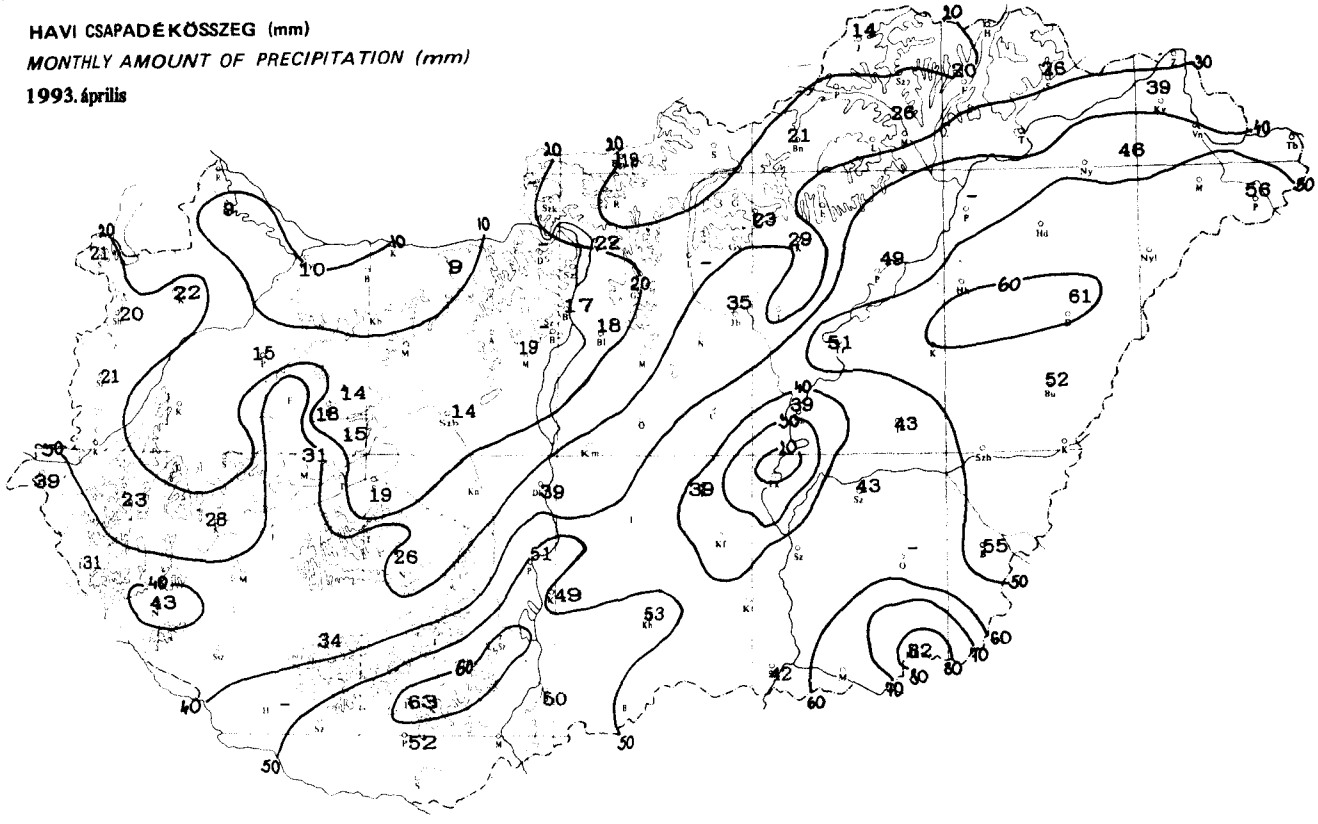
1993. április

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 9.5 | 24.6 | 28 | -2.1 | 10 | -5.2 | 1 | 19 | -29 | 40 | 11.3 | 13 |
| Ceglédd | – | 10.7 | 27.0 | 28 | -3.3 | 1 | -5.1 | 1 | 41 | +2 | 105 | 19.8 | 15 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 204 | 10.6 | 24.8 | 27 | -3.1 | 10 | -7.0 | 10 | 20 | -24 | 45 | 7.4 | 13 |
| Szokolya Királyrét | – | 9.0 | 25.2 | 28 | -6.0 | 1 | -8.2 | 1 | 25 | -23 | 52 | 12.4 | 13 |
| Monor | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykáta | – | 11.1 | 27.8 | 27 | -3.6 | 1 | -4.0 | 1 | 32 | -10 | 76 | 13.0 | 15 |
| Örkény | – | 11.3 | 27.5 | 28 | -2.8 | 2 | -3.4 | 2 | 31 | -10 | 76 | 16.5 | 15 |
| Szentendre | – | 11.7 | 28.5 | 28 | -2.0 | 1 | -2.0 | 1 | 17 | -25 | 40 | 9.0 | 13 |
| Vác | – | 11.2 | 27.0 | 28 | -4.2 | 2 | -6.0 | 2 | 22 | -19 | 54 | 11.2 | 13 |
| Vámosmikola | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Eger | – | 9.5 | 26.5 | 27 | -2.8 | 1 | -5.0 | 1 | 38 | -4 | 90 | 8.6 | 15 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 11.0 | 26.0 | 28 | -2.5 | 1 | -5.2 | 1 | 29 | -7 | 81 | 17.2 | 13 |
| Kompolt | 193 | 10.4 | 25.0 | 28 | -2.3 | 1 | -7.0 | 1 | 29 | -8 | 78 | 10.0 | 13 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 11.2 | 26.7 | 28 | -3.5 | 1 | -5.3 | 1 | 49 | +13 | 136 | 15.1 | 13 |
| Jászapáti | – | 11.2 | 27.3 | 28 | -2.0 | 1 | -3.5 | 1 | 27 | -9 | 75 | 11.7 | 13 |
| Jászberény | – | 11.0 | 25.9 | 28 | -3.6 | 1 | -5.0 | 1 | 35 | -3 | 92 | 14.1 | 13 |
| Karcag | – | 10.3 | 26.1 | 29 | -4.6 | 1 | -5.2 | 1 | 60 | +25 | 171 | 21.4 | 15 |
| Tiszaroff | – | 10.7 | 26.0 | 28 | -2.5 | 1 | -5.0 | 1 | 51 | +16 | 146 | 18.5 | 15 |
| Túrkeve | 169 | 10.9 | 27.2 | 28 | -2.2 | 1 | -4.3 | 1 | 43 | +7 | 119 | 16.5 | 15 |
| Kistelek | – | 11.6 | 27.5 | 28 | -2.8 | 2 | -4.9 | 1 | 45 | +2 | 105 | 24.9 | 15 |
| Makó | – | 11.2 | 26.3 | 28 | -2.5 | 2 | -4.8 | 2 | 62 | +18 | 141 | 20.5 | 15 |
| Szentes | – | 11.0 | 26.0 | 28 | -2.0 | 2 | -4.0 | 2 | 42 | +2 | 105 | 16.0 | 15 |
| Borsodnádasd | – | 8.3 | 26.0 | 27 | -6.9 | 1 | -9.1 | 1 | 21 | -22 | 49 | 5.3 | 14 |
| Fúgód | – | 8.9 | 26.0 | 28 | -3.2 | 1 | -5.0 | 1 | 20 | -20 | 50 | 4.2 | 8 |
| Hidasnémeti | – | 10.1 | 28.2 | 27 | -3.3 | 18 | -4.6 | 1 | 28 | -15 | 65 | 7.3 | 5 |
| Jósvafő | 203 | 9.3 | 24.7 | 28 | -4.2 | 11 | -5.0 | 11 | 14 | -36 | 28 | 5.8 | 6 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 180 | 8.8 | 24.5 | 28 | -3.2 | 18 | -4.5 | 1 | 26 | -19 | 58 | 5.3 | 15 |
| Szendrőlád | – | 9.3 | 28.0 | 27 | -4.9 | 2 | -5.3 | 2 | 20 | -24 | 45 | 8.6 | 6 |
| Tokaj | – | 10.5 | 26.0 | 28 | -1.5 | 1 | -2.0 | 1 | 38 | -7 | 84 | 12.2 | 14 |
| Kisvárda | 175 | 9.4 | 26.5 | 28 | -3.4 | 11 | -5.1 | 11 | 39 | -4 | 91 | 9.2 | 14 |
| Mátészalka | – | 10.3 | 27.0 | 28 | -3.0 | 1 | -4.0 | 1 | 55 | +10 | 122 | 22.2 | 15 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 9.4 | 26.0 | 27 | -3.7 | 1 | -4.8 | 1 | 56 | +11 | 124 | 21.2 | 15 |
| Tiszabecs | – | 9.6 | 26.1 | 29 | -3.1 | 11 | -5.1 | 1 | 48 | -1 | 98 | 13.3 | 15 |
| Vásárosnamény | – | 10.5 | 27.2 | 28 | -2.6 | 11 | -4.0 | 11 | 38 | -3 | 93 | 10.8 | 15 |
| Záhony | – | 10.6 | 29.0 | 27 | -2.6 | 11 | -3.0 | 1 | 28 | -14 | 67 | 6.6 | 15 |
| Berettyóújfalu | – | 10.7 | 26.2 | 28 | -2.6 | 1 | -4.0 | 1 | 52 | +12 | 130 | 18.3 | 15 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 10.1 | 26.5 | 28 | -4.0 | 1 | -4.5 | 1 | 59 | +24 | 169 | 15.3 | 5 |
| Körösszakál | – | 10.5 | 26.7 | 28 | -2.2 | 1 | -2.7 | 1 | 45 | +0 | 100 | 19.6 | 15 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 11.0 | 26.0 | 28 | -2.1 | 1 | -3.2 | 1 | 82 | +35 | 174 | 21.3 | 29 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 204 | 10.7 | 26.2 | 28 | -3.8 | 1 | -7.6 | 1 | 43 | +6 | 116 | 17.9 | 13 |
| Szeghalom | – | 10.6 | 26.8 | 28 | -1.9 | 2 | -2.1 | 2 | 51 | +13 | 134 | 18.4 | 15 |

HAVI CSAPADÉKÖSSZEG (mm)

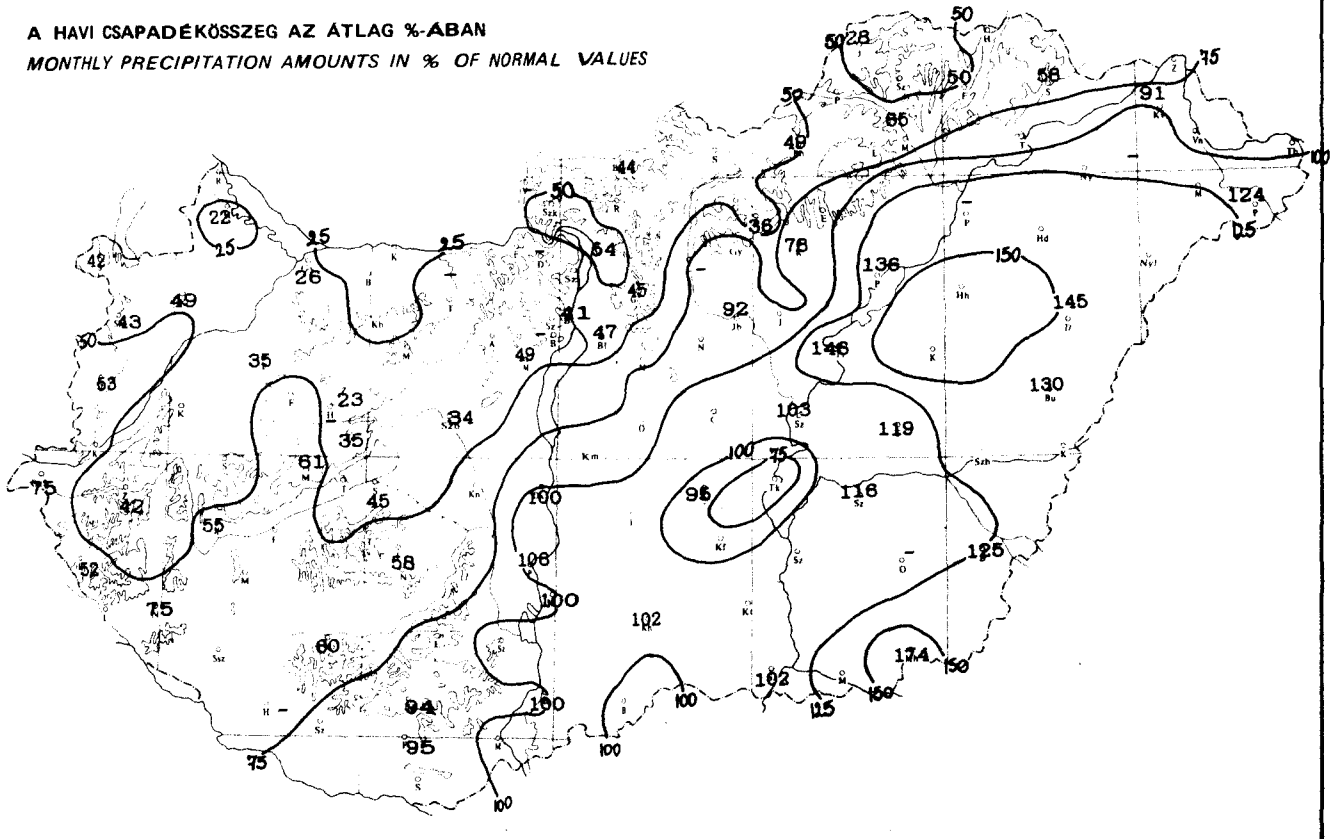
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993. április**



A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 93.283
HU ISSN 0133 – 1582

QC989. H9I3

# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. május CXXIII. évf. 5. szám

Az idei májusban rendkívül száraz, napfényben gazdag, az átlagosnál jóval melegebb, gyakorlatilag fagymentes volt az időjárás.

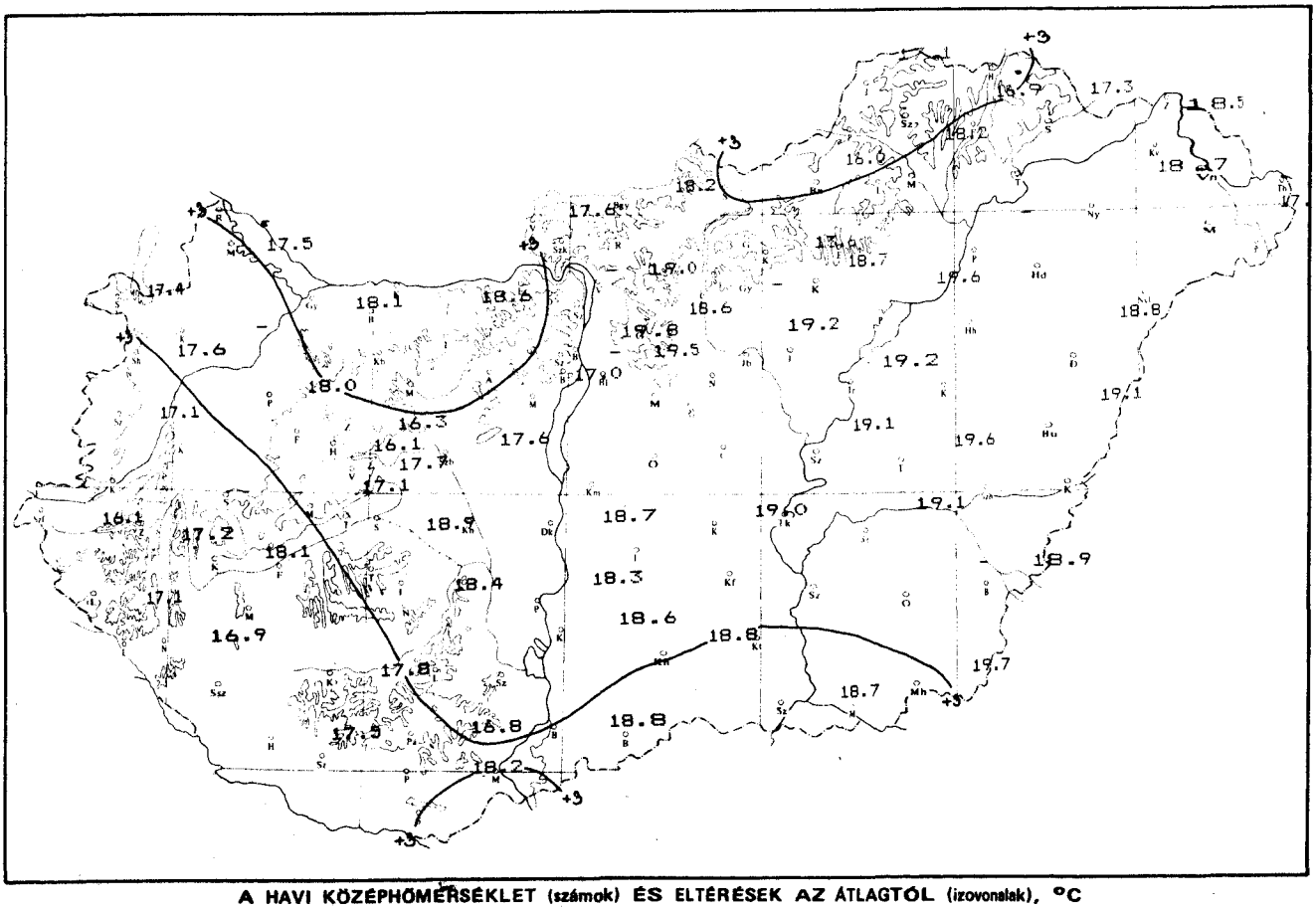
A májusi napfénytartam elérte a sokévi átlag 110–130 %-át, a legtöbb napsütést (319 óra) Szolnok jelentette, a legkevesebb (260 óra) Homokszentgyörgy térségében adódott.

A síkvidéki meteorológiai állomásokon mért hőmérséklet havi középértéke 16,0 °C (Borsodnádasd) és 19,9 °C (Szeghalom, Vásárosnamény) között alakult, ami 2,5–4,0 fokkal haladta meg a sokévi átlagot. A hónap legmagasabb hőmérsékletét (33,0 °C) Szentendre térségében május 27-én észlelték. A legalacsonyabb hőmérsékletet (+3,0 °C) Pakson május 1-én regisztrálták. Májusban csak egyetlen egy alkalommal (13-án) észleltek gyenge (-0,8 fokos) talajmenti fagyot Borsodnádasdon.

Rendkívül száraz volt az idei május, főként az ország keleti részét sújtotta a szárazság, ezeken a helyeken a havi csapadékösszeg a sokévi átlagnak csak 1–10 %-át érte el. A havi legnagyobb csapadékhozamot (70 mm-t) Hidasnémeti térségében mérték, a legalacsonyabb csapadékösszeget (mindössze 1 mm-t!) Tiszakécske jelentette, a salgótarjáni állomáson is csak 2 mm-t mértek. A 24 óra alatt hullott legnagyobb csapadékot (27,0 mm/nap, május 28-án) a monori meteorológiai állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1013 és 1014 hPa között alakult. A tengerszinti légnyomás maximuma (1022,1 hPa) május 4-én Sopronban, minimuma (997,9 hPa) 14-én Veszprémben volt.

A havi legerősebb (orkán erejű) széllökést (38,9 m/s-ot) május 28-án Debrecen térségében regisztrálták.



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993.május**

**CSAPADÉK (mm)** (0.0 = csapadéknyom)

*PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | 7.0 | . | 0.6 | 1.7 | 9.8 | 9.0 | 0.6 | 1.3 | . | . | . | . | . | 3.0 |
| Szombathely | . | . | 0.0 | 0.0 | 1.5 | 6.8 | 4.5 | 1.8 | 2.7 | . | . | . | . | 0.0 | 0.0 |
| Győr | . | 0.6 | . | 1.3 | 3.2 | 3.6 | 1.6 | 0.3 | 0.1 | . | . | . | . | 1.3 | . |
| Pápa | . | 0.0 | . | 0.6 | 2.5 | 5.4 | . | . | 0.3 | . | . | . | . | 0.3 | . |
| Veszprém | . | . | 0.7 | 4.6 | 0.7 | 3.0 | 0.1 | 6.9 | . | . | . | . | . | 2.1 | . |
| Keszthely | . | 14.1 | . | 0.1 | 2.1 | 12.7 | . | 0.4 | 0.2 | . | . | . | . | 0.3 | 0.0 |
| Siófok | . | 0.0 | 0.0 | 1.3 | 25.4 | 4.8 | . | 1.1 | . | . | . | . | . | 1.2 | . |
| Kaposvár | . | 0.6 | 0.0 | 3.8 | 3.4 | 0.5 | 0.1 | 1.3 | . | . | . | . | . | 4.7 | 0.2 |
| Zalaegerszeg | . | . | . | 0.1 | 3.1 | 8.5 | 1.3 | 4.9 | . | . | . | . | . | 0.0 | . |
| Szentgotthárd | . | 0.0 | . | 0.2 | 5.5 | 15.2 | 5.1 | 5.8 | 0.9 | . | . | . | 0.1 | . | . |
| Nagykanizsa | . | 0.2 | 0.5 | 1.0 | 1.3 | 13.6 | 1.4 | 0.5 | 0.4 | . | . | . | . | 0.8 | . |
| Pécs | . | 0.4 | 2.2 | 2.7 | 1.4 | 6.9 | 0.4 | 1.4 | . | . | . | . | . | 5.0 | 2.7 |
| Budapest KMI | . | 0.1 | 0.0 | 2.3 | 0.0 | 0.1 | 0.1 | 0.3 | . | . | . | . | . | 0.0 | 1.6 |
| Budapest KLFI | 0.2 | 0.3 | 0.0 | 0.5 | 3.0 | 0.6 | 0.0 | . | . | . | . | . | . | . | 0.3 |
| Paks | . | . | . | 2.9 | 0.4 | 3.5 | 0.2 | 0.1 | . | . | . | . | . | 7.4 | . |
| Baja | . | . | 0.3 | 1.4 | 1.0 | 12.0 | 0.1 | 0.2 | . | . | . | . | . | 0.3 | 0.7 |
| Szeged | 0.5 | 0.0 | 0.5 | 0.6 | 3.1 | 2.9 | 2.9 | 0.0 | . | . | . | . | . | . | . |
| Szolnok | . | . | . | 0.1 | 0.0 | . | 1.0 | . | . | . | . | . | . | 2.7 | 4.0 |
| Kékestető | 0.0 | 3.6 | . | 0.6 | 0.3 | 0.0 | 0.1 | 0.0 | . | . | . | . | . | 1.6 | 2.0 |
| Miskolc | . | . | . | 3.1 | . | 1.1 | 0.0 | 5.2 | . | . | . | . | . | . | 1.6 |
| Nyíregyháza Nap | . | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.2 | 0.2 | . | . | . | . | . | . | 8.0 |
| Debrecen | . | . | 0.0 | 0.0 | . | 1.1 | 0.0 | . | . | . | . | . | . | . | 0.0 |
| Békéscsaba | 0.8 | . | . | 0.5 | . | 0.0 | 0.0 | 0.8 | . | . | . | . | . | 0.4 | 1.3 |

**KÖZÉPHŐMÉRSÉKLET (°C)**

*DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 16.1 | 17.1 | 17.1 | 13.8 | 10.3 | 11.6 | 14.8 | 16.7 | 16.0 | 16.5 | 17.5 | 18.0 | 18.5 | 17.3 | 17.2 |
| Szombathely | 15.2 | 16.0 | 17.4 | 15.1 | 10.9 | 12.6 | 16.0 | 16.6 | 16.1 | 15.8 | 16.1 | 16.6 | 16.7 | 16.7 | 17.0 |
| Győr | 16.3 | 16.9 | 17.6 | 15.8 | 12.0 | 13.9 | 17.3 | 17.8 | 17.2 | 16.8 | 17.7 | 18.1 | 19.7 | 17.9 | 18.6 |
| Pápa | 16.6 | 16.8 | 16.3 | 15.2 | 11.1 | 13.0 | 17.0 | 17.6 | 17.2 | 16.7 | 17.6 | 18.7 | 19.0 | 17.4 | 17.5 |
| Veszprém | 16.4 | 17.4 | 16.8 | 16.1 | 11.9 | 13.9 | 17.3 | 16.8 | 16.5 | 16.2 | 17.5 | 18.7 | 19.1 | 17.7 | 17.6 |
| Keszthely | 16.2 | 15.9 | 17.4 | 16.5 | 12.1 | 13.6 | 16.7 | 18.0 | 17.2 | 17.2 | 17.4 | 17.8 | 18.4 | 17.7 | 16.5 |
| Siófok | 15.6 | 17.0 | 17.1 | 17.6 | 14.7 | 15.0 | 18.5 | 19.0 | 18.0 | 18.0 | 17.8 | 18.7 | 19.6 | 18.0 | 18.3 |
| Kaposvár | 15.3 | 16.0 | 16.2 | 16.1 | 12.8 | 14.4 | 15.8 | 17.0 | 16.7 | 16.4 | 16.7 | 17.0 | 17.6 | 16.3 | 17.1 |
| Zalaegerszeg | 14.5 | 14.9 | 16.5 | 15.9 | 11.5 | 12.7 | 15.9 | 15.7 | 15.7 | 16.5 | 15.9 | 15.9 | 15.9 | 15.5 | 16.0 |
| Szentgotthárd | 14.0 | 15.9 | 15.0 | 14.5 | 10.2 | 10.4 | 13.2 | 14.8 | 14.2 | 15.0 | 15.4 | 16.0 | 15.5 | 16.0 | 14.9 |
| Nagykanizsa | 14.7 | 15.2 | 15.9 | 15.6 | 11.4 | 12.6 | 15.4 | 15.9 | 15.6 | 15.6 | 15.9 | 15.8 | 16.5 | 15.9 | 16.7 |
| Pécs | 16.9 | 16.8 | 15.6 | 17.6 | 14.6 | 14.7 | 16.1 | 15.3 | 17.3 | 16.7 | 17.7 | 18.5 | 18.9 | 17.5 | 17.0 |
| Budapest KMI | 18.6 | 17.7 | 18.9 | 19.7 | 16.9 | 18.9 | 19.6 | 19.2 | 19.5 | 19.0 | 19.5 | 20.1 | 20.0 | 20.3 | 19.9 |
| Budapest KLFI | 17.5 | 16.6 | 18.3 | 19.2 | 17.0 | 18.5 | 19.0 | 19.2 | 19.2 | 18.5 | 19.1 | 19.5 | 20.1 | 19.7 | 19.6 |
| Paks | 15.3 | 16.1 | 17.4 | 18.3 | 16.4 | 17.0 | 18.5 | 18.1 | 18.5 | 16.2 | 16.8 | 17.1 | 17.4 | 16.4 | 16.9 |
| Baja | 16.5 | 17.5 | 17.4 | 17.2 | 16.4 | 15.6 | 17.0 | 16.6 | 18.0 | 16.9 | 17.8 | 18.3 | 20.0 | 18.5 | 16.6 |
| Szeged | 16.2 | 16.2 | 17.2 | 16.4 | 16.8 | 16.1 | 16.9 | 18.0 | 18.3 | 17.4 | 17.7 | 17.8 | 18.4 | 18.5 | 18.3 |
| Szolnok | 16.9 | 17.1 | 18.2 | 17.4 | 17.7 | 17.9 | 17.0 | 18.1 | 18.1 | 17.2 | 17.8 | 18.3 | 18.6 | 19.4 | 18.4 |
| Kékestető | 12.6 | 11.8 | 13.4 | 12.2 | 10.8 | 12.4 | 13.1 | 12.8 | 13.2 | 12.8 | 14.5 | 14.3 | 14.8 | 14.9 | 14.2 |
| Miskolc | 17.2 | 16.8 | 17.5 | 17.3 | 17.3 | 16.6 | 17.2 | 16.3 | 18.0 | 17.6 | 18.2 | 18.4 | 18.4 | 19.0 | 16.3 |
| Nyíregyháza Nap | 18.1 | 16.8 | 18.6 | 16.4 | 17.7 | 17.3 | 18.3 | 18.0 | 18.5 | 18.8 | 19.2 | 19.2 | 18.9 | 18.7 | 16.5 |
| Debrecen | 16.7 | 15.7 | 17.7 | 17.3 | 17.9 | 17.8 | 18.5 | 19.1 | 19.8 | 19.0 | 19.1 | 19.6 | 18.8 | 19.1 | 17.7 |
| Békéscsaba | 16.0 | 16.9 | 17.5 | 16.3 | 17.7 | 17.6 | 17.8 | 17.1 | 18.0 | 17.7 | 17.8 | 18.0 | 18.2 | 18.4 | 18.1 |

**NAPSÜTÉS (óra)**

*DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 12.3 | 10.1 | 9.4 | 4.1 | 0.0 | 4.3 | 5.5 | 10.1 | 7.0 | 10.1 | 12.7 | 13.0 | 11.6 | 10.0 | 7.7 |
| Szombathely | 11.5 | 11.0 | 4.9 | 5.5 | 0.0 | 4.0 | 6.6 | 9.2 | 3.9 | 8.4 | 11.9 | 13.0 | 11.4 | 9.6 | 8.1 |
| Győr | 10.1 | 8.6 | 9.2 | 5.1 | 0.0 | 7.5 | 7.2 | 10.5 | 8.1 | 10.1 | 12.7 | 12.9 | 12.2 | 10.0 | 10.4 |
| Pápa | 11.9 | 10.1 | 7.2 | 1.7 | 0.0 | 4.7 | 7.1 | 10.0 | 7.9 | 9.8 | 12.7 | 13.0 | 12.9 | 5.9 | 11.6 |
| Veszprém | 11.6 | 8.3 | 9.1 | 2.4 | 2.8 | 7.5 | 10.6 | 11.0 | 9.4 | 8.1 | 12.6 | 12.7 | 11.8 | 9.7 | 9.2 |
| Keszthely | 12.4 | 10.2 | 8.2 | 4.3 | 1.5 | 4.4 | 6.4 | 11.5 | 7.5 | 10.3 | 12.9 | 13.3 | 12.8 | 8.2 | 6.7 |
| Siófok | 12.1 | 8.6 | 9.8 | 4.2 | 0.4 | 7.7 | 10.6 | 12.2 | 10.0 | 10.3 | 13.2 | 13.0 | 12.6 | 8.7 | 8.3 |
| Kaposvár | 10.5 | 9.1 | 8.6 | 7.2 | 1.4 | 5.7 | 6.6 | 9.9 | 8.7 | 9.3 | 12.1 | 12.8 | 12.8 | 8.3 | 5.3 |
| Zalaegerszeg | 12.5 | 9.9 | 8.8 | 6.9 | 0.0 | 3.8 | 5.1 | 8.9 | 6.7 | 11.3 | 13.4 | 13.4 | 10.9 | 7.5 | 8.0 |
| Szentgotthárd | 11.8 | 9.5 | 7.4 | 7.6 | 0.0 | 2.9 | 2.6 | 8.7 | 4.7 | 8.8 | 11.9 | 13.1 | 8.5 | 9.5 | 4.3 |
| Nagykanizsa | 11.0 | 6.8 | 8.9 | 6.7 | 0.4 | 3.9 | 4.4 | 9.0 | 7.0 | 10.1 | 11.9 | 12.6 | 9.8 | 6.3 | 8.1 |
| Pécs | 12.0 | 9.2 | 6.5 | 7.5 | 1.4 | 7.3 | 8.9 | 7.9 | 8.2 | 10.1 | 12.7 | 12.8 | 12.8 | 9.4 | 5.6 |
| Budapest KMI | 8.1 | 5.3 | 8.7 | 4.8 | 4.2 | 10.1 | 9.0 | 11.2 | 11.7 | 11.3 | 12.1 | 12.9 | 12.1 | 9.5 | 7.4 |
| Budapest KLFI | 8.5 | 2.9 | 9.6 | 5.1 | 4.5 | 11.1 | 9.1 | 12.3 | 11.1 | 12.9 | 13.2 | 13.4 | 12.9 | 8.4 | 10.2 |
| Paks | 9.5 | 8.9 | 8.7 | 3.9 | 3.6 | 7.4 | 10.8 | 10.2 | 7.5 | 6.9 | 12.7 | 13.1 | 12.8 | 7.7 | 5.0 |
| Baja | 9.4 | 7.4 | 8.3 | 3.3 | 4.8 | 5.8 | 8.4 | 6.3 | 7.4 | 9.3 | 12.6 | 12.4 | 12.7 | 8.5 | 4.8 |
| Szeged | 7.8 | 4.8 | 8.3 | 2.3 | 6.6 | 8.9 | 8.7 | 7.2 | 7.5 | 10.7 | 12.9 | 13.2 | 11.7 | 10.9 | 11.0 |
| Szolnok | 11.0 | 7.7 | 10.7 | 3.2 | 10.0 | 10.1 | 7.1 | 12.1 | 9.1 | 12.4 | 13.0 | 12.7 | 12.1 | 10.9 | 7.8 |
| Kékestető | 7.0 | 4.6 | 9.3 | 7.1 | 6.3 | 10.4 | 8.6 | 8.6 | 10.5 | 12.6 | 12.8 | 13.2 | 13.3 | 10.3 | 9.8 |
| Miskolc | 8.7 | 8.9 | 11.8 | 2.9 | 6.3 | 8.5 | 7.2 | 6.9 | 11.8 | 12.6 | 13.0 | 13.0 | 13.0 | 10.2 | 8.6 |
| Nyíregyháza Nap | 9.1 | 9.2 | 10.5 | 1.1 | 7.5 | 9.1 | 8.2 | 6.7 | 9.9 | 13.0 | 12.9 | 13.2 | 12.6 | 8.8 | 9.3 |
| Debrecen | 9.4 | 7.9 | 9.9 | 1.8 | 10.7 | 8.2 | 8.7 | 9.1 | 9.5 | 13.1 | 13.0 | 13.3 | 12.9 | 10.4 | 9.2 |
| Békéscsaba | 7.6 | 8.6 | 9.3 | 1.5 | 6.9 | 9.2 | 8.4 | 9.9 | 9.3 | 12.7 | 14.3 | 14.1 | 13.4 | 9.7 | 11.2 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. május

CSAPADÉK (mm) — PRECIPITATION (mm)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | . | . | . | . | . | . | 1.1 | . | . | 0.1 | 0.2 | 6.6 | . | 0.1 | . | 12805 |
| 0.5 | . | . | . | . | . | . | . | . | . | . | . | 6.8 | . | 0.0 | . | 12812 |
| 0.8 | . | . | . | . | . | . | 0.1 | . | . | 0.2 | . | 6.1 | . | . | .. | 12822 |
| . | . | . | . | . | . | . | 0.3 | . | . | 4.1 | . | 10.6 | . | . | . | 12825 |
| 0.0 | . | . | . | . | . | . | 0.0 | . | . | . | . | 2.8 | . | . | . | 12830 |
| . | . | . | 0.0 | . | . | . | 0.0 | . | . | . | . | 1.7 | . | . | 0.2 | 12920 |
| 0.2 | . | . | . | . | . | . | . | . | . | . | . | 0.5 | . | . | 0.0 | 12935 |
| 0.0 | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 0.0 | 12930 |
| 0.0 | . | . | . | . | . | . | . | . | . | 0.2 | . | 4.7 | . | 1.0 | 5.8 | 12915 |
| . | . | . | . | . | . | . | . | . | . | 0.0 | . | 1.9 | . | 0.4 | 1.2 | 12910 |
| . | . | . | . | . | . | . | . | . | . | . | . | 4.0 | . | . | 1.3 | 12925 |
| . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 12942 |
| 0.0 | 0.1 | . | . | . | 1.3 | . | 0.0 | . | . | 0.3 | . | 5.7 | . | . | . | 12840 |
| 0.1 | . | . | . | . | 0.0 | . | 1.2 | . | . | 0.1 | . | 6.6 | . | . | . | 12843 |
| . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | . | 12950 |
| . | . | . | . | . | . | . | 0.3 | . | . | . | . | . | . | . | . | 12960 |
| 0.0 | . | . | . | . | . | . | 0.0 | . | . | . | . | . | . | . | . | 12982 |
| 0.0 | . | . | . | . | . | . | . | . | . | . | . | 0.0 | . | . | . | 12860 |
| 12.4 | . | . | 2.9 | 6.5 | 4.9 | . | . | 0.1 | . | . | . | 2.9 | . | 0.0 | . | 12851 |
| . | . | . | 1.1 | . | 0.3 | . | . | 7.5 | . | 0.7 | . | 0.1 | . | . | 2.1 | 12772 |
| 0.0 | 0.0 | . | . | . | 11.9 | . | 0.4 | 1.3 | . | 6.9 | . | 0.6 | . | . | 5.3 | 12893 |
| 0.7 | . | . | . | 1.0 | 0.0 | 0.0 | 1.3 | 4.2 | . | 0.0 | . | 11.0 | . | . | 17.7 | 12882 |
| . | . | . | . | . | . | 0.0 | 0.3 | . | . | . | . | 0.1 | . | . | 0.0 | 12992 |

KÖZÉPHŐMÉRSÉKLET (°C) — DAILY MEAN TEMPERATURE (°C)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.7 | 17.4 | 19.0 | 20.7 | 21.3 | 20.8 | 15.4 | 13.3 | 16.6 | 19.5 | 21.9 | 22.2 | 17.4 | 18.2 | 20.0 | 19.4 | 12805 |
| 16.6 | 17.1 | 18.2 | 19.2 | 20.0 | 20.1 | 16.1 | 14.3 | 17.2 | 18.6 | 21.5 | 21.9 | 18.5 | 17.5 | 19.6 | 18.9 | 12812 |
| 17.4 | 17.5 | 19.5 | 20.6 | 22.1 | 22.4 | 15.8 | 14.0 | 16.6 | 18.8 | 23.0 | 23.2 | 19.2 | 18.0 | 21.1 | 19.7 | 12822 |
| 17.1 | 17.1 | 18.9 | 21.5 | 21.9 | 22.8 | 16.2 | 14.6 | 16.3 | 18.7 | 22.4 | 23.1 | 19.9 | 18.0 | 21.4 | 19.7 | 12825 |
| 17.5 | 18.0 | 18.5 | 20.1 | 20.8 | 20.6 | 15.8 | 13.7 | 15.9 | 18.9 | 22.2 | 21.9 | 19.7 | 17.8 | 19.5 | 18.9 | 12830 |
| 17.3 | 19.0 | 18.7 | 20.5 | 22.0 | 21.4 | 18.1 | 16.3 | 18.1 | 19.1 | 21.3 | 22.3 | 21.2 | 18.8 | 20.9 | 18.7 | 12920 |
| 19.4 | 19.8 | 19.1 | 20.7 | 21.8 | 21.6 | 18.7 | 15.9 | 18.1 | 19.6 | 21.9 | 23.5 | 21.4 | 19.9 | 21.6 | 20.8 | 12935 |
| 18.1 | 18.0 | 18.2 | 20.0 | 21.1 | 22.3 | 18.0 | 15.9 | 17.4 | 18.2 | 20.8 | 22.9 | 22.4 | 18.8 | 20.8 | 18.5 | 12930 |
| 16.6 | 17.9 | 18.0 | 20.0 | 20.9 | 20.4 | 17.6 | 14.8 | 18.1 | 18.0 | 20.3 | 22.4 | 21.7 | 18.6 | 20.9 | 19.1 | 12915 |
| 16.3 | 16.4 | 17.6 | 18.9 | 19.2 | 19.7 | 15.9 | 13.7 | 15.7 | 17.9 | 19.9 | 21.3 | 19.3 | 16.8 | 20.0 | 16.8 | 12910 |
| 16.8 | 17.0 | 17.1 | 18.8 | 20.1 | 21.8 | 17.6 | 15.0 | 15.9 | 17.2 | 20.2 | 22.4 | 21.8 | 18.2 | 19.6 | 16.6 | 12925 |
| 18.5 | 18.9 | 19.2 | 21.0 | 21.1 | 21.2 | 18.0 | 16.4 | 17.1 | 19.2 | 21.4 | 21.8 | 21.9 | 19.0 | 20.4 | 18.9 | 12942 |
| 19.1 | 19.9 | 20.6 | 21.8 | 22.9 | 23.6 | 16.9 | 14.5 | 18.5 | 20.7 | 22.8 | 23.1 | 20.9 | 18.7 | 21.6 | 20.8 | 12840 |
| 19.0 | 20.1 | 20.4 | 21.6 | 23.1 | 22.6 | 17.8 | 14.3 | 17.6 | 20.6 | 21.9 | 22.6 | 21.5 | 18.9 | 20.6 | 21.3 | 12843 |
| 19.4 | 19.6 | 18.2 | 19.1 | 19.9 | 20.8 | 18.7 | 15.0 | 16.6 | 18.3 | 20.6 | 23.7 | 23.7 | 18.4 | 19.4 | 19.4 | 12950 |
| 19.0 | 19.2 | 19.3 | 20.5 | 21.4 | 21.9 | 18.7 | 16.6 | 17.7 | 18.9 | 21.2 | 23.1 | 23.8 | 19.3 | 21.0 | 20.1 | 12960 |
| 18.2 | 18.5 | 18.7 | 20.1 | 21.8 | 22.2 | 19.1 | 15.4 | 16.5 | 18.8 | 21.4 | 23.5 | 23.4 | 18.8 | 20.5 | 21.3 | 12982 |
| 17.6 | 18.8 | 19.0 | 20.7 | 22.8 | 22.0 | 19.1 | 16.0 | 17.3 | 19.6 | 22.5 | 23.5 | 22.3 | 19.5 | 20.5 | 21.4 | 12860 |
| 12.4 | 11.8 | 13.3 | 14.7 | 16.7 | 16.6 | 12.1 | 9.6 | 10.8 | 13.4 | 16.9 | 17.2 | 15.0 | 12.3 | 14.6 | 16.0 | 12851 |
| 17.5 | 17.6 | 19.1 | 19.9 | 20.5 | 20.8 | 18.5 | 15.0 | 15.6 | 18.2 | 20.2 | 20.9 | 22.0 | 19.6 | 19.3 | 18.4 | 12772 |
| 16.8 | 17.9 | 19.2 | 20.4 | 21.9 | 20.1 | 19.8 | 16.1 | 16.8 | 17.9 | 19.5 | 21.9 | 22.1 | 18.7 | 19.1 | 19.8 | 12893 |
| 16.7 | 18.5 | 19.4 | 21.1 | 21.2 | 21.5 | 19.5 | 15.4 | 16.2 | 18.0 | 20.1 | 22.8 | 21.5 | 18.7 | 18.6 | 18.5 | 12882 |
| 18.5 | 18.9 | 19.0 | 20.0 | 21.7 | 22.2 | 19.7 | 16.4 | 17.1 | 18.5 | 21.5 | 24.4 | 23.8 | 19.6 | 19.6 | 21.7 | 12992 |

NAPSÜTÉS (óra) — DURATION OF SUNSHINE (HOURS)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.6 | 13.3 | 12.7 | 11.1 | 11.6 | 11.6 | 9.2 | 0.2 | 12.4 | 13.1 | 11.7 | 1.6 | 4.4 | 13.4 | 8.8 | 11.2 | 12805 |
| 8.7 | 12.9 | 12.9 | 10.7 | 12.0 | 12.4 | 10.2 | 0.9 | 11.3 | 11.3 | 10.0 | 0.0 | 4.9 | 12.9 | 8.5 | 5.1 | 12812 |
| 7.4 | 13.1 | 12.4 | 10.5 | 12.4 | 12.7 | 11.6 | 0.6 | 12.3 | 12.7 | 11.1 | 2.4 | 6.0 | 13.6 | 11.3 | 8.7 | 12822 |
| 7.3 | 13.1 | 12.8 | 12.6 | 12.9 | 12.7 | 11.3 | 0.4 | 9.3 | 13.4 | 11.0 | 0.0 | 5.9 | 11.7 | 8.8 | 7.2 | 12825 |
| 7.5 | 11.3 | 12.1 | 11.6 | 11.5 | 11.8 | 11.8 | 1.5 | 8.7 | 9.7 | 10.8 | 0.6 | 6.9 | 11.4 | 6.8 | 5.3 | 12830 |
| 4.2 | 11.7 | 13.3 | 12.0 | 12.8 | 12.5 | 13.1 | 2.1 | 9.9 | 12.1 | 10.2 | 0.0 | 7.7 | 12.9 | 8.5 | 3.0 | 12920 |
| 8.3 | 12.6 | 13.4 | 12.6 | 13.0 | 13.3 | 13.8 | 1.6 | 9.9 | 13.5 | 11.4 | 1.3 | 8.8 | 13.8 | 7.6 | 3.7 | 12935 |
| 9.7 | 11.1 | 10.6 | 12.2 | 12.4 | 12.0 | 13.3 | 8.0 | 8.3 | 12.2 | 10.4 | 0.9 | 10.1 | 12.0 | 10.2 | 5.3 | 12930 |
| 7.8 | 13.4 | 13.6 | 11.9 | 12.8 | 12.6 | 13.1 | 2.2 | 9.6 | 10.7 | 9.6 | 0.0 | 7.0 | 12.7 | 3.2 | 9.1 | 12915 |
| 9.0 | 13.6 | 13.0 | 10.8 | 12.9 | 12.9 | 12.5 | 3.2 | 9.3 | 11.6 | 9.3 | 0.1 | 8.8 | 12.2 | 9.5 | 2.8 | 12910 |
| 7.8 | 10.2 | 12.2 | 10.8 | 11.8 | 12.0 | 12.9 | 7.5 | 5.9 | 10.2 | 10.6 | 0.3 | 9.3 | 11.4 | 9.3 | 2.4 | 12925 |
| 8.1 | 10.0 | 11.1 | 12.9 | 12.3 | 11.8 | 13.3 | 9.3 | 7.7 | 11.7 | 10.9 | 2.2 | 7.7 | 10.8 | 12.0 | 5.8 | 12942 |
| 7.6 | 10.7 | 11.9 | 12.1 | 12.1 | 12.1 | 12.4 | 2.5 | 10.7 | 11.6 | 11.6 | 3.4 | 6.3 | 13.1 | 12.4 | 8.1 | 12840 |
| 10.1 | 7.8 | 12.5 | 12.2 | 13.0 | 13.3 | 13.8 | 1.9 | 10.2 | 11.8 | 12.1 | 2.7 | 8.1 | 14.0 | 10.9 | 10.2 | 12843 |
| 10.3 | 10.8 | 12.5 | 12.6 | 12.1 | 12.9 | 13.4 | 6.0 | 8.6 | 11.5 | 11.7 | 0.8 | 7.9 | 11.6 | 9.7 | 7.8 | 12950 |
| 10.6 | 11.4 | 11.4 | 12.1 | 12.9 | 12.9 | 12.5 | 6.0 | 8.9 | 12.4 | 12.2 | 1.2 | 5.2 | 10.8 | 9.8 | 7.7 | 12960 |
| 8.0 | 11.9 | 12.8 | 13.3 | 10.6 | 12.1 | 11.7 | 4.9 | 7.7 | 12.7 | 10.0 | 2.1 | 3.1 | 10.7 | 9.3 | 6.7 | 12982 |
| 8.9 | 11.8 | 12.7 | 12.4 | 12.9 | 13.1 | 13.4 | 7.3 | 10.1 | 13.1 | 11.0 | 3.7 | 6.3 | 12.9 | 11.2 | 8.5 | 12860 |
| 5.9 | 11.0 | 13.2 | 8.6 | 9.4 | 9.5 | 11.5 | 5.6 | 10.8 | 11.9 | 11.2 | 5.5 | 6.6 | 13.7 | 10.8 | 10.1 | 12851 |
| 5.7 | 11.7 | 13.1 | 10.5 | 10.2 | 8.2 | 10.6 | 5.5 | 10.1 | 13.6 | 10.4 | 3.0 | 6.2 | 13.9 | 8.7 | 8.4 | 12772 |
| 3.5 | 7.9 | 12.2 | 13.4 | 11.9 | 6.9 | 11.6 | 7.6 | 9.4 | 11.9 | 9.3 | 4.9 | 7.4 | 11.3 | 13.0 | 7.1 | 12893 |
| 6.5 | 10.0 | 12.3 | 13.0 | 12.8 | 8.3 | 11.0 | 5.4 | 7.8 | 11.4 | 9.7 | 5.3 | 5.9 | 13.8 | 11.1 | 6.5 | 12882 |
| 10.5 | 13.0 | 13.2 | 12.1 | 13.5 | 12.0 | 9.8 | 8.4 | 7.4 | 12.5 | 12.2 | 6.3 | 4.8 | 13.0 | 12.9 | 7.9 | 12992 |

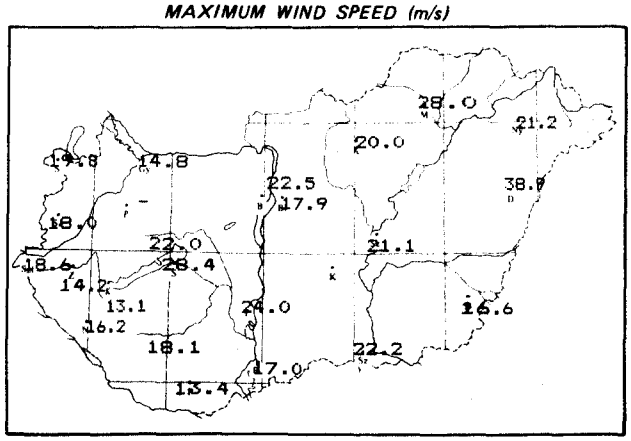
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

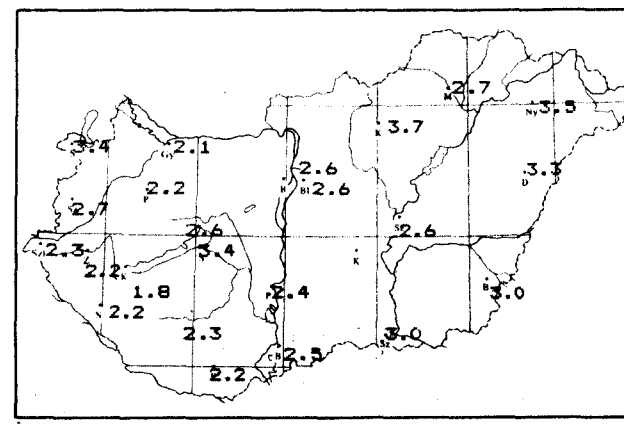
**1993.május**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25°C | fagyos nap min. ⩽ 0°C | téli nap max. ⩽ 0°C | zord nap min. ⩽ -10°C | radiációs min. ⩽ 0°C |
| Sopron | 233 | 284 | - | 6 | 3 | 17.4 | - | 30.9 | 26 | 7.0 | 6 | 2 | 15 | 0 | 0 | 0 | 0 |
| Szombathely | 224 | 264 | +38 | 6 | 2 | 17.1 | +2.9 | 29.0 | 26 | 5.6 | 1 | 0 | 11 | 0 | 0 | 0 | 0 |
| Győr | 115 | 293 | +52 | 6 | 1 | 18.1 | +2.7 | 31.2 | 26 | 6.5 | 1 | 2 | 16 | 0 | 0 | 0 | 0 |
| Pápa | 140 | 277 | - | 5 | 1 | 18.0 | - | 29.6 | 26 | 7.2 | 1 | 0 | 12 | 0 | 0 | 0 | 0 |
| Veszprém | 302 | 276 | - | 3 | 1 | 17.7 | - | 27.6 | 26 | 9.0 | 6 | 0 | 8 | 0 | 0 | 0 | 0 |
| Keszthely | 117 | 277 | +33 | 7 | 1 | 18.1 | +2.5 | 29.6 | 26 | 7.3 | 2 | 0 | 15 | 0 | 0 | 0 | 0 |
| Siófok | 108 | 300 | - | 8 | 0 | 18.9 | - | 28.7 | 20 | 9.0 | 1 | 0 | 16 | 0 | 0 | 0 | 0 |
| Kaposvár | 144 | 287 | - | 9 | 1 | 17.8 | - | 30.6 | 26 | 6.1 | 11 | 1 | 14 | 0 | 0 | 0 | 0 |
| Zalaegerszeg | 188 | 276 | - | 4 | 6 | 17.2 | - | 29.6 | 26 | 4.8 | 1 | 0 | 12 | 0 | 0 | 0 | 0 |
| Szentgotthárd | 221 | 263 | - | 9 | 2 | 16.1 | - | 28.4 | 26 | 5.6 | 6 | 0 | 8 | 0 | 0 | 0 | 0 |
| Nagykanizsa | 160 | 262 | - | 8 | 2 | 16.9 | - | 30.0 | 26 | 4.0 | 1 | 2 | 15 | 0 | 0 | 0 | 0 |
| Pécs | 201 | 290 | +53 | 8 | 1 | 18.2 | +2.7 | 28.0 | 21 | 9.4 | 1 | 0 | 11 | 0 | 0 | 0 | 0 |
| Budapest KMI | 120 | 297 | +63 | 2 | 1 | 19.8 | +3.2 | 30.3 | 26 | 11.4 | 1 | 2 | 18 | 0 | 0 | 0 | 0 |
| Budapest KLFI | 140 | 310 | +80 | 4 | 1 | 19.5 | +3.6 | 30.4 | 20 | 9.4 | 23 | 2 | 24 | 0 | 0 | 0 | 0 |
| Paks | 103 | 289 | - | 9 | 0 | 18.3 | - | 30.4 | 26 | 3.0 | 1 | 2 | 22 | 0 | 0 | 0 | 0 |
| Baja | 109 | 279 | - | 9 | 1 | 18.8 | - | 29.6 | 28 | 5.4 | 1 | 0 | 18 | 0 | 0 | 0 | 0 |
| Szeged | 82 | 280 | +46 | 6 | 1 | 18.7 | +2.5 | 30.2 | 20 | 7.0 | 1 | 3 | 19 | 0 | 0 | 0 | 0 |
| Szolnok | 85 | 319 | - | 7 | 0 | 19.1 | - | 30.2 | 27 | 8.0 | 10 | 2 | 17 | 0 | 0 | 0 | 0 |
| Kékestető | 989 | 300 | +80 | 4 | 1 | 13.6 | +3.5 | 22.9 | 27 | 7.4 | 24 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miskolc | 233 | 293 | +69 | 6 | 0 | 18.2 | +3.0 | 28.4 | 28 | 9.4 | 24 | 0 | 11 | 0 | 0 | 0 | 0 |
| Nyíregyháza N | 150 | 290 | - | 6 | 1 | 18.7 | - | 29.2 | 20 | 8.3 | 2 | 0 | 17 | 0 | 0 | 0 | 0 |
| Debrecen | 114 | 298 | +59 | 5 | 2 | 18.8 | +3.0 | 30.9 | 27 | 7.7 | 23 | 1 | 18 | 0 | 0 | 0 | 0 |
| Békéscsaba | 84 | 316 | - | 4 | 0 | 18.9 | - | 31.1 | 27 | 6.5 | 1 | 2 | 19 | 0 | 0 | 0 | 0 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
***MAXIMUM WIND SPEED (m/s)***




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
***MEAN WIND SPEED (m/s)***

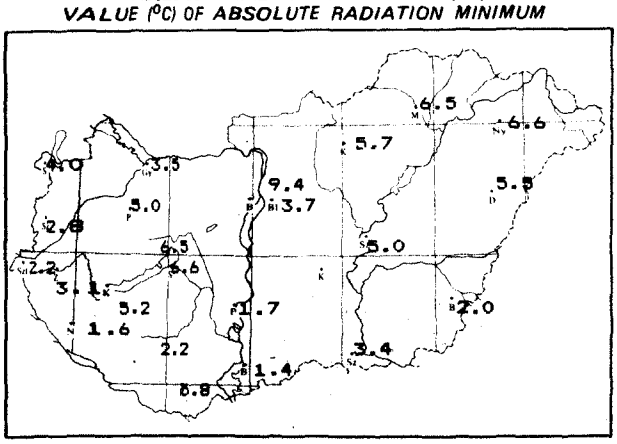


# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

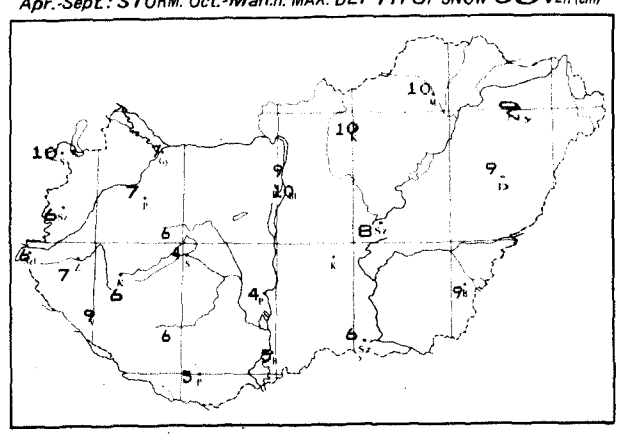
OBSERVATIONS OF MAIN STATIONS
**1993. május**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma *number of days* | | | | | | | | napok száma *number of days* | | | | | | | | |
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ⩽ 1000 m – *visibility ⩽ 1000 m* |
| 13.7 | 70 | 38 | 12 | 0 | 21 | 8 | 0 | 41 | -30 | 58 | 9.8 | 6 | 13 | 8 | 4 | 0 | 10 | 0 | 0 | 0 | 0 |
| 12.9 | 68 | 29 | 12 | 0 | 12 | 4 | 0 | 25 | -47 | 35 | 6.8 | 28 | 7 | 6 | 2 | 0 | 6 | 0 | 0 | 0 | 0 |
| 12.0 | 60 | 27 | 26 | 0 | 11 | 0 | 0 | 19 | -36 | 35 | 6.1 | 28 | 12 | 6 | 1 | 0 | 7 | 0 | 0 | 0 | 0 |
| 13.1 | 64 | 33 | 12 | 0 | 11 | 0 | 0 | 24 | -32 | 43 | 10.6 | 28 | 8 | 4 | 2 | 1 | 7 | 0 | 0 | 0 | 0 |
| 12.6 | 63 | 34 | 11 | 0 | 10 | 2 | 2 | 21 | -44 | 32 | 6.9 | 8 | 8 | 5 | 1 | 0 | 6 | 0 | 0 | 0 | 0 |
| 14.2 | 69 | 35 | 13 | 0 | 4 | 0 | 0 | 32 | -30 | 52 | 14.1 | 2 | 9 | 4 | 2 | 2 | 6 | 0 | 0 | 0 | 0 |
| 14.2 | 65 | 32 | 7 | 0 | 20 | 10 | 2 | 35 | -19 | 65 | 25.4 | 5 | 7 | 5 | 1 | 1 | 4 | 0 | 0 | 0 | 0 |
| 12.1 | 61 | 28 | 12 | 0 | 13 | 3 | 0 | 15 | -51 | 23 | 4.7 | 14 | 8 | 4 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 12.4 | 66 | 24 | 12 | 0 | 6 | 0 | 0 | 30 | -44 | 41 | 8.5 | 6 | 9 | 7 | 2 | 0 | 7 | 0 | 0 | 0 | 1 |
| 11.2 | 63 | 24 | 12 | 0 | 11 | 3 | 0 | 36 | -47 | 43 | 15.2 | 6 | 10 | 6 | 4 | 1 | 6 | 1 | 0 | 0 | 1 |
| 12.6 | 69 | 24 | 12 | 0 | 11 | 2 | 0 | 25 | -44 | 36 | 13.6 | 6 | 11 | 6 | 1 | 1 | 9 | 0 | 0 | 0 | 1 |
| 12.1 | 59 | 24 | 12 | 0 | 6 | 0 | 0 | 23 | -40 | 37 | 6.9 | 6 | 9 | 7 | 2 | 0 | 5 | 1 | 0 | 0 | 0 |
| 10.7 | 48 | 15 | 12 | 0 | 18 | 5 | 1 | 12 | -49 | 20 | 5.7 | 28 | 10 | 4 | 1 | 0 | 9 | 0 | 0 | 0 | 0 |
| 10.8 | 49 | 17 | 12 | 0 | 12 | 2 | 0 | 13 | -42 | 24 | 6.6 | 28 | 10 | 3 | 1 | 0 | 10 | 0 | 0 | 0 | 0 |
| 11.6 | 59 | 19 | 13 | 0 | 11 | 3 | 1 | 15 | -38 | 28 | 7.4 | 14 | 6 | 3 | 1 | 0 | 4 | 0 | 0 | 0 | 0 |
| 12.2 | 59 | 25 | 11 | 0 | 7 | 2 | 0 | 16 | -45 | 26 | 12.0 | 6 | 9 | 3 | 1 | 1 | 5 | 1 | 0 | 0 | 0 |
| 12.2 | 59 | 24 | 12 | 0 | 18 | 4 | 1 | 11 | -40 | 22 | 3.1 | 5 | 6 | 3 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 11.6 | 55 | 20 | 10 | 0 | 11 | 3 | 1 | 8 | -47 | 15 | 4.0 | 15 | 4 | 3 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| 8.6 | 55 | 18 | 13 | 0 | 20 | 5 | 1 | 38 | -59 | 39 | 12.4 | 16 | 12 | 8 | 2 | 1 | 10 | 1 | 0 | 0 | 3 |
| 12.7 | 61 | 37 | 9 | 0 | 18 | 5 | 2 | 23 | -42 | 35 | 7.5 | 24 | 10 | 7 | 2 | 0 | 10 | 1 | 0 | 0 | 0 |
| 11.2 | 54 | 22 | 13 | 0 | 23 | 12 | 1 | 37 | - | - | 11.9 | 21 | 10 | 6 | 4 | 1 | 9 | 0 | 0 | 0 | 1 |
| 12.4 | 59 | 29 | 3 | 0 | 22 | 13 | 4 | 37 | -22 | 63 | 17.7 | 31 | 7 | 6 | 2 | 2 | 9 | 0 | 0 | 0 | 0 |
| 11.7 | 56 | 19 | 12 | 0 | 13 | 2 | 0 | 4 | -52 | 7 | 1.3 | 15 | 7 | 1 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |

ABSZOLÚT RADIÁCIÓS MINIMUM (°C)
*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA
*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

**OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS**

**1993.május**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kaposvár Hövej | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mosonmagyaróvár | 303 | 17.5 | 30.0 | 27 | 7.5 | 2 | 4.2 | 2 | 18 | -38 | 32 | 9.1 | 6 |
| Rajka | – | 18.3 | 31.5 | 26 | 7.1 | 6 | 4.6 | 1 | 37 | -17 | 69 | 8.0 | 7 |
| Sopronhorpács | 272 | 17.6 | 30.2 | 26 | 5.5 | 1 | 2.6 | 1 | 13 | -59 | 18 | 6.3 | 6 |
| Káld | – | 18.2 | 30.3 | 26 | 6.5 | 11 | 5.5 | 18 | 21 | -51 | 29 | 10.3 | 6 |
| Körmend | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lenti | – | 17.1 | 31.0 | 26 | 4.0 | 1 | 2.9 | 1 | 45 | -36 | 56 | 24.8 | 6 |
| Letenye | – | 16.9 | 31.0 | 21 | 4.8 | 1 | 3.2 | 1 | 28 | -51 | 35 | 7.5 | 28 |
| Hárskút | 290 | 16.1 | 26.5 | 26 | 7.4 | 6 | 4.2 | 1 | 24 | – | – | 5.3 | 6 |
| Farkasgyepű | – | 17.3 | 29.5 | 26 | 7.0 | 3 | 5.0 | 6 | 27 | -44 | 38 | 9.5 | 15 |
| Mencshely | 293 | 17.1 | 27.2 | 26 | 7.0 | 6 | 5.5 | 11 | 17 | -45 | 27 | 5.0 | 5 |
| Sümeg | – | 18.9 | 31.1 | 26 | 7.9 | 6 | 6.1 | 7 | 21 | -53 | 28 | 12.7 | 6 |
| Tihany | – | 19.6 | 30.3 | 26 | 10.2 | 6 | 9.1 | 6 | 22 | -35 | 39 | 11.8 | 5 |
| Zirc | – | 16.3 | 27.5 | 26 | 4.8 | 1 | 2.2 | 1 | 45 | -29 | 61 | 15.5 | 28 |
| Fonyód | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Homokszentgyörgy | 260 | 17.5 | 30.0 | 21 | 5.7 | 12 | 4.5 | 2 | 9 | -67 | 12 | 4.0 | 6 |
| Marcali | – | 18.8 | 31.5 | 26 | 6.6 | 1 | 5.0 | 11 | 28 | -38 | 42 | 8.6 | 5 |
| Somogyszob | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Tab | – | 18.2 | 30.6 | 26 | 5.6 | 1 | 5.0 | 1 | 17 | -45 | 27 | 7.1 | 6 |
| Bábolna | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Esztergom kertváros | – | 19.2 | 32.3 | 27 | 6.3 | 1 | 2.2 | 11 | 17 | -37 | 31 | 5.7 | 21 |
| Kisbér | – | 18.5 | 32.0 | 26 | 6.0 | 1 | 4.0 | 1 | 20 | -39 | 34 | 5.9 | 28 |
| Komárom | – | 19.0 | 32.0 | 26 | 8.8 | 1 | 6.7 | 1 | 17 | -41 | 29 | 7.3 | 5 |
| Tata | – | 18.6 | 30.6 | 26 | 6.0 | 1 | 2.5 | 1 | 43 | – | – | 17.5 | 5 |
| Alcsútdoboz | – | 17.8 | 31.0 | 26 | 5.4 | 1 | 4.5 | 1 | 27 | -30 | 47 | 11.1 | 28 |
| Dunaújváros Kisapostag | – | 18.7 | 30.0 | 26 | 7.0 | 1 | 5.0 | 1 | 11 | -43 | 20 | 4.0 | 6 |
| Martonvásár | – | 17.0 | 30.1 | 26 | 4.6 | 12 | 4.0 | 3 | 30 | -22 | 58 | 18.1 | 28 |
| Mór | – | 17.9 | 30.0 | 26 | 6.5 | 1 | 4.0 | 1 | 39 | -25 | 61 | 17.4 | 28 |
| Sárbogárd | – | 18.9 | 31.0 | 26 | 6.5 | 12 | 5.5 | 11 | 5 | -48 | 9 | 2.0 | 5 |
| Székesfehérvár | – | 17.6 | 29.7 | 26 | 4.5 | 1 | 3.5 | 1 | 16 | -41 | 28 | 6.9 | 5 |
| Ireoszemcse | 278 | 18.4 | 29.0 | 28 | 7.0 | 1 | 4.0 | 1 | 23 | -34 | 40 | 10.0 | 5 |
| Lengyel | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykónyi | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szekszárd | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pécs Árpádtető | – | 16.8 | 26.2 | 26 | 9.2 | 6 | 8.5 | 7 | 13 | -62 | 17 | 4.2 | 5 |
| Mohács | – | 19.0 | 30.5 | 26 | 7.5 | 12 | 5.0 | 1 | 10 | -43 | 19 | 2.4 | 5 |
| Siklós | – | 19.6 | 31.4 | 21 | 9.5 | 1 | 6.6 | 1 | 25 | -37 | 40 | 9.0 | 6 |
| Szigetvár | – | 18.2 | 30.1 | 26 | 5.5 | 1 | 4.9 | 2 | 18 | -49 | 27 | 6.5 | 3 |
| Bácsalmás | – | 19.5 | 30.5 | 20 | 8.0 | 1 | 6.9 | 1 | 4 | -52 | 7 | 2.3 | 14 |
| Izsák | – | 18.9 | 31.0 | 20 | 7.5 | 1 | 6.0 | 1 | 9 | -43 | 17 | 7.6 | 5 |
| Kalocsa | 287 | 18.6 | 29.5 | 28 | 6.5 | 12 | 5.6 | 1 | 29 | -29 | 50 | 23.2 | 8 |
| Kecskemét Obszervatórium | 296 | 19.0 | 30.1 | 20 | 7.9 | 1 | 3.1 | 13 | 9 | -40 | 18 | 4.9 | 5 |
| Kiskunfélegyháza | – | 19.1 | 30.7 | 27 | 10.0 | 14 | 6.3 | 12 | 11 | -40 | 22 | 6.9 | 5 |
| Kiskunhalas | – | 18.8 | 29.6 | 28 | 9.2 | 1 | 6.4 | 12 | 13 | -50 | 21 | 8.6 | 14 |
| Kunszentmiklós | – | 19.1 | 30.7 | 26 | 7.2 | 11 | 5.3 | 11 | 7 | -48 | 13 | 3.1 | 5 |
| Tiszakécske | – | 19.0 | 31.2 | 20 | 7.2 | 13 | 7.1 | 3 | 1 | -56 | 2 | 0.5 | 5 |
| Balassagyarmat | – | 18.2 | 30.0 | 20 | 5.2 | 11 | 4.1 | 1 | 6 | -54 | 10 | 1.8 | 4 |
| Romhány | – | 17.9 | 31.0 | 26 | 4.0 | 1 | 3.6 | 8 | 24 | -32 | 43 | 9.0 | 15 |
| Salgótarján | – | 17.0 | 29.3 | 21 | 4.6 | 3 | 1.8 | 3 | 2 | -67 | 3 | 1.0 | 16 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

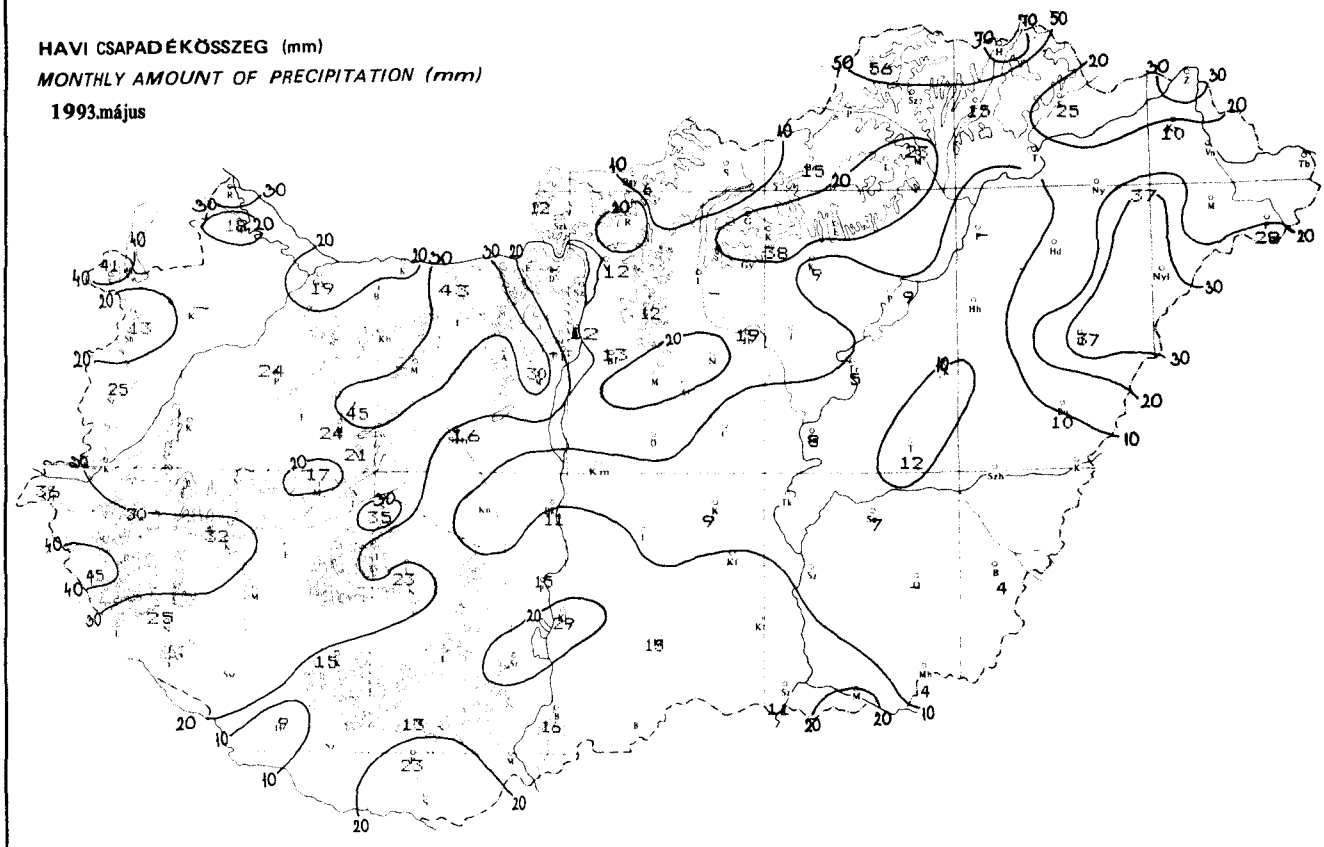
1993.május

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinavaros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 17.1 | 27.1 | 26 | 9.4 | 7 | 5.3 | 24 | 14 | −50 | 22 | 5.2 | 28 |
| Ceglédi | – | 19.1 | 31.4 | 20 | 7.2 | 10 | 4.4 | 13 | 3 | −48 | 6 | 1.1 | 28 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 282 | 18.6 | 29.2 | 27 | 9.5 | 23 | 5.4 | 23 | 12 | −50 | 19 | 3.5 | 15 |
| Szokolya Királyrét | – | 16.3 | 29.6 | 26 | 2.7 | 1 | 0.7 | 1 | 15 | −50 | 23 | 3.7 | 21 |
| Monor | – | 19.5 | 31.3 | 20 | 8.0 | 24 | 7.0 | 3 | 43 | −8 | 84 | 27.0 | 28 |
| Nagykáta | – | 19.0 | 31.0 | 20 | 7.8 | 13 | 6.5 | 11 | 23 | −39 | 37 | 11.4 | 28 |
| Örkény | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szentendre | – | 19.8 | 33.0 | 27 | 9.0 | 1 | 7.0 | 1 | 10 | −52 | 16 | 4.7 | 4 |
| Vác | – | 19.0 | 31.5 | 27 | 5.0 | 13 | 3.5 | 13 | 12 | −41 | 23 | 4.3 | 2 |
| Vámosmikola | 286 | 17.6 | 30.5 | 27 | 4.7 | 1 | 3.3 | 1 | 12 | −44 | 21 | 4.5 | 21 |
| Eger | – | 18.1 | 28.0 | 31 | 9.0 | 2 | 5.0 | 2 | 21 | −49 | 30 | 13.4 | 16 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 19.6 | 32.1 | 27 | 8.2 | 23 | 3.8 | 13 | 15 | −43 | 26 | 8.4 | 21 |
| Kompolt | 298 | 18.7 | 30.0 | 27 | 7.0 | 11 | 3.6 | 3 | 9 | −49 | 16 | 5.0 | 15 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 19.6 | 30.6 | 27 | 7.3 | 1 | 4.2 | 1 | 9 | −44 | 17 | 6.1 | 28 |
| Jászapáti | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Jászberény | – | 19.2 | 31.5 | 20 | 5.9 | 13 | 4.6 | 13 | 19 | −39 | 33 | 8.5 | 28 |
| Karcag | – | 18.7 | 31.8 | 27 | 7.2 | 1 | 6.3 | 1 | 12 | −44 | 21 | 5.3 | 28 |
| Tiszaroff | – | 19.2 | 31.1 | 27 | 7.8 | 10 | 5.6 | 1 | 5 | −48 | 9 | 3.2 | 28 |
| Túrkeve | 286 | 19.6 | 31.5 | 27 | 7.9 | 13 | 6.5 | 13 | 12 | −46 | 21 | 6.1 | 31 |
| Kistelek | – | 19.8 | 31.5 | 20 | 8.1 | 1 | 6.6 | 1 | 17 | −40 | 30 | 6.4 | 14 |
| Makó | – | 19.1 | 31.1 | 27 | 8.0 | 1 | 5.7 | 12 | 23 | −34 | 40 | 12.2 | 16 |
| Szentes | – | 19.2 | 31.5 | 27 | 8.0 | 1 | 6.0 | 12 | 5 | −47 | 10 | 3.2 | 5 |
| Borsodnádasd | – | 16.0 | 28.5 | 26 | 3.5 | 13 | −0.6 | 13 | 15 | −50 | 23 | 6.7 | 15 |
| Fűgöd | – | 16.9 | 29.0 | 21 | 5.2 | 23 | 3.4 | 13 | 15 | −48 | 24 | 10.6 | 26 |
| Hidasnémeti | – | 18.9 | 30.5 | 20 | 8.0 | 2 | 7.1 | 7 | 70 | +3 | 104 | 25.6 | 31 |
| Jósvafő | 274 | 17.1 | 26.4 | 20 | 8.0 | 3 | 4.2 | 2 | 56 | −19 | 75 | 17.4 | 2 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 255 | 17.3 | 29.2 | 28 | 7.8 | 15 | 6.5 | 15 | 25 | −38 | 40 | 10.9 | 21 |
| Szendrőlád | – | 18.2 | 30.5 | 27 | 5.5 | 13 | 4.8 | 1 | 17 | −54 | 24 | 8.0 | 1 |
| Tokaj | – | 19.4 | 30.0 | 28 | 10.0 | 3 | 9.7 | 3 | 10 | −50 | 17 | 4.1 | 26 |
| Kisvárda | 261 | 18.5 | 29.8 | 27 | 6.8 | 12 | 5.0 | 11 | 10 | −48 | 17 | 7.4 | 31 |
| Mátészalka | – | 19.5 | 31.5 | 21 | 9.0 | 10 | 7.5 | 10 | 18 | −49 | 27 | 9.0 | 31 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 17.1 | 30.2 | 27 | 6.3 | 7 | 5.1 | 7 | 28 | −42 | 40 | 7.8 | 31 |
| Tiszabecs | – | 18.3 | 30.1 | 28 | 7.1 | 13 | 3.2 | 12 | 16 | −56 | 22 | 8.0 | 31 |
| Vásárosnamény | – | 19.9 | 31.5 | 28 | 7.5 | 10 | 7.2 | 11 | 13 | −51 | 20 | 7.7 | 31 |
| Záhony | – | 19.7 | 32.4 | 21 | 8.6 | 7 | 8.3 | 7 | 32 | −30 | 52 | 12.8 | 31 |
| Berettyóújfalu | – | 19.1 | 31.5 | 27 | 9.0 | 23 | 6.8 | 11 | 10 | −47 | 18 | 4.8 | 15 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 19.2 | 32.0 | 27 | 8.4 | 3 | 7.5 | 4 | 3 | −45 | 6 | 2.1 | 24 |
| Körösszakál | – | 19.1 | 31.6 | 27 | 7.5 | 13 | 5.9 | 1 | 7 | −53 | 12 | 4.7 | 21 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 19.7 | 30.9 | 20 | 9.0 | 1 | 7.0 | 1 | 4 | −63 | 6 | 2.8 | 5 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 295 | 19.1 | 30.8 | 27 | 6.8 | 1 | 2.6 | 1 | 7 | −45 | 13 | 5.7 | 7 |
| Szeghalom | – | 19.9 | 32.2 | 27 | 9.5 | 23 | 7.3 | 23 | 8 | −50 | 14 | 4.8 | 7 |

**HAVI CSAPADÉKÖSSZEG (mm)**

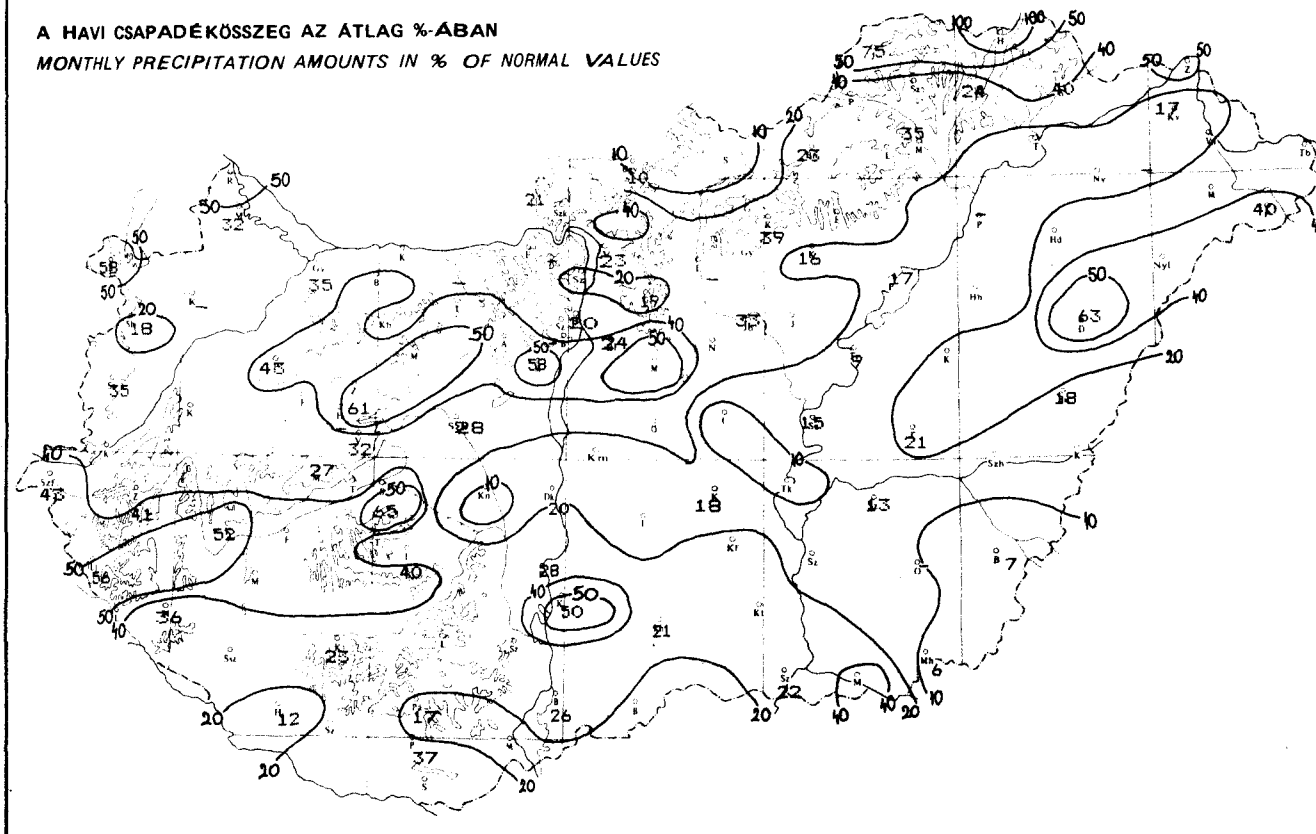
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993.május**



**A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN**

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 93.343
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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT

BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. június CXXIII. évf. 6. szám

Az idei júniust az ország túlnyomó részén a szokásosnál valamivel melegebb, napfényben gazdagabb időjárás jellemezte. A csapadék eloszlása rendkívül szeszélyes volt, bár az ország területi átlaga csak kevéssel haladta meg a sokévi normálérték felét.

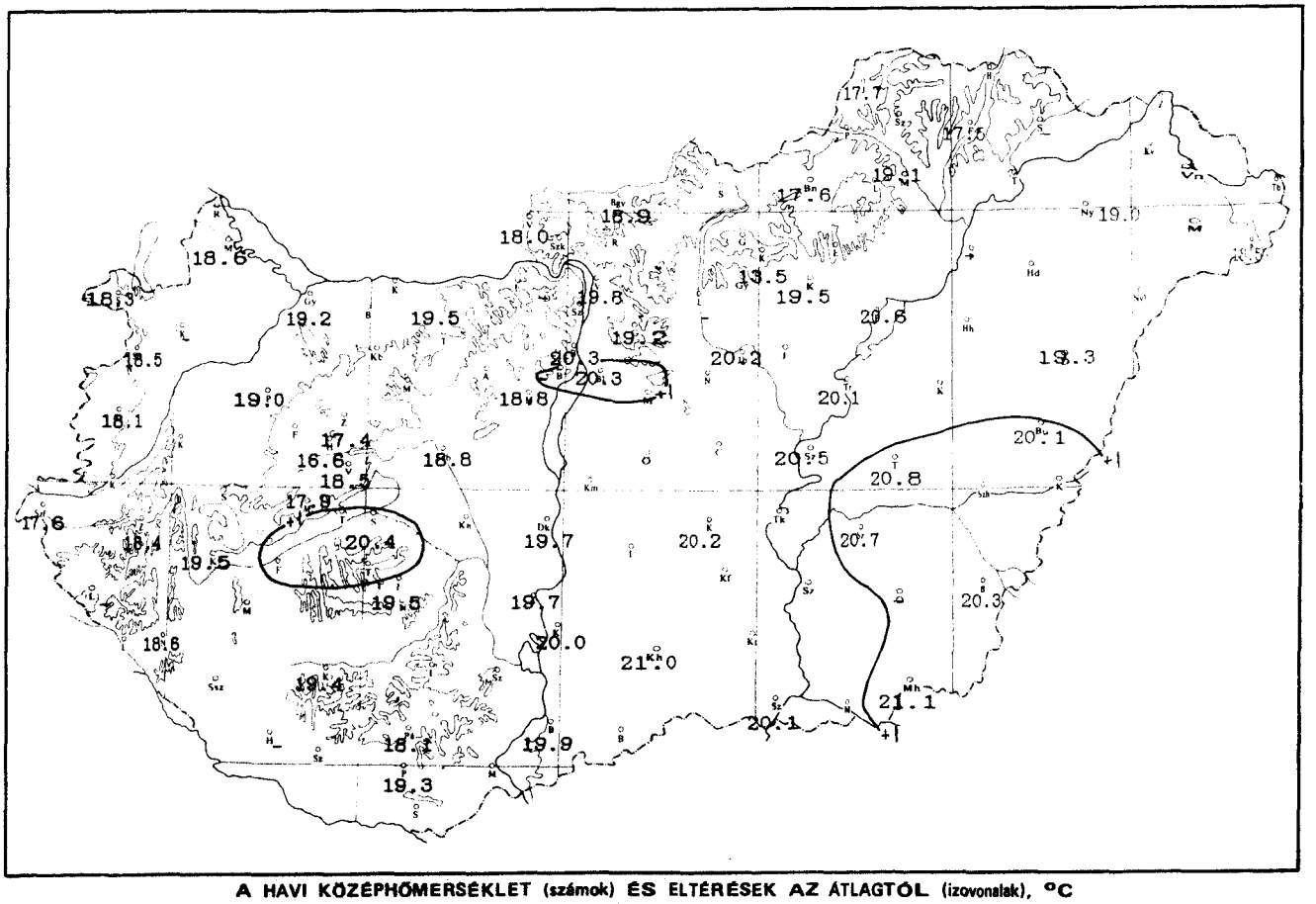
A júniusi napfénytartam az átlag 95 és 120 %-a között mozgott. A legtöbb napsütést (320 óra) Békéscsaba térségében regisztrálták, a legkevesebb (212 óra) Szentgotthárd környékén adódott.

A hónap középhőmérséklete a síkvidéki területeken 17,3°C (Salgótarján) és 21,2°C (Makó) között váltakozott, ami 0,3 illetve 1,2 fokkal haladta meg a sokévi átlagot. A hónap legmagasabb hőmérsékletét (35,8°C) Makó térségében június 23-án észlelték, ezen a napon Szentesen is 35,5°C-ig emelkedett a hőmérő higanyszála. A legalacsonyabb hőmérsékletet (4,5°C) június 30-án Romhány környékén regisztrálták, június 17-én Pakson 5,0°C-ig csökkent a hőmérséklet.

A júniusi csapadék területi eloszlása meglehetősen szeszélyes képet mutatott. Az ország középső részén az átlagosnál jóval kevesebb csapadék hullott. Ugyanakkor a Nyugat- és Dél-Dunántúlon, valamint északkeleten egyes területeken záporokból jelentős mennyiségű csapadék hullott. A havi legnagyobb csapadékhozamot (97 mm-t, a sokévi átlag 118%-át) Sopronhorpácson mérték, a legkevesebb csapadékot (12 mm-t, az átlagos érték csak 18 %-át) Jászberény jelentette. A 24 óra alatt hullott legnagyobb csapadékot (40,5 mm-t) az örkényi meteorológiai állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1013,5 és 1015,5 hPa között mozgott. A tengerszinti légnyomás maximuma (1024,3 hPa) június 23-án Szenthotthárdon, minimuma (1004,1 hPa) 12-én Miskolcon volt.

A havi legerősebb (orkán erejű), komoly anyagi károkat okozó széllökést (44,3 m/s-ot) június 12-én Szegeden regisztrálták.




A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C

THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:

Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993 június**

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | . | 5.2 | 1.6 | . | . | 11.5 | . | . | . | 0.9 | 6.0 | 0.0 | 0.8 | 3.5 |
| Szombathely | 0.0 | . | 11.6 | . | . | . | 13.7 | . | . | . | 0.1 | 1.6 | 0.2 | . | 2.3 |
| Győr | . | 0.4 | 6.0 | 0.0 | . | . | 13.6 | . | . | . | . | . | . | 0.0 | 0.8 |
| Pápa | . | 5.9 | 21.8 | 0.2 | . | . | 0.0 | . | . | . | . | 1.2 | 2.4 | 0.0 | 1.0 |
| Veszprém | . | 4.0 | 21.0 | 0.5 | . | . | 0.0 | . | . | . | . | 0.2 | . | 0.0 | 2.2 |
| Keszthely | . | 7.2 | 8.1 | 0.0 | . | . | 0.4 | . | . | 0.0 | . | 2.2 | . | 0.0 | 1.7 |
| Siófok | . | 2.3 | 23.9 | 0.0 | . | . | . | . | . | 0.1 | . | 0.1 | . | . | 0.0 |
| Kaposvár | . | 8.3 | 14.7 | . | . | . | 9.5 | 0.2 | . | 2.4 | . | . | 0.2 | 0.4 | 0.1 |
| Zalaegerszeg | . | . | 9.6 | 0.2 | . | . | 3.0 | . | . | . | . | 21.7 | . | 0.4 | 0.8 |
| Szentgotthárd | . | . | 13.8 | . | . | . | 2.2 | . | . | . | . | 13.8 | . | . | 1.2 |
| Nagykanizsa | . | 2.3 | 9.6 | 0.0 | . | . | 32.3 | . | . | 1.2 | . | 2.3 | 0.2 | 0.3 | 0.0 |
| Pécs | . | 4.0 | 11.5 | 1.4 | 0.1 | . | 0.3 | . | . | 0.1 | . | 0.1 | . | . | 0.8 |
| Budapest KMI | . | . | 4.9 | 0.6 | . | . | 1.4 | . | . | . | 1.3 | . | . | . | . |
| Budapest KLFI | . | . | 3.8 | 4.2 | . | . | 4.4 | . | . | 0.0 | 0.7 | . | . | . | . |
| Paks | . | 0.7 | 12.3 | 0.0 | . | . | . | . | . | 0.1 | 0.2 | 0.9 | . | . | 0.7 |
| Baja | . | 1.1 | 9.6 | 1.4 | 9.3 | . | . | . | . | 2.4 | . | 5.5 | . | . | . |
| Szeged | . | . | 3.6 | 0.3 | . | . | 4.2 | . | . | 0.0 | 0.0 | 28.3 | . | 0.0 | . |
| Szolnok | . | . | 2.0 | 2.6 | . | . | 1.2 | . | . | 1.3 | 12.2 | 2.7 | . | . | . |
| Kékestető | . | . | 11.5 | 2.3 | . | . | 2.4 | . | . | 0.4 | 0.0 | 4.6 | . | . | . |
| Miskolc | . | . | 1.5 | . | . | . | . | . | . | . | 0.9 | . | . | . | 0.3 |
| Nyíregyháza Nap | . | . | . | 5.3 | . | 0.3 | . | . | . | . | 1.5 | 0.3 | . | . | 0.9 |
| Debrecen | . | . | 0.0 | 2.6 | . | . | 0.0 | . | . | . | 2.0 | 2.1 | . | . | 0.0 |
| Békéscsaba | . | . | 0.0 | . | . | . | 3.0 | . | . | . | 1.6 | 6.4 | . | . | 3.7 |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 19.6 | 22.1 | 17.8 | 17.7 | 21.2 | 22.8 | 20.9 | 19.8 | 20.1 | 22.5 | 23.7 | 15.7 | 16.5 | 16.4 | 16.2 |
| Szombathely | 18.8 | 21.2 | 17.1 | 18.1 | 21.0 | 22.1 | 19.9 | 19.9 | 19.0 | 21.7 | 23.0 | 16.3 | 15.3 | 16.7 | 15.9 |
| Győr | 18.8 | 23.5 | 18.7 | 19.2 | 21.7 | 23.1 | 22.8 | 20.7 | 19.7 | 22.5 | 25.2 | 17.3 | 17.2 | 16.9 | 17.2 |
| Pápa | 19.5 | 23.4 | 17.3 | 18.6 | 20.6 | 22.2 | 22.4 | 20.7 | 19.4 | 23.2 | 24.9 | 17.3 | 16.5 | 16.5 | 17.1 |
| Veszprém | 19.2 | 21.6 | 17.2 | 18.4 | 20.6 | 22.9 | 23.3 | 20.3 | 19.0 | 20.8 | 23.1 | 17.7 | 16.4 | 16.0 | 17.7 |
| Keszthely | 19.6 | 23.0 | 18.5 | 19.4 | 21.8 | 22.9 | 23.6 | 21.7 | 20.3 | 23.2 | 24.7 | 18.2 | 16.7 | 18.0 | 17.7 |
| Siófok | 21.3 | 22.5 | 20.1 | 20.0 | 22.8 | 23.2 | 23.7 | 22.6 | 20.9 | 23.0 | 24.6 | 20.1 | 19.1 | 18.2 | 19.6 |
| Kaposvár | 19.6 | 22.6 | 18.3 | 19.1 | 22.2 | 22.8 | 23.4 | 20.6 | 19.1 | 21.8 | 24.3 | 20.5 | 17.0 | 16.8 | 17.9 |
| Zalaegerszeg | 19.1 | 22.0 | 18.2 | 18.6 | 21.1 | 21.9 | 21.2 | 21.3 | 19.7 | 21.9 | 25.0 | 17.0 | 15.9 | 16.2 | 15.4 |
| Szentgotthárd | 18.4 | 21.0 | 15.6 | 17.3 | 19.9 | 21.6 | 21.2 | 19.2 | 19.9 | 22.1 | 23.4 | 16.7 | 14.7 | 16.5 | 16.1 |
| Nagykanizsa | 18.6 | 21.5 | 16.6 | 18.5 | 21.1 | 21.8 | 22.1 | 19.9 | 19.7 | 21.4 | 23.6 | 18.7 | 16.1 | 16.4 | 16.8 |
| Pécs | 20.2 | 22.2 | 18.0 | 18.8 | 20.7 | 22.7 | 23.8 | 20.5 | 19.7 | 21.6 | 23.6 | 20.7 | 16.4 | 17.0 | 17.8 |
| Budapest KMI | 20.5 | 23.7 | 22.1 | 21.1 | 24.0 | 24.7 | 24.1 | 22.2 | 21.2 | 23.2 | 23.4 | 19.2 | 18.3 | 17.6 | 18.9 |
| Budapest KLFI | 20.9 | 22.9 | 22.4 | 20.6 | 23.6 | 24.9 | 23.3 | 22.1 | 20.3 | 22.3 | 22.2 | 19.7 | 18.4 | 18.2 | 19.7 |
| Paks | 20.5 | 20.8 | 19.3 | 20.4 | 23.0 | 23.0 | 23.9 | 22.1 | 19.3 | 20.5 | 24.2 | 21.6 | 17.4 | 17.8 | 17.8 |
| Baja | 20.4 | 23.0 | 19.9 | 20.2 | 21.1 | 22.4 | 24.3 | 21.4 | 20.1 | 22.0 | 24.4 | 20.9 | 17.4 | 18.0 | 18.4 |
| Szeged | 19.9 | 22.4 | 21.1 | 21.4 | 22.5 | 23.0 | 22.8 | 22.0 | 19.3 | 21.8 | 24.2 | 20.9 | 16.9 | 17.9 | 19.0 |
| Szolnok | 20.8 | 22.2 | 22.1 | 21.3 | 23.2 | 24.0 | 24.2 | 21.4 | 20.2 | 22.0 | 20.9 | 21.6 | 18.3 | 18.6 | 19.8 |
| Kékestető | 13.7 | 15.8 | 16.1 | 14.7 | 16.0 | 17.9 | 18.1 | 14.8 | 13.3 | 16.6 | 16.4 | 15.0 | 10.9 | 10.9 | 12.5 |
| Miskolc | 18.4 | 19.6 | 21.6 | 20.9 | 22.2 | 23.1 | 23.6 | 19.4 | 19.0 | 21.4 | 20.5 | 20.8 | 18.2 | 17.4 | 17.3 |
| Nyíregyháza Nap | 18.5 | 19.7 | 22.5 | 21.7 | 21.9 | 22.1 | 23.8 | 18.9 | 18.5 | 20.9 | 20.7 | 21.8 | 17.8 | 16.6 | 17.9 |
| Debrecen | 19.1 | 19.4 | 22.6 | 21.4 | 22.4 | 22.6 | 22.6 | 19.2 | 19.3 | 20.4 | 20.0 | 21.1 | 17.1 | 17.5 | 19.2 |
| Békéscsaba | 20.1 | 21.3 | 22.8 | 22.1 | 22.2 | 22.0 | 23.3 | 20.9 | 18.9 | 20.9 | 21.5 | 23.0 | 17.9 | 18.7 | 19.8 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 11.9 | 13.6 | 2.3 | 4.5 | 12.2 | 10.0 | 6.6 | 12.2 | 11.1 | 13.0 | 7.3 | 1.4 | 6.6 | 5.1 | 2.4 |
| Szombathely | 9.2 | 13.2 | 2.4 | 5.6 | 12.1 | 10.4 | 7.3 | 10.8 | 6.9 | 11.8 | 7.8 | 1.4 | 6.8 | 6.4 | 3.4 |
| Győr | 12.6 | 13.8 | 2.5 | 6.2 | 12.8 | 12.4 | 9.7 | 12.1 | 12.7 | 12.8 | 9.3 | 2.6 | 9.7 | 5.5 | 6.5 |
| Pápa | 13.6 | 14.3 | 1.1 | 6.4 | 12.1 | 11.9 | 10.2 | 11.7 | 12.9 | 12.6 | 8.3 | 3.2 | 9.5 | 4.8 | 6.3 |
| Veszprém | 11.4 | 11.5 | 1.8 | 6.7 | 9.3 | 10.9 | 10.9 | 10.9 | 11.5 | 10.5 | 7.6 | 6.2 | 8.8 | 2.6 | 6.2 |
| Keszthely | 12.9 | 13.5 | 0.6 | 5.6 | 11.1 | 12.4 | 11.4 | 9.8 | 8.9 | 13.0 | 11.3 | 7.9 | 8.1 | 4.8 | 6.7 |
| Siófok | 13.5 | 13.7 | 1.7 | 7.0 | 9.7 | 13.2 | 12.0 | 12.6 | 13.9 | 13.7 | 10.5 | 9.0 | 9.9 | 2.9 | 7.0 |
| Kaposvár | 10.5 | 12.1 | 2.2 | 5.0 | 9.2 | 11.8 | 12.5 | 9.1 | 12.7 | 12.4 | 11.3 | 9.9 | 8.4 | 2.8 | 7.9 |
| Zalaegerszeg | 12.6 | 13.5 | 1.0 | 4.4 | 11.0 | 11.7 | 9.9 | 7.5 | 6.3 | 11.7 | 11.9 | 3.7 | 7.2 | 4.1 | 5.1 |
| Szentgotthárd | 11.3 | 12.4 | 1.4 | 5.4 | 10.9 | 10.3 | 11.5 | 6.0 | 5.9 | 11.5 | 9.8 | 4.5 | 5.9 | 4.7 | 3.7 |
| Nagykanizsa | 12.6 | 12.4 | 1.1 | 4.8 | 10.8 | 11.8 | 11.9 | 5.4 | 8.9 | 10.7 | 10.2 | 8.7 | 5.5 | 3.5 | 6.1 |
| Pécs | 13.5 | 13.7 | 4.1 | 5.6 | 8.0 | 11.2 | 13.4 | 8.0 | 13.7 | 12.0 | 11.9 | 13.5 | 4.4 | 2.1 | 7.9 |
| Budapest KMI | 12.8 | 11.9 | 5.8 | 8.6 | 12.4 | 11.6 | 10.0 | 12.5 | 12.8 | 12.4 | 5.0 | 10.7 | 11.7 | 6.8 | 7.3 |
| Budapest KLFI | 14.1 | 12.9 | 7.5 | 7.1 | 12.9 | 12.1 | 7.8 | 12.2 | 13.7 | 13.3 | 6.6 | 9.8 | 12.1 | 11.0 | 8.4 |
| Paks | 14.1 | 13.1 | 4.0 | 6.1 | 11.7 | 12.4 | 11.7 | 10.4 | 14.2 | 13.5 | 9.6 | 11.7 | 11.7 | 7.1 | 5.8 |
| Baja | 12.7 | 13.4 | 5.0 | 5.8 | 9.4 | 10.7 | 12.8 | 8.8 | 14.0 | 12.9 | 11.7 | 10.4 | 7.8 | 7.2 | 8.9 |
| Szeged | 13.0 | 13.5 | 2.7 | 8.6 | 9.2 | 10.5 | 7.7 | 7.3 | 13.4 | 13.5 | 6.4 | 8.7 | 8.1 | 8.2 | 9.5 |
| Szolnok | 14.1 | 12.9 | 8.1 | 9.2 | 13.5 | 12.7 | 10.2 | 8.6 | 13.7 | 13.8 | 2.5 | 12.5 | 13.7 | 7.9 | 9.0 |
| Kékestető | 13.7 | 10.1 | 9.3 | 11.6 | 13.2 | 11.4 | 8.2 | 9.8 | 13.7 | 13.8 | 6.1 | 8.5 | 13.9 | 9.2 | 9.7 |
| Miskolc | 10.3 | 7.3 | 8.5 | 8.1 | 12.5 | 12.2 | 10.1 | 7.3 | 14.0 | 14.2 | 2.8 | 11.9 | 13.8 | 5.2 | 7.9 |
| Nyíregyháza Nap | 13.2 | 10.4 | 12.5 | 7.9 | 12.8 | 12.7 | 10.7 | 10.4 | 14.2 | 14.3 | 4.7 | 13.0 | 14.1 | 5.5 | 10.2 |
| Debrecen | 12.2 | 9.4 | 9.5 | 9.8 | 13.2 | 13.1 | 10.1 | 8.9 | 14.0 | 14.1 | 3.6 | 10.5 | 13.2 | 5.7 | 10.3 |
| Békéscsaba | 14.2 | 12.2 | 5.9 | 11.5 | 14.1 | 11.9 | 12.2 | 12.0 | 14.6 | 14.9 | 5.8 | 10.7 | 12.4 | 9.9 | 8.5 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993.június

CSAPADÉK (mm) — PRECIPITATION (mm)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.9 | 6.5 | . | . | 15.5 | 0.0 | 0.0 | 20.5 | 1.5 | . | 1.2 | 6.2 | 1.6 | . | . | | 12805 |
| 1.6 | 9.2 | . | . | 5.3 | 8.0 | . | 7.6 | 0.9 | . | 1.4 | 1.5 | 0.0 | . | . | | 12812 |
| 0.2 | 0.3 | . | . | 3.5 | 0.2 | . | 11.7 | 1.6 | . | 0.5 | 3.7 | 0.4 | . | . | | 12822 |
| 0.0 | 4.1 | . | . | 1.4 | 9.0 | . | 3.9 | 0.0 | . | . | 1.1 | 3.1 | . | . | | 12825 |
| 0.0 | 7.2 | . | . | 4.5 | 0.6 | 0.0 | 0.2 | 0.0 | . | 0.0 | 0.0 | 4.4 | . | . | | 12830 |
| 0.6 | 8.0 | . | . | 1.7 | 0.0 | . | 1.4 | 0.1 | 0.0 | 0.0 | 5.5 | 2.0 | . | . | | 12920 |
| 0.1 | 7.3 | . | . | . | . | 0.0 | . | 0.2 | . | 1.6 | 0.0 | 2.6 | . | . | | 12935 |
| . | 19.7 | . | . | . | . | . | 0.0 | 4.9 | 0.0 | 2.4 | 1.1 | 1.6 | . | . | | 12930 |
| 0.2 | 8.5 | . | . | 0.0 | 0.0 | . | 5.2 | 0.4 | 0.0 | 0.4 | 2.1 | 0.8 | . | . | | 12915 |
| 0.0 | 16.9 | . | . | 10.2 | . | . | 11.2 | 4.2 | 3.6 | 0.0 | 1.0 | 3.0 | . | . | | 12910 |
| 0.2 | 11.5 | . | . | 0.0 | 0.2 | 0.1 | 0.7 | 0.0 | 0.0 | 0.8 | 0.2 | 2.3 | . | . | | 12925 |
| . | 16.3 | . | . | . | . | . | . | 4.9 | 0.3 | 0.1 | 0.1 | 6.3 | . | . | | 12942 |
| . | 0.9 | . | . | 0.0 | 2.1 | . | 0.1 | 0.2 | . | 0.0 | 3.8 | 0.2 | . | 0.8 | | 12840 |
| 0.0 | 0.4 | . | . | . | 2.3 | . | 0.2 | 0.0 | . | 0.0 | 3.0 | 0.0 | . | 0.3 | | 12843 |
| . | 8.0 | . | . | . | . | . | . | 0.1 | . | 1.3 | 0.7 | 5.3 | . | . | | 12950 |
| . | 11.8 | . | . | . | . | . | . | 0.1 | 0.2 | 0.4 | 1.4 | 1.9 | . | 0.2 | | 12960 |
| . | 8.3 | . | . | . | 0.0 | . | . | 1.0 | . | 0.0 | 0.4 | 0.3 | . | 0.0 | | 12982 |
| . | 3.5 | . | . | . | . | . | 2.3 | 0.0 | . | . | 0.3 | 2.2 | . | 0.3 | | 12860 |
| . | 4.7 | . | . | 0.6 | . | 0.0 | 8.3 | 0.3 | . | . | 0.6 | 3.5 | 1.6 | 8.7 | | 12851 |
| . | 3.7 | . | . | 0.3 | . | . | 5.8 | 2.8 | . | 0.0 | . | 25.7 | . | 11.2 | | 12772 |
| . | 8.5 | . | . | 0.0 | 0.2 | . | 4.9 | 3.0 | . | 0.5 | 0.1 | 10.4 | 4.6 | 19.6 | | 12893 |
| . | 7.4 | . | . | . | 4.5 | . | 4.6 | 5.2 | . | 0.2 | 0.0 | 23.7 | . | 9.2 | | 12882 |
| . | 11.1 | . | . | . | . | 0.0 | 0.0 | 0.0 | . | . | 0.2 | 0.1 | 0.1 | 0.0 | | 12992 |

KÖZÉPHŐMÉRSÉKLET (°C) — DAILY MEAN TEMPERATURE (°C)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.5 | 15.2 | 18.2 | 21.6 | 20.5 | 19.0 | 19.1 | 20.1 | 15.7 | 15.5 | 12.4 | 13.6 | 14.0 | 16.1 | 17.9 | | 12805 |
| 16.5 | 14.4 | 17.7 | 20.4 | 21.2 | 19.1 | 18.8 | 21.4 | 16.2 | 15.4 | 13.0 | 13.0 | 15.0 | 16.1 | 17.9 | | 12812 |
| 15.8 | 16.2 | 18.3 | 22.6 | 23.0 | 20.8 | 20.5 | 23.6 | 17.6 | 15.6 | 13.4 | 14.5 | 15.2 | 16.2 | 19.1 | | 12822 |
| 16.2 | 15.6 | 17.6 | 21.5 | 23.2 | 20.3 | 20.0 | 23.8 | 17.8 | 15.9 | 13.6 | 13.9 | 15.4 | 15.9 | 18.4 | | 12825 |
| 15.2 | 15.0 | 16.5 | 19.8 | 21.7 | 19.8 | 20.6 | 22.9 | 17.0 | 15.4 | 13.3 | 13.2 | 15.6 | 15.6 | 18.5 | | 12830 |
| 17.4 | 16.0 | 17.7 | 20.6 | 23.3 | 20.7 | 22.2 | 24.1 | 18.2 | 16.5 | 14.5 | 13.8 | 16.1 | 16.7 | 18.2 | | 12920 |
| 17.7 | 16.8 | 18.9 | 21.5 | 22.5 | 21.5 | 23.0 | 24.4 | 19.7 | 18.0 | 15.6 | 15.8 | 17.2 | 17.6 | 19.6 | | 12935 |
| 17.2 | 15.6 | 17.1 | 20.4 | 23.4 | 21.7 | 22.7 | 24.9 | 17.8 | 16.3 | 14.8 | 14.3 | 15.4 | 16.3 | 17.9 | | 12930 |
| 16.1 | 15.6 | 15.3 | 19.2 | 22.9 | 20.3 | 19.7 | 22.8 | 17.0 | 14.3 | 13.5 | 13.4 | 15.6 | 16.8 | 16.6 | | 12915 |
| 16.0 | 14.3 | 15.9 | 19.8 | 21.2 | 18.1 | 17.9 | 21.9 | 14.9 | 14.5 | 11.6 | 12.5 | 14.2 | 15.1 | 16.6 | | 12910 |
| 16.6 | 15.0 | 16.4 | 19.7 | 22.6 | 20.7 | 21.7 | 23.9 | 16.7 | 15.5 | 14.9 | 13.4 | 14.4 | 16.1 | 16.8 | | 12925 |
| 17.2 | 15.3 | 16.7 | 19.9 | 23.4 | 21.8 | 23.2 | 24.5 | 18.8 | 16.4 | 15.0 | 14.4 | 14.0 | 15.7 | 19.0 | | 12942 |
| 16.7 | 16.9 | 17.9 | 22.7 | 24.1 | 22.5 | 22.5 | 24.7 | 19.0 | 16.3 | 14.6 | 15.0 | 16.3 | 17.1 | 19.8 | | 12840 |
| 17.2 | 15.6 | 18.8 | 21.4 | 23.4 | 22.4 | 22.9 | 24.3 | 19.6 | 16.9 | 15.3 | 15.7 | 16.5 | 17.2 | 19.6 | | 12843 |
| 16.6 | 15.0 | 17.7 | 19.6 | 23.2 | 22.7 | 22.6 | 25.0 | 20.0 | 16.5 | 14.7 | 15.3 | 15.5 | 16.6 | 18.4 | | 12950 |
| 17.3 | 15.4 | 17.7 | 20.0 | 23.6 | 22.2 | 23.5 | 25.3 | 20.9 | 17.2 | 15.7 | 15.6 | 15.7 | 16.4 | 17.9 | | 12960 |
| 17.2 | 16.3 | 17.5 | 19.7 | 23.3 | 22.9 | 23.9 | 25.4 | 22.0 | 17.4 | 16.2 | 15.6 | 16.2 | 15.8 | 18.6 | | 12982 |
| 18.0 | 16.6 | 18.6 | 21.1 | 23.7 | 22.6 | 24.1 | 26.2 | 21.1 | 17.7 | 16.2 | 16.4 | 17.0 | 17.1 | 18.9 | | 12860 |
| 10.4 | 9.4 | 10.5 | 15.3 | 18.4 | 15.3 | 16.6 | 18.4 | 12.6 | 8.9 | 7.7 | 9.2 | 8.8 | 9.1 | 11.1 | | 12851 |
| 16.0 | 13.7 | 16.8 | 21.4 | 24.0 | 20.3 | 23.2 | 23.6 | 18.1 | 16.4 | 15.1 | 15.8 | 14.4 | 14.8 | 15.8 | | 12772 |
| 15.9 | 14.7 | 16.4 | 20.7 | 23.9 | 20.1 | 21.7 | 25.2 | 18.2 | 16.0 | 14.2 | 15.2 | 13.5 | 14.6 | 16.1 | | 12893 |
| 16.0 | 15.4 | 17.1 | 19.9 | 23.9 | 21.2 | 22.6 | 25.2 | 20.8 | 16.7 | 15.2 | 15.6 | 14.1 | 15.7 | 17.1 | | 12882 |
| 16.9 | 16.8 | 17.4 | 19.7 | 24.6 | 22.3 | 24.1 | 26.0 | 23.3 | 17.5 | 16.2 | 15.6 | 17.3 | 16.3 | 18.6 | | 12992 |

NAPSÜTÉS (óra) — DURATION OF SUNSHINE (HOURS)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.6 | 0.0 | 11.1 | 11.7 | 6.2 | 6.2 | 7.8 | 3.4 | 0.9 | 9.3 | 2.0 | 0.0 | 6.6 | 12.2 | 13.2 | | 12805 |
| 12.4 | 0.0 | 10.4 | 13.6 | 9.3 | 3.4 | 5.0 | 5.5 | 0.8 | 7.0 | 0.8 | 0.8 | 9.2 | 11.2 | 11.4 | | 12812 |
| 13.0 | 0.4 | 10.9 | 11.2 | 10.0 | 9.6 | 10.6 | 8.4 | 1.7 | 10.5 | 2.1 | 3.8 | 8.9 | 12.9 | 12.9 | | 12822 |
| 11.1 | 0.0 | 12.3 | 13.6 | 11.8 | 7.9 | 8.8 | 7.9 | 0.3 | 11.8 | 1.3 | 1.0 | 8.7 | 8.9 | 13.3 | | 12825 |
| 11.2 | 0.0 | 9.9 | 10.5 | 10.0 | 5.4 | 7.1 | 6.0 | 1.2 | 10.4 | 2.4 | 1.5 | 8.3 | 10.8 | 9.8 | | 12830 |
| 12.9 | 0.0 | 14.1 | 14.2 | 12.4 | 3.8 | 10.5 | 6.2 | 3.1 | 10.4 | 1.9 | 1.9 | 4.0 | 12.5 | 14.2 | | 12920 |
| 12.8 | 0.0 | 12.9 | 13.4 | 13.4 | 6.5 | 13.2 | 7.0 | 3.8 | 11.0 | 1.4 | 1.9 | 7.5 | 12.8 | 13.6 | | 12935 |
| 13.2 | 0.0 | 12.3 | 12.9 | 12.3 | 8.5 | 11.7 | 8.1 | 1.8 | 11.2 | 2.9 | 4.2 | 2.1 | 12.4 | 12.7 | | 12930 |
| 13.2 | 0.0 | 13.6 | 14.1 | 11.5 | 5.4 | 5.5 | 6.1 | 2.9 | 10.2 | 0.8 | 1.6 | 4.8 | 12.5 | 11.2 | | 12915 |
| 11.0 | 0.0 | 12.6 | 13.2 | 10.6 | 1.7 | 5.0 | 6.2 | 0.1 | 10.5 | 0.0 | 0.5 | 4.0 | 10.5 | 10.9 | | 12910 |
| 12.1 | 0.9 | 12.1 | 13.3 | 13.2 | 6.3 | 11.8 | 7.0 | 0.5 | 12.7 | 2.5 | 0.0 | 1.5 | 11.2 | 11.9 | | 12925 |
| 14.0 | 0.7 | 11.8 | 14.4 | 13.7 | 8.9 | 12.3 | 9.5 | 4.2 | 14.2 | 2.7 | 5.7 | 1.3 | 12.6 | 13.4 | | 12942 |
| 13.1 | 0.6 | 12.5 | 12.5 | 11.7 | 6.3 | 9.8 | 9.3 | 1.4 | 12.7 | 4.1 | 7.7 | 9.8 | 11.5 | 10.4 | | 12840 |
| 14.0 | 0.1 | 12.5 | 11.9 | 11.9 | 6.0 | 11.0 | 8.2 | 3.7 | 12.7 | 4.9 | 9.4 | 8.2 | 9.5 | 9.9 | | 12843 |
| 14.5 | 0.0 | 12.9 | 13.7 | 14.0 | 8.2 | 9.2 | 8.8 | 3.5 | 11.8 | 2.9 | 10.3 | 5.0 | 13.5 | 12.6 | | 12950 |
| 14.6 | 0.0 | 12.6 | 14.0 | 14.3 | 9.9 | 12.1 | 10.5 | 5.8 | 12.5 | 3.3 | 10.8 | 1.4 | 12.9 | 13.0 | | 12960 |
| 12.3 | 2.8 | 6.7 | 13.1 | 14.5 | 10.6 | 11.3 | 10.6 | 5.6 | 13.7 | 2.4 | 12.9 | 1.1 | 8.6 | 10.5 | | 12982 |
| 10.9 | 2.2 | 9.0 | 10.3 | 11.8 | 7.2 | 11.0 | 9.2 | 7.0 | 14.0 | 9.0 | 12.5 | 9.0 | 5.8 | 9.8 | | 12860 |
| 9.3 | 0.0 | 11.6 | 12.3 | 11.0 | 8.7 | 11.5 | 7.5 | 3.1 | 13.2 | 10.3 | 12.3 | 6.1 | 8.4 | 7.9 | | 12851 |
| 7.3 | 0.3 | 6.2 | 10.9 | 10.9 | 7.0 | 12.7 | 8.3 | 2.8 | 13.3 | 9.9 | 9.8 | 2.9 | 7.1 | 7.5 | | 12772 |
| 11.1 | 4.3 | 8.8 | 11.9 | 12.0 | 6.3 | 9.6 | 8.5 | 5.0 | 12.1 | 7.2 | 6.2 | 1.5 | 5.5 | 9.3 | | 12893 |
| 8.9 | 4.3 | 7.9 | 12.0 | 12.9 | 8.1 | 11.6 | 11.3 | 8.4 | 10.8 | 7.5 | 9.8 | 4.2 | 8.4 | 9.4 | | 12882 |
| 10.6 | 4.6 | 8.7 | 13.2 | 14.8 | 12.3 | 11.1 | 11.8 | 8.1 | 12.5 | 9.2 | 10.3 | 6.0 | 4.6 | 11.5 | | 12992 |

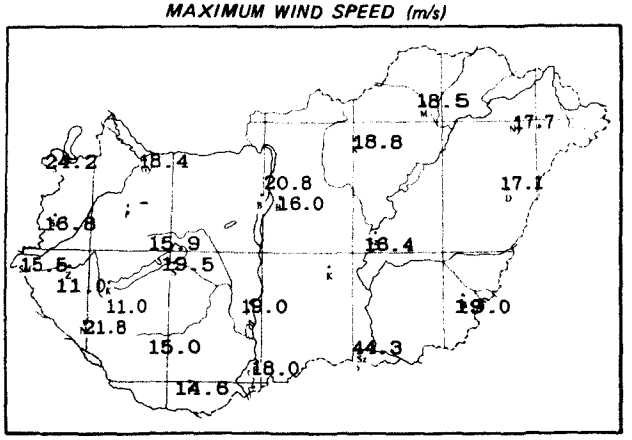
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

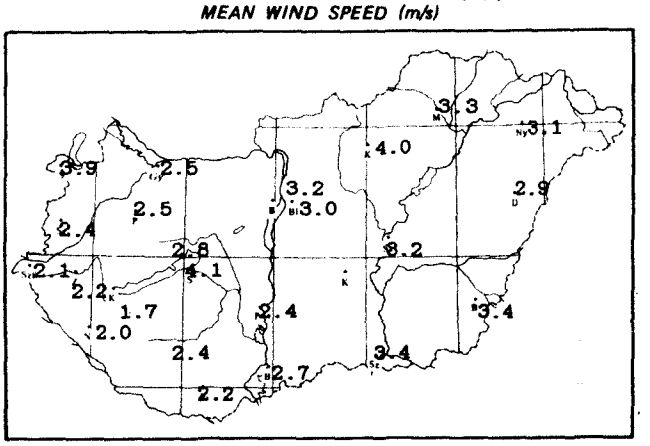
**1993.június**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap – *Clear days* | Borult nap – *Overcast days* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 223 | - | 1 | 6 | 18.3 | - | 31.5 | 7 | 8.1 | 13 | 3 | 14 | 0 | 0 | 0 | 0 |
| Szombathely | 224 | 216 | -12 | 0 | 4 | 18.1 | +0.7 | 31.1 | 20 | 6.8 | 13 | 2 | 15 | 0 | 0 | 0 | 0 |
| Győr | 115 | 268 | +21 | 3 | 3 | 19.2 | +0.8 | 31.4 | 11 | 9.1 | 25 | 4 | 18 | 0 | 0 | 0 | 0 |
| Pápa | 140 | 258 | - | 3 | 3 | 19.0 | - | 31.0 | 20 | 9.2 | 13 | 1 | 15 | 0 | 0 | 0 | 0 |
| Veszprém | 302 | 231 | - | 1 | 5 | 18.5 | - | 29.6 | 20 | 8.2 | 27 | 0 | 13 | 0 | 0 | 0 | 0 |
| Keszthely | 117 | 260 | +11 | 3 | 4 | 19.5 | +0.8 | 32.2 | 20 | 8.0 | 13 | 6 | 19 | 0 | 0 | 0 | 0 |
| Siófok | 108 | 282 | - | 3 | 3 | 20.4 | - | 31.0 | 2 | 11.4 | 2 | 2 | 17 | 0 | 0 | 0 | 0 |
| Kaposvár | 144 | 264 | - | 5 | 3 | 19.4 | - | 31.6 | 2 | 7.6 | 30 | 5 | 18 | 0 | 0 | 0 | 0 |
| Zalaegerszeg | 188 | 235 | - | 1 | 9 | 18.4 | - | 31.3 | 11 | 6.5 | 25 | 3 | 17 | 0 | 0 | 0 | 0 |
| Szentgotthárd | 221 | 212 | - | 2 | 3 | 17.6 | - | 30.0 | 7 | 6.4 | 25 | 1 | 13 | 0 | 0 | 0 | 0 |
| Nagykanizsa | 160 | 241 | - | 2 | 4 | 18.6 | - | 31.5 | 7 | 5.6 | 30 | 5 | 18 | 0 | 0 | 0 | 0 |
| Pécs | 201 | 282 | +23 | 5 | 5 | 19.3 | +0.7 | 31.1 | 23 | 9.0 | 27 | 2 | 18 | 0 | 0 | 0 | 0 |
| Budapest KMI | 120 | 286 | +35 | 2 | 3 | 20.3 | +0.6 | 32.7 | 20 | 10.7 | 27 | 6 | 18 | 0 | 0 | 0 | 0 |
| Budapest KLFI | 140 | 295 | +47 | 2 | 2 | 20.3 | +1.3 | 31.9 | 20 | 9.8 | 17 | 5 | 18 | 0 | 0 | 0 | 0 |
| Paks | 103 | 298 | - | 9 | 0 | 19.7 | - | 32.5 | 23 | 5.0 | 17 | 8 | 20 | 0 | 0 | 0 | 0 |
| Baja | 109 | 299 | - | 7 | 2 | 19.9 | - | 32.5 | 23 | 7.0 | 30 | 6 | 20 | 0 | 0 | 0 | 0 |
| Szeged | 82 | 277 | +22 | 4 | 0 | 20.1 | +0.9 | 33.0 | 23 | 8.1 | 29 | 6 | 20 | 0 | 0 | 0 | 0 |
| Szolnok | 85 | 301 | - | 2 | 0 | 20.5 | - | 32.9 | 23 | 8.9 | 27 | 6 | 20 | 0 | 0 | 0 | 0 |
| Kékestető | 989 | 295 | +59 | 2 | 3 | 13.5 | +0.5 | 24.8 | 20 | 4.6 | 29 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miskolc | 233 | 263 | +39 | 2 | 2 | 19.1 | +0.8 | 31.2 | 23 | 7.8 | 15 | 3 | 17 | 0 | 0 | 0 | 0 |
| Nyíregyháza N | 150 | 286 | - | 2 | 2 | 19.0 | - | 32.2 | 23 | 9.0 | 17 | 3 | 17 | 0 | 0 | 0 | 0 |
| Debrecen | 114 | 293 | +43 | 2 | 1 | 19.3 | +0.6 | 32.4 | 23 | 8.0 | 17 | 2 | 18 | 0 | 0 | 0 | 0 |
| Békéscsaba | 84 | 320 | - | 1 | 0 | 20.3 | - | 34.2 | 23 | 6.9 | 27 | 5 | 20 | 0 | 0 | 0 | 0 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



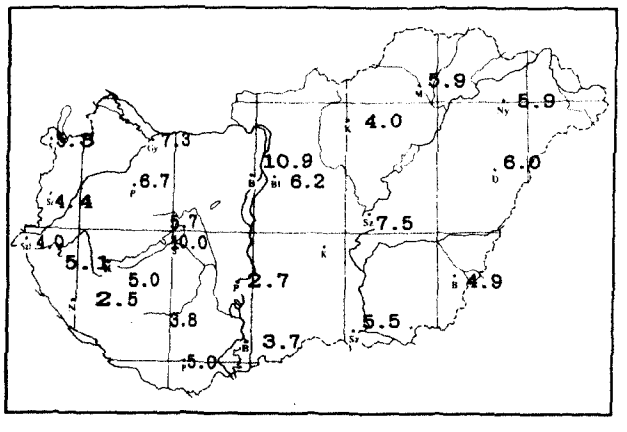
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

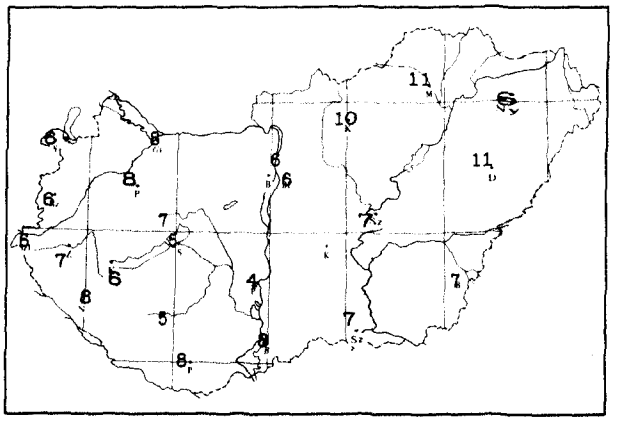
**1993. június**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* napok száma *number of days* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | napok száma *number of days* | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ⩽ 1000 m – *visibility* ⩽ 1000 m |
| 15.1 | 72 | 35 | 25 | 0 | 27 | 10 | 1 | 83 | +3 | 104 | 20.5 | 23 | 15 | 12 | 7 | 3 | 6 | 0 | 0 | 0 | 4 |
| 14.4 | 71 | 32 | 2 | 0 | 13 | 1 | 0 | 65 | -12 | 84 | 13.7 | 7 | 14 | 11 | 6 | 2 | 6 | 0 | 0 | 0 | 1 |
| 13.2 | 60 | 30 | 30 | 0 | 18 | 1 | 0 | 43 | -21 | 67 | 13.6 | 7 | 13 | 6 | 3 | 2 | 8 | 0 | 0 | 0 | 0 |
| 14.4 | 66 | 39 | 2 | 0 | 18 | 1 | 0 | 55 | -12 | 82 | 21.8 | 3 | 12 | 11 | 3 | 1 | 8 | 0 | 0 | 0 | 1 |
| 13.8 | 65 | 30 | 30 | 0 | 15 | 3 | 0 | 45 | -29 | 61 | 21.0 | 3 | 10 | 6 | 2 | 1 | 7 | 0 | 0 | 0 | 0 |
| 15.4 | 69 | 41 | 2 | 0 | 5 | 0 | 0 | 39 | -40 | 49 | 8.1 | 3 | 12 | 9 | 4 | 0 | 6 | 0 | 0 | 0 | 1 |
| 15.7 | 65 | 38 | 2 | 0 | 24 | 14 | 0 | 38 | -32 | 54 | 23.9 | 3 | 9 | 5 | 3 | 1 | 5 | 0 | 0 | 0 | 0 |
| 13.8 | 62 | 33 | 2 | 0 | 10 | 1 | 0 | 66 | -21 | 76 | 19.7 | 17 | 13 | 9 | 4 | 2 | 5 | 0 | 0 | 0 | 0 |
| 14.8 | 71 | 31 | 2 | 0 | 5 | 0 | 0 | 53 | -31 | 63 | 21.7 | 12 | 13 | 6 | 4 | 1 | 7 | 0 | 0 | 0 | 0 |
| 13.2 | 68 | 30 | 2 | 0 | 8 | 1 | 0 | 81 | -15 | 84 | 16.9 | 17 | 11 | 11 | 5 | 5 | 6 | 1 | 0 | 0 | 0 |
| 14.9 | 72 | 31 | 2 | 0 | 16 | 1 | 1 | 64 | -22 | 74 | 32.3 | 7 | 15 | 7 | 3 | 3 | 5 | 1 | 0 | 0 | 0 |
| 13.1 | 60 | 29 | 30 | 0 | 6 | 0 | 0 | 46 | -38 | 55 | 16.3 | 17 | 14 | 6 | 3 | 2 | 8 | 0 | 0 | 0 | 0 |
| 11.9 | 50 | 25 | 2 | 0 | 22 | 2 | 1 | 16 | -52 | 24 | 4.9 | 3 | 11 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 12.2 | 52 | 23 | 2 | 0 | 23 | 2 | 0 | 19 | -44 | 30 | 4.4 | 7 | 9 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 13.8 | 63 | 28 | 2 | 0 | 16 | 1 | 0 | 30 | -40 | 43 | 12.3 | 3 | 11 | 4 | 3 | 1 | 4 | 0 | 0 | 0 | 0 |
| 14.0 | 62 | 23 | 2 | 0 | 12 | 4 | 0 | 45 | -39 | 54 | 11.8 | 17 | 13 | 9 | 4 | 1 | 8 | 0 | 0 | 0 | 0 |
| 14.1 | 61 | 30 | 23 | 0 | 20 | 6 | 2 | 46 | -26 | 64 | 28.3 | 12 | 8 | 5 | 2 | 1 | 7 | 1 | 0 | 0 | 0 |
| 12.5 | 53 | 23 | 9 | 0 | 20 | 4 | 0 | 31 | -37 | 46 | 12.2 | 11 | 11 | 9 | 1 | 1 | 7 | 0 | 0 | 0 | 0 |
| 10.0 | 65 | 35 | 10 | 0 | 24 | 4 | 0 | 50 | -57 | 47 | 11.5 | 3 | 13 | 9 | 3 | 1 | 10 | 1 | 0 | 0 | 7 |
| 13.3 | 60 | 35 | 25 | 0 | 22 | 4 | 0 | 52 | -31 | 63 | 25.7 | 28 | 9 | 6 | 3 | 2 | 11 | 0 | 0 | 0 | 0 |
| 12.1 | 56 | 26 | 10 | 0 | 20 | 4 | 0 | 60 | - | - | 19.6 | 30 | 14 | 8 | 4 | 2 | 6 | 0 | 0 | 0 | 0 |
| 12.8 | 58 | 29 | 9 | 0 | 24 | 10 | 0 | 62 | -18 | 78 | 23.7 | 28 | 10 | 9 | 4 | 1 | 11 | 0 | 0 | 0 | 0 |
| 13.1 | 57 | 26 | 1 | 0 | 16 | 4 | 0 | 26 | -54 | 33 | 11.1 | 17 | 8 | 5 | 2 | 1 | 7 | 0 | 0 | 0 | 0 |

**ABSZOLÚT RADIÁCIÓS MINIMUM (°C)**
***VALUE (°C) OF ABSOLUTE RADIATION MINIMUM***




**Apr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA**
***Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)***



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

**1993.június**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mosonmagyaróvár | 257 | 18.6 | 31.0 | 7 | 9.0 | 13 | 4.5 | 13 | 66 | +5 | 108 | 27.8 | 20 |
| Rajka | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sopronhorpács | 226 | 18.5 | 30.5 | 20 | 7.2 | 25 | 5.9 | 25 | 97 | +15 | 118 | 30.0 | 23 |
| Kál d | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Körmend | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lenti | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Letenye | – | 18.9 | 31.0 | 20 | 7.5 | 30 | 4.8 | 25 | 75 | -20 | 79 | 17.8 | 17 |
| Hárskút | 291 | 16.3 | 28.5 | 20 | 6.8 | 27 | 3.5 | 27 | 27 | – | – | 7.5 | 3 |
| Farkasgyepű | – | 18.7 | 31.0 | 20 | 8.3 | 27 | 6.1 | 27 | 48 | -38 | 56 | 13.0 | 3 |
| Mencshely | 276 | 17.9 | 29.5 | 20 | 7.0 | 27 | 5.5 | 27 | 37 | -46 | 45 | 18.6 | 3 |
| Sümeg | – | 20.1 | 33.1 | 20 | 8.9 | 18 | 6.6 | 25 | 67 | -17 | 80 | 18.6 | 3 |
| Tihany | – | 20.3 | 31.4 | 20 | 9.5 | 27 | 8.7 | 27 | 41 | -29 | 59 | 20.4 | 3 |
| Zirc | – | 17.4 | 29.0 | 20 | 6.7 | 30 | 4.7 | 30 | 53 | -30 | 64 | 23.5 | 3 |
| Fonyód | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Homokszentgyörgy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Marcali | – | 20.4 | 32.5 | 11 | 10.8 | 13 | 8.0 | 25 | 30 | -53 | 36 | 9.0 | 17 |
| Somogyszob | – | 19.3 | 32.1 | 7 | 6.4 | 25 | 5.2 | 30 | 46 | -41 | 53 | 11.8 | 3 |
| Tab | – | 19.8 | 32.4 | 20 | 8.4 | 17 | 6.5 | 25 | 34 | -43 | 44 | 16.6 | 3 |
| Bábolna | – | 18.6 | 31.6 | 11 | 6.8 | 13 | 5.2 | 27 | 29 | -35 | 45 | 9.8 | 23 |
| Esztergom kertváros | – | 20.1 | 34.0 | 20 | 6.5 | 27 | 2.0 | 27 | 39 | -30 | 57 | 19.1 | 3 |
| Kisbér | – | 19.6 | 33.5 | 20 | 8.0 | 30 | 6.0 | 30 | 40 | -27 | 60 | 17.0 | 3 |
| Komárom | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Tata | – | 19.5 | 32.0 | 20 | 8.4 | 25 | 6.5 | 27 | 16 | – | – | 6.9 | 23 |
| Alcsútdoboz | – | 19.8 | 33.5 | 20 | 7.0 | 30 | 6.2 | 30 | 23 | -39 | 37 | 6.0 | 3 |
| Dunaújváros Kisapostag | – | 19.7 | 31.8 | 7 | 7.6 | 17 | 6.0 | 17 | 33 | -39 | 46 | 15.1 | 3 |
| Martonvásár | – | 18.8 | 30.3 | 23 | 7.3 | 17 | 6.0 | 13 | 16 | -46 | 26 | 7.7 | 3 |
| Mór | – | 19.1 | 32.6 | 20 | 8.0 | 27 | 6.0 | 27 | 40 | -30 | 57 | 17.4 | 3 |
| Sárbogárd | – | 20.1 | 33.2 | 23 | 9.0 | 17 | 5.5 | 27 | 22 | -51 | 30 | 16.0 | 3 |
| Székesfehérvár | – | 18.8 | 31.7 | 20 | 7.0 | 17 | 5.0 | 13 | 30 | -36 | 45 | 13.5 | 3 |
| Iregszemcse | 265 | 19.5 | 30.2 | 7 | 8.8 | 30 | 7.2 | 25 | 41 | -33 | 55 | 18.5 | 3 |
| Lengyel | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykónyi | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szekszárd | – | 19.9 | 32.0 | 23 | 9.0 | 27 | 5.0 | 30 | 46 | -32 | 59 | 24.6 | 3 |
| Pécs Árpádtető | – | 18.1 | 29.0 | 7 | 9.0 | 27 | 8.2 | 25 | 54 | -37 | 59 | 21.8 | 3 |
| Mohács | – | 20.5 | 33.6 | 23 | 9.1 | 30 | 7.6 | 10 | 33 | -45 | 42 | 10.0 | 17 |
| Siklós | – | 20.9 | 33.2 | 23 | 9.3 | 27 | 6.3 | 27 | 54 | -25 | 68 | 17.8 | 17 |
| Szigetvár | – | 19.7 | 31.6 | 23 | 7.5 | 27 | 6.1 | 30 | 55 | -34 | 62 | 19.4 | 17 |
| Bácsalmás | – | 20.9 | 33.1 | 23 | 9.8 | 27 | 6.6 | 27 | 28 | -56 | 33 | 11.6 | 17 |
| Izsák | – | 20.4 | 32.5 | 23 | 8.5 | 17 | 7.0 | 17 | 28 | -43 | 39 | 9.2 | 3 |
| Kalocsa | 295 | 20.0 | 32.3 | 7 | 7.4 | 27 | 6.5 | 27 | 26 | -45 | 37 | 12.0 | 3 |
| Kecskemét Obszervatórium | 274 | 20.2 | 32.3 | 23 | 8.3 | 17 | 4.7 | 17 | 24 | -49 | 33 | 7.1 | 3 |
| Kiskunfélegyháza | – | 20.7 | 31.7 | 23 | 8.8 | 27 | 7.2 | 27 | 41 | -29 | 59 | 17.1 | 3 |
| Kiskunhalas | – | 21.0 | 33.2 | 23 | 9.4 | 17 | 7.2 | 17 | 26 | -58 | 31 | 9.4 | 17 |
| Kunszentmiklós | – | 20.4 | 32.8 | 20 | 8.4 | 27 | 5.4 | 27 | 41 | -31 | 57 | 19.0 | 3 |
| Tiszakécske | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Balassagyarmat | – | 18.9 | 31.6 | 20 | 6.8 | 25 | 6.4 | 17 | 38 | -42 | 48 | 8.5 | 4 |
| Romhány | – | 18.2 | 34.0 | 20 | 4.5 | 30 | 1.0 | 27 | 55 | -27 | 67 | 18.0 | 23 |
| Salgótarján | – | 17.3 | 30.6 | 20 | 6.0 | 17 | 3.0 | 15 | 83 | +3 | 104 | 22.8 | 12 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

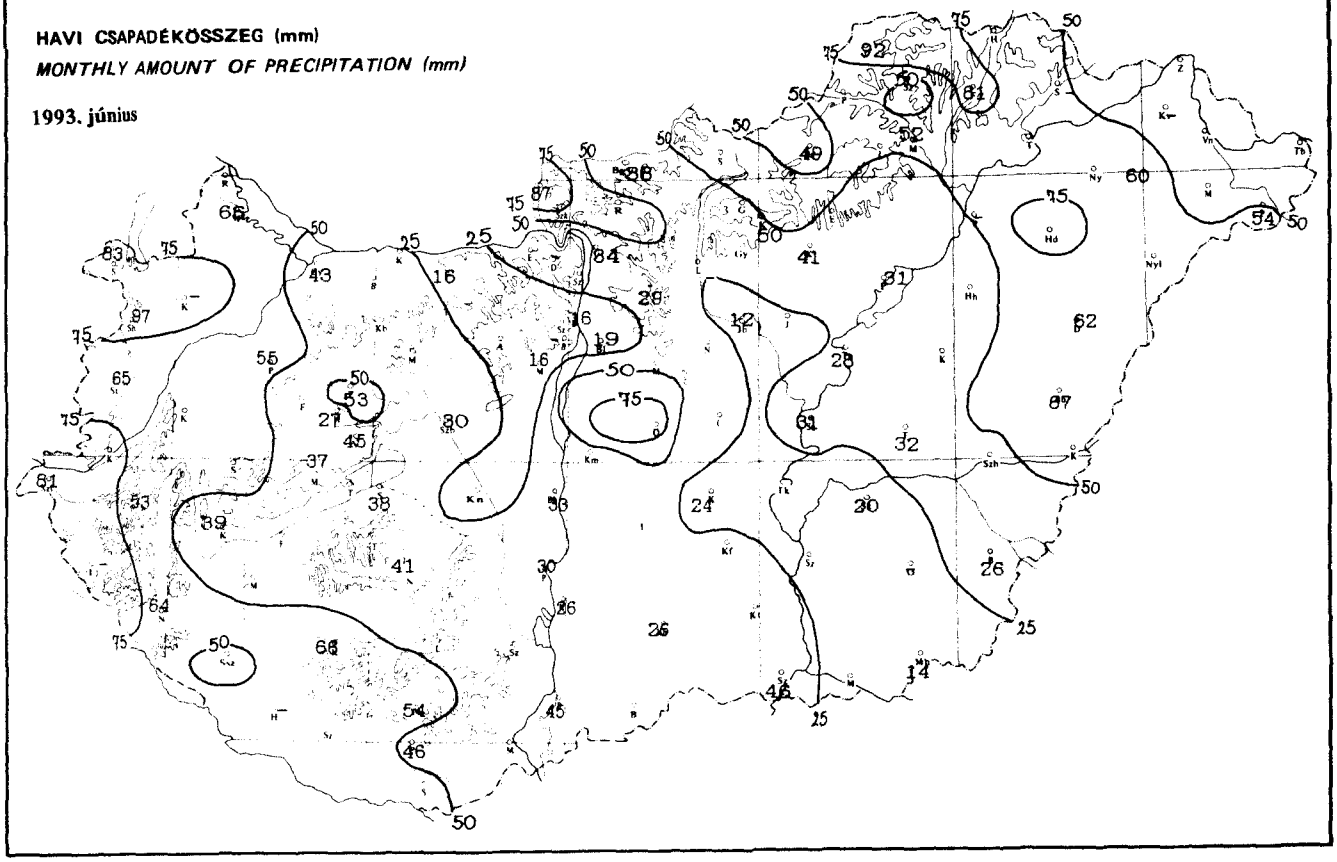
**1993.június**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 17.9 | 30.2 | 20 | 7.5 | 27 | 4.7 | 26 | 36 | -48 | 35 | 7.5 | 27 |
| Ceglédd | – | 20.5 | 33.5 | 23 | 7.6 | 27 | 4.5 | 27 | 32 | -34 | 48 | 17.9 | 4 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 290 | 19.2 | 31.1 | 20 | 7.8 | 27 | 4.5 | 27 | 29 | -46 | 39 | 8.4 | 3 |
| Szokolya Királyrét | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Monor | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykáta | – | 20.1 | 32.6 | 23 | 7.6 | 27 | 7.0 | 27 | 26 | 51 | 34 | 4.8 | 4 |
| Örkény | – | 20.5 | 33.1 | 2 | 8.2 | 27 | 8.0 | 29 | 95 | +21 | [illegible] | 40.5 | 11 |
| Szentendre | – | 20.3 | 33.0 | 20 | 9.2 | 17 | 7.9 | 27 | 35 | -32 | [illegible] | 11.5 | 11 |
| Vác | – | 19.8 | 32.7 | 20 | 6.6 | 17 | 5.8 | 17 | 34 | -39 | 47 | 11.6 | 23 |
| Vámosmikola | 249 | 18.0 | 32.1 | 20 | 6.1 | 25 | 5.4 | 25 | 87 | +15 | 121 | [illegible] | 1 |
| Eger | – | 18.8 | 30.2 | 23 | 9.2 | 25 | 8.2 | 29 | 42 | -35 | [illegible] | 15.2 | 29 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 20.2 | 33.6 | 20 | 7.9 | 27 | 3.5 | 27 | 31 | -43 | 42 | 7.1 | 30 |
| Kompolt | 272 | 19.5 | 32.2 | 23 | 5.6 | 27 | 3.6 | 17 | 41 | -34 | 55 | 16.1 | 7 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 20.6 | 32.5 | 23 | 7.4 | 27 | 4.3 | 27 | 31 | -41 | 43 | 14.4 | 30 |
| Jászapáti | – | 20.5 | 33.2 | 20 | 7.5 | 27 | 6.5 | 27 | 25 | -47 | 35 | 7.7 | 30 |
| Jászberény | – | 20.2 | 34.0 | 20 | 8.0 | 27 | 6.5 | 17 | 12 | -56 | 18 | 2.9 | 21 |
| Karcag | – | 20.5 | 34.1 | 23 | 8.6 | 17 | 7.2 | 27 | 48 | -22 | 69 | 12.4 | 24 |
| Tiszaroff | – | 20.1 | 33.0 | 23 | 8.2 | 27 | 7.0 | 27 | 28 | -40 | 41 | 7.5 | 30 |
| Törökeve | 275 | 20.8 | 34.5 | 23 | 8.8 | 27 | 7.0 | 27 | 32 | -38 | 46 | 7.7 | 23 |
| Kistelek | – | 21.0 | 34.1 | 23 | 9.5 | 27 | 6.8 | 17 | 29 | -45 | 39 | 8.5 | 17 |
| Makó | – | 21.2 | 35.8 | 23 | 8.9 | 27 | 6.0 | 17 | 22 | -55 | 29 | 8.5 | 17 |
| Szentes | – | 21.1 | 35.5 | 23 | 8.5 | 27 | 7.5 | 27 | 17 | -54 | 24 | 6.4 | 3 |
| Borsodnádasd | – | 17.6 | 31.6 | 20 | 5.8 | 10 | 1.5 | 25 | 49 | -33 | 60 | 13.2 | 28 |
| Fugöd | – | 17.5 | 31.0 | 20 | 5.2 | 26 | 4.0 | 17 | 81 | +3 | 104 | 29.6 | 28 |
| Hidasnémeti | – | 19.0 | 31.5 | 20 | 8.6 | 17 | 7.6 | 26 | 54 | -28 | 66 | 12.7 | 23 |
| Jósvafő | 242 | 17.7 | 30.2 | 20 | 6.5 | 26 | 3.8 | 27 | 92 | +4 | 105 | 33.5 | 28 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szendrőlád | – | 18.7 | 33.0 | 20 | 6.5 | 17 | 5.5 | 17 | 48 | -41 | 54 | 15.0 | 30 |
| Tokaj | – | 20.2 | 32.6 | 23 | 8.9 | 17 | 8.6 | 17 | 68 | -10 | 87 | 20.7 | 30 |
| Kisvárda | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mátészalka | – | 20.0 | 33.5 | 23 | 8.4 | 17 | 7.6 | 17 | 39 | -46 | 46 | 16.4 | 28 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 18.5 | 33.4 | 23 | 6.2 | 17 | 5.1 | 17 | 54 | -31 | 64 | 20.6 | 28 |
| Tiszabecs | – | 19.5 | 33.1 | 23 | 7.5 | 17 | 4.8 | 15 | 39 | -42 | 48 | 12.6 | 24 |
| Vásárosnamény | – | 20.4 | 34.0 | 23 | 8.5 | 17 | 7.5 | 17 | 46 | -31 | 60 | 11.2 | 28 |
| Záhony | – | 20.1 | 34.0 | 20 | 9.1 | 15 | 8.8 | 15 | 39 | -39 | 50 | 14.3 | 24 |
| Berettyóújfalu | – | 20.1 | 34.0 | 23 | 9.1 | 27 | 7.5 | 27 | 67 | -10 | 87 | 27.0 | 24 |
| Hajdúdorog | – | 20.1 | 31.4 | 23 | 9.3 | 17 | 6.4 | 17 | 78 | +3 | 104 | 23.2 | 28 |
| Hortobágy Halastó | – | 19.9 | 34.1 | 23 | 7.3 | 27 | 6.8 | 27 | 49 | -25 | 66 | 18.0 | 30 |
| Kóroszakál | – | 20.3 | 34.2 | 23 | 7.7 | 27 | 7.2 | 27 | 57 | -18 | 76 | 12.9 | 4 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 21.1 | 34.1 | 23 | 8.8 | 27 | 6.8 | 27 | 14 | -63 | 18 | 7.5 | 17 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 292 | 20.7 | 34.0 | 23 | 8.2 | 27 | 4.4 | 17 | 20 | -53 | 27 | 9.0 | 17 |
| Szeghalom | – | 20.8 | 34.9 | 23 | 8.6 | 27 | 6.4 | 27 | 33 | -44 | 43 | 7.8 | 17 |

**HAVI CSAPADÉKÖSSZEG (mm)**

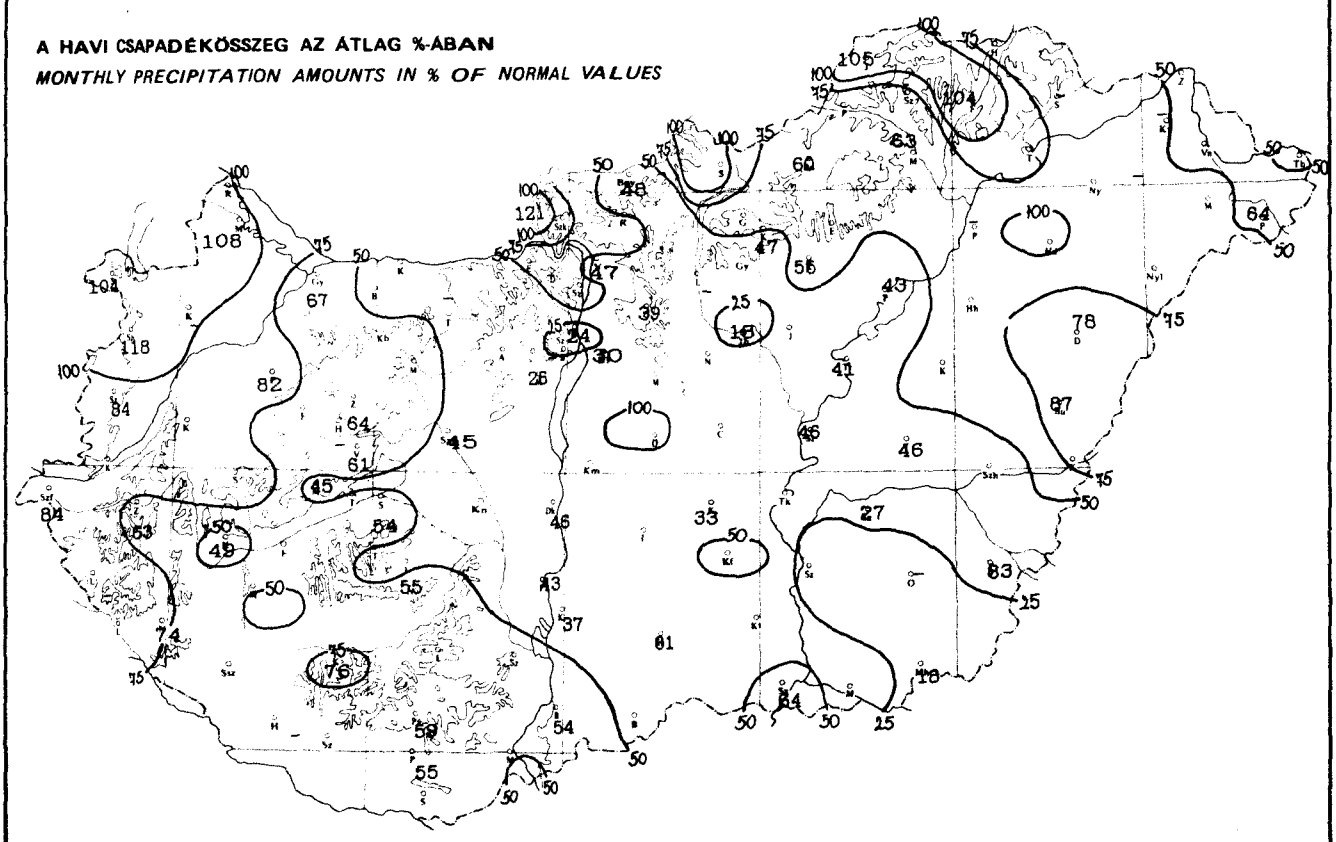
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993. június**



**A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN**

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 93.399
HU ISSN 0133 – 1582

QC989.H9I3

# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. július CXXIII. évf. 7. szám

Magyarország területén júliusban az átlag körüli, ill. az átlagosnál kissé hűvösebb, napfényben szegényebb volt az időjárás. A havi csapadék területi eloszlása rendkívül szeszélyesnek bizonyult.

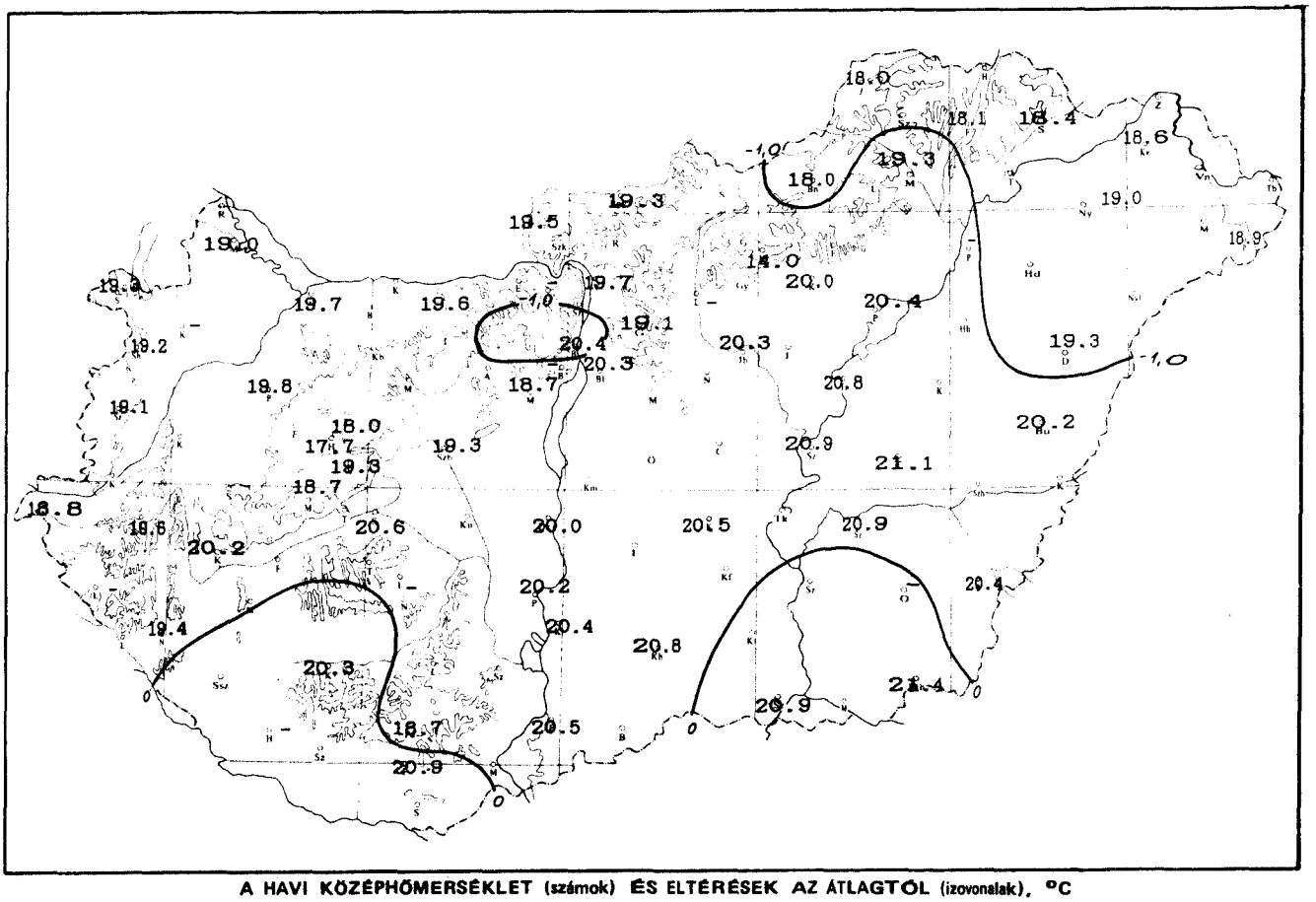
A napfénytartam az ország nagyobb területén elérte a sokévi átlag 90-95%-át, ami 5-20 órás napfényhiányt jelentett, csupán a déli, délnyugati országrészen az átlagosnál 5-10 órával többet sütött a Nap. A legtöbb napsütést (303 óra) a pécsi meteorológiai állomás jelentette, a legkevesebbet (226 óra) Sárospatak, ill. Kisvárda környékén regisztrálták.

A júliusi középhőmérséklet a síkvidéki területeken 18,0°C (Borsonádasd, Jósvafő, Zirc) és 22,2°C (Siklós) között váltakozott. A havi hőmérsékleti anomália az ország túlnyomó részén +0,5 és -1,1°C között mozgott. A hónap legmagasabb hőmérsékletét (+37,0°C) Makó térségében július 20-án mérték. A legalacsonyabb éjszakai hőmérsékletet (4,5°C) 13-án Romhányról jelentették. Az idei júliust igen markáns időjárás-változások jellemezték, a hónap folyamán igen meleg, kánikulai időszakokat gyakran erős lehűlések szakították meg.

A júliusi csapadék területi eloszlása rendkívül szeszélyesen alakult, az ország középső részén, valamint északkeleten a havi csapadékösszeg nemcsak megközelítette, hanem sokfelé meg is haladta a sokévi átlagot. Viszont a Dunántúl egyes területein és az Alföld déli részén az átlagosnál kevesebb csapadék hullott, ezeken a területeken a csapadékhozam a sokévi átlag csak 25-50%-a között váltakozott. A havi legnagyobb csapadékösszeget (121 mm-t) Nagykanizsa jelentette, Zalaegerszeg térségében viszont összesen csak 17 mm-t mértek. A 24 óra alatt hullott legnagyobb csapadékot (66,7 mm-t, 18-án a nagykanizsai meteorológiai állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1014-1016 hPa között mozgott. A tengerszinti légnyomás maximuma (1022,7 hPa) július 4-én Nagykanizsán, minimuma (1001,8 hPa) Miskolcon 11-én adódott.

A havi legerősebb széllökést (32,2 m/s-ot) július 20-án Debrecenben regisztrálták.




A HAVI KÖZÉPHŐMERSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993. július**

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | . | . | 1.8 | 0.6 | 3.1 | . | . | . | 0.0 | 12.9 | 0.0 | 0.0 | 0.0 | 1.2 |
| Szombathely | . | . | . | 7.6 | 2.3 | 1.8 | . | . | . | . | 2.2 | 12.6 | 0.0 | 0.1 | 1.4 |
| Győr | . | . | . | 2.3 | 0.4 | 2.3 | . | . | . | . | 0.9 | . | . | 0.3 | 14.7 |
| Pápa | . | . | . | 5.0 | 0.8 | 2.0 | . | . | . | . | 0.2 | 0.0 | 0.5 | . | 3.9 |
| Veszprém | . | . | . | 0.0 | 0.0 | 1.2 | . | . | . | . | 1.0 | 0.0 | . | . | 2.8 |
| Keszthely | . | . | . | . | 0.0 | 5.9 | . | . | . | 0.0 | 0.0 | 1.4 | . | 0.0 | 0.2 |
| Siófok | . | . | . | . | 2.0 | 2.7 | . | . | . | 0.0 | 0.2 | . | . | . | 6.1 |
| Kaposvár | . | . | . | . | . | 3.3 | . | . | . | 0.0 | 0.0 | 0.8 | . | . | 0.4 |
| Zalaegerszeg | . | . | . | . | 0.0 | 1.9 | . | . | . | . | 1.1 | 0.6 | . | 0.3 | 0.5 |
| Szentgotthárd | . | . | 0.2 | . | 0.0 | 2.4 | . | . | . | 0.0 | 6.0 | 9.1 | 0.7 | 0.5 | 0.7 |
| Nagykanizsa | . | . | . | . | . | 10.2 | . | . | . | . | 0.8 | 2.2 | 0.0 | 0.0 | 0.7 |
| Pécs | . | . | . | . | . | 2.9 | . | . | . | . | 2.6 | . | 0.0 | . | 2.3 |
| Budapest KMI | . | . | . | . | 5.3 | . | 0.0 | . | . | . | 3.2 | . | 0.0 | . | 0.0 |
| Budapest KLFI | . | . | . | . | 3.2 | 2.1 | . | . | . | . | 1.2 | . | 0.0 | 0.0 | 0.3 |
| Paks | . | . | . | . | . | 0.1 | . | . | . | . | 11.8 | . | 0.3 | . | 10.4 |
| Baja | . | . | . | . | . | 4.5 | . | . | . | . | 3.7 | 0.0 | 1.1 | 0.0 | 2.4 |
| Szeged | . | . | . | . | . | 1.9 | . | . | . | . | 2.5 | . | 0.1 | 0.0 | 1.3 |
| Szolnok | . | . | . | . | 0.1 | 6.7 | . | . | . | . | 2.0 | . | 0.2 | 0.0 | 0.9 |
| Kékestető | . | . | . | . | 0.5 | 1.2 | . | . | . | . | 1.4 | 0.0 | 0.3 | . | 1.3 |
| Miskolc | . | . | . | . | . | 3.5 | . | . | . | . | 1.6 | 2.0 | 2.8 | . | 0.9 |
| Nyíregyháza Nap | 3.0 | . | . | . | . | 1.4 | . | . | . | . | 0.3 | . | 1.0 | 0.0 | 1.0 |
| Debrecen | 0.0 | . | . | . | 0.0 | 16.9 | . | . | . | . | 4.5 | . | 0.0 | 0.0 | 0.1 |
| Békéscsaba | 0.0 | . | . | . | 3.2 | 3.5 | . | . | . | . | 4.2 | . | 2.1 | 0.0 | 3.5 |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 16.9 | 20.3 | 23.4 | 26.3 | 24.2 | 16.3 | 16.1 | 18.2 | 20.3 | 22.4 | 16.4 | 14.5 | 14.2 | 16.2 | 17.6 |
| Szombathely | 17.1 | 19.4 | 22.4 | 25.4 | 22.8 | 16.2 | 16.0 | 17.1 | 19.9 | 21.6 | 18.8 | 14.3 | 13.8 | 15.4 | 17.0 |
| Győr | 17.3 | 20.3 | 23.5 | 25.8 | 24.2 | 17.6 | 16.1 | 17.3 | 19.8 | 23.7 | 19.3 | 15.2 | 15.1 | 16.1 | 17.2 |
| Pápa | 17.2 | 19.8 | 23.9 | 25.7 | 23.5 | 17.1 | 16.4 | 17.4 | 20.1 | 23.6 | 20.1 | 15.2 | 14.7 | 15.9 | 17.6 |
| Veszprém | 17.0 | 20.1 | 23.1 | 25.8 | 24.4 | 17.2 | 15.4 | 16.3 | 19.1 | 22.2 | 20.3 | 14.9 | 14.5 | 15.2 | 17.6 |
| Keszthely | 18.7 | 19.8 | 23.2 | 25.4 | 24.8 | 18.3 | 16.9 | 18.7 | 20.6 | 22.4 | 20.8 | 15.2 | 15.6 | 16.4 | 18.6 |
| Siófok | 19.3 | 20.4 | 22.9 | 25.9 | 25.4 | 19.9 | 17.5 | 18.6 | 19.7 | 23.5 | 22.6 | 16.9 | 16.6 | 16.9 | 18.1 |
| Kaposvár | 17.8 | 19.7 | 22.4 | 24.8 | 25.6 | 18.5 | 17.0 | 17.3 | 19.3 | 22.6 | 22.6 | 15.2 | 16.1 | 15.3 | 18.1 |
| Zalaegerszeg | 18.5 | 18.5 | 22.4 | 23.6 | 23.2 | 18.0 | 16.4 | 18.7 | 19.4 | 23.0 | 20.2 | 13.8 | 14.4 | 15.3 | 18.1 |
| Szentgotthárd | 17.0 | 19.2 | 21.8 | 24.4 | 22.8 | 16.4 | 15.4 | 17.1 | 19.3 | 21.6 | 19.4 | 12.3 | 12.9 | 14.8 | 16.4 |
| Nagykanizsa | 17.5 | 18.4 | 21.8 | 24.3 | 24.5 | 16.9 | 15.2 | 17.2 | 18.8 | 21.4 | 21.3 | 14.1 | 14.4 | 15.0 | 18.1 |
| Pécs | 18.5 | 20.4 | 23.7 | 25.7 | 26.8 | 20.3 | 16.4 | 18.1 | 19.5 | 22.7 | 22.8 | 16.1 | 16.6 | 16.0 | 18.6 |
| Budapest KMI | 17.9 | 21.7 | 25.2 | 27.8 | 25.2 | 18.7 | 16.2 | 17.7 | 20.3 | 23.7 | 22.5 | 16.2 | 15.6 | 15.8 | 18.1 |
| Budapest KLFI | 18.2 | 21.1 | 24.5 | 27.5 | 24.7 | 18.9 | 16.9 | 17.9 | 19.8 | 22.8 | 22.7 | 16.8 | 16.8 | 16.2 | 16.7 |
| Paks | 18.1 | 19.1 | 22.7 | 25.7 | 25.6 | 20.5 | 16.5 | 16.4 | 17.7 | 21.1 | 23.5 | 17.2 | 15.9 | 16.2 | 17.9 |
| Baja | 17.8 | 20.0 | 23.3 | 25.8 | 25.8 | 20.2 | 16.3 | 16.3 | 18.1 | 22.1 | 23.7 | 17.3 | 15.6 | 15.5 | 17.3 |
| Szeged | 17.8 | 20.5 | 23.0 | 25.8 | 25.9 | 20.8 | 16.4 | 16.8 | 18.3 | 21.9 | 24.8 | 16.6 | 15.8 | 15.8 | 17.4 |
| Szolnok | 17.6 | 21.9 | 25.0 | 27.5 | 24.1 | 19.9 | 17.2 | 18.5 | 19.4 | 22.5 | 25.0 | 16.8 | 16.1 | 16.6 | 17.1 |
| Kékestető | 9.4 | 14.6 | 18.4 | 20.7 | 18.5 | 13.8 | 9.4 | 10.2 | 13.3 | 16.8 | 17.9 | 10.2 | 9.7 | 8.8 | 10.8 |
| Miskolc | 15.5 | 19.3 | 23.1 | 25.6 | 21.6 | 18.0 | 15.3 | 16.8 | 18.3 | 21.4 | 23.3 | 14.5 | 14.3 | 15.2 | 15.7 |
| Nyíregyháza Nap | 16.1 | 19.0 | 22.0 | 23.7 | 22.6 | 17.8 | 15.2 | 15.3 | 17.5 | 20.8 | 24.1 | 15.7 | 14.6 | 14.3 | 15.2 |
| Debrecen | 16.4 | 18.7 | 21.7 | 23.9 | 22.7 | 18.6 | 15.5 | 15.2 | 17.4 | 20.7 | 24.5 | 15.9 | 15.8 | 14.8 | 14.7 |
| Békéscsaba | 16.8 | 19.3 | 22.7 | 26.4 | 23.6 | 21.2 | 16.2 | 16.9 | 18.1 | 21.3 | 25.7 | 16.8 | 15.1 | 15.1 | 16.5 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 14.3 | 14.0 | 13.4 | 13.0 | 8.0 | 1.7 | 8.4 | 10.6 | 11.5 | 13.0 | 5.0 | 11.4 | 7.8 | 3.9 | 2.2 |
| Szombathely | 14.0 | 13.7 | 11.9 | 11.5 | 9.2 | 1.7 | 7.7 | 8.4 | 12.8 | 12.1 | 6.6 | 4.7 | 7.6 | 6.2 | 2.5 |
| Győr | 14.1 | 13.9 | 13.4 | 12.3 | 8.7 | 2.4 | 5.6 | 12.1 | 12.2 | 12.7 | 8.2 | 11.5 | 11.0 | 8.3 | 1.9 |
| Pápa | 14.1 | 14.2 | 13.8 | 13.0 | 7.9 | 3.1 | 5.5 | 10.9 | 13.0 | 11.9 | 6.4 | 11.4 | 8.0 | 8.0 | 2.3 |
| Veszprém | 11.8 | 11.8 | 11.4 | 11.4 | 8.1 | 1.9 | 6.8 | 9.9 | 11.9 | 10.8 | 10.0 | 6.9 | 7.9 | 8.2 | 2.3 |
| Keszthely | 14.0 | 14.2 | 13.4 | 13.6 | 10.0 | 1.2 | 8.0 | 10.5 | 13.6 | 11.6 | 9.9 | 3.7 | 8.0 | 7.5 | 4.1 |
| Siófok | 14.4 | 14.5 | 14.0 | 13.0 | 6.9 | 2.8 | 8.2 | 11.3 | 12.9 | 12.5 | 11.0 | 8.8 | 10.7 | 7.2 | 2.6 |
| Kaposvár | 13.7 | 13.8 | 12.8 | 13.2 | 10.9 | 5.1 | 9.4 | 10.4 | 13.3 | 11.9 | 10.6 | 5.1 | 12.1 | 8.8 | 2.9 |
| Zalaegerszeg | 13.9 | 13.5 | 10.8 | 13.0 | 9.2 | 0.3 | 6.0 | 9.9 | 13.1 | 10.5 | 4.9 | 5.9 | 8.9 | 5.8 | 2.4 |
| Szentgotthárd | 12.6 | 13.4 | 11.0 | 12.2 | 10.2 | 1.3 | 7.1 | 9.6 | 12.4 | 9.7 | 6.7 | 4.6 | 8.9 | 8.2 | 1.6 |
| Nagykanizsa | 13.1 | 12.4 | 12.2 | 12.6 | 10.6 | 2.4 | 7.8 | 10.6 | 12.0 | 10.8 | 8.9 | 4.1 | 10.5 | 7.9 | 2.9 |
| Pécs | 13.8 | 13.7 | 13.7 | 13.5 | 11.7 | 5.9 | 6.3 | 10.8 | 13.4 | 12.1 | 9.7 | 8.7 | 10.7 | 10.4 | 3.4 |
| Budapest KMI | 12.7 | 12.9 | 12.8 | 13.0 | 8.4 | 3.2 | 9.2 | 12.9 | 12.1 | 12.1 | 10.2 | 11.8 | 7.4 | 6.7 | 0.5 |
| Budapest KLFI | 13.7 | 14.1 | 14.1 | 13.3 | 9.3 | 3.2 | 9.3 | 13.8 | 13.1 | 12.9 | 9.3 | 13.3 | 10.0 | 8.4 | 0.2 |
| Paks | 13.9 | 13.1 | 14.2 | 13.2 | 10.4 | 4.5 | 7.0 | 10.4 | 13.4 | 12.9 | 10.0 | 8.8 | 9.9 | 8.3 | 1.8 |
| Baja | 14.0 | 13.8 | 13.7 | 13.2 | 11.6 | 6.3 | 6.8 | 11.2 | 13.3 | 12.7 | 10.4 | 11.9 | 8.9 | 7.9 | 2.3 |
| Szeged | 13.3 | 13.0 | 13.3 | 12.3 | 12.5 | 6.7 | 1.5 | 11.9 | 14.2 | 12.3 | 10.5 | 10.0 | 6.6 | 8.0 | 2.4 |
| Szolnok | 11.1 | 13.5 | 13.6 | 12.5 | 9.5 | 5.6 | 7.5 | 13.2 | 13.6 | 12.4 | 9.3 | 10.3 | 4.6 | 9.9 | 0.2 |
| Kékestető | 7.2 | 13.8 | 13.8 | 11.8 | 7.4 | 6.6 | 9.3 | 13.8 | 12.7 | 12.3 | 9.6 | 7.6 | 8.7 | 10.6 | 0.3 |
| Miskolc | 7.3 | 11.5 | 13.6 | 11.4 | 9.9 | 5.3 | 11.8 | 11.6 | 12.6 | 13.4 | 7.4 | 3.3 | 8.7 | 9.7 | 1.1 |
| Nyíregyháza Nap | 8.7 | 12.9 | 13.8 | 9.2 | 11.1 | 5.2 | 9.7 | 10.7 | 13.9 | 13.5 | 8.2 | 4.5 | 8.6 | 4.1 | 3.9 |
| Debrecen | 7.8 | 13.4 | 13.6 | 10.3 | 9.7 | 6.8 | 9.8 | 11.2 | 13.7 | 13.6 | 10.2 | 6.2 | 9.3 | 8.0 | 0.7 |
| Békéscsaba | 8.0 | 13.9 | 14.6 | 12.1 | 7.7 | 7.3 | 3.8 | 12.1 | 14.1 | 12.8 | 8.6 | 9.7 | 5.0 | 8.9 | 1.7 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

**CSAPADÉK (mm)** — 1993 július — *PRECIPITATION (mm)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.6 | 5.6 | 3.6 | 0.6 | 1.4 | . | . | 0.5 | 0.1 | 26.9 | 0.2 | 2.6 | 0.9 | . | . | 1.8 | 12805 |
| 1.8 | 12.2 | 3.1 | 0.1 | 1.2 | . | . | . | . | 2.0 | 0.5 | 0.1 | 1.3 | 0.0 | . | 0.8 | 12812 |
| 20.9 | 4.4 | 5.6 | 0.3 | 1.0 | . | 0.2 | 4.2 | . | 2.6 | 0.1 | 1.8 | 1.8 | . | . | 0.2 | 12822 |
| 15.5 | 1.2 | 7.3 | 0.0 | 1.5 | 0.0 | 0.4 | 0.6 | 0.0 | 0.2 | 0.2 | 1.8 | 0.3 | . | . | . | 12825 |
| 7.8 | 4.1 | 16.5 | . | 7.8 | 11.8 | . | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | 0.0 | . | . | 0.0 | 12830 |
| 2.4 | . | 19.3 | . | 19.4 | 7.9 | 0.0 | 0.1 | . | 0.3 | 0.6 | 0.0 | 0.8 | 0.0 | . | . | 12920 |
| 8.8 | 0.5 | 6.1 | . | 8.2 | 15.2 | . | . | . | 0.0 | 0.8 | 0.4 | 4.2 | . | . | 1.5 | 12935 |
| 0.0 | . | 7.0 | . | 8.5 | 20.9 | . | 0.0 | 0.0 | 0.0 | 3.0 | . | 0.6 | . | . | 0.0 | 12930 |
| 2.0 | . | 1.8 | . | 1.2 | 1.5 | . | . | . | 2.8 | 1.5 | 0.0 | 2.1 | . | . | . | 12915 |
| 6.3 | . | 8.4 | 0.3 | 0.9 | . | 0.0 | . | . | 3.9 | 4.0 | . | 1.2 | . | . | . | 12910 |
| 0.0 | . | 66.7 | 0.0 | 20.3 | 15.6 | 2.7 | 0.3 | . | 0.1 | 1.3 | 0.0 | 0.0 | . | . | 0.2 | 12925 |
| . | . | 18.6 | . | 2.0 | 24.2 | . | . | . | . | 0.1 | . | . | . | . | . | 12942 |
| 6.0 | 0.5 | 3.8 | 0.0 | 3.3 | 10.3 | 31.0 | 0.1 | 0.0 | 0.0 | 0.2 | . | 0.0 | . | . | 0.9 | 12840 |
| 4.0 | 0.0 | 16.4 | 1.0 | 6.0 | 14.5 | 23.6 | . | 0.0 | 0.0 | 0.4 | 0.3 | 0.6 | . | . | 0.6 | 12843 |
| 7.5 | . | 1.1 | . | 0.4 | 23.2 | 0.9 | 0.2 | 0.0 | . | 0.5 | . | 1.3 | . | . | . | 12950 |
| 2.3 | . | 0.7 | . | 0.8 | 18.2 | 0.3 | . | 0.0 | . | 0.2 | . | 0.0 | . | . | . | 12960 |
| 2.1 | . | 0.5 | . | . | 2.7 | 3.8 | 0.1 | . | . | 4.4 | . | 0.0 | . | . | . | 12982 |
| 8.2 | . | 3.8 | 0.0 | 1.8 | 6.0 | 2.0 | 0.4 | 0.0 | . | 0.0 | 0.0 | 0.3 | . | . | . | 12860 |
| 7.4 | 0.3 | 6.9 | 0.2 | 4.7 | 8.2 | 10.4 | 0.3 | 0.0 | . | 0.3 | 1.4 | 1.2 | . | . | 2.4 | 12851 |
| 1.2 | 18.0 | 0.3 | . | 6.1 | 8.6 | 3.5 | 0.3 | . | . | 0.1 | 0.1 | . | . | . | . | 12772 |
| 1.0 | 1.0 | . | . | 14.8 | 9.4 | 22.4 | 2.0 | 0.0 | . | 0.0 | 0.0 | 0.0 | . | . | 1.6 | 12893 |
| 2.0 | . | 0.1 | . | 3.5 | 10.2 | 2.7 | 3.1 | 0.0 | . | 0.0 | 0.0 | 0.0 | . | . | 2.1 | 12882 |
| 2.1 | . | 5.3 | . | . | 13.4 | 1.2 | 3.8 | 0.7 | . | 0.1 | 0.0 | 0.1 | . | . | 0.4 | 12992 |

**KÖZÉPHŐMÉRSÉKLET (°C)** — *DAILY MEAN TEMPERATURE (°C)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.1 | 21.8 | 21.1 | 21.7 | 17.0 | 17.9 | 17.4 | 17.8 | 20.7 | 20.7 | 16.0 | 17.8 | 17.8 | 21.2 | 24.2 | 22.2 | 12805 |
| 20.7 | 21.7 | 20.6 | 21.4 | 18.0 | 17.5 | 17.7 | 17.5 | 20.7 | 21.0 | 15.3 | 17.5 | 18.4 | 20.6 | 23.9 | 23.1 | 12812 |
| 19.8 | 21.8 | 20.5 | 23.0 | 18.6 | 18.5 | 17.5 | 16.6 | 20.8 | 22.4 | 17.2 | 18.0 | 18.3 | 21.1 | 24.1 | 24.4 | 12822 |
| 19.7 | 21.9 | 21.0 | 22.4 | 19.4 | 17.8 | 17.5 | 17.5 | 20.6 | 22.9 | 17.1 | 18.0 | 19.3 | 21.5 | 24.7 | 24.9 | 12825 |
| 19.5 | 21.6 | 20.7 | 22.3 | 20.2 | 15.0 | 16.4 | 16.3 | 20.0 | 21.2 | 16.6 | 18.6 | 19.1 | 20.9 | 22.8 | 23.3 | 12830 |
| 21.0 | 22.9 | 23.0 | 23.3 | 20.9 | 15.7 | 18.5 | 17.5 | 19.8 | 22.5 | 17.0 | 18.8 | 19.3 | 21.0 | 24.3 | 24.5 | 12920 |
| 20.0 | 22.0 | 22.0 | 22.8 | 22.4 | 16.7 | 18.6 | 18.3 | 20.6 | 22.7 | 18.9 | 20.0 | 19.7 | 22.0 | 24.2 | 23.8 | 12935 |
| 21.4 | 23.7 | 23.7 | 23.5 | 23.7 | 15.5 | 17.4 | 17.6 | 19.5 | 23.4 | 17.4 | 18.7 | 20.0 | 21.3 | 23.8 | 25.2 | 12930 |
| 20.9 | 22.2 | 22.0 | 23.5 | 20.5 | 16.5 | 19.2 | 15.8 | 18.7 | 23.4 | 16.3 | 18.2 | 19.7 | 21.8 | 23.9 | 25.0 | 12915 |
| 20.3 | 21.9 | 20.6 | 20.7 | 18.0 | 16.6 | 17.8 | 17.6 | 20.0 | 21.6 | 13.7 | 16.7 | 18.1 | 20.2 | 23.9 | 23.5 | 12910 |
| 22.1 | 23.6 | 22.8 | 22.8 | 20.1 | 15.0 | 17.1 | 16.1 | 19.3 | 21.7 | 16.4 | 17.9 | 19.3 | 21.4 | 23.4 | 23.9 | 12925 |
| 21.5 | 24.7 | 25.8 | 23.8 | 24.6 | 17.2 | 16.4 | 17.2 | 19.8 | 23.7 | 18.9 | 19.3 | 20.9 | 22.7 | 24.2 | 25.4 | 12942 |
| 19.5 | 22.2 | 20.9 | 24.1 | 22.7 | 16.8 | 15.4 | 17.5 | 20.6 | 23.4 | 18.6 | 19.2 | 19.5 | 21.9 | 23.7 | 25.0 | 12840 |
| 19.0 | 21.9 | 20.8 | 23.6 | 22.9 | 16.9 | 15.0 | 17.6 | 20.0 | 22.9 | 18.9 | 18.8 | 19.0 | 21.8 | 22.8 | 24.7 | 12843 |
| 20.2 | 22.8 | 23.9 | 24.3 | 23.0 | 16.9 | 15.1 | 16.6 | 19.6 | 22.6 | 18.7 | 19.1 | 19.4 | 21.6 | 22.4 | 24.8 | 12950 |
| 20.8 | 24.0 | 25.4 | 25.2 | 23.7 | 17.4 | 15.4 | 17.3 | 19.7 | 22.5 | 18.6 | 19.0 | 20.2 | 22.2 | 23.1 | 25.8 | 12960 |
| 20.4 | 23.2 | 25.4 | 25.7 | 26.4 | 20.7 | 15.9 | 17.2 | 19.5 | 23.2 | 20.0 | 19.3 | 20.1 | 22.6 | 23.3 | 26.6 | 12982 |
| 20.3 | 23.0 | 23.5 | 24.0 | 24.5 | 18.5 | 16.3 | 17.2 | 19.6 | 24.3 | 20.1 | 20.2 | 19.5 | 22.5 | 23.6 | 25.7 | 12860 |
| 13.4 | 16.7 | 16.3 | 18.2 | 17.7 | 12.7 | 9.7 | 9.7 | 11.8 | 17.3 | 12.6 | 12.9 | 11.9 | 14.4 | 16.8 | 19.8 | 12851 |
| 18.5 | 20.0 | 21.0 | 22.6 | 23.8 | 17.6 | 15.2 | 15.7 | 18.8 | 23.2 | 20.0 | 19.4 | 18.9 | 21.1 | 21.5 | 23.7 | 12772 |
| 18.5 | 20.3 | 21.5 | 22.6 | 25.2 | 20.2 | 14.9 | 15.0 | 17.1 | 21.5 | 20.3 | 18.9 | 17.4 | 19.7 | 20.1 | 22.4 | 12893 |
| 18.8 | 21.4 | 21.3 | 22.8 | 25.9 | 21.3 | 16.2 | 15.4 | 17.1 | 21.2 | 20.3 | 18.5 | 17.4 | 20.8 | 20.9 | 23.9 | 12882 |
| 20.5 | 22.9 | 22.6 | 24.1 | 27.4 | 22.3 | 16.9 | 15.7 | 18.6 | 22.5 | 21.0 | 19.6 | 19.0 | 22.2 | 21.5 | 24.7 | 12992 |

**NAPSÜTÉS (óra)** — *DURATION OF SUNSHINE (HOURS)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.7 | 6.2 | 6.4 | 6.4 | 0.4 | 9.7 | 7.9 | 11.7 | 7.9 | 10.4 | 0.3 | 10.7 | 0.0 | 7.6 | 12.8 | 8.4 | 12805 |
| 5.2 | 6.0 | 4.5 | 5.6 | 1.2 | 5.1 | 8.5 | 10.0 | 9.6 | 9.8 | 0.0 | 7.4 | 0.3 | 5.8 | 12.4 | 11.6 | 12812 |
| 4.7 | 8.6 | 5.4 | 10.2 | 0.7 | 4.5 | 1.8 | 11.0 | 9.3 | 10.7 | 0.0 | 12.1 | 0.2 | 12.4 | 11.8 | 12.5 | 12822 |
| 4.4 | 10.8 | 5.1 | 6.5 | 0.3 | 1.9 | 6.8 | 10.5 | 12.6 | 11.5 | 0.0 | 12.2 | 0.0 | 10.2 | 12.8 | 9.7 | 12825 |
| 5.1 | 8.3 | 7.3 | 7.0 | 4.9 | 0.0 | 1.4 | 11.6 | 9.6 | 12.7 | 0.2 | 11.9 | 0.3 | 10.3 | 10.4 | 11.4 | 12830 |
| 5.9 | 9.8 | 8.2 | 9.1 | 2.8 | 0.0 | 7.3 | 10.7 | 6.1 | 13.3 | 0.1 | 11.2 | 0.8 | 6.1 | 13.3 | 11.9 | 12920 |
| 5.0 | 10.2 | 8.2 | 8.8 | 7.6 | 0.0 | 2.3 | 12.5 | 8.4 | 13.6 | 0.2 | 11.9 | 0.0 | 9.8 | 12.6 | 12.1 | 12935 |
| 7.3 | 11.9 | 9.8 | 10.4 | 9.2 | 0.0 | 6.7 | 11.1 | 8.3 | 12.7 | 1.7 | 10.8 | 2.8 | 9.4 | 13.0 | 12.7 | 12930 |
| 5.9 | 6.8 | 7.9 | 6.7 | 1.2 | 1.4 | 9.0 | 8.3 | 7.9 | 13.2 | 0.0 | 10.3 | 0.1 | 5.5 | 13.2 | 11.4 | 12915 |
| 5.8 | 5.0 | 7.6 | 5.2 | 0.8 | 3.8 | 6.7 | 11.0 | 10.5 | 12.8 | 0.0 | 12.3 | 0.3 | 5.2 | 13.3 | 10.5 | 12910 |
| 6.0 | 10.6 | 8.4 | 9.7 | 4.8 | 0.0 | 7.4 | 9.6 | 8.1 | 12.2 | 0.0 | 10.7 | 3.2 | 8.5 | 12.5 | 11.9 | 12925 |
| 8.8 | 12.6 | 13.0 | 11.8 | 9.0 | 3.9 | 3.2 | 9.1 | 9.8 | 13.1 | 1.5 | 11.6 | 2.8 | 9.6 | 13.1 | 12.7 | 12942 |
| 3.5 | 9.6 | 4.9 | 6.4 | 7.4 | 0.0 | 0.0 | 12.2 | 9.0 | 11.7 | 0.0 | 10.4 | 1.4 | 12.5 | 11.4 | 11.3 | 12840 |
| 4.1 | 10.1 | 5.1 | 8.1 | 8.2 | 0.0 | 0.0 | 11.3 | 8.7 | 12.8 | 0.7 | 12.3 | 2.6 | 13.9 | 12.5 | 12.4 | 12843 |
| 6.7 | 11.4 | 10.6 | 9.7 | 9.1 | 2.5 | 0.0 | 11.3 | 7.9 | 12.4 | 1.5 | 13.1 | 0.3 | 9.3 | 12.6 | 13.2 | 12950 |
| 8.6 | 12.7 | 12.8 | 11.2 | 7.2 | 6.6 | 0.0 | 12.7 | 9.2 | 13.0 | 2.2 | 12.0 | 2.5 | 9.4 | 13.2 | 11.6 | 12960 |
| 6.6 | 9.8 | 12.7 | 11.5 | 10.0 | 10.0 | 0.1 | 8.4 | 8.0 | 13.4 | 4.4 | 10.6 | 1.8 | 11.3 | 13.2 | 12.4 | 12982 |
| 6.9 | 11.5 | 9.6 | 8.4 | 7.5 | 5.0 | 0.0 | 6.7 | 7.2 | 13.5 | 2.1 | 12.1 | 1.1 | 13.3 | 12.9 | 12.3 | 12860 |
| 3.0 | 10.1 | 5.4 | 8.0 | 6.3 | 0.0 | 0.0 | 9.9 | 4.9 | 12.7 | 0.3 | 11.8 | 1.4 | 13.1 | 12.0 | 12.1 | 12851 |
| 3.3 | 8.2 | 8.4 | 5.0 | 5.9 | 0.7 | 0.1 | 4.7 | 7.9 | 12.8 | 2.5 | 9.7 | 2.0 | 12.0 | 12.7 | 12.3 | 12772 |
| 5.0 | 7.8 | 6.6 | 8.6 | 11.0 | 8.3 | 0.6 | 1.4 | 5.6 | 12.3 | 3.4 | 10.1 | 2.2 | 11.0 | 12.2 | 12.8 | 12893 |
| 4.9 | 7.6 | 6.6 | 6.1 | 12.2 | 11.3 | 0.4 | 1.6 | 4.1 | 13.5 | 6.1 | 10.4 | 0.7 | 11.6 | 13.2 | 13.1 | 12882 |
| 6.4 | 12.5 | 10.4 | 9.7 | 12.4 | 11.9 | 0.6 | 3.7 | 4.9 | 14.5 | 8.1 | 10.0 | 0.5 | 13.9 | 13.7 | 14.2 | 12992 |

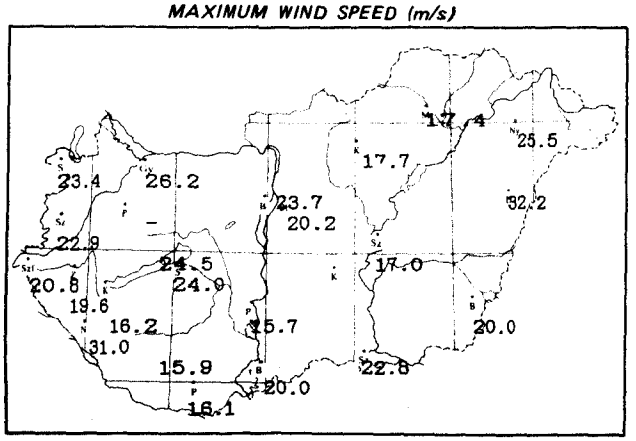
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

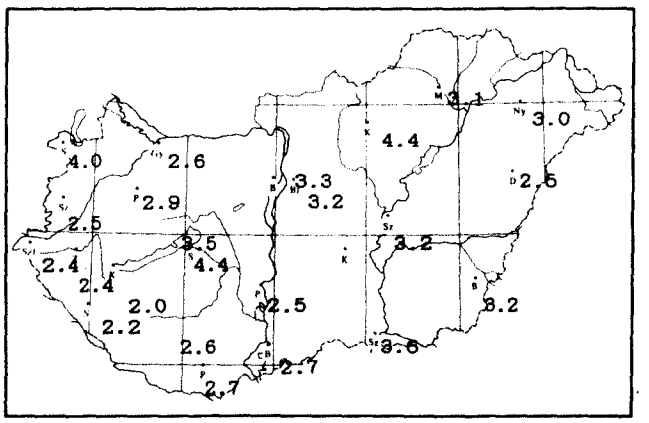
**1993. július**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap – *Clear days* | Borult nap – *Overcast days* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 250 | – | 4 | 5 | 19.3 | - | 32.6 | 4 | 8.5 | 12 | 8 | 17 | 0 | 0 | 0 | 0 |
| Szombathely | 224 | 234 | -21 | 4 | 4 | 19.1 | -0.1 | 33.5 | 4 | 8.0 | 27 | 9 | 18 | 0 | 0 | 0 | 0 |
| Győr | 115 | 264 | -6 | 4 | 7 | 19.7 | -0.5 | 33.0 | 4 | 8.9 | 12 | 7 | 19 | 0 | 0 | 0 | 0 |
| Pápa | 140 | 259 | – | 5 | 6 | 19.8 | - | 32.8 | 4 | 9.1 | 12 | 5 | 18 | 0 | 0 | 0 | 0 |
| Veszprém | 302 | 244 | – | 2 | 6 | 19.3 | - | 32.4 | 31 | 10.0 | 7 | 5 | 19 | 0 | 0 | 0 | 0 |
| Keszthely | 117 | 260 | -21 | 7 | 4 | 20.2 | -0.1 | 34.0 | 31 | 7.5 | 13 | 8 | 22 | 0 | 0 | 0 | 0 |
| Siófok | 108 | 274 | – | 7 | 3 | 20.6 | - | 31.4 | 30 | 11.8 | 2 | 6 | 19 | 0 | 0 | 0 | 0 |
| Kaposvár | 144 | 292 | – | 8 | 4 | 20.3 | - | 34.6 | 31 | 8.7 | 9 | 10 | 21 | 0 | 0 | 0 | 0 |
| Zalaegerszeg | 188 | 237 | – | 5 | 9 | 19.6 | - | 35.1 | 31 | 6.8 | 14 | 8 | 20 | 0 | 0 | 0 | 0 |
| Szentgotthárd | 221 | 240 | – | 6 | 5 | 18.8 | - | 33.1 | 31 | 6.9 | 14 | 4 | 17 | 0 | 0 | 0 | 0 |
| Nagykanizsa | 160 | 264 | – | 6 | 4 | 19.4 | - | 34.5 | 31 | 6.2 | 13 | 9 | 21 | 0 | 0 | 0 | 0 |
| Pécs | 201 | 303 | +10 | 8 | 3 | 20.9 | +0.4 | 34.3 | 31 | 9.1 | 14 | 11 | 23 | 0 | 0 | 0 | 0 |
| Budapest KMI | 120 | 258 | -21 | 4 | 5 | 20.4 | -1.1 | 33.5 | 31 | 11.1 | 12 | 7 | 18 | 0 | 0 | 0 | 0 |
| Budapest KLFI | 140 | 281 | +7 | 4 | 5 | 20.3 | -0.5 | 33.8 | 31 | 9.8 | 9 | 6 | 19 | 0 | 0 | 0 | 0 |
| Paks | 103 | 284 | – | 8 | 2 | 20.2 | - | 35.3 | 31 | 5.0 | 9 | 13 | 22 | 0 | 0 | 0 | 0 |
| Baja | 109 | 303 | – | 7 | 2 | 20.5 | - | 35.0 | 31 | 7.1 | 9 | 12 | 23 | 0 | 0 | 0 | 0 |
| Szeged | 82 | 293 | +5 | 6 | 2 | 20.9 | +0.1 | 35.4 | 31 | 6.4 | 9 | 13 | 22 | 0 | 0 | 0 | 0 |
| Szolnok | 85 | 277 | – | 4 | 1 | 20.9 | - | 35.0 | 31 | 10.6 | 15 | 12 | 20 | 0 | 0 | 0 | 0 |
| Kékestető | 989 | 257 | -11 | 5 | 4 | 14.0 | -0.8 | 25.0 | 31 | 5.0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Miskolc | 233 | 247 | -8 | 4 | 4 | 19.3 | -0.6 | 31.2 | 4 | 8.9 | 1 | 4 | 18 | 0 | 0 | 0 | 0 |
| Nyíregyháza N | 150 | 257 | – | 5 | 2 | 19.0 | - | 32.8 | 20 | 8.5 | 9 | 3 | 17 | 0 | 0 | 0 | 0 |
| Debrecen | 114 | 268 | -14 | 6 | 4 | 19.3 | -1.0 | 33.5 | 20 | 7.7 | 15 | 4 | 21 | 0 | 0 | 0 | 0 |
| Békéscsaba | 84 | 288 | – | 7 | 2 | 20.4 | - | 35.4 | 20 | 7.1 | 15 | 12 | 21 | 0 | 0 | 0 | 0 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
***MAXIMUM WIND SPEED (m/s)***




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
***MEAN WIND SPEED (m/s)***



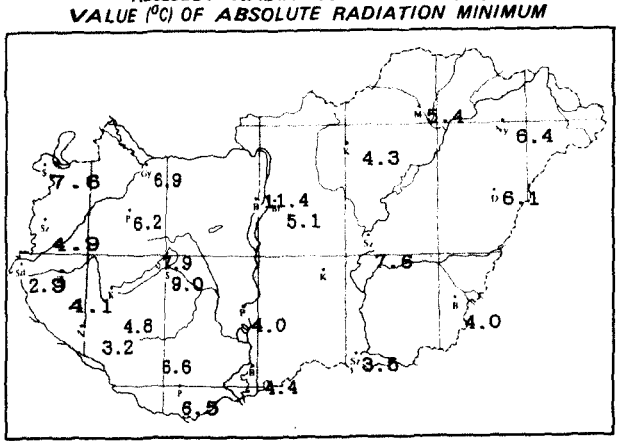
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

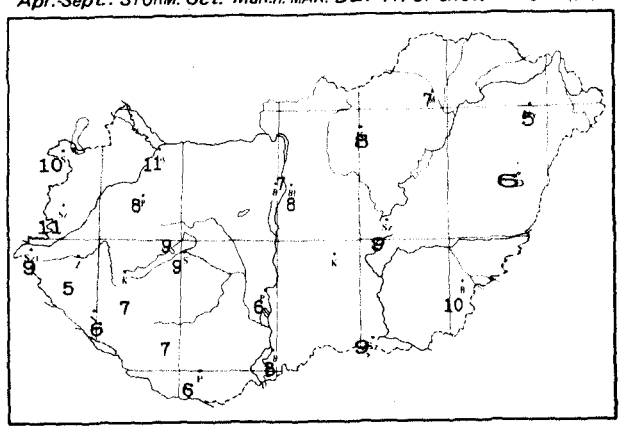
1993 július

| Légnedvesség – *Humidity* | | | | Szél – *Wind* napok száma *number of days* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | napok száma *number of days* | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ⩽ 1000 m – *visibility* ⩽ 1000 m |
| 15.8 | 70 | 41 | 8 | 0 | 27 | 12 | 4 | 66 | -8 | 89 | 26.9 | 25 | 17 | 11 | 3 | 2 | 10 | 0 | 0 | 0 | 0 |
| 14.8 | 68 | 33 | 3 | 0 | 15 | 4 | 1 | 51 | -27 | 65 | 12.6 | 12 | 17 | 12 | 3 | 2 | 11 | 1 | 0 | 0 | 0 |
| 14.3 | 63 | 33 | 3 | 0 | 19 | 6 | 2 | 64 | +12 | 123 | 20.9 | 16 | 18 | 11 | 3 | 2 | 11 | 0 | 0 | 0 | 0 |
| 15.2 | 66 | 39 | 3 | 0 | 19 | 6 | 2 | 41 | -20 | 67 | 15.5 | 16 | 16 | 8 | 3 | 1 | 8 | 0 | 0 | 0 | 0 |
| 14.2 | 64 | 29 | 4 | 0 | 20 | 6 | 1 | 54 | -9 | 86 | 16.5 | 18 | 10 | 9 | 4 | 2 | 9 | 0 | 0 | 0 | 1 |
| 16.7 | 71 | 39 | 27 | 0 | 5 | 1 | 0 | 58 | -15 | 79 | 19.4 | 20 | 11 | 6 | 4 | 2 | 7 | 0 | 0 | 0 | 0 |
| 16.5 | 67 | 38 | 10 | 0 | 24 | 16 | 7 | 57 | +2 | 104 | 15.2 | 21 | 13 | 9 | 5 | 1 | 9 | 0 | 0 | 0 | 0 |
| 13.9 | 60 | 29 | 10 | 0 | 12 | 4 | 0 | 45 | -24 | 65 | 20.9 | 21 | 8 | 5 | 3 | 1 | 7 | 0 | 0 | 0 | 0 |
| 14.8 | 66 | 31 | 4 | 0 | 10 | 2 | 0 | 17 | -66 | 20 | 2.8 | 25 | 12 | 9 | 0 | 0 | 5 | 0 | 0 | 0 | 1 |
| 13.5 | 63 | 30 | 14 | 0 | 13 | 4 | 1 | 45 | -51 | 47 | 9.1 | 12 | 14 | 8 | 4 | 0 | 9 | 0 | 0 | 0 | 0 |
| 15.3 | 70 | 27 | 4 | 0 | 13 | 6 | 3 | 121 | +37 | 144 | 66.7 | 18 | 12 | 7 | 4 | 4 | 6 | 1 | 0 | 0 | 0 |
| 13.2 | 55 | 23 | 10 | 0 | 14 | 2 | 0 | 53 | -8 | 87 | 24.2 | 21 | 7 | 6 | 2 | 2 | 6 | 0 | 0 | 0 | 0 |
| 13.0 | 55 | 12 | 20 | 0 | 25 | 10 | 2 | 65 | +20 | 144 | 31.0 | 22 | 11 | 7 | 4 | 2 | 7 | 0 | 0 | 0 | 0 |
| 13.5 | 59 | 22 | 12 | 0 | 25 | 11 | 1 | 74 | +22 | 142 | 23.6 | 22 | 14 | 9 | 4 | 3 | 8 | 0 | 0 | 0 | 1 |
| 14.6 | 64 | 26 | 4 | 0 | 16 | 4 | 0 | 58 | -4 | 94 | 23.2 | 21 | 12 | 6 | 4 | 3 | 6 | 0 | 0 | 0 | 0 |
| 13.7 | 59 | 23 | 27 | 0 | 14 | 2 | 1 | 34 | -18 | 65 | 18.2 | 21 | 10 | 6 | 1 | 1 | 8 | 0 | 0 | 0 | 0 |
| 13.5 | 57 | 27 | 4 | 0 | 22 | 10 | 2 | 19 | -31 | 38 | 4.4 | 26 | 10 | 7 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |
| 13.8 | 57 | 22 | 4 | 0 | 20 | 5 | 0 | 32 | -18 | 64 | 8.2 | 16 | 12 | 7 | 3 | 0 | 9 | 0 | 0 | 0 | 0 |
| 10.9 | 68 | 39 | 25 | 0 | 25 | 8 | 0 | 48 | -29 | 62 | 10.4 | 22 | 17 | 11 | 4 | 1 | 8 | 0 | 0 | 0 | 5 |
| 14.4 | 64 | 37 | 3 | 0 | 21 | 7 | 0 | 49 | -11 | 82 | 18.0 | 17 | 14 | 9 | 3 | 1 | 7 | 0 | 0 | 0 | 0 |
| 14.3 | 66 | 32 | 10 | 0 | 16 | 4 | 2 | 59 | - | - | 22.4 | 22 | 12 | 11 | 3 | 2 | 5 | 0 | 0 | 0 | 1 |
| 14.1 | 63 | 34 | 10 | 0 | 18 | 7 | 2 | 45 | -20 | 69 | 16.9 | 6 | 10 | 8 | 2 | 2 | 6 | 0 | 0 | 0 | 1 |
| 14.5 | 62 | 25 | 10 | 0 | 20 | 5 | 1 | 44 | -16 | 73 | 13.4 | 21 | 14 | 10 | 2 | 1 | 10 | 1 | 0 | 0 | 0 |

ABSZOLÚT RADIÁCIÓS MINIMUM (°C)
*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA
*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

**1993. július**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mosonmagyaróvár | 254 | 19.0 | 32.4 | 4 | 8.6 | 12 | 6.0 | 2 | 65 | +8 | 114 | 15.2 | 25 |
| Rajka | – | 20.1 | 32.6 | 5 | 9.0 | 2 | 6.1 | 2 | 66 | +7 | 112 | 13.7 | 15 |
| Sopronhorpács | 237 | 19.2 | 33.0 | 31 | 8.9 | 27 | 7.2 | 13 | 75 | -1 | 99 | 20.9 | 19 |
| Káld | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Körmend | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lenti | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Letenye | – | 19.7 | 33.0 | 31 | 6.0 | 14 | 4.0 | 14 | 68 | -14 | 83 | 22.5 | 18 |
| Hárskút | 257 | 17.7 | 30.4 | 4 | 7.0 | 12 | 6.2 | 2 | 94 | – | – | 25.2 | 16 |
| Farkasgyepű | – | 19.2 | 31.5 | 4 | 8.2 | 1 | 6.1 | 1 | 86 | +13 | 118 | 24.0 | 16 |
| Mencshely | 250 | 18.7 | 32.0 | 31 | 7.8 | 14 | 4.4 | 14 | 69 | +1 | 101 | 18.0 | 18 |
| Sümeg | – | 20.9 | 34.9 | 31 | 7.7 | 13 | 6.4 | 13 | 50 | -26 | 66 | 14.7 | 18 |
| Tihany | – | 20.6 | 34.0 | 31 | 10.5 | 14 | 9.6 | 14 | 58 | -2 | 97 | 16.6 | 18 |
| Zirc | – | 18.0 | 30.8 | 31 | 7.2 | 2 | 5.1 | 2 | 59 | -9 | 87 | 16.8 | 16 |
| Fonyód | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Homokszentgyörgy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Marcali | – | 21.6 | 35.5 | 31 | 10.6 | 9 | 8.5 | 13 | 63 | -9 | 88 | 27.7 | 21 |
| Somogyszob | – | 20.4 | 35.6 | 31 | 4.9 | 14 | 3.2 | 14 | 34 | -37 | 48 | 14.3 | 21 |
| Tab | – | 20.7 | 34.7 | 31 | 8.0 | 9 | 6.5 | 9 | 58 | -10 | 85 | 27.8 | 21 |
| Bábolna | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Esztergom kertváros | – | 20.4 | 35.0 | 4 | 8.1 | 9 | 4.6 | 9 | 76 | +21 | 138 | 29.0 | 16 |
| Kisbér | – | 20.5 | 36.0 | 31 | 8.5 | 2 | 6.5 | 2 | 37 | -18 | 67 | 9.1 | 16 |
| Komárom | – | 20.7 | 35.1 | 31 | 9.0 | 2 | 7.0 | 9 | 52 | -2 | 96 | 17.2 | 16 |
| Tata | – | 19.6 | 33.5 | 31 | 8.0 | 9 | 7.0 | 9 | 62 | – | – | 11.4 | 20 |
| Alcsútdoboz | – | 19.9 | 34.0 | 31 | 7.4 | 2 | 7.0 | 2 | 48 | +0 | 100 | 14.3 | 22 |
| Dunaújváros Kisapostag | – | 20.0 | 34.8 | 31 | 8.0 | 9 | 6.5 | 9 | 48 | -5 | 91 | 24.1 | 21 |
| Martonvásár | – | 18.7 | 33.0 | 4 | 6.0 | 9 | 5.0 | 9 | 76 | +28 | 158 | 23.0 | 22 |
| Mór | – | 19.8 | 34.0 | 31 | 8.0 | 9 | 6.0 | 7 | 79 | +22 | 139 | 28.5 | 16 |
| Sárbogárd | – | 21.0 | 36.0 | 31 | 10.0 | 9 | 6.5 | 2 | 65 | +11 | 120 | 33.1 | 21 |
| Székesfehérvár | – | 19.3 | 34.5 | 31 | 6.2 | 9 | 6.0 | 9 | 51 | +4 | 109 | 12.0 | 18 |
| Iregszemcse | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lengyel | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykónyi | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szekszárd | – | 20.3 | 35.0 | 31 | 9.0 | 7 | 7.0 | 9 | 52 | -9 | 85 | 28.5 | 21 |
| Pécs Árpádtető | – | 18.7 | 31.2 | 5 | 8.0 | 12 | 6.8 | 12 | 35 | -39 | 47 | 27.1 | 21 |
| Mohács | – | 21.4 | 35.1 | 5 | 8.9 | 9 | 7.5 | 9 | 60 | +2 | 103 | 36.3 | 21 |
| Siklós | – | 22.2 | 36.1 | 31 | 10.4 | 14 | 8.5 | 9 | 57 | -7 | 89 | 37.9 | 21 |
| Szigetvár | – | 20.5 | 35.1 | 31 | 6.5 | 14 | 6.1 | 14 | 79 | +7 | 110 | 34.9 | 18 |
| Bácsalmás | – | 21.1 | 35.6 | 31 | 7.9 | 9 | 6.4 | 9 | 38 | -19 | 67 | 19.0 | 21 |
| Izsák | – | 21.1 | 36.0 | 31 | 8.0 | 9 | 5.0 | 9 | 56 | +6 | 112 | 16.5 | 22 |
| Kalocsa | 280 | 20.4 | 36.0 | 31 | 8.3 | 9 | 8.2 | 9 | 23 | -35 | 40 | 13.3 | 21 |
| Kecskemét Obszervatórium | 264 | 20.5 | 34.6 | 31 | 8.5 | 9 | 4.6 | 9 | 41 | -10 | 80 | 11.1 | 22 |
| Kiskunfélegyháza | – | 21.4 | 35.6 | 31 | 8.5 | 15 | 7.3 | 15 | 40 | -12 | 77 | 11.3 | 21 |
| Kiskunhalas | – | 20.8 | 35.6 | 31 | 6.8 | 9 | 5.5 | 9 | 50 | -9 | 85 | 11.6 | 22 |
| Kunszentmiklós | – | 21.1 | 35.1 | 31 | 9.3 | 9 | 6.4 | 1 | 68 | +6 | 110 | 22.4 | 21 |
| Tiszakécske | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Balassagyarmat | – | 19.3 | 32.4 | 11 | 5.8 | 9 | 5.2 | 9 | 41 | -16 | 72 | 16.9 | 22 |
| Romhány | – | 19.0 | 34.5 | 31 | 4.5 | 13 | 2.5 | 13 | 49 | -8 | 86 | 21.0 | 22 |
| Salgótarján | – | – | – | – | – | – | – | – | – | – | – | – | – |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

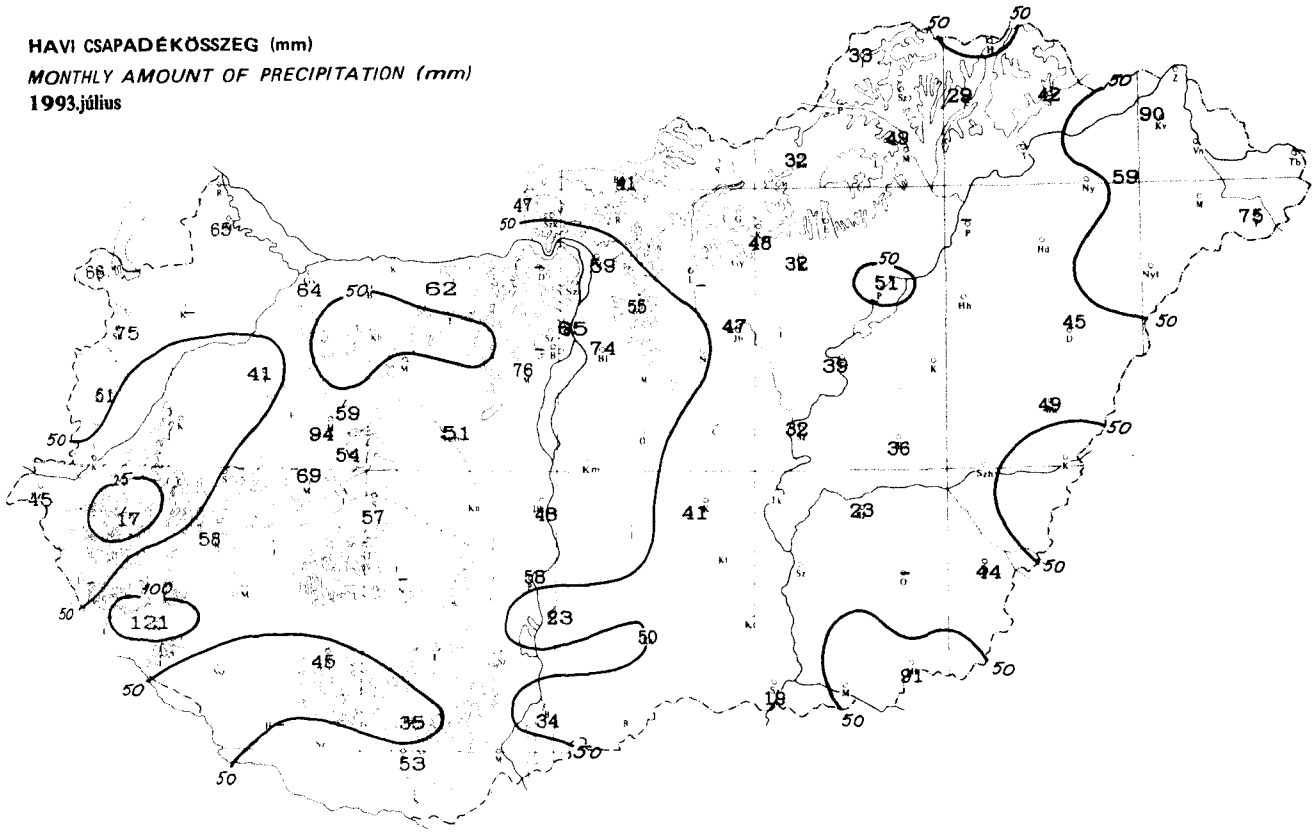
**1993. július**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 18.0 | 31.0 | 4 | 8.2 | 1 | 4.2 | 1 | 65 | +13 | 125 | 31.3 | 22 |
| Cegléd | – | 21.4 | 35.5 | 31 | 9.6 | 9 | 6.5 | 9 | 48 | -5 | 91 | 16.0 | 21 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 251 | 19.1 | 32.3 | 31 | 8.9 | 9 | 4.0 | 9 | 55 | +0 | 100 | 11.8 | 16 |
| Szokolya Királyrét | – | 18.5 | 31.5 | 3 | 4.7 | 9 | 3.0 | 9 | 50 | -8 | 86 | 20.5 | 22 |
| Monor | – | 20.6 | 34.5 | 31 | 8.2 | 15 | 6.3 | 15 | 53 | -1 | 98 | 19.9 | 18 |
| Nagykáta | – | 20.5 | 34.6 | 31 | 7.6 | 9 | 7.0 | 9 | 71 | +11 | 118 | 19.2 | 18 |
| Örkény | – | 21.1 | 36.0 | 31 | 7.2 | 9 | 6.9 | 9 | 57 | +4 | 108 | 24.3 | 22 |
| Szentendre | – | 20.7 | 35.0 | 31 | 10.5 | 1 | 9.0 | 9 | 85 | +30 | 155 | 26.9 | 22 |
| Vác | – | 19.7 | 34.0 | 31 | 6.0 | 9 | 5.0 | 9 | 59 | +11 | 123 | 25.7 | 22 |
| Vámosmikola | 227 | 19.5 | 34.2 | 31 | 5.4 | 9 | 4.8 | 9 | 47 | -6 | 89 | 13.5 | 22 |
| Eger | – | 19.4 | 31.5 | 31 | 7.0 | 9 | 6.0 | 9 | 33 | -27 | 55 | 7.0 | 16 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 20.6 | 34.7 | 31 | 9.4 | 9 | 6.5 | 9 | 28 | -22 | 56 | 6.1 | 21 |
| Kompolt | 249 | 20.0 | 33.5 | 11 | 8.3 | 9 | 4.7 | 15 | 32 | -20 | 62 | 7.8 | 21 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 20.4 | 33.3 | 31 | 8.5 | 9 | 5.6 | 7 | 51 | -5 | 91 | 9.2 | 23 |
| Jászapáti | – | 20.9 | 35.6 | 31 | 9.6 | 13 | 7.8 | 10 | 37 | -14 | 73 | 10.8 | 21 |
| Jászberény | – | 20.3 | 34.9 | 31 | 8.2 | 9 | 6.6 | 9 | 47 | -3 | 94 | 12.3 | 16 |
| Karcag | – | 20.9 | 34.7 | 31 | 10.0 | 9 | 8.3 | 7 | 38 | -16 | 70 | 11.6 | 21 |
| Tiszaroff | – | 20.8 | 35.2 | 31 | 9.6 | 13 | 7.0 | 9 | 39 | -9 | 81 | 8.6 | 21 |
| Törökeve | 255 | 21.1 | 36.2 | 31 | 9.6 | 7 | 7.7 | 9 | 36 | -19 | 65 | 9.5 | 21 |
| Kistelek | – | 21.8 | 36.9 | 31 | 7.6 | 9 | 6.4 | 9 | 34 | -14 | 71 | 10.1 | 21 |
| Makó | – | 22.0 | 37.0 | 20 | 10.0 | 14 | 7.3 | 9 | 56 | -5 | 92 | 14,3 | 26 |
| Szentes | – | 21.6 | 36.0 | 4 | 9.5 | 9 | 8.0 | 8 | 33 | -20 | 62 | 8.0 | 23 |
| Borsodnádasd | – | 18.0 | 31.7 | 31 | 5.4 | 7 | 1.2 | 9 | 32 | -31 | 51 | 6.3 | 12 |
| Fúgöd | – | 18.1 | 32.0 | 4 | 5.6 | 15 | 3.8 | 15 | 29 | -36 | 45 | 8.6 | 21 |
| Hidasnémeti | – | 19.4 | 32.0 | 31 | 7.1 | 15 | 6.4 | 15 | 57 | -20 | 74 | 17.7 | 22 |
| Jósvafő | 235 | 18.0 | 30.1 | 4 | 7.0 | 9 | 3.2 | 9 | 33 | -37 | 47 | 10.1 | 13 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 226 | 18.4 | 30.5 | 11 | 6.5 | 15 | 5.0 | 15 | 42 | -23 | 65 | 15.8 | 22 |
| Szendrőlád | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Tokaj | – | 20.0 | 33.1 | 4 | 9.0 | 9 | 7.0 | 15 | 32 | -36 | 47 | 10.9 | 21 |
| Kisvárda | 226 | 18.6 | 32.3 | 20 | 6.8 | 9 | 5.8 | 9 | 90 | +21 | 130 | 33.3 | 22 |
| Mátészalka | – | 20.1 | 35.0 | 20 | 8.2 | 9 | 7.4 | 9 | 60 | -14 | 81 | 29.2 | 22 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 18.9 | 35.4 | 20 | 6.2 | 9 | 5.0 | 9 | 75 | +3 | 104 | 42.2 | 22 |
| Tiszabecs | – | 19.5 | 35.1 | 20 | 7.5 | 9 | 3.1 | 9 | 86 | +10 | 113 | 50.9 | 22 |
| Vásárosnamény | – | 20.6 | 32.7 | 4 | 8.0 | 9 | 7.2 | 9 | 76 | +6 | 109 | 47.5 | 22 |
| Záhony | – | 20.2 | 34.1 | 20 | 8.0 | 14 | 6.0 | 9 | 95 | +21 | 128 | 54.1 | 22 |
| Berettyóújfalu | – | 20.2 | 34.2 | 20 | 8.8 | 15 | 7.5 | 15 | 49 | -11 | 82 | 14.3 | 21 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 20.5 | 35.2 | 31 | 7.1 | 9 | 6.8 | 9 | 39 | -16 | 71 | 12.3 | 21 |
| Körösszakál | – | 20.6 | 35.1 | 20 | 8.7 | 9 | 6.5 | 15 | 54 | -3 | 95 | 15.3 | 21 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 21.4 | 35.1 | 20 | 10.1 | 9 | 7.7 | 9 | 91 | +31 | 152 | 27.9 | 5 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 261 | 20.9 | 35.3 | 31 | 9.5 | 15 | 4.0 | 9 | 23 | -23 | 50 | 6.9 | 16 |
| Szeghalom | – | 21.0 | 35.7 | 31 | 8.9 | 9 | 8.7 | 9 | 49 | -7 | 88 | 17.5 | 21 |

HAVI CSAPADÉKÖSSZEG (mm)

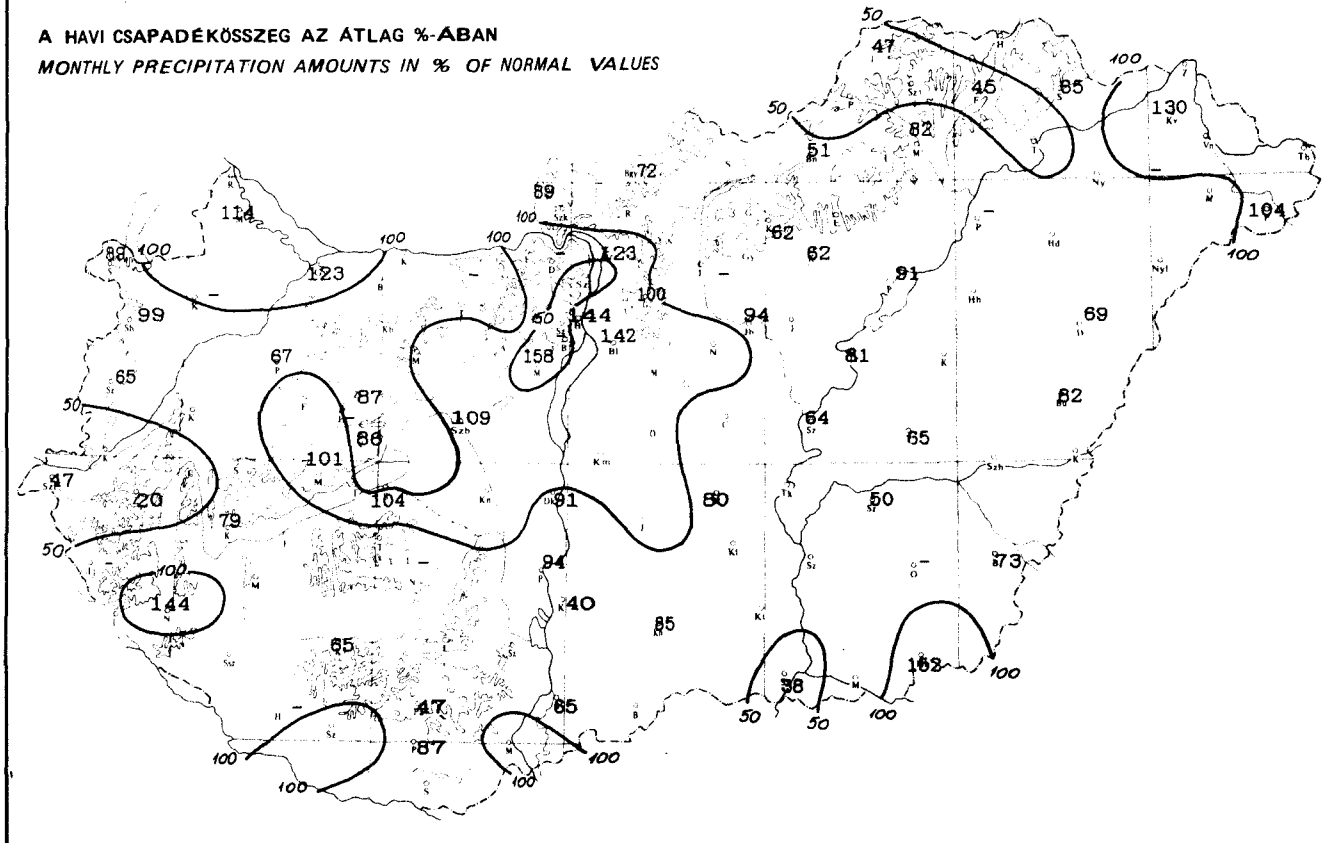
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993.július**



A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 93.479
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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT

BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. augusztus CXXIII.évf. 8. szám

Az idei augusztusban az átlagosnál melegebb, napfényben gazdag volt az időjárás. A havi csapadék területi eloszlása szeszélyesnek bizonyult. A hónap folyamán a száraz, igen meleg, kánikulai időszakot hűvösebb, csapadékos, ám viszonylag rövid periódusok tarkították.

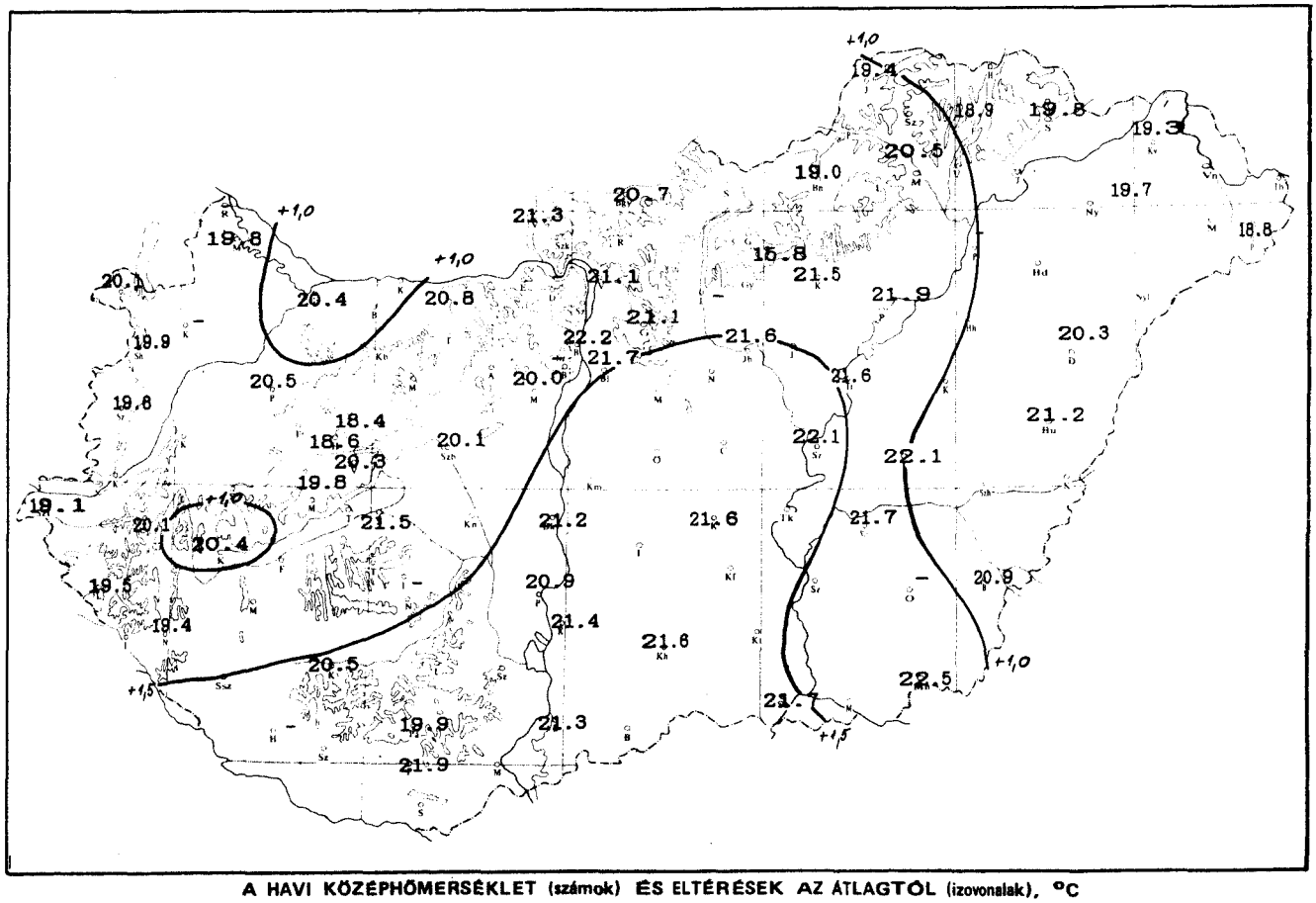
Az augusztusi napfénytartam elérte a sokévi átlag 110-130%-át, ami 15-40 órás napfénytöbletet jelentett. A legtöbb napsütés (292 óra) Szarvas térségében adódott, a legkevesebbet (205 óra) Sárospatak környékén regisztrálták.

A magasabban fekvő hegyvidéki állomásainkat kivéve az augusztusi középhőmérséklet 18,8°C (Pátyod) és 22,7°C (Siklós) között váltakozott, és ez fél-másfél fokkal magasabb, mint a sokévi átlag. A hónap legmagasabb hőmérsékletét (38,1 °C) Vámosmikolán augusztus 4-én mérték, a legalacsonyabb éjszakai hőmérsékletet (2,9°C) augusztus 30-án Salgótarján jelentette, sőt ebben a térségben ezen a napon -0,8 fokos talajmenti fagy alakult ki.

Az augusztusi csapadék területi eloszlása szeszélyes képet mutat, a Dunántúl nyugati, déli megyéiben a havi csapadékösszeg megközelítette, egy-egy helyen meg is haladta a sokévi átlagot. Az ország középső, valamint az Alföld déli területén az átlagosnál kevesebb csapadék hullott, ezeken a területeken a csapadékhozam a sokévi átlag 50-75%-a között váltakozott, az ország többi részén ennél is jelentősebb volt a csapadékhiány. Ebben a hónapban a legnagyobb csapadékösszeg (97 mm) Mór térségében hullott, és ugyanott augusztus 17-én jegyezték fel a 24 óra alatt lehullott legnagyobb csapadékmennyiséget (54 mm/nap).

A tengerszintre átszámított légnyomás havi értéke 1016-1018 hPa között mozgott. A tengerszinti légnyomás maximuma (1026,1 hPa) augusztus 30-án Szentgotthárdon, minimuma (1003,8 hPa) Sopronban 22-én adódott.

A havi legerősebb széllökést (25 m/s-ot) augusztus 10-én Siófokon regisztrálták.




A HAVI KÖZÉPHŐMERSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993.augusztus**

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | . | . | . | . | 2.0 | 0.3 | . | . | 6.4 | 8.7 | . | . | . | . | . |
| Szombathely | . | . | . | . | 9.4 | 3.0 | . | 0.7 | 8.1 | 3.7 | . | . | . | . | . |
| Győr | . | . | . | . | 1.5 | . | . | . | 0.5 | 2.0 | . | . | . | . | . |
| Pápa | . | . | . | . | 1.6 | 0.0 | . | . | 1.1 | 8.1 | . | . | . | . | . |
| Veszprém | . | . | . | . | 1.2 | . | . | 0.0 | 0.8 | 20.5 | . | . | . | . | . |
| Keszthely | . | . | . | . | 4.2 | 1.7 | . | 0.2 | 7.6 | 8.5 | . | . | . | . | . |
| Siófok | . | . | . | . | 0.0 | . | . | . | 0.1 | 9.5 | . | . | . | . | . |
| Kaposvár | . | . | . | . | . | 6.8 | . | 0.0 | 9.9 | 2.7 | . | . | . | . | . |
| Zalaegerszeg | . | . | . | . | 5.0 | 0.0 | . | 0.5 | 0.7 | 2.8 | . | . | . | . | . |
| Szentgotthárd | . | . | . | . | 16.6 | 22.0 | . | 4.3 | 12.8 | 1.0 | . | . | . | . | . |
| Nagykanizsa | . | . | . | . | 5.6 | 1.9 | . | 0.3 | 7.3 | 7.6 | . | . | . | . | . |
| Pécs | . | . | . | . | . | 0.0 | . | . | 7.2 | 2.5 | . | . | . | . | . |
| Budapest KMI | . | . | . | . | 1.5 | 0.0 | . | . | 0.0 | 0.1 | . | . | . | . | . |
| Budapest KLFI | . | . | . | . | 0.3 | 0.2 | . | . | . | 0.3 | . | . | . | . | . |
| Paks | . | . | . | . | . | 2.9 | . | 0.0 | 2.4 | 8.1 | . | . | . | . | . |
| Baja | . | . | . | . | . | 2.5 | . | . | 4.6 | 5.8 | . | . | . | . | . |
| Szeged | . | . | . | . | . | 2.8 | . | . | 0.3 | 1.3 | . | . | . | . | . |
| Szolnok | . | . | . | . | . | 1.3 | . | . | . | 0.2 | . | . | . | . | . |
| Kékestető | . | . | . | . | 0.0 | 29.6 | . | . | . | 3.0 | . | . | . | . | . |
| Miskolc | . | . | . | . | . | 0.3 | . | . | . | 1.7 | . | . | . | . | . |
| Nyíregyháza Nap | 0.0 | . | . | . | . | 0.0 | 0.0 | . | . | 0.6 | . | . | . | . | . |
| Debrecen | . | . | . | . | . | 1.7 | 0.1 | . | . | 3.8 | . | . | . | . | . |
| Békéscsaba | . | . | . | . | . | 0.4 | 0.2 | . | 3.7 | 20.2 | 1.7 | . | . | . | . |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 20.1 | 21.9 | 24.7 | 26.4 | 24.9 | 21.3 | 20.4 | 21.0 | 18.0 | 19.1 | 17.6 | 20.1 | 22.9 | 24.1 | 24.8 |
| Szombathely | 20.1 | 20.7 | 24.7 | 26.4 | 24.0 | 20.8 | 20.1 | 20.4 | 16.7 | 19.1 | 17.3 | 19.8 | 22.2 | 23.8 | 23.6 |
| Győr | 20.4 | 21.8 | 24.9 | 26.6 | 25.8 | 22.7 | 19.8 | 19.3 | 17.2 | 19.9 | 17.6 | 19.6 | 22.8 | 24.9 | 26.2 |
| Pápa | 20.5 | 21.8 | 25.2 | 26.7 | 26.3 | 22.4 | 20.6 | 20.0 | 16.0 | 18.6 | 17.5 | 19.8 | 23.9 | 24.1 | 25.9 |
| Veszprém | 20.0 | 21.6 | 24.8 | 26.0 | 26.9 | 23.0 | 20.7 | 21.5 | 17.9 | 19.2 | 17.0 | 18.8 | 22.2 | 24.4 | 24.3 |
| Keszthely | 22.0 | 21.6 | 23.2 | 24.6 | 26.2 | 22.9 | 22.0 | 20.1 | 17.0 | 18.6 | 18.0 | 18.8 | 22.1 | 22.9 | 24.9 |
| Siófok | 22.1 | 22.2 | 24.5 | 25.3 | 26.2 | 24.3 | 23.1 | 22.3 | 20.4 | 20.7 | 19.2 | 19.2 | 22.0 | 24.3 | 25.6 |
| Kaposvár | 21.6 | 22.4 | 24.0 | 24.4 | 26.3 | 24.3 | 20.9 | 21.0 | 18.0 | 18.9 | 17.7 | 18.8 | 22.0 | 23.2 | 23.8 |
| Zalaegerszeg | 21.7 | 20.2 | 24.2 | 25.2 | 24.1 | 21.7 | 21.8 | 20.2 | 16.7 | 19.7 | 18.3 | 18.8 | 22.1 | 22.9 | 23.3 |
| Szentgotthárd | 19.9 | 20.8 | 24.1 | 25.5 | 24.4 | 19.1 | 18.9 | 19.1 | 16.0 | 18.2 | 16.9 | 18.5 | 21.4 | 22.3 | 22.0 |
| Nagykanizsa | 20.2 | 21.4 | 22.8 | 24.2 | 24.9 | 21.8 | 20.5 | 19.1 | 16.9 | 18.2 | 17.1 | 17.6 | 20.7 | 21.9 | 21.8 |
| Pécs | 22.8 | 23.7 | 26.4 | 26.8 | 28.0 | 25.6 | 22.7 | 22.8 | 20.8 | 19.3 | 18.8 | 19.8 | 23.1 | 25.3 | 25.5 |
| Budapest KMI | 22.3 | 23.7 | 26.2 | 27.5 | 27.7 | 25.7 | 22.3 | 22.5 | 21.9 | 21.9 | 18.8 | 21.0 | 24.3 | 25.9 | 26.5 |
| Budapest KLFI | 23.0 | 23.3 | 25.9 | 27.0 | 27.7 | 25.8 | 22.3 | 21.9 | 22.0 | 22.8 | 18.6 | 19.4 | 23.6 | 25.2 | 26.1 |
| Paks | 22.2 | 23.5 | 24.5 | 25.9 | 25.4 | 26.3 | 21.5 | 20.9 | 19.8 | 21.7 | 18.0 | 18.1 | 21.1 | 24.0 | 24.3 |
| Baja | 22.4 | 23.6 | 25.3 | 27.0 | 26.5 | 25.7 | 21.3 | 21.2 | 20.9 | 21.0 | 18.2 | 18.6 | 22.1 | 24.4 | 25.7 |
| Szeged | 23.6 | 24.6 | 26.3 | 26.9 | 26.1 | 26.6 | 22.8 | 21.6 | 22.5 | 21.8 | 18.7 | 18.4 | 21.5 | 23.9 | 25.6 |
| Szolnok | 23.0 | 22.9 | 25.8 | 26.9 | 27.5 | 26.2 | 23.4 | 22.3 | 23.6 | 21.7 | 20.1 | 19.4 | 23.1 | 25.4 | 25.6 |
| Kékestető | 15.8 | 16.9 | 20.3 | 22.0 | 22.4 | 18.9 | 15.9 | 16.1 | 17.4 | 15.8 | 12.1 | 13.5 | 17.9 | 19.9 | 20.3 |
| Miskolc | 20.6 | 21.6 | 24.1 | 26.0 | 26.8 | 24.8 | 22.8 | 21.6 | 22.4 | 20.8 | 18.5 | 18.5 | 22.3 | 24.3 | 25.1 |
| Nyíregyháza Nap | 19.6 | 20.0 | 22.8 | 24.5 | 24.9 | 23.4 | 22.0 | 20.7 | 21.6 | 18.8 | 17.7 | 17.5 | 20.6 | 23.3 | 24.0 |
| Debrecen | 20.6 | 21.1 | 23.9 | 25.0 | 24.6 | 23.9 | 21.4 | 20.7 | 22.7 | 19.7 | 18.3 | 17.8 | 20.0 | 23.7 | 24.4 |
| Békéscsaba | 22.0 | 22.5 | 25.6 | 25.3 | 24.5 | 25.2 | 22.4 | 20.6 | 22.5 | 20.1 | 19.1 | 17.9 | 19.9 | 22.9 | 24.1 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 11.8 | 13.1 | 12.1 | 13.1 | 8.4 | 6.8 | 12.5 | 8.4 | 1.0 | 5.7 | 12.0 | 13.2 | 12.6 | 12.9 | 12.8 |
| Szombathely | 10.4 | 12.3 | 13.4 | 12.6 | 9.2 | 7.9 | 11.8 | 8.5 | 0.0 | 3.0 | 12.3 | 12.5 | 12.4 | 12.8 | 12.9 |
| Győr | 13.4 | 12.2 | 13.0 | 12.5 | 9.6 | 9.5 | 13.3 | 10.8 | 0.6 | 2.4 | 12.2 | 12.7 | 12.9 | 12.3 | 13.0 |
| Pápa | 13.0 | 12.3 | 13.2 | 12.6 | 10.0 | 10.0 | 13.2 | 8.3 | 0.0 | 1.5 | 11.3 | 12.9 | 13.0 | 12.9 | 13.0 |
| Veszprém | 12.0 | 12.2 | 12.8 | 12.3 | 10.3 | 8.5 | 13.0 | 8.7 | 0.7 | 1.3 | 12.8 | 12.6 | 12.6 | 12.5 | 12.3 |
| Keszthely | 11.6 | 12.6 | 13.2 | 12.9 | 11.9 | 8.6 | 11.7 | 5.4 | 0.0 | 0.7 | 12.1 | 12.9 | 12.9 | 12.9 | 12.8 |
| Siófok | 13.5 | 12.3 | 13.6 | 12.9 | 11.9 | 10.0 | 13.4 | 8.3 | 1.7 | 0.2 | 12.3 | 13.2 | 13.0 | 13.1 | 12.7 |
| Kaposvár | 10.8 | 13.0 | 12.9 | 10.8 | 11.8 | 10.2 | 12.9 | 11.3 | 0.2 | 4.1 | 12.5 | 12.5 | 12.8 | 12.6 | 12.7 |
| Zalaegerszeg | 12.6 | 11.0 | 13.0 | 11.9 | 10.8 | 6.2 | 11.0 | 5.3 | 0.0 | 3.9 | 12.4 | 12.7 | 12.2 | 12.5 | 12.7 |
| Szentgotthárd | 9.5 | 12.5 | 13.1 | 12.6 | 10.5 | 6.5 | 11.5 | 8.2 | 0.0 | 4.4 | 12.5 | 12.9 | 12.3 | 13.2 | 12.9 |
| Nagykanizsa | 10.7 | 12.4 | 12.6 | 11.8 | 11.9 | 8.8 | 10.4 | 3.8 | 0.2 | 1.1 | 10.9 | 12.5 | 12.5 | 12.2 | 12.1 |
| Pécs | 12.9 | 12.1 | 12.6 | 12.1 | 12.5 | 10.9 | 13.0 | 11.6 | 2.1 | 6.2 | 12.7 | 12.7 | 12.5 | 12.5 | 12.5 |
| Budapest KMI | 10.9 | 12.7 | 12.2 | 12.4 | 10.5 | 8.0 | 12.9 | 11.2 | 3.4 | 3.5 | 12.0 | 11.9 | 12.5 | 11.7 | 12.0 |
| Budapest KLFI | 12.1 | 13.3 | 13.3 | 13.2 | 11.9 | 7.6 | 13.1 | 12.4 | 4.2 | 5.7 | 11.3 | 12.4 | 12.4 | 12.3 | 12.2 |
| Paks | 13.0 | 13.2 | 13.5 | 12.5 | 13.2 | 10.1 | 13.2 | 9.5 | 1.0 | 7.9 | 13.2 | 12.5 | 13.1 | 12.9 | 12.6 |
| Baja | 13.1 | 9.7 | 12.7 | 10.9 | 12.4 | 11.7 | 12.2 | 11.5 | 2.2 | 6.9 | 12.2 | 12.1 | 12.3 | 12.4 | 12.2 |
| Szeged | 12.4 | 12.6 | 9.8 | 11.9 | 13.1 | 10.1 | 10.3 | 12.3 | 5.3 | 4.5 | 11.2 | 12.8 | 12.9 | 12.9 | 12.7 |
| Szolnok | 12.2 | 13.0 | 10.8 | 12.8 | 12.5 | 6.0 | 11.3 | 11.6 | 4.9 | 7.0 | 10.5 | 12.5 | 12.8 | 12.6 | 12.5 |
| Kékestető | 6.5 | 13.1 | 12.3 | 11.5 | 11.1 | 5.2 | 12.8 | 10.6 | 6.7 | 4.6 | 10.0 | 12.5 | 12.6 | 11.9 | 12.4 |
| Miskolc | 6.8 | 13.0 | 12.3 | 12.2 | 10.4 | 5.3 | 11.6 | 11.8 | 9.4 | 6.8 | 3.0 | 12.6 | 12.5 | 12.1 | 12.5 |
| Nyíregyháza Nap | 8.9 | 13.4 | 13.0 | 12.8 | 13.0 | 6.3 | 9.3 | 11.7 | 11.8 | 0.4 | 3.0 | 12.7 | 12.4 | 12.3 | 12.6 |
| Debrecen | 10.9 | 12.4 | 11.7 | 13.0 | 13.0 | 8.1 | 8.9 | 12.7 | 11.9 | 0.0 | 5.3 | 13.0 | 13.1 | 12.7 | 12.6 |
| Békéscsaba | 12.7 | 13.7 | 10.6 | 12.1 | 13.3 | 7.2 | 9.3 | 13.6 | 10.7 | 3.6 | 8.0 | 13.5 | 13.1 | 13.4 | 13.1 |

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. augusztus

## CSAPADÉK (mm)

PRECIPITATION (mm)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | 0.0 | . | . | . | . | . | 0.0 | 15.5 | 4.3 | 0.1 | 2.0 | 1.0 | 0.7 | 11.0 | 9.2 | 12805 |
| . | 2.1 | . | . | . | . | . | . | 17.1 | 3.4 | 0.1 | 1.3 | 0.4 | . | 0.3 | 3.1 | 12812 |
| . | . | . | . | . | . | . | . | 9.0 | 0.9 | . | 0.7 | . | 3.7 | 3.7 | 16.8 | 12822 |
| . | . | . | . | . | . | . | . | 13.1 | 1.7 | . | 2.2 | 1.6 | 0.1 | 1.7 | 10.2 | 12825 |
| . | . | . | . | . | . | . | . | 10.5 | 12.0 | . | 1.3 | 0.0 | 2.2 | 0.5 | 5.6 | 12830 |
| . | . | . | . | . | . | . | . | 4.0 | 18.1 | 0.0 | 5.6 | 0.3 | 0.2 | 0.3 | 10.6 | 12920 |
| . | . | . | . | . | . | . | . | 3.9 | 19.7 | . | 2.4 | 0.0 | 0.8 | 0.5 | 6.1 | 12935 |
| . | . | . | . | . | . | . | . | 0.0 | 32.0 | 0.6 | 2.9 | 3.3 | 1.1 | 0.5 | 5.9 | 12930 |
| . | . | . | . | . | . | . | . | 7.0 | 13.5 | 0.2 | 3.0 | 0.5 | . | 0.4 | 4.2 | 12915 |
| . | 1.8 | . | . | . | . | . | . | 10.0 | 16.6 | . | 4.7 | 0.2 | . | 0.0 | 0.9 | 12910 |
| . | 1.3 | . | . | 0.0 | . | . | . | 0.7 | 10.8 | 2.0 | 9.4 | 0.7 | 0.0 | 0.2 | 7.5 | 12925 |
| . | . | . | . | . | . | . | . | . | 13.1 | 4.8 | 14.7 | 2.0 | 5.6 | 0.0 | 3.8 | 12942 |
| . | . | . | . | . | . | . | . | 4.8 | 0.9 | 0.0 | 1.3 | 0.9 | 1.2 | 1.5 | 9.2 | 12840 |
| . | . | . | . | . | . | . | . | 5.2 | 2.2 | 0.0 | 0.5 | 0.4 | 0.3 | 0.8 | 6.8 | 12843 |
| . | . | . | . | . | 0.0 | . | . | . | 17.5 | 0.1 | 2.8 | 0.8 | 0.1 | 0.2 | 8.7 | 12950 |
| . | . | . | . | . | . | . | . | . | 9.8 | 0.4 | 9.8 | 0.5 | 0.2 | . | 9.6 | 12960 |
| . | . | . | . | . | . | . | . | . | 5.0 | 0.0 | 8.6 | 0.1 | 0.0 | . | 11.1 | 12982 |
| . | 0.0 | . | . | . | . | . | . | . | 11.0 | . | 0.5 | 0.2 | . | . | 5.2 | 12860 |
| . | . | . | . | 0.0 | . | . | . | 5.6 | 1.3 | . | 4.6 | 3.5 | 0.6 | 0.4 | 6.3 | 12851 |
| . | 0.0 | . | . | . | . | . | . | 4.0 | 0.2 | 1.0 | 9.6 | 3.1 | 0.5 | . | 1.0 | 12772 |
| . | . | 3.0 | . | . | . | . | . | 1.6 | 1.0 | 3.2 | 4.0 | 0.4 | . | . | 0.8 | 12893 |
| . | . | . | . | . | . | . | . | 0.0 | 4.4 | 0.1 | 1.3 | 6.4 | . | . | 1.7 | 12882 |
| . | 0.0 | . | . | . | . | . | . | . | 4.5 | 0.0 | 2.7 | 0.9 | 0.0 | . | 4.1 | 12992 |

## KÖZÉPHŐMÉRSÉKLET (°C)

DAILY MEAN TEMPERATURE (°C)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.1 | 24.5 | 20.7 | 19.3 | 20.1 | 24.9 | 25.8 | 24.1 | 16.2 | 12.7 | 14.2 | 14.5 | 13.7 | 13.1 | 15.2 | 13.1 | 12805 |
| 23.6 | 22.1 | 20.2 | 18.7 | 19.2 | 23.7 | 24.9 | 25.3 | 18.0 | 13.1 | 13.8 | 13.9 | 14.6 | 13.8 | 14.5 | 14.1 | 12812 |
| 25.4 | 24.2 | 20.2 | 17.8 | 19.2 | 24.4 | 26.3 | 25.4 | 19.4 | 14.7 | 14.9 | 14.5 | 15.4 | 14.0 | 14.6 | 13.2 | 12822 |
| 25.3 | 25.3 | 20.4 | 17.8 | 19.8 | 24.0 | 25.9 | 26.6 | 20.1 | 14.3 | 14.7 | 14.5 | 15.1 | 14.0 | 14.1 | 13.5 | 12825 |
| 24.4 | 25.3 | 20.5 | 18.9 | 19.7 | 23.7 | 25.2 | 26.1 | 21.2 | 13.4 | 14.6 | 14.0 | 14.2 | 12.0 | 14.1 | 12.3 | 12830 |
| 23.7 | 23.7 | 22.4 | 19.7 | 19.8 | 23.8 | 25.3 | 26.6 | 22.0 | 14.0 | 14.8 | 14.9 | 15.9 | 14.3 | 14.9 | 13.0 | 12920 |
| 25.0 | 24.1 | 22.9 | 21.6 | 20.3 | 23.6 | 25.0 | 27.2 | 23.0 | 16.1 | 17.4 | 16.0 | 16.7 | 15.2 | 16.1 | 14.3 | 12935 |
| 23.5 | 24.2 | 21.6 | 18.9 | 19.9 | 22.8 | 25.3 | 27.3 | 24.3 | 14.9 | 14.9 | 16.2 | 15.8 | 14.1 | 13.5 | 12.2 | 12930 |
| 22.8 | 22.1 | 22.4 | 19.2 | 19.4 | 23.3 | 24.5 | 27.0 | 20.7 | 14.0 | 14.4 | 13.7 | 14.7 | 14.4 | 13.2 | 13.6 | 12915 |
| 22.5 | 20.6 | 19.0 | 19.0 | 19.6 | 23.4 | 24.6 | 25.9 | 19.4 | 12.1 | 12.6 | 13.1 | 13.8 | 13.0 | 13.2 | 13.7 | 12910 |
| 21.8 | 22.0 | 20.9 | 18.9 | 19.2 | 22.0 | 24.3 | 26.2 | 21.2 | 13.5 | 14.3 | 15.1 | 15.2 | 13.6 | 12.8 | 12.0 | 12925 |
| 25.3 | 26.6 | 23.7 | 21.4 | 22.1 | 24.5 | 27.0 | 28.0 | 25.8 | 17.4 | 14.4 | 16.8 | 15.7 | 13.4 | 13.9 | 12.4 | 12942 |
| 26.9 | 27.2 | 22.7 | 20.8 | 21.4 | 24.0 | 27.2 | 27.3 | 23.6 | 16.4 | 17.5 | 16.8 | 14.7 | 13.3 | 15.8 | 13.1 | 12840 |
| 26.0 | 26.6 | 23.1 | 20.3 | 20.8 | 22.8 | 25.5 | 26.4 | 24.2 | 16.8 | 16.9 | 15.8 | 14.2 | 13.0 | 14.3 | 12.1 | 12843 |
| 24.1 | 24.7 | 22.0 | 18.7 | 19.1 | 22.3 | 25.6 | 27.4 | 24.1 | 15.7 | 15.8 | 15.8 | 16.0 | 13.8 | 13.7 | 11.7 | 12950 |
| 25.6 | 25.0 | 22.2 | 18.8 | 19.9 | 22.3 | 25.8 | 26.7 | 25.1 | 17.1 | 15.4 | 16.6 | 16.1 | 13.8 | 14.2 | 11.7 | 12960 |
| 24.5 | 24.6 | 23.3 | 19.4 | 19.6 | 22.6 | 25.6 | 27.1 | 26.1 | 19.1 | 16.2 | 16.9 | 16.7 | 14.0 | 14.5 | 11.5 | 12982 |
| 25.9 | 26.5 | 22.5 | 19.9 | 20.6 | 23.5 | 26.9 | 27.3 | 25.5 | 17.1 | 17.7 | 17.4 | 15.6 | 14.5 | 15.4 | 12.2 | 12860 |
| 20.9 | 21.2 | 14.8 | 13.1 | 14.1 | 17.6 | 21.3 | 20.6 | 18.3 | 11.2 | 10.9 | 10.4 | 7.2 | 6.8 | 9.2 | 6.8 | 12851 |
| 25.3 | 24.8 | 19.7 | 18.0 | 19.5 | 19.4 | 24.2 | 26.2 | 21.4 | 15.9 | 16.4 | 15.3 | 12.0 | 12.1 | 14.3 | 12.1 | 12772 |
| 24.7 | 24.1 | 18.3 | 16.7 | 18.0 | 18.0 | 23.0 | 26.4 | 20.5 | 15.9 | 16.0 | 15.2 | 12.6 | 13.4 | 14.6 | 12.2 | 12893 |
| 24.4 | 24.3 | 20.5 | 17.8 | 18.4 | 19.2 | 24.2 | 26.1 | 23.4 | 16.8 | 17.0 | 16.5 | 14.3 | 13.6 | 14.0 | 11.6 | 12882 |
| 23.7 | 24.1 | 22.4 | 18.3 | 19.1 | 21.0 | 24.9 | 25.8 | 25.0 | 19.1 | 17.1 | 17.4 | 16.8 | 13.5 | 13.7 | 11.8 | 12992 |

## NAPSÜTÉS (óra)

DURATION OF SUNSHINE (HOURS)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.7 | 6.8 | 10.4 | 10.5 | 6.8 | 12.3 | 11.8 | 6.2 | 0.1 | 0.0 | 1.4 | 4.7 | 2.9 | 6.6 | 10.6 | 5.2 | 12805 |
| 12.6 | 5.9 | 8.8 | 9.1 | 7.6 | 12.1 | 11.4 | 5.9 | 6.2 | 0.0 | 0.4 | 0.1 | 3.0 | 9.6 | 10.6 | 4.2 | 12812 |
| 12.6 | 10.9 | 12.1 | 10.9 | 11.0 | 11.3 | 11.5 | 9.7 | 6.6 | 0.0 | 3.5 | 2.1 | 3.9 | 6.6 | 10.9 | 2.9 | 12822 |
| 12.7 | 10.4 | 11.4 | 10.9 | 10.8 | 11.5 | 11.7 | 8.8 | 5.1 | 0.0 | 1.8 | 1.2 | 2.8 | 7.9 | 8.3 | 4.3 | 12825 |
| 11.9 | 9.1 | 9.7 | 10.8 | 9.1 | 10.4 | 11.4 | 7.3 | 7.2 | 0.0 | 2.3 | 0.9 | 1.9 | 2.7 | 10.6 | 3.8 | 12830 |
| 12.7 | 9.0 | 11.4 | 11.2 | 8.7 | 10.8 | 11.9 | 11.1 | 8.3 | 0.0 | 1.4 | 0.3 | 2.9 | 5.3 | 12.1 | 4.4 | 12920 |
| 12.5 | 10.3 | 10.9 | 11.5 | 10.3 | 10.7 | 11.9 | 10.5 | 7.9 | 0.0 | 1.7 | 1.5 | 1.8 | 3.5 | 12.1 | 3.1 | 12935 |
| 12.3 | 10.8 | 9.6 | 12.7 | 9.7 | 10.3 | 11.8 | 10.3 | 8.9 | 0.0 | 0.0 | 1.4 | 1.8 | 4.7 | 10.0 | 2.9 | 12930 |
| 12.6 | 6.9 | 10.5 | 9.9 | 6.5 | 11.0 | 11.5 | 10.4 | 7.1 | 0.0 | 1.6 | 0.2 | 2.5 | 8.2 | 10.2 | 4.1 | 12915 |
| 13.2 | 8.0 | 7.1 | 10.9 | 8.8 | 12.3 | 11.9 | 10.3 | 6.5 | 0.0 | 1.1 | 0.0 | 2.6 | 8.4 | 11.5 | 4.9 | 12910 |
| 12.4 | 9.0 | 10.3 | 10.2 | 7.8 | 10.5 | 11.5 | 10.4 | 8.5 | 0.0 | 0.6 | 0.0 | 2.3 | 6.6 | 11.3 | 4.3 | 12925 |
| 12.1 | 11.1 | 10.2 | 11.7 | 9.4 | 10.1 | 11.2 | 11.2 | 9.0 | 3.5 | 0.3 | 2.8 | 0.5 | 1.2 | 9.8 | 2.4 | 12942 |
| 10.7 | 10.1 | 10.6 | 11.0 | 10.3 | 8.1 | 11.7 | 8.8 | 8.9 | 0.0 | 6.6 | 4.1 | 2.4 | 2.6 | 11.4 | 1.7 | 12840 |
| 11.8 | 11.1 | 9.5 | 11.3 | 11.1 | 8.1 | 11.7 | 10.1 | 9.1 | 0.7 | 5.6 | 3.0 | 1.1 | 1.9 | 9.4 | 0.6 | 12843 |
| 12.3 | 11.8 | 10.9 | 12.9 | 10.4 | 8.8 | 12.3 | 10.7 | 9.3 | 0.0 | 0.6 | 2.2 | 2.6 | 1.6 | 10.7 | 3.0 | 12950 |
| 11.9 | 12.0 | 11.1 | 12.2 | 11.0 | 9.1 | 11.8 | 11.6 | 9.3 | 3.4 | 0.0 | 2.1 | 1.3 | 1.6 | 11.3 | 1.9 | 12960 |
| 12.2 | 10.8 | 10.2 | 12.0 | 12.0 | 7.9 | 12.0 | 12.2 | 9.8 | 3.9 | 0.8 | 3.0 | 0.6 | 1.1 | 9.8 | 1.3 | 12982 |
| 11.7 | 10.1 | 9.1 | 12.2 | 11.4 | 5.9 | 11.4 | 11.2 | 8.9 | 0.4 | 2.9 | 7.1 | 0.4 | 1.4 | 10.1 | 0.0 | 12860 |
| 12.0 | 9.8 | 2.4 | 11.6 | 11.0 | 7.1 | 11.2 | 10.3 | 8.0 | 1.2 | 6.8 | 7.7 | 0.6 | 1.9 | 10.0 | 1.4 | 12851 |
| 12.6 | 10.2 | 7.8 | 8.7 | 8.8 | 5.1 | 11.3 | 8.9 | 6.6 | 0.7 | 6.4 | 9.3 | 1.4 | 2.9 | 5.9 | 0.3 | 12772 |
| 12.5 | 11.5 | 5.9 | 7.7 | 9.5 | 3.4 | 12.1 | 10.0 | 8.5 | 2.8 | 6.1 | 11.4 | 0.3 | 2.8 | 8.4 | 0.0 | 12893 |
| 12.5 | 12.0 | 10.4 | 7.9 | 11.0 | 3.2 | 11.5 | 11.8 | 10.5 | 0.9 | 6.7 | 10.6 | 0.2 | 3.3 | 10.3 | 0.0 | 12882 |
| 12.4 | 10.3 | 10.2 | 11.2 | 12.7 | 4.7 | 12.3 | 11.8 | 10.8 | 2.7 | 1.9 | 8.9 | 0.2 | 1.6 | 10.2 | 0.1 | 12992 |

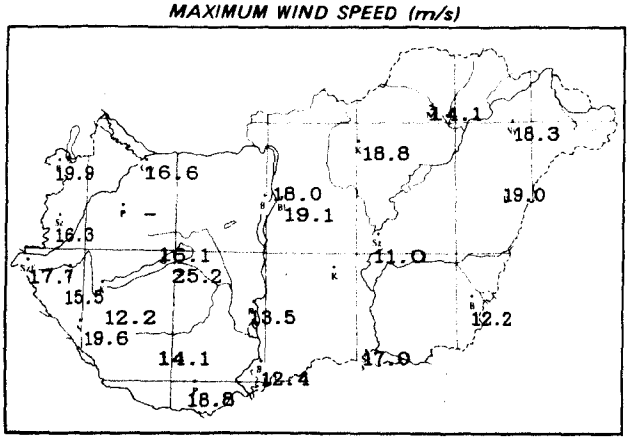
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

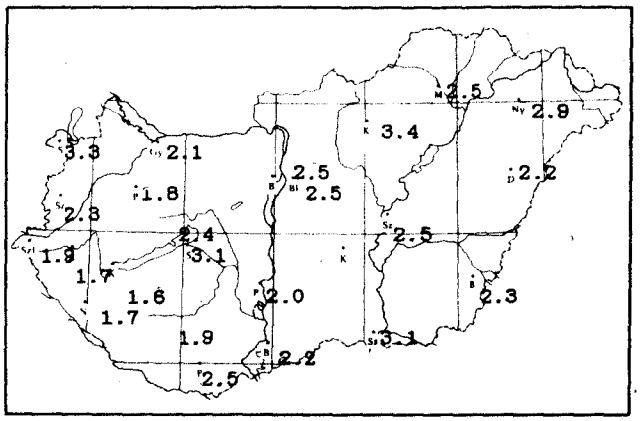
**1993. augusztus**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap – *Clear days* | Borult nap – *Overcast days* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | max. ⩾ 30 °C hőségnap | max. ⩾ 25 °C nyári nap | min. ⩽ 0 °C fagyos nap | max. ⩽ 0 °C téli nap | min. ⩽ 10 °C zord nap | min. ⩽ 0 °C radiációs |
| Sopron | 233 | 265 | – | 6 | 5 | 20.1 | - | 35.2 | 4 | 7.8 | 30 | 12 | 22 | 0 | 0 | 0 | 0 |
| Szombathely | 224 | 260 | +25 | 7 | 4 | 19.8 | +1.2 | 35.4 | 4 | 5.3 | 30 | 12 | 22 | 0 | 0 | 0 | 0 |
| Győr | 115 | 287 | +42 | 11 | 4 | 20.4 | +0.9 | 35.6 | 5 | 7.2 | 27 | 12 | 22 | 0 | 0 | 0 | 0 |
| Pápa | 140 | 277 | – | 9 | 5 | 20.5 | - | 34.8 | 5 | 6.5 | 30 | 11 | 22 | 0 | 0 | 0 | 0 |
| Veszprém | 302 | 264 | – | 8 | 4 | 20.3 | - | 33.2 | 5 | 8.0 | 30 | 11 | 21 | 0 | 0 | 0 | 0 |
| Keszthely | 117 | 274 | +24 | 11 | 7 | 20.4 | +0.7 | 34.8 | 5 | 7.4 | 30 | 12 | 22 | 0 | 0 | 0 | 0 |
| Siófok | 108 | 282 | – | 16 | 4 | 21.5 | - | 34.0 | 15 | 11.4 | 27 | 10 | 22 | 0 | 0 | 0 | 0 |
| Kaposvár | 144 | 278 | – | 12 | 6 | 20.5 | - | 35.2 | 5 | 6.4 | 30 | 14 | 23 | 0 | 0 | 0 | 0 |
| Zalaegerszeg | 188 | 261 | – | 6 | 6 | 20.1 | - | 36.0 | 5 | 4.7 | 30 | 13 | 22 | 0 | 0 | 0 | 0 |
| Szentgotthárd | 221 | 270 | – | 12 | 6 | 19.1 | - | 34.3 | 4 | 5.7 | 30 | 10 | 21 | 0 | 0 | 0 | 0 |
| Nagykanizsa | 160 | 260 | – | 11 | 5 | 19.4 | - | 35.5 | 4 | 4.0 | 30 | 13 | 22 | 0 | 0 | 0 | 0 |
| Pécs | 201 | 285 | +17 | 13 | 4 | 21.9 | +1.8 | 34.6 | 22 | 7.6 | 30 | 14 | 24 | 0 | 0 | 0 | 0 |
| Budapest KMI | 120 | 277 | +23 | 9 | 4 | 22.2 | +1.3 | 35.0 | 5 | 10.0 | 30 | 13 | 23 | 0 | 0 | 0 | 0 |
| Budapest KLFI | 140 | 284 | +29 | 8 | 3 | 21.7 | +1.5 | 35.0 | 22 | 7.2 | 30 | 13 | 24 | 0 | 0 | 0 | 0 |
| Paks | 103 | 292 | – | 16 | 3 | 20.9 | - | 35.7 | 22 | 5.3 | 30 | 14 | 24 | 0 | 0 | 0 | 0 |
| Baja | 109 | 286 | – | 12 | 4 | 21.3 | - | 36.2 | 23 | 7.0 | 30 | 14 | 24 | 0 | 0 | 0 | 0 |
| Szeged | 82 | 284 | +18 | 10 | 4 | 21.7 | +1.5 | 36.3 | 23 | 6.9 | 30 | 17 | 25 | 0 | 0 | 0 | 0 |
| Szolnok | 85 | 277 | – | 9 | 1 | 22.1 | - | 35.8 | 22 | 8.1 | 30 | 16 | 25 | 0 | 0 | 0 | 0 |
| Kékestető | 989 | 267 | +27 | 8 | 3 | 15.8 | +1.3 | 27.6 | 5 | 5.3 | 31 | 0 | 7 | 0 | 0 | 0 | 0 |
| Miskolc | 233 | 259 | +23 | 8 | 2 | 20.5 | +1.4 | 34.3 | 5 | 8.3 | 27 | 11 | 20 | 0 | 0 | 0 | 0 |
| Nyíregyháza N | 150 | 267 | – | 11 | 3 | 19.7 | - | 33.0 | 22 | 8.0 | 30 | 9 | 20 | 0 | 0 | 0 | 0 |
| Debrecen | 114 | 282 | +21 | 8 | 4 | 20.3 | +0.7 | 34.0 | 22 | 5.9 | 30 | 11 | 22 | 0 | 0 | 0 | 0 |
| Békéscsaba | 84 | 290 | – | 12 | 3 | 20.9 | - | 33.6 | 4 | 6.5 | 30 | 13 | 24 | 0 | 0 | 0 | 0 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
***MAXIMUM WIND SPEED (m/s)***




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
***MEAN WIND SPEED (m/s)***



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# Monthly Weather Report

August 1993 Vol. CXXIII, No. 8.

In August over the territory of Hungary the weather was warmer and richer in sunshine than average. The distribution of the precipitation was very changeable. In this month, the very dry and hot periods were followed by cooler short periods with precipitation.

The sunshine duration reached 110-130 per cent of the average which means a sunshine surplus of 40 hours. The highest sunshine duration (292 hours) was observed at Szarvas, while the lowest one (205 hours) occurred at Sárospatak.

With the exception of the mountain stations, the monthly mean temperature varied between 18.8 °C (Pátyod) and 22.7 °C (Siklós) being above average by 1-1.5 °C. The highest temperature value (38.1 °C) was recorded on the 4th at Vámosmikola, while the lowest one (2.9 °C) on the 30th at Salgótarján and a ground frost of -0.8 °C was also recorded in this area.

In August, the territorial distribution of the precipitation was very changeable. The precipitation amount in the western and southern parts of Transdanaubia reached and sometimes exceeded the average. The precipitation amount in the central part of Hungary and in the southern region of the great Hungarian Plain was below average. In these areas the precipitation amount varied between 50 and 75 per cent of the average. The maximum value of the monthly precipitation amount (97 mm) was measured at Mór. The maximum 24-hour fall (54 mm) occurred also at Mór on the 17th.

The monthly average sea-level pressure ranged from 1016 to 101 hPa. The maximum value of sea-level pressure (1026.1 hPa) was observed on the 30th at Szentgotthárd, and the minimum value (1003.8 hPa) on the 22nd at Sopron.

The monthly strongest wind gust of 25 m/s was recorded on the 10th at Siófok.

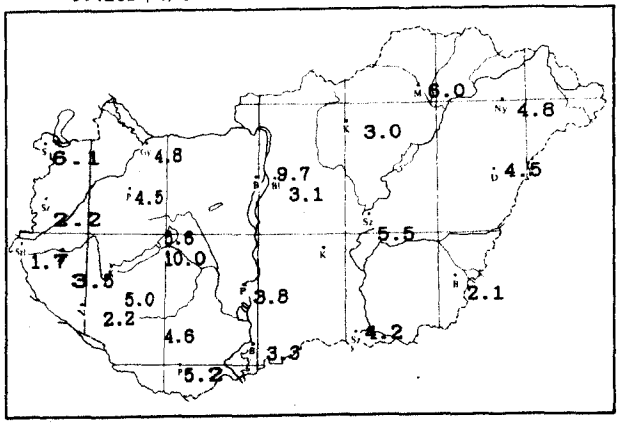
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

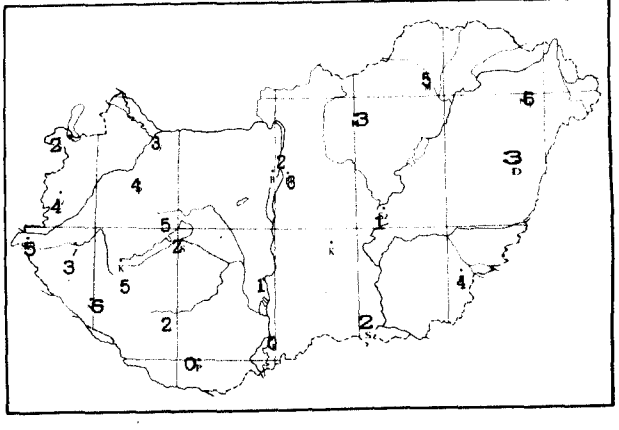
1993. augusztus

| Légnedvesség – Humidity | | | | Szél – Wind | | | | Csapadék (mm) – Precipitation (mm) | | | | | | | | Napok száma – Number of days | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma number of days | | | | | | | | napok száma number of days | | | | | | | | |
| páranyomás (hPa) vapour pressure (hPa) | havi közép – monthly mean (%) | minimum (%) | dátum date | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg monthly amount | eltérés anomalies | az átlag %-ában monthly amount in % of normal values | napi maximum daily maximum | dátum date | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – storm | jégeső – hail | havazás – snow | hótakaró – snow cover | köd – fog látás ⩽ 1000 m – visibility ⩽ 1000 m |
| 16.1 | 69 | 35 | 4 | 0 | 22 | 9 | 0 | 61 | -10 | 86 | 15.5 | 24 | 12 | 9 | 5 | 2 | 2 | 0 | 0 | 0 | 1 |
| 14.5 | 65 | 22 | 16 | 0 | 12 | 2 | 0 | 53 | -19 | 74 | 17.1 | 24 | 13 | 9 | 3 | 1 | 4 | 0 | 0 | 0 | 0 |
| 14.7 | 63 | 27 | 14 | 0 | 12 | 1 | 0 | 39 | -25 | 61 | 16.8 | 31 | 9 | 6 | 2 | 1 | 3 | 0 | 0 | 0 | 0 |
| 15.1 | 63 | 34 | 3 | 0 | 12 | 1 | 0 | 41 | -32 | 56 | 13.1 | 24 | 10 | 9 | 3 | 2 | 4 | 0 | 0 | 0 | 0 |
| 14.6 | 63 | 24 | 15 | 0 | 14 | 3 | 0 | 55 | -23 | 71 | 20.5 | 10 | 9 | 7 | 4 | 3 | 5 | 0 | 0 | 0 | 2 |
| 16.9 | 71 | 36 | 22 | 0 | 2 | 0 | 0 | 61 | -10 | 86 | 18.1 | 25 | 12 | 8 | 5 | 2 | 5 | 0 | 0 | 0 | 0 |
| 16.9 | 66 | 30 | 15 | 0 | 19 | 12 | 3 | 43 | -22 | 66 | 19.7 | 25 | 8 | 5 | 3 | 1 | 2 | 0 | 0 | 0 | 0 |
| 14.1 | 61 | 26 | 15 | 0 | 9 | 0 | 0 | 66 | -7 | 90 | 32.0 | 25 | 10 | 8 | 4 | 1 | 2 | 0 | 0 | 0 | 0 |
| 14.6 | 66 | 26 | 4 | 0 | 8 | 1 | 0 | 38 | -43 | 47 | 13.5 | 25 | 11 | 6 | 3 | 1 | 3 | 0 | 0 | 0 | 0 |
| 13.6 | 65 | 28 | 4 | 0 | 6 | 2 | 0 | 91 | +1 | 101 | 22.0 | 6 | 11 | 9 | 5 | 5 | 5 | 0 | 0 | 0 | 0 |
| 15.2 | 71 | 22 | 16 | 0 | 11 | 2 | 0 | 55 | -18 | 75 | 10.8 | 25 | 13 | 9 | 6 | 1 | 6 | 1 | 0 | 0 | 3 |
| 13.1 | 53 | 19 | 5 | 0 | 15 | 2 | 0 | 54 | -9 | 86 | 14.7 | 27 | 8 | 8 | 4 | 2 | 0 | 0 | 0 | 0 | 1 |
| 12.8 | 50 | 20 | 4 | 0 | 19 | 4 | 0 | 21 | -34 | 38 | 9.2 | 31 | 9 | 6 | 1 | 0 | 2 | 0 | 0 | 0 | 0 |
| 12.6 | 51 | 21 | 4 | 0 | 15 | 5 | 0 | 17 | -34 | 33 | 6.8 | 31 | 10 | 3 | 2 | 0 | 3 | 0 | 0 | 0 | 0 |
| 14.4 | 62 | 25 | 15 | 0 | 7 | 0 | 0 | 44 | -7 | 86 | 17.5 | 25 | 10 | 6 | 3 | 1 | 1 | 0 | 0 | 0 | 0 |
| 13.7 | 58 | 22 | 17 | 0 | 13 | 0 | 0 | 43 | -14 | 75 | 9.8 | 27 | 9 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13.7 | 55 | 23 | 5 | 0 | 16 | 1 | 0 | 29 | -28 | 51 | 11.1 | 31 | 7 | 5 | 3 | 1 | 2 | 0 | 0 | 0 | 0 |
| 13.6 | 54 | 21 | 4 | 0 | 5 | 0 | 0 | 18 | -34 | 35 | 11.0 | 25 | 6 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 10.6 | 60 | 34 | 5 | 0 | 13 | 4 | 0 | 55 | -27 | 67 | 29.6 | 6 | 9 | 7 | 3 | 1 | 3 | 1 | 0 | 0 | 5 |
| 15.3 | 63 | 38 | 7 | 0 | 10 | 0 | 0 | 21 | -44 | 32 | 9.6 | 27 | 9 | 6 | 1 | 0 | 5 | 0 | 0 | 0 | 1 |
| 14.0 | 62 | 24 | 17 | 0 | 11 | 2 | 0 | 15 | - | - | 4.0 | 27 | 8 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| 13.7 | 59 | 29 | 8 | 0 | 12 | 1 | 0 | 20 | -41 | 33 | 6.4 | 28 | 8 | 6 | 1 | 0 | 3 | 0 | 0 | 0 | 0 |
| 14.5 | 61 | 22 | 7 | 0 | 7 | 0 | 0 | 38 | -15 | 72 | 20.2 | 10 | 9 | 6 | 1 | 1 | 4 | 0 | 0 | 0 | 0 |

ABSZOLÚT RADIÁCIÓS MINIMUM (°C)
*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Apr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA
*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

**1993.augusztus**

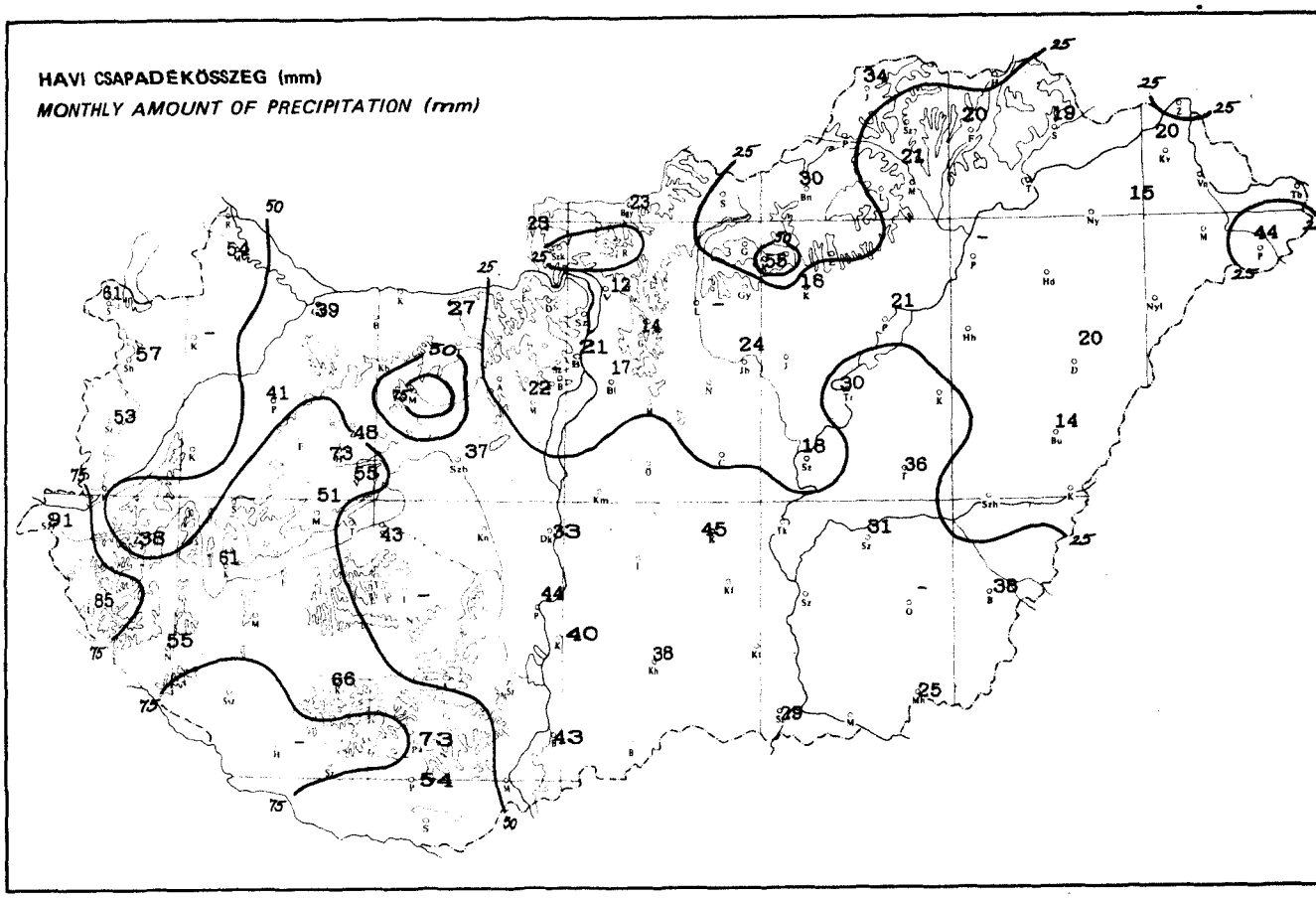
| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mosonmagyaróvár | 273 | 19.8 | 35.1 | 4 | 7.5 | 12 | 2.5 | 30 | 54 | -5 | 92 | 27.7 | 31 |
| Rajka | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sopronhorpács | 249 | 19.9 | 34.7 | 4 | 6.7 | 30 | 4.0 | 30 | 57 | -13 | 81 | 13.1 | 24 |
| Káld | – | 20.7 | 35.1 | 5 | 6.2 | 30 | 4.9 | 30 | 55 | -20 | 73 | 14.1 | 24 |
| Körmend | – | 20.5 | 36.4 | 4 | 7.0 | 30 | 5.3 | 30 | 48 | -35 | 58 | 11.0 | 24 |
| Lenti | – | 19.5 | 35.0 | 4 | 4.6 | 30 | 3.6 | 30 | 85 | -1 | 99 | 33.5 | 5 |
| Letenye | – | 19.7 | 33.7 | 22 | 4.5 | 30 | 3.0 | 30 | 65 | -11 | 86 | 17.9 | 25 |
| Hárskút | 281 | 18.6 | 31.2 | 5 | 6.5 | 30 | 4.0 | 30 | 73 | – | – | 25.1 | 10 |
| Farkasgyepű | – | 19.2 | 34.5 | 5 | 8.0 | 31 | 6.2 | 30 | 67 | -22 | 75 | 39.0 | 10 |
| Mencshely | 276 | 19.8 | 33.3 | 5 | 6.8 | 30 | 5.0 | 30 | 51 | -33 | 61 | 18.5 | 25 |
| Sümeg | – | 21.4 | 36.8 | 4 | 6.3 | 30 | 4.9 | 30 | 68 | -9 | 88 | 19.4 | 10 |
| Tihany | – | 22.1 | 36.5 | 5 | 9.6 | 30 | 8.5 | 30 | 44 | -23 | 66 | 20.7 | 25 |
| Zirc | – | 18.4 | 31.8 | 5 | 5.8 | 27 | 4.5 | 27 | 48 | -45 | 52 | 15.6 | 31 |
| Fonyód | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Homokszentgyörgy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Marcali | – | 22.2 | 35.7 | 4 | 8.3 | 30 | 7.5 | 30 | 50 | -23 | 68 | 14.4 | 25 |
| Somogyszob | – | 20.6 | 36.1 | 5 | 4.6 | 30 | 2.6 | 30 | 81 | +4 | 105 | 28.2 | 25 |
| Tab | – | 20.7 | 35.6 | 5 | 5.8 | 30 | 4.1 | 30 | 37 | -42 | 47 | 17.1 | 25 |
| Bábolna | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Esztergom kertváros | – | 21.5 | 37.0 | 4 | 5.8 | 30 | 2.1 | 30 | 22 | -33 | 40 | 7.9 | 31 |
| Kisbér | – | 20.9 | 37.5 | 5 | 6.5 | 27 | 4.5 | 30 | 40 | -35 | 53 | 16.2 | 31 |
| Komárom | – | 21.4 | 37.1 | 5 | 6.3 | 30 | 5.1 | 30 | 33 | -32 | 51 | 15.3 | 31 |
| Tata | – | 20.8 | 35.5 | 5 | 4.8 | 30 | 3.5 | 30 | 27 | – | – | 10.1 | 31 |
| Alcsútdoboz | – | 20.4 | 35.5 | 4 | 5.0 | 30 | 4.1 | 30 | 21 | -34 | 38 | 7.9 | 24 |
| Dunaújváros Kisapostag | – | 21.2 | 35.6 | 5 | 5.0 | 30 | 4.0 | 30 | 33 | -17 | 66 | 15.9 | 25 |
| Martonvásár | – | 20.0 | 35.0 | 4 | 5.0 | 30 | 5.0 | 30 | 22 | -35 | 39 | 8.7 | 24 |
| Mór | – | 20.1 | 34.5 | 5 | 5.5 | 30 | 4.0 | 30 | 97 | +21 | 128 | 53.9 | 17 |
| Sárbogárd | – | 21.9 | 37.0 | 5 | 7.3 | 30 | 3.5 | 30 | 31 | -26 | 54 | 17.7 | 25 |
| Székesfehérvár | – | 20.1 | 35.4 | 5 | 6.5 | 27 | 1.5 | 30 | 37 | -18 | 67 | 11.2 | 24 |
| Iregszemcse | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lengyel | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykónyi | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szekszárd | – | 20.7 | 36.0 | 5 | 6.0 | 30 | 5.0 | 30 | 37 | -20 | 65 | 9.6 | 25 |
| Pécs Árpádtető | – | 19.9 | 32.4 | 23 | 7.8 | 30 | 6.4 | 30 | 73 | -3 | 96 | 22.4 | 25 |
| Mohács | – | 21.8 | 36.1 | 24 | 7.8 | 31 | 6.2 | 30 | 46 | -12 | 79 | 15.0 | 25 |
| Siklós | – | 22.7 | 35.6 | 23 | 8.0 | 30 | 7.6 | 30 | 65 | -2 | 97 | 19.0 | 25 |
| Szigetvár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Bácsalmás | – | 22.3 | 37.5 | 5 | 8.0 | 30 | 5.5 | 30 | 41 | -9 | 82 | 14.2 | 25 |
| Izsák | – | 21.9 | 35.5 | 5 | 6.5 | 30 | 5.0 | 30 | 31 | -16 | 66 | 14.8 | 25 |
| Kalocsa | 272 | 21.4 | 35.7 | 4 | 6.8 | 30 | 6.6 | 30 | 40 | -13 | 75 | 16.4 | 25 |
| Kecskemét Obszervatórium | 269 | 21.6 | 35.1 | 22 | 7.3 | 30 | 4.4 | 30 | 45 | -3 | 94 | 16.1 | 10 |
| Kiskunfélegyháza | – | 22.1 | 35.8 | 5 | 8.2 | 30 | 6.5 | 30 | 44 | -6 | 88 | 15.4 | 10 |
| Kiskunhalas | – | 21.6 | 35.0 | 23 | 8.2 | 30 | 5.8 | 30 | 38 | -22 | 63 | 14.8 | 31 |
| Kunszentmiklós | – | 21.7 | 36.6 | 4 | 5.9 | 30 | 5.2 | 30 | 27 | -26 | 51 | 15.8 | 25 |
| Tiszakécske | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Balassagyarmat | – | 20.7 | 35.1 | 5 | 4.2 | 30 | 3.6 | 30 | 23 | -27 | 46 | 11.2 | 27 |
| Romhány | – | 20.7 | 37.0 | 5 | 5.0 | 30 | 3.0 | 30 | 26 | -28 | 48 | 10.8 | 27 |
| Salgótarján | – | 19.7 | 36.0 | 5 | 2.9 | 30 | -0.8 | 30 | 25 | -34 | 42 | 7.9 | 31 |

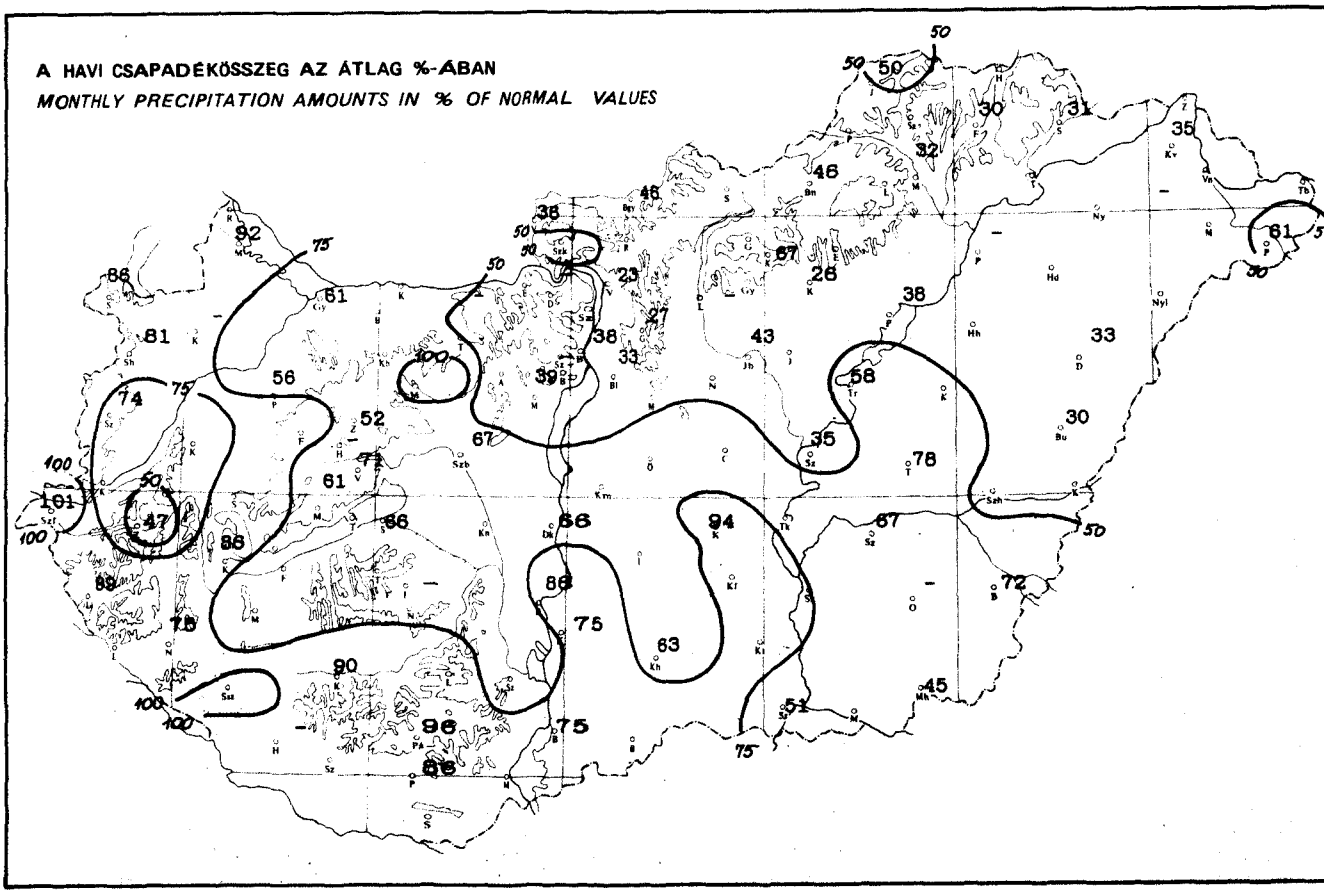
# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

1993. augusztus

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 20.4 | 33.4 | 5 | 8.4 | 31 | 7.2 | 26 | 17 | -45 | 27 | 5.4 | 24 |
| Cegléd | – | 22.0 | 36.9 | 5 | 7.7 | 30 | 4.5 | 30 | 24 | -22 | 52 | 12.8 | 25 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 276 | 21.1 | 34.0 | 5 | 7.7 | 30 | 4.0 | 27 | 14 | -38 | 27 | 4.6 | 24 |
| Szokolya Királyrét | – | 19.1 | 34.9 | 16 | 3.8 | 27 | 2.0 | 27 | 35 | -25 | 58 | 10.2 | 17 |
| Monor | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykáta | – | 21.7 | 36.4 | 4 | 8.5 | 30 | 8.0 | 30 | 27 | -29 | 48 | 6.8 | 24 |
| Örkény | – | 22.4 | 37.6 | 5 | 5.5 | 30 | 5.1 | 30 | 29 | -17 | 63 | 12.4 | 31 |
| Szentendre | – | 21.8 | 36.0 | 22 | 7.0 | 30 | 6.5 | 30 | 23 | -34 | 40 | 12.3 | 24 |
| Vác | – | 21.1 | 36.0 | 5 | 4.2 | 30 | 3.6 | 30 | 12 | -40 | 23 | 4.8 | 24 |
| Vámosmikola | 276 | 21.3 | 38.1 | 4 | 4.0 | 27 | 3.1 | 27 | 23 | -41 | 36 | 8.9 | 27 |
| Eger | – | 21.3 | 36.5 | 5 | 9.5 | 12 | 5.5 | 30 | 44 | -20 | 69 | 23.0 | 6 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 22.3 | 37.0 | 5 | 7.7 | 30 | 5.4 | 30 | 15 | -37 | 29 | 3.8 | 24 |
| Kompolt | 272 | 21.5 | 35.0 | 22 | 7.4 | 29 | 4.4 | 29 | 16 | -45 | 26 | 4.9 | 27 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 21.9 | 35.2 | 22 | 6.9 | 30 | 4.2 | 30 | 21 | -35 | 38 | 5.3 | 10 |
| Jászapáti | – | 22.2 | 36.3 | 4 | 6.5 | 30 | 5.5 | 30 | 19 | -37 | 34 | 6.9 | 24 |
| Jászberény | – | 21.6 | 35.5 | 22 | 6.7 | 30 | 5.5 | 30 | 24 | -32 | 43 | 6.1 | 24 |
| Karcag | – | 21.9 | 35.6 | 5 | 7.2 | 30 | 5.4 | 27 | 25 | -25 | 50 | 13.2 | 10 |
| Tiszaroff | – | 21.6 | 35.6 | 17 | 8.2 | 30 | 5.0 | 30 | 30 | -22 | 58 | 11.8 | 10 |
| Túrkeve | 259 | 22.1 | 36.2 | 4 | 7.2 | 30 | 4.8 | 30 | 36 | -10 | 78 | 22.9 | 10 |
| Kistelek | – | 22.5 | 36.5 | 22 | 7.6 | 30 | 6.9 | 30 | 42 | -9 | 82 | 14.5 | 10 |
| Makó | – | 22.4 | 36.2 | 23 | 7.7 | 30 | 6.1 | 30 | 28 | -34 | 45 | 7.0 | 31 |
| Szentes | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Borsodnádasd | – | 19.0 | 34.2 | 5 | 3.0 | 30 | -0.5 | 30 | 30 | -35 | 46 | 8.8 | 31 |
| Fugöd | – | 18.9 | 35.0 | 5 | 3.2 | 27 | 0.8 | 27 | 20 | -46 | 30 | 4.6 | 17 |
| Hidasnémeti | – | 20.4 | 34.5 | 5 | 6.6 | 30 | 5.4 | 27 | 28 | -40 | 41 | 12.8 | 31 |
| Jósvafő | 237 | 19.4 | 33.7 | 5 | 6.1 | 27 | 3.2 | 27 | 34 | -34 | 50 | 9.8 | 27 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 205 | 19.8 | 34.2 | 23 | 6.5 | 27 | 5.5 | 27 | 19 | -43 | 31 | 5.9 | 27 |
| Szendrőlád | – | 20.0 | 36.0 | 5 | 4.5 | 29 | 4.0 | 29 | 16 | -50 | 24 | 6.0 | 31 |
| Tokaj | – | 20.9 | 33.5 | 23 | 8.6 | 27 | 5.5 | 27 | 29 | -35 | 45 | 10.8 | 27 |
| Kisvárda | 245 | 19.3 | 32.5 | 23 | 6.6 | 27 | 5.0 | 27 | 20 | -37 | 35 | 8.8 | 27 |
| Mátészalka | – | 20.6 | 34.0 | 5 | 8.0 | 30 | 7.0 | 30 | 22 | -38 | 37 | 8.5 | 18 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 18.8 | 34.1 | 5 | 3.0 | 30 | 2.0 | 30 | 44 | -28 | 61 | 8.3 | 10 |
| Tiszabecs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vásárosnamény | – | 20.7 | 34.0 | 23 | 7.2 | 27 | 6.0 | 27 | 21 | -43 | 33 | 5.5 | 27 |
| Záhony | – | 21.2 | 37.0 | 5 | 7.6 | 30 | 7.0 | 30 | 25 | -43 | 37 | 10.5 | 27 |
| Berettyóújfalu | – | 21.2 | 34.2 | 5 | 6.3 | 30 | 4.8 | 30 | 14 | -33 | 30 | 4.5 | 6 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 21.0 | 35.5 | 5 | 7.0 | 30 | 6.2 | 30 | 19 | -29 | 40 | 3.8 | 27 |
| Körösszakál | – | 21.0 | 34.2 | 5 | 6.2 | 30 | 5.7 | 30 | 19 | -34 | 36 | 5.6 | 27 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 22.5 | 35.1 | 4 | 9.3 | 30 | 7.3 | 30 | 25 | -30 | 45 | 10.8 | 10 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 292 | 21.7 | 35.5 | 22 | 7.0 | 30 | 3.4 | 30 | 31 | -15 | 67 | 8.4 | 31 |
| Szeghalom | – | 22.0 | 36.6 | 5 | 8.4 | 31 | 6.7 | 30 | 18 | -30 | 38 | 4.3 | 10 |




Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 98.544
HU ISSN 0133 – 1582

QC9 89,H9 ±7

# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT

BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. szeptember CXXIII. évf. 9. szám

Az idei szeptembert az ország túlnyomó részén a szokásosnál csapadékosabb és hűvösebb időjárás jellemezte.

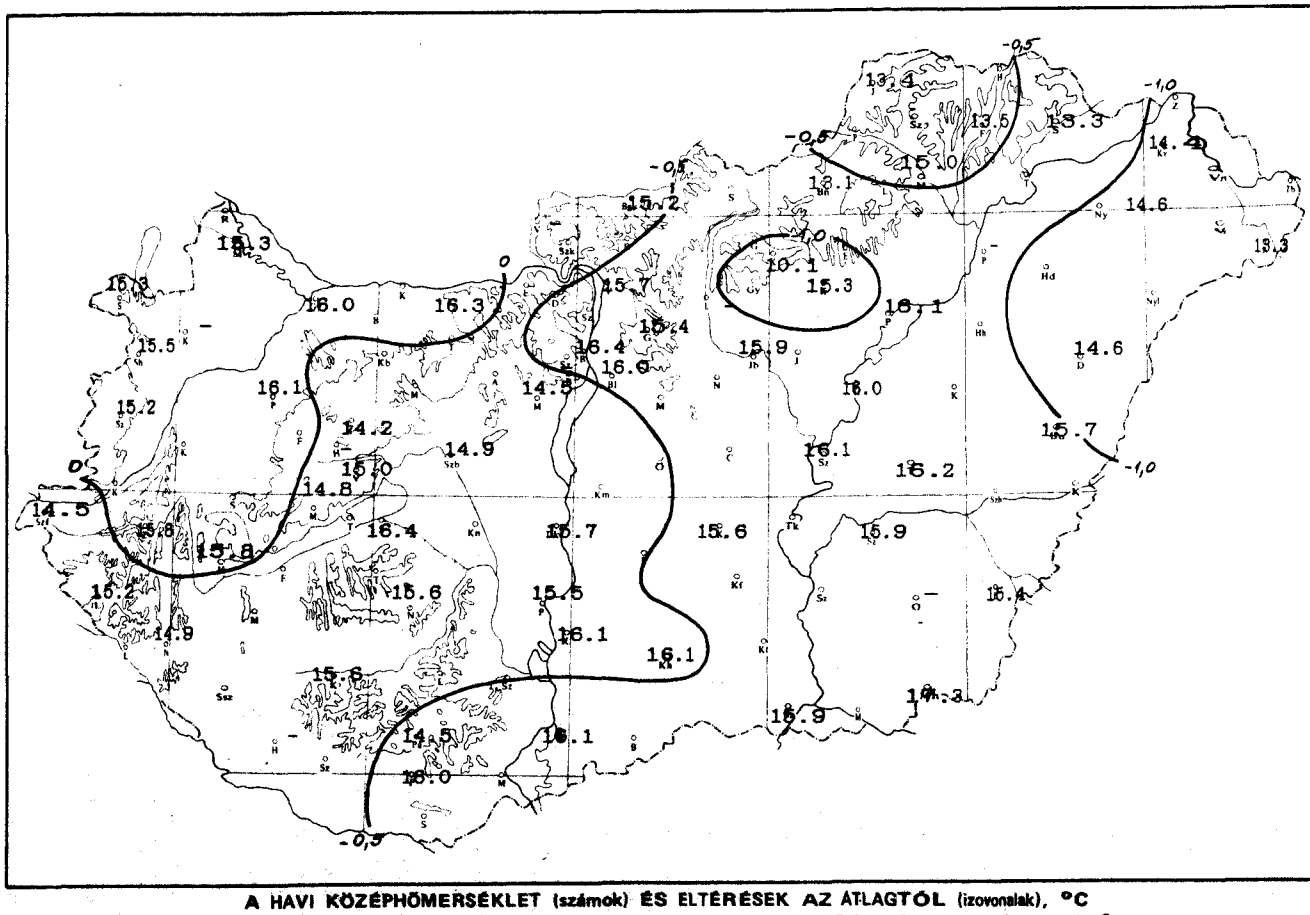
A szeptemberi napfénytartam a sokévi átlag 90 és 115%-a között mozgott. A legtöbb napsütést (224 óra, a sokévi átlag 114%-a) Budapest belterületén regisztrálták, a legkevesebb (158 óra, a sokévi átlag 89%-a) Szombathelyen adódott.

A magasabban fekvő hegyvidéki állomásainkat kivéve a szeptemberi középhőmérséklet 13,3 és 17,3°C között váltakozott. A havi hőmérsékleti anomália a Dunántúlon +0,3 és -0,6 fok, az ország keleti részén -0,6 és -1,2 fok között alakult. A hónap legmagasabb hőmérsékletét (31,2°C) Makó térségében szeptember 9-én észlelték, ezen a napon Szegeden is 31,0°C-ig emelkedett a hőmérő higanyszála. A hónap legalacsonyabb hőmérsékletét (-0,8°C) Borsodnádasdon szeptember 30-án mérték, szeptember 21-én Békéscsaba térségében az éjszakai órákban 0,8°C-ig csökkent a hőmérséklet.

A szeptemberi csapadék területi eloszlása meglehetősen szeszélyes képet mutat. A Dunántúl jelentősebb részén és a Duna-Tisza közén az átlagosnál több csapadék hullott, főként az ország déli területein a havi csapadékösszeg 60-130%-kal haladta meg a sokévi átlagot. Észak-kelet egyes területein is jelentős mennyiségű csapadék hullott. A havi legnagyobb csapadékhozamot (132 mm-t, a sokévi átlag 254%-át) Szigetvár jelentette, a legkevesebb csapadékot (25 mm-t, az átlagos érték csak 54%-át) Füglödön regisztrálták. A 24 óra alatt hullott legnagyobb csapadékmennyiséget (46,0 mm/nap) a balassagyarmati meteorológiai állomáson szeptember 14-én jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1013,5 és 1015,1 hPa között váltakozott. A tengerszinti légnyomás maximuma (1031,3 hPa) szeptember 19-én Egerben, minimuma (999,8 hPa) szeptember 14-én Sopronban volt.

A havi legerősebb széllökést (26,1 m/s-ot) szeptember 10-én Szegeden regisztrálták.



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C

THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:

Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993. szeptember**

**CSAPADÉK (mm)** **(0.0 = csapadéknyom)** *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 7.8 | 0.3 | 0.5 | 0.3 | 1.5 | . | . | . | . | 8.4 | . | 12.2 | 0.0 | 0.0 | . |
| Szombathely | 1.3 | . | 0.0 | 1.3 | . | . | . | . | . | 8.6 | . | 2.4 | . | 1.1 | . |
| Győr | 0.0 | . | 3.4 | 0.2 | 0.6 | . | . | . | . | 1.6 | . | 0.1 | . | 5.4 | . |
| Pápa | 0.0 | 0.1 | 10.2 | 12.6 | 0.0 | . | . | . | . | 2.9 | . | . | . | 5.6 | . |
| Veszprém | 0.1 | 0.0 | 0.0 | 3.1 | . | . | . | . | . | 0.5 | . | 5.4 | . | 11.8 | . |
| Keszthely | 2.6 | . | 6.3 | 6.1 | 0.0 | . | . | . | . | 3.7 | 3.7 | . | . | 6.4 | . |
| Siófok | 0.1 | 0.0 | 0.2 | 6.0 | 0.4 | . | . | . | . | 1.7 | 0.1 | 0.6 | . | 9.9 | . |
| Kaposvár | 0.9 | . | 7.1 | 19.6 | 0.7 | . | . | . | 0.0 | 6.6 | 3.4 | 0.7 | . | 9.6 | . |
| Zalaegerszeg | 3.5 | 0.0 | 3.5 | 7.8 | 0.5 | . | . | . | . | 5.0 | . | . | . | 2.3 | . |
| Szentgotthárd | 0.3 | 0.0 | 0.6 | 8.5 | 1.1 | . | . | . | . | 11.5 | . | . | . | 1.0 | . |
| Nagykanizsa | 0.8 | 0.3 | 7.0 | 13.3 | 1.8 | . | . | . | 0.1 | 9.4 | . | . | . | 4.2 | . |
| Pécs | 0.6 | 0.2 | 1.3 | 25.0 | 0.7 | . | . | . | 2.7 | 10.0 | 8.6 | 2.8 | . | 7.4 | . |
| Budapest KMI | 0.0 | 0.0 | 16.2 | 1.6 | 0.4 | . | . | 0.2 | . | 4.6 | . | 0.2 | 0.0 | 14.9 | . |
| Budapest KLFI | 0.0 | 0.0 | 21.1 | 2.1 | 0.0 | . | . | . | . | 0.0 | . | 0.0 | . | 19.7 | . |
| Paks | 0.8 | . | 1.1 | 9.4 | 0.2 | . | . | . | 4.2 | 10.3 | . | 6.2 | . | 7.0 | . |
| Baja | 0.2 | . | 4.0 | 30.6 | 0.0 | . | . | . | 0.3 | 17.3 | 0.1 | 0.1 | . | 8.1 | . |
| Szeged | 1.3 | . | 2.4 | 11.3 | 3.1 | . | . | 0.0 | 0.7 | 16.0 | 0.1 | . | . | 4.5 | 0.2 |
| Szolnok | 0.0 | 0.4 | 3.1 | 2.5 | 2.2 | . | . | 1.4 | 0.0 | 0.3 | . | 0.2 | . | 8.1 | 0.0 |
| Kékestető | . | . | 12.2 | 0.1 | 13.2 | . | . | 1.0 | . | . | . | 0.2 | . | 24.2 | 0.8 |
| Miskolc | 0.3 | . | 6.1 | 0.0 | 3.9 | . | . | 0.2 | 0.5 | . | . | 5.7 | . | 6.1 | 0.7 |
| Nyíregyháza Nap | 1.8 | 7.0 | 4.4 | 0.8 | 2.5 | . | . | . | . | 0.0 | . | 7.3 | . | . | 0.9 |
| Debrecen | 2.2 | 0.0 | 1.2 | 7.8 | 1.3 | 1.9 | . | 2.1 | 2.5 | 0.2 | 0.0 | 3.9 | . | . | 0.3 |
| Békéscsaba | 0.5 | 0.0 | 0.1 | 8.0 | 6.4 | 0.6 | . | 0.0 | 0.7 | 6.3 | 0.0 | 1.9 | . | . | 1.2 |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 12.2 | 14.9 | 14.7 | 13.7 | 11.6 | 12.0 | 13.0 | 16.8 | 21.1 | 18.4 | 16.9 | 15.4 | 18.1 | 18.6 | 17.2 |
| Szombathely | 12.6 | 14.5 | 14.7 | 12.8 | 12.8 | 12.6 | 13.9 | 18.0 | 20.6 | 18.6 | 17.0 | 15.0 | 18.0 | 19.7 | 17.2 |
| Győr | 13.4 | 14.2 | 15.2 | 14.4 | 12.7 | 12.4 | 14.8 | 18.7 | 21.8 | 21.1 | 17.6 | 15.4 | 19.3 | 21.5 | 17.6 |
| Pápa | 13.5 | 14.7 | 14.8 | 13.8 | 12.4 | 12.7 | 16.2 | 19.3 | 21.7 | 21.5 | 17.7 | 15.9 | 19.4 | 20.5 | 17.5 |
| Veszprém | 12.4 | 13.5 | 14.9 | 13.8 | 11.7 | 11.6 | 13.8 | 17.5 | 20.9 | 20.9 | 17.4 | 16.2 | 17.9 | 19.3 | 16.2 |
| Keszthely | 12.8 | 15.1 | 14.7 | 13.6 | 13.9 | 12.9 | 15.0 | 18.9 | 20.9 | 21.0 | 17.1 | 16.2 | 18.6 | 19.1 | 16.9 |
| Siófok | 15.0 | 16.1 | 16.2 | 15.1 | 14.1 | 13.6 | 14.3 | 18.8 | 21.7 | 21.9 | 18.6 | 17.7 | 18.9 | 20.9 | 17.4 |
| Kaposvár | 12.4 | 14.4 | 14.0 | 15.0 | 13.0 | 12.3 | 14.5 | 19.7 | 21.8 | 21.9 | 17.8 | 16.9 | 17.8 | 20.1 | 16.7 |
| Zalaegerszeg | 12.2 | 13.9 | 13.4 | 13.5 | 13.2 | 12.3 | 14.7 | 18.6 | 21.0 | 21.1 | 17.0 | 16.6 | 18.5 | 19.8 | 17.9 |
| Szentgotthárd | 11.9 | 13.6 | 13.0 | 12.0 | 11.7 | 11.5 | 13.5 | 17.9 | 20.4 | 19.3 | 15.9 | 14.5 | 17.3 | 18.5 | 16.3 |
| Nagykanizsa | 11.7 | 13.0 | 13.4 | 13.8 | 12.3 | 11.0 | 13.9 | 19.4 | 21.0 | 20.8 | 16.9 | 16.0 | 17.4 | 18.3 | 16.8 |
| Pécs | 12.3 | 14.5 | 15.2 | 15.1 | 12.9 | 12.4 | 15.0 | 19.7 | 21.2 | 21.5 | 18.7 | 17.5 | 18.4 | 19.6 | 16.4 |
| Budapest KMI | 13.2 | 16.0 | 15.1 | 15.6 | 14.2 | 13.3 | 14.7 | 17.7 | 21.8 | 21.4 | 19.6 | 18.5 | 18.3 | 21.4 | 17.2 |
| Budapest KLFI | 13.5 | 15.4 | 14.1 | 15.6 | 14.2 | 13.0 | 14.1 | 18.1 | 21.9 | 22.1 | 19.3 | 18.9 | 18.4 | 21.7 | 16.7 |
| Paks | 13.1 | 14.9 | 14.2 | 15.2 | 13.7 | 12.3 | 13.4 | 18.2 | 21.8 | 22.0 | 18.3 | 17.3 | 17.7 | 20.7 | 16.6 |
| Baja | 13.2 | 14.4 | 14.6 | 15.8 | 13.8 | 12.8 | 14.3 | 18.7 | 22.3 | 21.7 | 18.8 | 17.6 | 18.1 | 21.5 | 17.2 |
| Szeged | 11.8 | 13.8 | 14.3 | 15.8 | 13.8 | 12.5 | 13.8 | 17.9 | 23.0 | 21.7 | 19.2 | 18.2 | 17.7 | 21.6 | 16.6 |
| Szolnok | 13.4 | 14.4 | 14.6 | 15.2 | 13.5 | 13.7 | 14.6 | 18.1 | 22.8 | 22.3 | 20.3 | 18.4 | 18.1 | 22.3 | 17.8 |
| Kékestető | 6.6 | 8.6 | 8.1 | 8.4 | 6.4 | 6.0 | 8.9 | 12.1 | 15.8 | 15.4 | 13.4 | 12.8 | 12.6 | 15.5 | 10.2 |
| Miskolc | 11.4 | 14.1 | 12.4 | 14.5 | 11.5 | 12.2 | 14.1 | 15.8 | 20.1 | 21.4 | 20.8 | 16.8 | 16.6 | 21.0 | 16.6 |
| Nyíregyháza Nap | 11.0 | 13.1 | 12.8 | 14.1 | 11.7 | 11.5 | 12.6 | 16.3 | 20.1 | 20.8 | 19.8 | 14.3 | 16.5 | 21.5 | 16.7 |
| Debrecen | 10.9 | 13.8 | 12.6 | 13.7 | 11.9 | 11.2 | 12.1 | 16.3 | 20.6 | 20.8 | 19.7 | 15.4 | 16.4 | 20.9 | 16.4 |
| Békéscsaba | 11.9 | 13.8 | 13.3 | 15.1 | 13.0 | 12.7 | 13.5 | 16.9 | 22.8 | 21.9 | 19.3 | 17.6 | 17.3 | 21.6 | 16.9 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 3.1 | 10.3 | 0.3 | 1.3 | 6.7 | 9.3 | 10.8 | 6.4 | 8.8 | 5.1 | 9.4 | 5.3 | 10.4 | 5.4 | 11.2 |
| Szombathely | 2.3 | 6.5 | 1.7 | 0.4 | 6.5 | 8.6 | 10.7 | 8.2 | 6.9 | 6.6 | 4.9 | 4.6 | 9.4 | 4.7 | 10.5 |
| Győr | 7.8 | 7.7 | 1.1 | 2.3 | 7.7 | 9.3 | 10.4 | 7.6 | 8.1 | 6.4 | 8.3 | 5.2 | 9.0 | 2.8 | 9.1 |
| Pápa | 7.5 | 11.6 | 2.5 | 0.4 | 7.6 | 11.1 | 10.0 | 6.5 | 7.0 | 6.2 | 8.0 | 3.0 | 10.0 | 2.6 | 9.7 |
| Veszprém | 5.8 | 4.9 | 4.3 | 3.4 | 7.7 | 10.0 | 9.4 | 6.1 | 7.6 | 4.2 | 6.9 | 5.5 | 9.2 | 2.9 | 9.2 |
| Keszthely | 5.1 | 8.3 | 3.0 | 2.6 | 6.2 | 10.0 | 10.9 | 8.3 | 7.5 | 4.9 | 7.3 | 4.4 | 10.8 | 2.7 | 9.6 |
| Siófok | 5.8 | 9.4 | 3.2 | 3.9 | 7.3 | 9.9 | 9.9 | 7.1 | 8.0 | 4.3 | 7.6 | 6.0 | 10.6 | 4.5 | 9.6 |
| Kaposvár | 5.8 | 9.6 | 0.9 | 4.6 | 8.7 | 10.0 | 10.1 | 9.6 | 7.4 | 4.1 | 7.6 | 8.1 | 9.6 | 4.1 | 9.5 |
| Zalaegerszeg | 1.3 | 5.8 | 2.4 | 1.7 | 6.1 | 10.1 | 11.3 | 10.2 | 7.5 | 5.1 | 3.9 | 3.5 | 10.6 | 2.4 | 10.2 |
| Szentgotthárd | 2.0 | 7.0 | 1.7 | 0.0 | 6.3 | 10.9 | 11.0 | 8.9 | 7.2 | 5.8 | 5.4 | 5.6 | 9.7 | 5.2 | 10.0 |
| Nagykanizsa | 2.6 | 7.2 | 3.5 | 3.6 | 6.1 | 9.4 | 11.0 | 8.8 | 5.5 | 3.6 | 5.0 | 6.5 | 9.1 | 2.9 | 9.6 |
| Pécs | 4.4 | 9.0 | 1.4 | 3.5 | 6.4 | 9.8 | 9.5 | 9.7 | 8.4 | 4.4 | 9.5 | 8.4 | 10.4 | 4.9 | 9.7 |
| Budapest KMI | 10.3 | 10.2 | 2.2 | 6.4 | 7.5 | 11.5 | 11.1 | 7.9 | 9.2 | 6.2 | 8.0 | 8.7 | 7.1 | 6.9 | 8.5 |
| Budapest KLFI | 9.1 | 9.4 | 2.7 | 5.4 | 7.7 | 10.7 | 10.2 | 7.9 | 9.0 | 4.8 | 7.9 | 9.5 | 5.7 | 7.2 | 7.2 |
| Paks | 5.8 | 10.8 | 1.2 | 4.4 | 7.1 | 11.3 | 9.5 | 6.3 | 7.7 | 2.8 | 9.0 | 5.8 | 10.3 | 7.1 | 9.3 |
| Baja | 3.7 | 9.6 | 1.9 | 4.8 | 5.1 | 10.1 | 9.4 | 5.9 | 9.2 | 4.9 | 10.5 | 5.4 | 10.2 | 7.0 | 7.8 |
| Szeged | 3.3 | 6.7 | 1.8 | 2.4 | 1.7 | 10.8 | 9.1 | 3.9 | 8.9 | 3.4 | 8.4 | 3.8 | 9.7 | 7.8 | 5.2 |
| Szolnok | 4.7 | 5.7 | 2.3 | 4.5 | 2.8 | 10.9 | 10.3 | 5.9 | 9.2 | 1.8 | 10.4 | 3.8 | 7.7 | 7.4 | 7.2 |
| Kékestető | 6.4 | 4.6 | 1.2 | 4.8 | 1.8 | 11.4 | 11.7 | 7.6 | 8.7 | 2.8 | 9.1 | 5.3 | 6.2 | 7.2 | 5.1 |
| Miskolc | 2.3 | 3.5 | 0.3 | 5.6 | 1.2 | 10.3 | 10.8 | 8.4 | 6.9 | 5.0 | 10.0 | 2.6 | 5.6 | 8.5 | 6.6 |
| Nyíregyháza Nap | 0.8 | 4.9 | 2.2 | 3.4 | 0.3 | 9.4 | 11.2 | 7.4 | 6.9 | 1.4 | 10.1 | 0.0 | 7.4 | 9.5 | 3.1 |
| Debrecen | 2.3 | 4.1 | 3.5 | 2.4 | 0.0 | 7.2 | 9.5 | 5.6 | 8.7 | 2.3 | 9.0 | 0.5 | 8.0 | 9.5 | 2.6 |
| Békéscsaba | 3.0 | 3.9 | 1.9 | 1.7 | 0.7 | 6.9 | 10.3 | 4.6 | 9.5 | 3.2 | 9.6 | 5.2 | 10.2 | 9.4 | 4.0 |

# Monthly Weather Report

*September 1993* *Vol. CXXIII, No. 9.*

In September over the territory of Hungary the weather was cooler and the precipitation amount was higher than average.

The sunshine duration reached 90-115 per cent of the average. The highest sunshine duration (224 hours, 114 per cent of average) was observed in Budapest, while the lowest one (158 hours, 89 per cent of average) occurred at Szombathely.

With the exception of the mountain stations, the monthly mean temperature varied between 13.3 °C and 17.3 °C The monthly temperature anomaly was between +0.3 and -0.6 °C in Transdanubia, and between -0.6 and -1.2 °C in the eastern part of Hungary. The highest temperature value (31.2 °C) was recorded on the 9th at Makó and Szeged, while the lowest one (-0.8 °C) on the 30th at Borsodnádasd; the temperature decreased to 0.8 °C at night of 21 September in the region of Békéscsaba.

In September, the territorial distribution of the precipitation was very changeable. The precipitation amount in Transdanubia and on the plain between the rivers of Danube and Tisza exceeded the average; the precipitation amount in the southern part of Hungary exceeded average by 60-130 per cent. The precipitation amount in the north-eastern part of Hungary was also significant. The maximum value of the monthly precipitation amount (132 mm, 254 per cent of average) was measured at Szigetvár, while the minimum value (25 mm, 54 per cent of average) was recorded at Füged. The maximum 24-hour fall (34.6 mm) occurred at Siklós.

The monthly average sea-level pressure ranged from 1013.5 to 1015.1 hPa. The maximum value of sea-level pressure (1031.3 hPa) was observed on the 19th at Eger, and the minimum value (999.8 hPa) on the 14th at Sopron.

The monthly strongest wind gust of 26.1 m/s was recorded on the 10th at Szeged.

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. szeptember

## CSAPADÉK (mm)

*PRECIPITATION (mm)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.8 | 5.0 | . | . | . | . | . | . | . | 6.0 | 7.0 | . | 0.5 | 21.2 | - | | 12805 |
| 13.2 | 3.0 | . | . | . | . | . | . | . | 3.4 | 2.8 | . | 1.3 | 20.0 | - | | 12812 |
| 1.5 | 3.9 | . | . | . | . | . | . | . | 0.5 | 0.6 | . | - | 13.0 | - | | 12822 |
| 10.9 | 8.7 | . | . | . | . | . | . | . | 0.8 | . | . | 0.0 | 14.0 | - | | 12825 |
| 1.1 | 4.7 | 0.3 | . | . | . | . | . | . | 1.6 | 0.9 | . | 0.0 | 20.0 | - | | 12830 |
| 1.6 | 20.2 | 0.3 | . | . | . | . | . | . | 2.2 | 6.8 | . | 0.0 | 33.1 | - | | 12920 |
| 0.6 | 10.1 | 0.5 | . | . | . | . | . | . | 4.0 | 3.1 | . | 0.0 | 23.3 | - | | 12935 |
| 3.2 | 2.7 | 2.5 | . | . | . | . | . | . | 2.4 | 7.0 | . | 0.3 | 25.8 | - | | 12930 |
| 0.7 | 4.3 | 0.0 | . | . | . | . | . | . | 5.8 | 2.5 | . | 1.0 | 23.1 | - | | 12915 |
| 0.0 | 3.3 | . | . | . | . | . | . | . | 3.5 | 0.4 | . | 4.4 | 19.3 | - | | 12910 |
| 4.4 | 3.6 | 2.3 | . | . | . | . | . | . | 8.4 | 9.4 | 0.3 | 1.0 | 30.1 | - | | 12925 |
| 1.1 | 0.8 | 2.0 | . | . | . | . | . | . | 2.1 | 1.0 | . | 1.0 | 19.0 | - | | 12942 |
| 2.9 | 10.6 | . | . | . | . | . | . | . | 8.6 | . | . | 0.0 | 4.5 | - | | 12840 |
| 5.7 | 11.3 | 0.1 | . | . | . | . | . | . | 4.7 | 0.0 | . | 0.0 | 5.4 | - | | 12843 |
| 0.1 | 3.4 | 2.2 | . | . | . | . | . | . | 2.5 | 2.7 | . | 0.2 | 19.3 | - | | 12950 |
| 0.4 | 0.0 | 1.5 | . | . | . | . | . | . | 2.5 | 0.3 | . | 0.7 | 17.8 | - | | 12960 |
| 1.2 | 0.9 | 1.7 | . | . | . | . | . | . | 5.8 | 1.1 | . | 0.1 | 4.0 | - | | 12982 |
| 5.2 | 5.0 | 0.6 | . | . | . | . | . | . | 2.3 | 0.3 | . | - | 0.0 | - | | 12860 |
| 0.5 | 7.6 | . | . | . | . | . | . | . | 3.1 | 1.0 | . | - | . | - | | 12851 |
| . | 4.0 | 0.0 | . | . | . | . | . | . | . | 0.0 | . | - | . | - | | 12772 |
| 0.5 | 1.6 | 0.7 | . | . | . | . | . | . | 0.1 | 4.2 | . | - | . | - | | 12893 |
| 0.8 | 3.8 | 2.2 | . | . | . | . | . | . | . | 3.7 | . | - | 0.0 | - | | 12882 |
| 0.4 | 0.0 | 3.7 | . | . | . | . | . | . | 2.2 | 0.7 | . | - | 0.7 | - | | 12992 |

## KÖZÉPHŐMÉRSÉKLET (°C)

*DAILY MEAN TEMPERATURE (°C)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.5 | 16.0 | 15.2 | 12.7 | 14.8 | 16.4 | 17.5 | 20.4 | 20.5 | 17.1 | 12.8 | 13.3 | 12.1 | 9.8 | 7.9 | | 12805 |
| 15.4 | 14.8 | 14.4 | 13.0 | 14.8 | 16.0 | 16.9 | 19.3 | 19.2 | 16.0 | 13.6 | 13.1 | 12.0 | 10.4 | 8.4 | | 12812 |
| 16.9 | 17.0 | 15.2 | 13.1 | 15.2 | 15.9 | 16.3 | 18.9 | 21.8 | 18.6 | 14.2 | 13.9 | 12.7 | 11.9 | 8.0 | | 12822 |
| 17.2 | 15.8 | 15.2 | 13.2 | 15.5 | 16.6 | 17.6 | 20.0 | 21.3 | 18.7 | 14.1 | 13.5 | 13.3 | 12.0 | 8.6 | | 12825 |
| 16.4 | 15.6 | 13.7 | 12.2 | 13.1 | 14.5 | 14.9 | 16.4 | 17.9 | 15.5 | 13.9 | 12.4 | 13.8 | 11.4 | 9.4 | | 12830 |
| 17.0 | 15.6 | 14.2 | 13.9 | 15.9 | 16.2 | 17.0 | 18.4 | 18.5 | 16.7 | 15.1 | 13.3 | 13.4 | 12.1 | 10.5 | | 12920 |
| 17.9 | 17.2 | 15.5 | 13.7 | 15.0 | 15.4 | 16.2 | 16.8 | 17.7 | 15.7 | 15.7 | 14.7 | 14.6 | 13.2 | 11.0 | | 12935 |
| 18.6 | 16.1 | 14.0 | 13.9 | 14.8 | 14.3 | 14.8 | 16.5 | 17.7 | 15.9 | 15.6 | 12.7 | 13.7 | 11.6 | 10.0 | | 12930 |
| 17.2 | 14.8 | 14.2 | 12.6 | 15.9 | 14.9 | 16.1 | 19.2 | 20.8 | 16.5 | 15.0 | 13.0 | 12.1 | 12.2 | 9.0 | | 12915 |
| 16.0 | 13.9 | 12.7 | 12.4 | 14.2 | 14.6 | 15.6 | 18.1 | 19.7 | 14.9 | 13.9 | 11.7 | 11.3 | 9.8 | 7.7 | | 12910 |
| 17.5 | 15.2 | 13.6 | 13.5 | 15.1 | 13.4 | 14.5 | 16.5 | 16.8 | 14.4 | 14.6 | 12.8 | 12.2 | 11.3 | 9.9 | | 12925 |
| 18.2 | 17.1 | 14.3 | 14.6 | 14.9 | 15.1 | 14.9 | 17.1 | 18.9 | 17.2 | 16.0 | 13.8 | 15.2 | 12.3 | 10.3 | | 12942 |
| 18.3 | 16.8 | 15.5 | 13.6 | 14.4 | 14.9 | 16.6 | 16.3 | 17.6 | 17.5 | 15.9 | 14.0 | 13.4 | 12.6 | 9.9 | | 12840 |
| 17.1 | 16.9 | 15.3 | 12.8 | 14.0 | 14.4 | 15.5 | 16.7 | 18.0 | 17.5 | 15.6 | 14.1 | 13.4 | 12.0 | 8.7 | | 12843 |
| 17.6 | 16.1 | 14.3 | 13.5 | 14.2 | 14.7 | 15.9 | 15.3 | 16.0 | 15.3 | 15.5 | 12.2 | 12.9 | 12.0 | 9.9 | | 12950 |
| 18.2 | 17.6 | 14.6 | 13.8 | 15.2 | 15.3 | 15.7 | 16.0 | 17.9 | 17.5 | 16.6 | 13.3 | 14.4 | 12.4 | 9.9 | | 12960 |
| 17.9 | 17.2 | 14.2 | 12.9 | 14.3 | 13.8 | 15.1 | 16.5 | 17.7 | 18.9 | 17.7 | 13.6 | 14.3 | 12.8 | 9.0 | | 12982 |
| 18.2 | 16.7 | 15.0 | 13.4 | 13.4 | 13.5 | 15.1 | 15.6 | 17.6 | 18.3 | 17.7 | 13.9 | 13.8 | 12.6 | 8.4 | | 12860 |
| 11.2 | 10.5 | 9.3 | 7.3 | 7.9 | 9.4 | 10.2 | 11.9 | 14.6 | 14.9 | 10.5 | 7.4 | 8.5 | 6.2 | 1.7 | | 12851 |
| 15.5 | 16.6 | 13.9 | 12.4 | 11.7 | 12.8 | 15.6 | 15.5 | 16.7 | 18.5 | 16.6 | 14.4 | 13.2 | 10.6 | 7.1 | | 12772 |
| 16.5 | 16.3 | 13.5 | 11.8 | 10.6 | 12.1 | 14.7 | 15.3 | 17.0 | 17.4 | 16.6 | 12.7 | 12.0 | 9.9 | 7.4 | | 12893 |
| 16.4 | 15.6 | 13.7 | 12.7 | 11.5 | 12.6 | 14.3 | 15.1 | 16.9 | 18.1 | 16.2 | 12.5 | 11.5 | 11.4 | 8.2 | | 12882 |
| 17.4 | 17.1 | 13.8 | 12.8 | 12.4 | 12.6 | 13.7 | 14.9 | 16.3 | 18.7 | 18.1 | 14.3 | 12.6 | 11.9 | 8.3 | | 12992 |

## NAPSÜTÉS (óra)

*DURATION OF SUNSHINE (HOURS)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám / Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.0 | 7.4 | 7.0 | 0.0 | 6.8 | 8.6 | 9.1 | 9.7 | 9.8 | 6.1 | 0.0 | 5.8 | 6.4 | 0.0 | 6.2 | | 12805 |
| 6.5 | 1.4 | 2.2 | 0.0 | 0.1 | 8.9 | 9.0 | 8.0 | 8.6 | 4.6 | 1.5 | 3.7 | 7.4 | 0.0 | 3.1 | | 12812 |
| 7.7 | 7.8 | 8.0 | 0.7 | 1.2 | 9.0 | 9.7 | 9.7 | 10.1 | 7.8 | 0.4 | 7.7 | 6.0 | 0.0 | 8.5 | | 12822 |
| 7.0 | 4.6 | 6.5 | 0.0 | 2.7 | 10.3 | 10.1 | 9.7 | 10.2 | 7.7 | 1.8 | 6.2 | 5.3 | 0.0 | 7.8 | | 12825 |
| 8.4 | 1.4 | 3.8 | 0.0 | 2.5 | 9.8 | 9.7 | 9.6 | 9.8 | 7.8 | 5.3 | 1.6 | 5.1 | 0.0 | 7.3 | | 12830 |
| 9.9 | 1.7 | 1.0 | 0.0 | 2.4 | 9.9 | 10.4 | 10.2 | 10.1 | 5.9 | 4.4 | 1.4 | 5.9 | 0.0 | 5.4 | | 12920 |
| 9.4 | 1.8 | 1.5 | 0.1 | 2.1 | 10.4 | 10.1 | 10.3 | 10.3 | 8.2 | 5.4 | 3.7 | 6.2 | 0.0 | 5.9 | | 12935 |
| 10.0 | 3.6 | 0.3 | 2.7 | 0.8 | 9.5 | 9.9 | 9.5 | 9.7 | 6.6 | 6.8 | 3.0 | 7.9 | 0.0 | 6.3 | | 12930 |
| 9.5 | 0.5 | 1.4 | 0.0 | 0.8 | 9.7 | 10.2 | 9.8 | 9.9 | 3.9 | 3.7 | 0.8 | 5.2 | 0.0 | 2.1 | | 12915 |
| 9.2 | 0.2 | 1.3 | 0.0 | 0.0 | 9.2 | 9.6 | 9.8 | 10.7 | 2.3 | 2.4 | 0.6 | 7.6 | 0.0 | 0.4 | | 12910 |
| 9.0 | 3.7 | 0.0 | 4.5 | 3.4 | 9.4 | 9.5 | 9.2 | 9.2 | 3.1 | 4.5 | 2.7 | 6.5 | 0.0 | 6.6 | | 12925 |
| 9.6 | 5.3 | 0.0 | 7.4 | 4.7 | 10.5 | 10.9 | 10.7 | 10.7 | 7.8 | 4.8 | 5.4 | 9.4 | 0.0 | 5.2 | | 12942 |
| 10.6 | 6.2 | 6.0 | 0.8 | 7.2 | 10.2 | 10.0 | 10.2 | 10.1 | 9.9 | 6.5 | 5.4 | 7.1 | 0.0 | 2.5 | | 12840 |
| 10.3 | 5.1 | 4.8 | 0.9 | 7.0 | 10.7 | 10.9 | 10.6 | 10.7 | 9.4 | 7.2 | 6.6 | 6.2 | 0.0 | 2.3 | | 12843 |
| 9.9 | 3.2 | 0.5 | 3.1 | 2.7 | 10.6 | 10.4 | 10.4 | 10.3 | 8.4 | 4.6 | 4.7 | 7.3 | 0.0 | 6.3 | | 12950 |
| 9.4 | 6.7 | 0.3 | 3.5 | 4.1 | 10.3 | 10.2 | 10.5 | 10.4 | 8.1 | 3.3 | 6.3 | 9.0 | 0.0 | 4.9 | | 12960 |
| 8.7 | 5.8 | 0.6 | 0.7 | 2.7 | 9.7 | 10.6 | 10.3 | 10.5 | 9.0 | 4.5 | 7.7 | 8.0 | 0.0 | 6.2 | | 12982 |
| 10.7 | 3.7 | 4.1 | 6.8 | 8.8 | 10.4 | 10.1 | 10.3 | 10.4 | 9.7 | 6.1 | 8.0 | 7.0 | 0.0 | 3.4 | | 12860 |
| 10.5 | 8.1 | 6.6 | 4.4 | 9.0 | 9.9 | 10.2 | 9.9 | 9.9 | 9.1 | 4.6 | 6.5 | 5.9 | 0.0 | 6.1 | | 12851 |
| 6.2 | 7.9 | 3.4 | 8.7 | 10.6 | 10.3 | 9.6 | 9.6 | 10.1 | 9.3 | 5.8 | 7.4 | 6.8 | 0.0 | 10.0 | | 12772 |
| 8.3 | 6.0 | 3.6 | 10.0 | 10.7 | 10.6 | 10.1 | 10.1 | 9.9 | 9.4 | 2.6 | 6.2 | 7.3 | 0.8 | 3.9 | | 12893 |
| 9.3 | 6.2 | 3.3 | 9.3 | 10.9 | 10.4 | 10.0 | 10.0 | 10.5 | 10.0 | 2.5 | 9.0 | 6.1 | 0.0 | 6.6 | | 12882 |
| 8.8 | 3.3 | 0.9 | 4.5 | 11.5 | 11.1 | 10.8 | 10.8 | 10.8 | 10.8 | 3.9 | 8.4 | 8.8 | 0.0 | 6.7 | | 12992 |

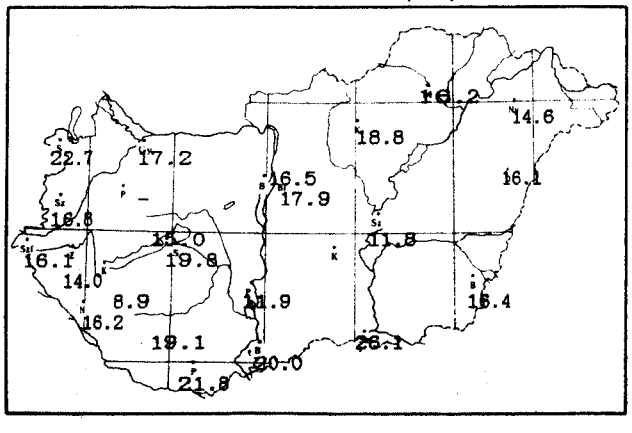
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

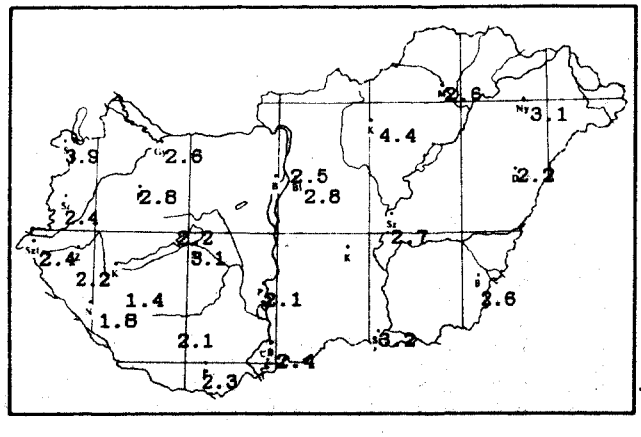
**1993. szeptember**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25 °C | fagyos nap min. ⩽ 0 °C | téli nap max. ⩽ 0 °C | zord nap min. ⩽ -10 °C | radiációs min. ⩽ 0 °C |
| Sopron | 233 | 194 | – | 4 | 7 | 15.3 | – | 28.4 | 23 | 3.8 | 30 | 0 | 8 | 0 | 0 | 0 | 0 |
| Szombathely | 224 | 158 | -18 | 3 | 7 | 15.2 | +0.1 | 29.1 | 9 | 2.4 | 30 | 0 | 6 | 0 | 0 | 0 | 0 |
| Győr | 115 | 197 | +11 | 3 | 6 | 16.0 | +0.3 | 28.5 | 9 | 2.9 | 30 | 0 | 8 | 0 | 0 | 0 | 0 |
| Pápa | 140 | 194 | – | 4 | 5 | 16.1 | – | 28.0 | 9 | 3.4 | 30 | 0 | 6 | 0 | 0 | 0 | 0 |
| Veszprém | 302 | 179 | – | 4 | 5 | 15.0 | – | 28.0 | 9 | 5.0 | 30 | 0 | 4 | 0 | 0 | 0 | 0 |
| Keszthely | 117 | 180 | -13 | 6 | 6 | 15.8 | -0.2 | 28.9 | 9 | 5.0 | 30 | 0 | 6 | 0 | 0 | 0 | 0 |
| Siófok | 108 | 193 | – | 5 | 4 | 16.4 | – | 27.4 | 14 | 8.0 | 7 | 0 | 6 | 0 | 0 | 0 | 0 |
| Kaposvár | 144 | 196 | – | 4 | 4 | 15.6 | – | 27.8 | 9 | 6.0 | 7 | 0 | 8 | 0 | 0 | 0 | 0 |
| Zalaegerszeg | 188 | 160 | – | 4 | 11 | 15.8 | – | 28.2 | 9 | 4.7 | 30 | 0 | 6 | 0 | 0 | 0 | 0 |
| Szentgotthárd | 221 | 160 | – | 6 | 7 | 14.5 | – | 26.5 | 23 | 2.9 | 30 | 0 | 3 | 0 | 0 | 0 | 2 |
| Nagykanizsa | 160 | 176 | – | 6 | 3 | 14.9 | – | 27.0 | 9 | 3.1 | 7 | 0 | 6 | 0 | 0 | 0 | 0 |
| Pécs | 201 | 212 | +6 | 4 | 6 | 16.0 | -0.6 | 28.3 | 9 | 7.7 | 7 | 0 | 6 | 0 | 0 | 0 | 0 |
| Budapest KMI | 120 | 224 | +28 | 3 | 5 | 16.4 | -0.5 | 28.5 | 9 | 8.0 | 30 | 0 | 6 | 0 | 0 | 0 | 0 |
| Budapest KLFI | 140 | 217 | +20 | 4 | 4 | 16.0 | -0.4 | 29.1 | 14 | 5.6 | 7 | 0 | 5 | 0 | 0 | 0 | 0 |
| Paks | 103 | 201 | - | 7 | 4 | 15.5 | - | 29.2 | 9 | 1.9 | 7 | 0 | 9 | 0 | 0 | 0 | 0 |
| Baja | 109 | 203 | – | 4 | 5 | 16.1 | – | 29.7 | 9 | 5.3 | 7 | 0 | 9 | 0 | 0 | 0 | 0 |
| Szeged | 82 | 182 | -28 | 4 | 3 | 15.9 | -0.6 | 31.0 | 9 | 5.5 | 7 | 2 | 11 | 0 | 0 | 0 | 0 |
| Szolnok | 85 | 204 | – | 5 | 3 | 16.1 | – | 30.2 | 9 | 4.8 | 21 | 1 | 10 | 0 | 0 | 0 | 0 |
| Kékestető | 989 | 205 | +16 | 4 | 5 | 10.1 | -1.1 | 21.2 | 14 | -1.3 | 30 | 0 | 0 | 1 | 0 | 0 | 1 |
| Miskolc | 233 | 203 | +22 | 7 | 5 | 15.0 | -0.2 | 27.8 | 14 | 2.9 | 30 | 0 | 5 | 0 | 0 | 0 | 0 |
| Nyíregyháza N | 150 | 188 | – | 6 | 7 | 14.6 | – | 28.0 | 14 | 3.4 | 21 | 0 | 3 | 0 | 0 | 0 | 0 |
| Debrecen | 114 | 189 | -12 | 5 | 8 | 14.6 | -1.2 | 28.6 | 25 | 3.7 | 7 | 0 | 6 | 0 | 0 | 0 | 0 |
| Békéscsaba | 84 | 195 | – | 6 | 4 | 15.4 | – | 29.2 | 9 | 0.8 | 21 | 0 | 7 | 0 | 0 | 0 | 1 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
***MAXIMUM WIND SPEED (m/s)***




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
***MEAN WIND SPEED (m/s)***



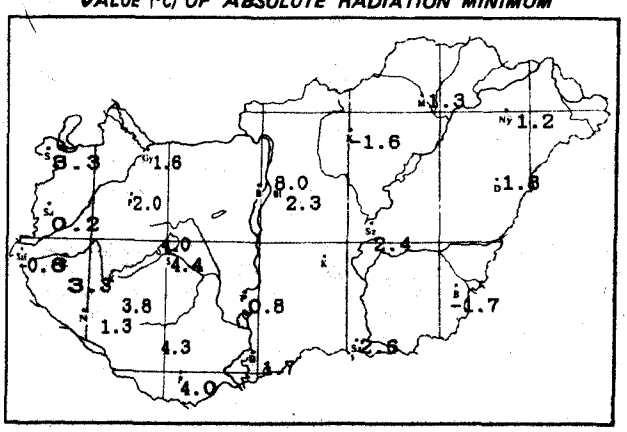
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

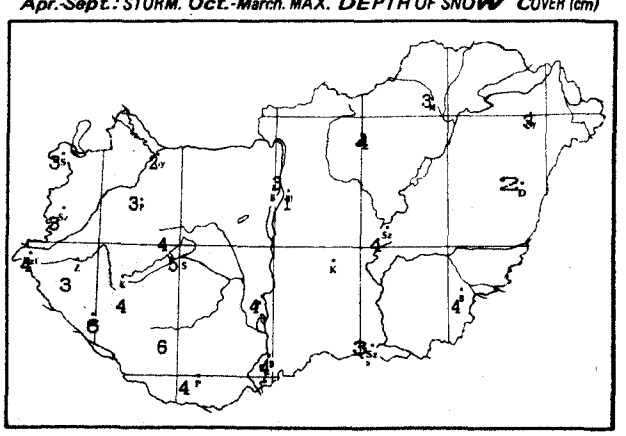
**1993.szeptember**

| Légnedvesség – *Humidity* | | | | Szél – *Wind* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma *number of days* | | | | | | | | napok száma *number of days* | | | | | | | | |
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum < 2 m/s | maximum > 10 m/s | maximum > 15 m/s | maximum > 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | > 0,1 mm | > 1,0 mm | > 5,0 mm | > 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás < 1000 m – *visibility < 1000 m* |
| 13.5 | 78 | 45 | 23 | 0 | 23 | 9 | 2 | 73 | +19 | 135 | 21.2 | 29 | 13 | 9 | 7 | 2 | 3 | 0 | 0 | 0 | 1 |
| 12.9 | 75 | 38 | 8 | 0 | 9 | 3 | 0 | 58 | +6 | 112 | 20.0 | 29 | 11 | 11 | 3 | 2 | 3 | 0 | 0 | 0 | 0 |
| 13.2 | 73 | 42 | 6 | 0 | 16 | 2 | 0 | 31 | -7 | 82 | 13.0 | 29 | 11 | 6 | 2 | 1 | 2 | 0 | 0 | 0 | 0 |
| 13.3 | 72 | 40 | 27 | 0 | 16 | 2 | 0 | 66 | +17 | 135 | 14.0 | 29 | 9 | 7 | 6 | 4 | 3 | 0 | 0 | 0 | 1 |
| 13.2 | 78 | 39 | 6 | 0 | 8 | 1 | 0 | 50 | +4 | 109 | 20.0 | 29 | 11 | 7 | 3 | 2 | 4 | 0 | 0 | 0 | 1 |
| 14.3 | 80 | 50 | 7 | 0 | 0 | 0 | 0 | 93 | +42 | 182 | 33.1 | 29 | 12 | 11 | 6 | 3 | 4 | 0 | 0 | 0 | 3 |
| 13.6 | 73 | 40 | 22 | 0 | 16 | 10 | 0 | 61 | +18 | 142 | 23.3 | 29 | 14 | 7 | 4 | 2 | 5 | 0 | 0 | 0 | 0 |
| 12.6 | 72 | 36 | 25 | 0 | 13 | 1 | 0 | 93 | +39 | 172 | 25.8 | 29 | 15 | 11 | 6 | 2 | 6 | 0 | 0 | 0 | 1 |
| 13.5 | 77 | 39 | 22 | 0 | 10 | 0 | 0 | 60 | -3 | 95 | 23.1 | 29 | 12 | 10 | 4 | 1 | 3 | 1 | 0 | 0 | 2 |
| 12.2 | 75 | 35 | 6 | 0 | 9 | 3 | 0 | 54 | -12 | 82 | 19.3 | 29 | 11 | 8 | 3 | 1 | 4 | 0 | 0 | 0 | 1 |
| 13.7 | 81 | 36 | 6 | 0 | 11 | 1 | 0 | 96 | +33 | 152 | 30.1 | 29 | 16 | 12 | 6 | 2 | 6 | 1 | 0 | 0 | 7 |
| 12.6 | 70 | 37 | 7 | 0 | 16 | 3 | 1 | 86 | +39 | 183 | 25.0 | 4 | 17 | 13 | 5 | 3 | 4 | 0 | 0 | 0 | 1 |
| 12.1 | 66 | 34 | 14 | 0 | 14 | 2 | 0 | 65 | +26 | 167 | 16.2 | 3 | 11 | 8 | 4 | 3 | 3 | 0 | 0 | 0 | 1 |
| 11.6 | 65 | 25 | 7 | 0 | 14 | 1 | 0 | 70 | +30 | 175 | 21.1 | 3 | 8 | 7 | 5 | 3 | 1 | 0 | 0 | 0 | 0 |
| 12.7 | 74 | 28 | 24 | 0 | 4 | 0 | 0 | 70 | +30 | 175 | 19.3 | 29 | 15 | 11 | 5 | 2 | 4 | 0 | 0 | 0 | 0 |
| 13.0 | 72 | 27 | 24 | 0 | 8 | 1 | 1 | 84 | +46 | 221 | 30.6 | 4 | 14 | 7 | 4 | 3 | 4 | 0 | 0 | 0 | 1 |
| 12.1 | 68 | 29 | 25 | 0 | 15 | 2 | 2 | 54 | +20 | 159 | 16.0 | 10 | 16 | 11 | 3 | 2 | 3 | 1 | 0 | 0 | 1 |
| 12.0 | 67 | 21 | 25 | 0 | 5 | 0 | 0 | 32 | -5 | 86 | 8.1 | 14 | 13 | 8 | 3 | 0 | 4 | 0 | 0 | 0 | 1 |
| 9.4 | 75 | 46 | 11 | 0 | 19 | 3 | 0 | 64 | +5 | 108 | 24.2 | 14 | 11 | 7 | 4 | 3 | 4 | 1 | 0 | 0 | 6 |
| 11.8 | 69 | 41 | 25 | 0 | 11 | 2 | 0 | 28 | -13 | 68 | 6.1 | 14 | 9 | 5 | 3 | 0 | 3 | 0 | 0 | 0 | 1 |
| 11.8 | 71 | 31 | 25 | 0 | 10 | 0 | 0 | 32 | - | - | 7.3 | 12 | 12 | 7 | 2 | 0 | 3 | 0 | 0 | 0 | 4 |
| 11.6 | 70 | 28 | 25 | 0 | 11 | 2 | 0 | 34 | -4 | 89 | 7.8 | 4 | 14 | 11 | 1 | 0 | 2 | 0 | 0 | 0 | 2 |
| 12.3 | 71 | 24 | 24 | 0 | 5 | 1 | 0 | 33 | -3 | 92 | 8.0 | 4 | 14 | 7 | 3 | 0 | 4 | 0 | 0 | 0 | 3 |

**ABSZOLÚT RADIÁCIÓS MINIMUM (°C)**
***VALUE (°C) OF ABSOLUTE RADIATION MINIMUM***




**Apr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA**
***Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)***



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

**1993. szeptember**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mosonmagyaróvár | 200 | 15.3 | 27.2 | 24 | 3.0 | 30 | 0.0 | 30 | 44 | +3 | 107 | 9.3 | 26 |
| Rajka | – | 15.8 | 28.0 | 9 | 2.4 | 30 | 1.9 | 28 | 34 | -9 | 79 | 11.0 | 10 |
| Sopronhorpács | 165 | 15.5 | 28.0 | 24 | 4.2 | 30 | 1.8 | 30 | 56 | +6 | 112 | 13.9 | 10 |
| Káld | – | 16.0 | 28.7 | 9 | 5.5 | 30 | 4.1 | 30 | 38 | -14 | 73 | 17.2 | 29 |
| Körmend | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lenti | – | 15.2 | 28.0 | 9 | 5.1 | 6 | 3.5 | 6 | 77 | +9 | 113 | 31.4 | 29 |
| Letenye | – | 15.4 | 27.7 | 9 | 4.0 | 6 | 2.0 | 6 | 97 | +30 | 145 | 24.9 | 29 |
| Hárskút | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Farkasgyepű | – | 14.7 | 24.0 | 10 | 5.9 | 30 | 4.2 | 7 | 39 | -19 | 67 | 14.2 | 29 |
| Mencshely | 179 | 14.8 | 26.6 | 9 | 4.2 | 30 | 1.8 | 7 | 63 | +11 | 121 | 17.0 | 29 |
| Sümeg | – | 16.6 | 29.6 | 9 | 3.8 | 30 | 3.4 | 30 | 83 | +32 | 163 | 24.6 | 11 |
| Tihany | – | 16.9 | 28.6 | 9 | 6.9 | 30 | 6.0 | 30 | 53 | +10 | 123 | 17.2 | 29 |
| Zirc | – | 14.2 | 26.1 | 9 | 3.2 | 30 | 1.8 | 30 | 44 | -11 | 80 | 14.1 | 14 |
| Fonyód | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Homokszentgyörgy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Marcali | – | 16.7 | 28.0 | 24 | 6.0 | 30 | 3.5 | 7 | 96 | +35 | 157 | 39.2 | 29 |
| Somogyszob | – | 15.8 | 29.1 | 9 | 4.4 | 6 | 2.4 | 30 | 75 | +15 | 125 | 27.6 | 29 |
| Tab | – | 15.9 | 28.0 | 9 | 6.6 | 28 | 6.2 | 23 | 89 | +42 | 189 | 27.6 | 29 |
| Bábolna | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Esztergom kertváros | – | 16.4 | 30.5 | 9 | 6.4 | 6 | 3.8 | 21 | 56 | +13 | 130 | 26.2 | 14 |
| Kisbér | – | 16.5 | 31.0 | 9 | 4.5 | 30 | 3.0 | 30 | 57 | +9 | 119 | 13.7 | 3 |
| Komárom | – | 16.2 | 30.2 | 9 | 4.3 | 30 | 3.2 | 30 | 43 | +1 | 102 | 17.5 | 14 |
| Tata | – | 16.3 | 29.0 | 9 | 3.8 | 30 | 3.2 | 30 | 62 | – | – | 24.7 | 14 |
| Alcsútdoboz | – | 15.4 | 29.5 | 14 | 2.4 | 7 | 2.1 | 7 | 74 | +31 | 172 | 24.2 | 14 |
| Dunaújváros Kisapostag | – | 15.7 | 29.5 | 9 | 4.0 | 7 | 2.5 | 7 | 64 | +27 | 173 | 13.6 | 29 |
| Martonvásár | – | 14.5 | 29.0 | 14 | 2.8 | 7 | 1.0 | 7 | 56 | +18 | 147 | 14.2 | 14 |
| Mór | – | 15.7 | 28.6 | 9 | 4.0 | 30 | 3.0 | 30 | 59 | +10 | 120 | 16.5 | 14 |
| Sárbogárd | – | 16.7 | 30.5 | 9 | 6.2 | 28 | 1.5 | 21 | 67 | +25 | 160 | 16.5 | 29 |
| Székesfehérvár | – | 14.9 | 29.0 | 14 | 3.0 | 7 | -1.0 | 7 | 56 | +13 | 130 | 17.0 | 14 |
| Iregszemcse | 177 | 15.6 | 27.6 | 10 | 4.8 | 7 | 4.6 | 7 | 82 | +30 | 158 | 24.8 | 29 |
| Lengyel | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykónyi | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szekszárd | – | 15.1 | 29.0 | 9 | 3.5 | 7 | 1.5 | 7 | 58 | +14 | 132 | 18.0 | 29 |
| Pécs Árpádtető | – | 14.5 | 24.0 | 14 | 5.2 | 30 | 4.6 | 30 | 106 | +53 | 200 | 26.6 | 4 |
| Mohács | – | 16.5 | 30.2 | 10 | 5.1 | 7 | 4.0 | 7 | 92 | +52 | 230 | 22.6 | 10 |
| Siklós | – | 17.1 | 29.8 | 9 | 6.6 | 7 | 6.0 | 7 | 113 | +64 | 231 | 34.6 | 4 |
| Szigetvár | – | 17.0 | 29.9 | 9 | 7.6 | 6 | 7.1 | 6 | 132 | +80 | 254 | 30.9 | 29 |
| Bácsalmás | – | 16.9 | 29.6 | 9 | 7.3 | 7 | 4.3 | 7 | 76 | +36 | 190 | 19.6 | 29 |
| Izsák | – | 16.5 | 30.2 | 9 | 5.0 | 7 | 4.0 | 7 | 42 | +5 | 114 | 7.3 | 4 |
| Kalocsa | 198 | 16.1 | 29.6 | 9 | 6.2 | 21 | 4.5 | 7 | 52 | +14 | 137 | 17.2 | 29 |
| Kecskemét Obszervatórium | 196 | 15.6 | 29.7 | 14 | 4.9 | 21 | 1.8 | 21 | 36 | -1 | 97 | 9.5 | 14 |
| Kiskunfélegyháza | – | 16.8 | 30.5 | 14 | 5.8 | 7 | 3.9 | 21 | 40 | +7 | 121 | 8.9 | 14 |
| Kiskunhalas | – | 16.1 | 29.6 | 9 | 6.6 | 21 | 3.4 | 21 | 55 | +14 | 134 | 20.8 | 4 |
| Kunszentmiklós | – | 16.5 | 30.6 | 9 | 5.6 | 21 | 4.6 | 21 | 50 | +12 | 132 | 12.3 | 14 |
| Tiszakécske | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Balassagyarmat | – | 15.2 | 29.1 | 9 | 4.8 | 28 | 3.1 | 7 | 64 | +21 | 149 | 46.0 | 14 |
| Romhány | – | 14.3 | 30.5 | 9 | 2.0 | 21 | 0.0 | 21 | 49 | +5 | 111 | 32.0 | 14 |
| Salgótarján | – | 14.5 | 28.5 | 14 | 2.1 | 6 | -0.9 | 6 | 55 | +13 | 131 | 30.2 | 14 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

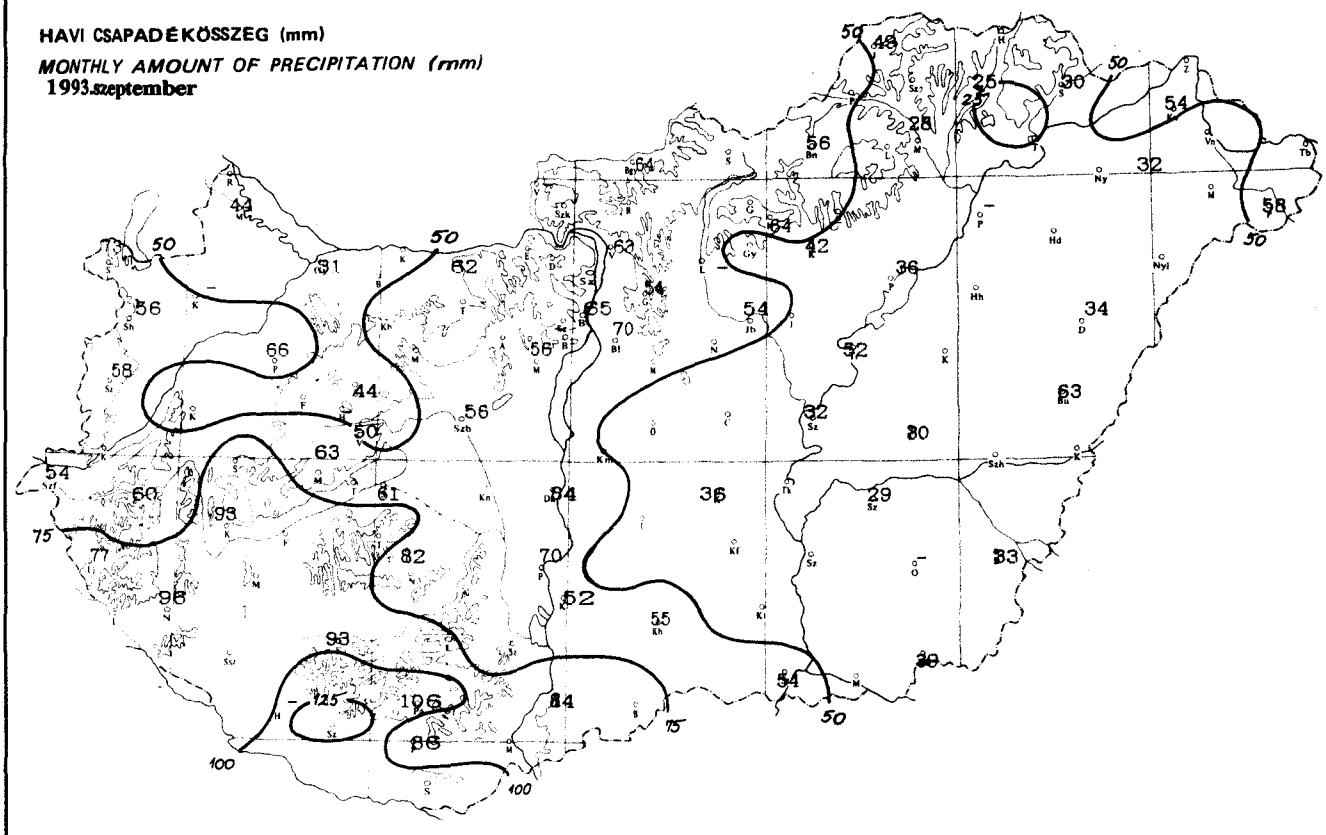
OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS
1993. szeptember

| Állomások<br>Stations | Napsütés havi összege (óra)<br>*Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép<br>*monthly mean* | abszolút maximum<br>*absolute maximum* | dátum – *date* | abszolút minimum<br>*absolute minimum* | dátum – *date* | abszolút radiációs minimum<br>*value of absolute radiation minimum* | dátum<br>*date* | havi összeg<br>*monthly amount* | eltérés<br>*anomalies* | az átlag %-ában<br>*monthly amount in % of normal values* | napi maximum<br>*daily maximum* | dátum<br>*date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 14.2 | 26.8 | 10 | 5.5 | 30 | 4.2 | 4 | 68 | +24 | 155 | 21.5 | 14 |
| Cegléd | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 220 | 15.4 | 28.6 | 14 | 5.5 | 30 | 1.0 | 7 | 54 | +11 | 126 | 24.2 | 14 |
| Szokolya Királyrét | – | 14.1 | 28.7 | 9 | 3.0 | 21 | 1.0 | 21 | 57 | +11 | 124 | 32.9 | 14 |
| Monor | – | 16.2 | 30.8 | 14 | 4.5 | 7 | 2.5 | 7 | 39 | −3 | 93 | 14.7 | 14 |
| Nagykáta | – | 16.1 | 30.0 | 14 | 5.0 | 21 | 4.6 | 21 | 51 | +10 | 124 | 18.2 | 14 |
| Örkény | – | 16.7 | 30.3 | 9 | 5.5 | 28 | 5.1 | 28 | 47 | +9 | 124 | 12.5 | 14 |
| Szentendre | – | 16.4 | 29.2 | 14 | 6.0 | 21 | 5.5 | 28 | 68 | +27 | 166 | 32.6 | 14 |
| Vác | – | 15.7 | 30.0 | 14 | 3.5 | 7 | 2.5 | 7 | 63 | +19 | 143 | 32.7 | 14 |
| Vámosmikola | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Eger | 198 | 15.2 | 28.5 | 9 | 3.0 | 30 | 1.0 | 30 | 50 | +10 | 125 | 20.5 | 12 |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 15.9 | 30.4 | 9 | 5.3 | 7 | 2.8 | 21 | 42 | +8 | 124 | 20.4 | 14 |
| Kompolt | 207 | 15.3 | 29.2 | 14 | 4.8 | 30 | 0.8 | 28 | 42 | +4 | 111 | 12.0 | 14 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 16.1 | 28.5 | 14 | 5.2 | 21 | 2.3 | 21 | 36 | −4 | 90 | 7.5 | 5 |
| Jászapáti | – | 16.4 | 29.6 | 14 | 5.4 | 30 | 3.4 | 23 | 41 | +4 | 111 | 12.8 | 14 |
| Jászberény | – | 15.9 | 30.1 | 9 | 5.0 | 21 | 2.9 | 21 | 54 | +20 | 159 | 16.5 | 14 |
| Karcag | – | 16.0 | 29.2 | 25 | 2.9 | 21 | 1.6 | 21 | 40 | +5 | 114 | 8.8 | 2 |
| Tiszaroff | – | 16.0 | 29.8 | 14 | 5.0 | 21 | 2.5 | 21 | 52 | +17 | 149 | 15.1 | 12 |
| Túrkeve | 185 | 16.2 | 30.6 | 14 | 4.5 | 21 | 2.1 | 21 | 30 | −10 | 75 | 4.8 | 4 |
| Kistelek | – | 16.8 | 30.5 | 14 | 5.4 | 21 | 4.1 | 21 | 33 | −4 | 89 | 6.5 | 29 |
| Makó | – | 16.8 | 31.2 | 9 | 4.2 | 21 | 3.4 | 21 | 43 | +6 | 116 | 8.5 | 10 |
| Szentes | – | 16.4 | 30.0 | 9 | 4.5 | 21 | 3.0 | 7 | 37 | +1 | 103 | 7.2 | 4 |
| Borsodnádasd | – | 13.1 | 28.2 | 9 | −0.8 | 30 | −4.3 | 30 | 56 | +11 | 124 | 23.8 | 12 |
| Fügöd | – | 13.5 | 27.0 | 14 | 1.0 | 7 | −1.0 | 7 | 25 | −21 | 54 | 4.6 | 14 |
| Hidasnémeti | – | 14.8 | 28.2 | 14 | 3.0 | 28 | 2.2 | 28 | 49 | +0 | 100 | 10.2 | 10 |
| Jósvafő | 175 | 13.4 | 26.5 | 9 | 3.3 | 21 | −0.5 | 21 | 49 | +5 | 111 | 20.4 | 12 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 159 | 13.3 | 26.5 | 14 | 2.8 | 7 | 1.5 | 7 | 30 | −15 | 67 | 8.4 | 1 |
| Szendrőlád | – | 14.3 | 28.0 | 14 | 0.0 | 30 | 0.0 | 30 | 31 | −9 | 78 | 7.6 | 5 |
| Tokaj | – | 15.0 | 28.0 | 14 | 4.2 | 30 | 2.2 | 21 | 25 | −21 | 54 | 6.7 | 1 |
| Kisvárda | 160 | 14.4 | 27.6 | 14 | 2.2 | 21 | 1.2 | 21 | 54 | +9 | 120 | 11.5 | 4 |
| Mátészalka | – | 15.2 | 28.5 | 14 | 4.2 | 20 | 3.0 | 20 | 28 | −16 | 64 | 4.6 | 5 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 13.3 | 27.6 | 14 | 2.4 | 20 | 1.4 | 20 | 58 | +15 | 135 | 8.9 | 1 |
| Tiszabecs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vásárosnamény | – | 15.1 | 29.3 | 14 | 3.0 | 20 | 1.8 | 20 | 47 | +4 | 109 | 9.5 | 5 |
| Záhony | – | 15.4 | 29.0 | 14 | 3.5 | 21 | 3.2 | 21 | 63 | +17 | 137 | 11.7 | 26 |
| Berettyóújfalu | – | 15.7 | 29.1 | 14 | 5.0 | 21 | 3.4 | 21 | 63 | +25 | 166 | 24.7 | 26 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 15.2 | 30.0 | 14 | 3.4 | 30 | 2.8 | 21 | 32 | −5 | 86 | 6.6 | 15 |
| Körösszakál | – | 15.8 | 29.7 | 25 | 3.2 | 21 | 0.7 | 21 | 38 | +0 | 100 | 16.6 | 4 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 17.3 | 29.9 | 14 | 7.2 | 19 | 5.0 | 19 | 39 | −1 | 98 | 10.0 | 4 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 196 | 15.9 | 30.2 | 14 | 4.2 | 21 | −0.2 | 21 | 29 | −6 | 83 | 6.3 | 4 |
| Szeghalom | – | 16.2 | 29.9 | 9 | 3.9 | 21 | 1.7 | 21 | 45 | +7 | 118 | 10.7 | 4 |

**HAVI CSAPADÉKÖSSZEG (mm)**

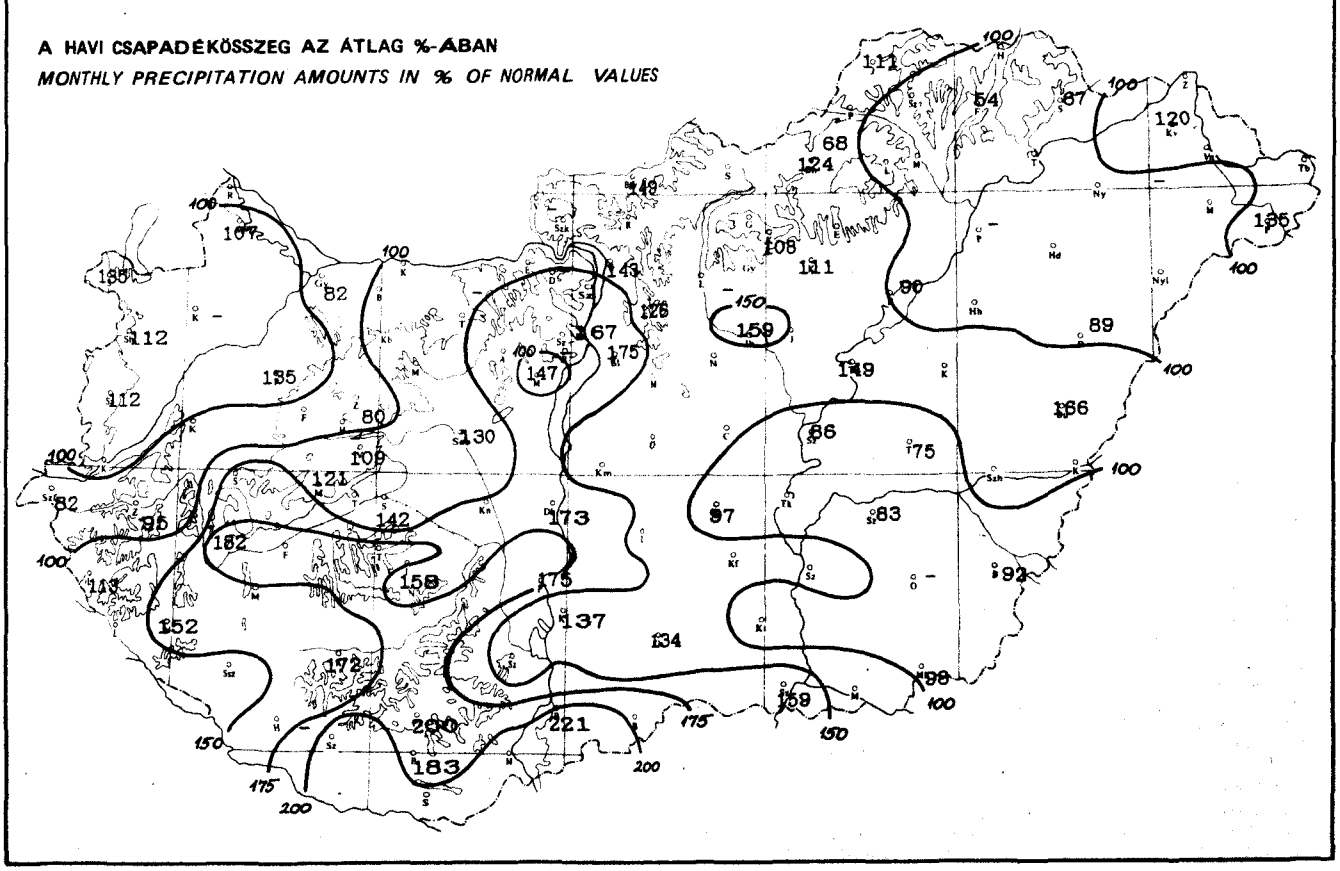
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993.szeptember**



**A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN**

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: 93.629
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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. október CXXIII. évf. 10. szám

Az idei októbert a szokásosnál enyhébb, csapadékos, napfényben szegényebb időjárás jellemezte.

Az októberi napfénytartam az átlag 75-95 %-a között mozgott. A legtöbb napsütést (151 óra) Pécs térségében regisztrálták, a legkevesebb (107 óra) Sopron környékén adódott.

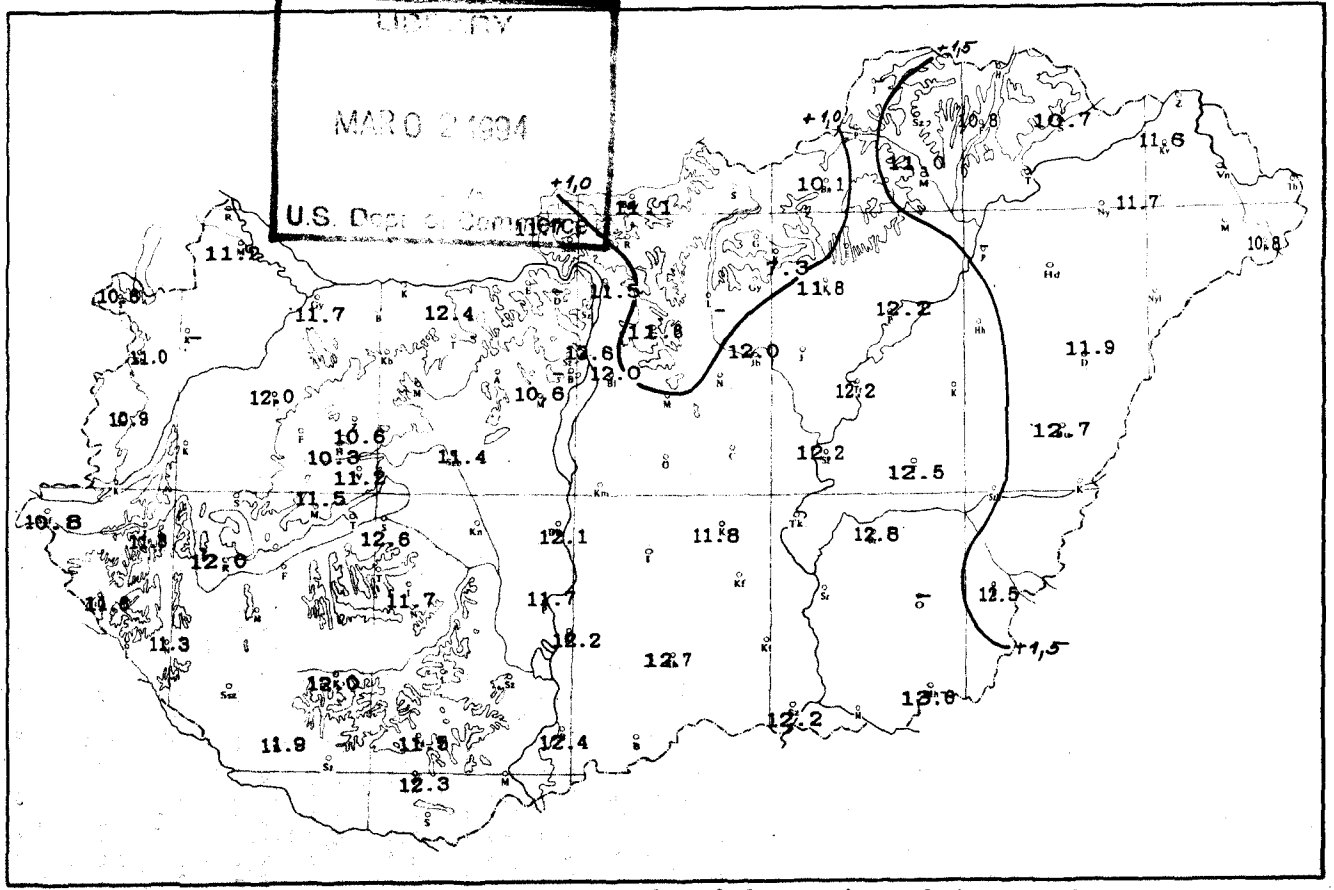
A magasabban fekvő hegyvidéki állomásainkat kivéve a hónap középhőmérséklete 10,1°C (Borsodnádasd) és 13,6°C (Makó, ill. Mezőhegyes) között váltakozott, ami 0,8 ill. 1,8 fokkal haladta meg a sokévi átlagot. A hónap legmagasabb hőmérsékletét (29,1°C) Mezőhegyes térségében október 13-án észlelték. A legalacsonyabb hőmérsékletet (-6,5°C) Székesfehérvár környékén október 31-én regisztrálták, a legerősebb talajmenti fagyot (-8,8°C) Borsodnádasdon szintén 31-én észlelték.

Az októberi csapadékösszeg az északkeleti határvidék kivételével országszerte meghaladta a sokévi átlagot, sőt a nyugati megyékben a csapadékbevétel az átlag 2-3 szorosát is elérte. Különösen a hónap első néhány napja volt rendkívül csapadékos, amikor az ország jelentős részein legalább 40-80 mm csapadék hullott, sőt Budapest belterületén október 2 és 4. között - három nap alatt - 99 mm csapadék esett. A havi legnagyobb csapadékhozamot (150 mm-t, sokévi átlag 375 %-a) Budapesten, Szabadság-hegyen mérték, Budapest belterületén 135 mm-t (a sokévi átlag 397 %-át) regisztráltak, a legkevesebb csapadékot (29 mm-t, az átlagos érték 81 %-át) Mátészalka jelentette. A 24 óra alatt hullott legnagyobb csapadékot (59,1 mm-t) a Budapest-Szabadság-hegyen működő csapadékmérő állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1017,0 és 1019,4 hPa között mozgott. A tengerszinti légnyomás maximuma (1037,0 hPa) október 18-án Szentgotthárdon, minimuma (996,4 hPa) október 3-án Szombathelyen volt.

A havi legerősebb szélsebességét (27,2 m/s) november 15-én a békéscsabai meteorológiai állomáson regisztrálták.

MAR 0 2 1994
U.S. Dept. of Commerce




A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

**OBSERVATIONS OF MAIN STATIONS**

**1993. október**

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 0.0 | 12.9 | 6.0 | 7.2 | . | . | . | . | 4.6 | 0.2 | 0.1 | 0.0 | . | . | 3.7 |
| Szombathely | . | 15.6 | 3.6 | 7.0 | . | . | . | . | 3.7 | . | . | . | . | 2.5 | 5.5 |
| Győr | 0.2 | 8.7 | 33.4 | 20.1 | . | . | . | . | 0.0 | . | . | . | . | 0.1 | 20.4 |
| Pápa | . | 10.7 | 18.8 | 15.5 | . | . | . | . | 1.6 | . | . | . | . | 2.0 | 13.0 |
| Veszprém | . | 18.6 | 38.2 | 23.0 | . | . | 0.0 | 0.0 | 2.2 | . | . | . | . | 1.0 | 12.4 |
| Keszthely | 1.0 | 30.6 | 36.6 | 7.0 | . | . | . | . | 0.7 | . | . | . | . | 0.5 | 6.8 |
| Siófok | . | 9.0 | 18.2 | 20.4 | . | . | . | 0.0 | 4.0 | . | . | . | . | 4.0 | 7.4 |
| Kaposvár | 0.0 | 8.4 | 16.7 | 9.6 | . | . | . | 0.7 | 6.1 | . | . | . | . | 0.6 | 13.0 |
| Zalaegerszeg | 0.4 | 24.3 | 4.0 | 8.9 | . | . | . | . | 2.6 | . | . | . | . | 6.7 | 3.2 |
| Szentgotthárd | . | 13.8 | 1.8 | 1.8 | . | . | . | 0.4 | . | . | . | . | . | 2.4 | 2.0 |
| Nagykanizsa | 0.3 | 27.4 | 15.8 | 6.3 | . | . | 0.8 | 2.5 | 0.3 | . | . | . | . | 3.7 | 7.8 |
| Pécs | . | 2.6 | 24.4 | 6.8 | . | . | 0.8 | . | 3.8 | . | . | . | . | . | 15.6 |
| Budapest KMI | . | 7.7 | 50.9 | 40.0 | 0.0 | . | . | . | 8.3 | . | . | . | . | 0.9 | 9.4 |
| Budapest KLFI | . | 3.7 | 39.0 | 14.6 | . | . | . | 0.0 | 7.5 | . | . | . | . | 0.1 | 11.8 |
| Paks | . | 2.4 | 27.0 | 6.1 | . | . | . | . | 2.8 | . | . | . | . | 1.3 | 15.1 |
| Baja | . | 3.5 | 23.6 | 0.6 | . | . | 0.0 | 0.0 | 1.1 | . | . | . | . | 1.3 | 21.3 |
| Szeged | . | 0.5 | 7.7 | 12.7 | . | . | 0.1 | . | 1.0 | . | . | . | . | . | 9.2 |
| Szolnok | . | 0.5 | 15.2 | 11.7 | 0.0 | . | . | . | 2.2 | . | . | . | . | 0.0 | 14.0 |
| Kékestető | . | 2.9 | 56.4 | 35.8 | 0.0 | . | . | . | 9.3 | . | . | . | . | 0.2 | 16.5 |
| Miskolc | . | 0.4 | 18.6 | 19.0 | . | . | . | . | 2.9 | . | . | . | . | . | 18.1 |
| Nyíregyháza Nap | . | 0.3 | 6.6 | 4.6 | . | . | 0.0 | . | 0.8 | . | . | . | . | . | 20.6 |
| Debrecen | . | 0.0 | 4.5 | 18.6 | . | . | 0.0 | . | 1.8 | . | . | . | . | 0.0 | 10.1 |
| Békéscsaba | . | 0.0 | 4.6 | 18.7 | . | . | . | . | 3.8 | . | . | . | . | . | 10.6 |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 12.5 | 15.2 | 13.3 | 11.1 | 13.0 | 16.0 | 17.7 | 16.5 | 13.1 | 9.9 | 11.8 | 16.3 | 16.7 | 19.0 | 13.6 |
| Szombathely | 13.3 | 15.6 | 13.9 | 11.2 | 12.9 | 15.9 | 17.5 | 16.9 | 13.8 | 10.2 | 14.0 | 17.0 | 17.2 | 17.8 | 14.0 |
| Győr | 12.8 | 13.9 | 13.2 | 11.7 | 13.6 | 16.4 | 18.8 | 19.5 | 16.0 | 12.5 | 14.8 | 18.3 | 18.6 | 21.1 | 14.0 |
| Pápa | 13.9 | 15.5 | 14.1 | 11.2 | 14.0 | 17.7 | 18.6 | 19.6 | 15.9 | 13.3 | 16.5 | 18.8 | 19.6 | 20.1 | 15.1 |
| Veszprém | 11.2 | 12.3 | 11.9 | 11.4 | 13.4 | 14.2 | 16.7 | 17.4 | 14.8 | 12.9 | 14.1 | 16.9 | 18.6 | 18.7 | 15.3 |
| Keszthely | 14.2 | 15.6 | 14.4 | 11.3 | 13.1 | 16.5 | 16.9 | 17.9 | 16.0 | 14.1 | 16.1 | 17.5 | 19.0 | 18.9 | 15.5 |
| Siófok | 13.1 | 14.6 | 13.5 | 13.0 | 14.2 | 16.8 | 17.5 | 17.2 | 16.4 | 13.8 | 16.2 | 19.0 | 19.6 | 20.1 | 16.8 |
| Kaposvár | 13.4 | 15.9 | 14.1 | 11.7 | 13.4 | 16.4 | 16.8 | 17.9 | 16.2 | 14.5 | 16.8 | 18.1 | 19.4 | 19.5 | 15.4 |
| Zalaegerszeg | 12.9 | 15.2 | 13.8 | 11.6 | 12.6 | 17.3 | 17.7 | 18.5 | 15.9 | 12.1 | 15.7 | 18.2 | 19.0 | 19.1 | 15.6 |
| Szentgotthárd | 12.7 | 15.4 | 13.3 | 10.4 | 12.2 | 15.8 | 17.3 | 17.1 | 14.1 | 11.9 | 14.5 | 18.0 | 19.7 | 17.8 | 15.1 |
| Nagykanizsa | 13.2 | 15.8 | 14.0 | 11.1 | 12.5 | 16.1 | 16.6 | 18.2 | 15.4 | 13.7 | 16.6 | 17.9 | 18.2 | 18.2 | 13.9 |
| Pécs | 11.9 | 13.7 | 13.4 | 12.3 | 13.6 | 14.4 | 15.9 | 17.8 | 16.3 | 15.5 | 16.4 | 18.3 | 19.6 | 19.2 | 15.6 |
| Budapest KMI | 11.0 | 14.1 | 13.5 | 12.9 | 14.0 | 14.7 | 17.2 | 17.3 | 15.4 | 13.4 | 14.8 | 17.4 | 18.6 | 19.3 | 16.0 |
| Budapest KLFI | 10.7 | 14.1 | 13.3 | 12.4 | 14.0 | 14.1 | 16.9 | 17.8 | 15.3 | 13.5 | 14.9 | 17.1 | 18.1 | 18.6 | 14.9 |
| Paks | 12.5 | 14.2 | 13.4 | 13.1 | 14.2 | 15.4 | 16.4 | 17.4 | 15.7 | 12.9 | 14.0 | 17.5 | 18.1 | 18.6 | 15.2 |
| Baja | 12.3 | 14.4 | 13.5 | 13.0 | 14.6 | 14.9 | 16.4 | 18.1 | 16.6 | 13.9 | 15.5 | 18.3 | 19.1 | 19.7 | 16.1 |
| Szeged | 11.2 | 13.8 | 14.3 | 13.3 | 13.7 | 13.3 | 16.1 | 17.5 | 15.9 | 14.2 | 15.3 | 18.0 | 17.3 | 18.7 | 16.4 |
| Szolnok | 10.6 | 14.9 | 15.4 | 12.5 | 13.5 | 13.6 | 17.2 | 18.0 | 15.6 | 14.4 | 15.6 | 18.3 | 19.1 | 19.1 | 16.3 |
| Kékestető | 3.6 | 7.4 | 7.4 | 8.0 | 8.2 | 8.3 | 11.2 | 12.8 | 11.9 | 9.0 | 9.5 | 11.4 | 13.9 | 14.4 | 9.6 |
| Miskolc | 7.0 | 12.2 | 12.1 | 10.8 | 12.3 | 12.2 | 15.5 | 15.7 | 15.5 | 11.7 | 13.9 | 15.5 | 18.7 | 19.0 | 15.4 |
| Nyíregyháza Nap | 7.8 | 12.6 | 13.5 | 11.6 | 11.9 | 12.5 | 16.2 | 18.1 | 17.1 | 14.0 | 16.2 | 17.8 | 19.9 | 21.1 | 17.1 |
| Debrecen | 8.6 | 13.3 | 14.2 | 12.0 | 12.0 | 12.3 | 16.7 | 18.2 | 16.3 | 13.7 | 15.6 | 17.3 | 19.0 | 20.4 | 15.8 |
| Békéscsaba | 9.4 | 15.2 | 16.4 | 13.2 | 13.1 | 13.5 | 17.7 | 18.6 | 16.8 | 14.6 | 16.6 | 18.2 | 19.6 | 20.5 | 17.5 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 4.7 | 3.1 | 0.0 | 0.0 | 10.0 | 8.8 | 7.5 | 3.6 | 3.0 | 3.7 | 5.0 | 6.0 | 2.5 | 4.5 | 5.5 |
| Szombathely | 5.7 | 3.7 | 0.0 | 0.0 | 9.7 | 7.4 | 4.1 | 5.0 | 3.0 | 4.8 | 9.0 | 7.8 | 3.0 | 3.1 | 3.4 |
| Győr | 5.4 | 2.3 | 0.0 | 0.0 | 9.5 | 9.2 | 6.9 | 5.7 | 2.7 | 8.7 | 9.4 | 8.3 | 2.7 | 3.4 | 2.1 |
| Pápa | 5.1 | 1.7 | 0.0 | 0.0 | 9.7 | 9.0 | 6.0 | 5.5 | 3.5 | 8.7 | 9.8 | 8.5 | 3.3 | 4.2 | 3.7 |
| Veszprém | 5.7 | 2.6 | 0.0 | 0.0 | 9.3 | 7.4 | 6.6 | 6.9 | 3.5 | 7.7 | 9.2 | 7.2 | 4.2 | 1.0 | 0.0 |
| Keszthely | 6.3 | 2.6 | 0.0 | 0.0 | 8.9 | 8.3 | 5.6 | 7.3 | 5.4 | 7.7 | 9.4 | 8.9 | 5.9 | 3.7 | 2.8 |
| Siófok | 5.6 | 3.1 | 0.0 | 0.0 | 9.8 | 7.9 | 7.6 | 8.7 | 4.1 | 8.5 | 9.1 | 9.4 | 4.6 | 2.5 | 1.7 |
| Kaposvár | 5.6 | 3.3 | 0.0 | 0.0 | 8.5 | 6.5 | 4.8 | 7.6 | 4.9 | 8.1 | 9.1 | 8.8 | 5.3 | 4.2 | 1.3 |
| Zalaegerszeg | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szentgotthárd | 4.6 | 4.6 | 0.0 | 0.0 | 10.5 | 7.6 | 4.1 | 5.2 | 7.9 | 5.1 | 9.7 | 7.3 | 4.8 | 3.4 | 3.9 |
| Nagykanizsa | 5.2 | 2.0 | 0.0 | 0.0 | 8.4 | 5.6 | 3.3 | 5.2 | 6.1 | 7.9 | 8.5 | 7.2 | 4.8 | 5.0 | 2.1 |
| Pécs | 7.5 | 4.3 | 0.0 | 0.0 | 9.8 | 7.5 | 5.3 | 8.4 | 5.1 | 8.3 | 8.6 | 9.6 | 4.4 | 1.6 | 1.1 |
| Budapest KMI | 2.4 | 4.4 | 0.0 | 0.0 | 4.6 | 3.6 | 8.5 | 7.1 | 3.0 | 6.7 | 8.5 | 8.6 | 4.7 | 4.2 | 2.9 |
| Budapest KLFI | 1.4 | 4.7 | 0.0 | 0.0 | 4.5 | 3.8 | 7.5 | 6.7 | 2.9 | 7.7 | 7.6 | 9.2 | 4.3 | 3.2 | 1.3 |
| Paks | 6.1 | 3.6 | 0.0 | 0.0 | 9.5 | 6.5 | 6.1 | 7.4 | 4.6 | 8.4 | 6.6 | 9.2 | 4.1 | 0.1 | 0.5 |
| Baja | 7.2 | 4.8 | 0.0 | 0.0 | 8.6 | 7.8 | 6.0 | 6.6 | 5.3 | 8.5 | 7.1 | 9.4 | 2.6 | 0.2 | 1.0 |
| Szeged | 7.5 | 5.5 | 0.0 | 0.0 | 2.8 | 5.5 | 4.7 | 7.1 | 2.2 | 5.0 | 8.2 | 9.8 | 2.2 | 0.9 | 0.4 |
| Szolnok | 2.4 | 6.7 | 0.0 | 0.0 | 2.2 | 2.0 | 5.9 | 6.6 | 1.0 | 7.8 | 6.0 | 7.9 | 4.8 | 1.9 | 0.4 |
| Kékestető | 0.9 | 4.5 | 0.0 | 0.0 | 0.2 | 1.1 | 7.4 | 6.7 | 1.9 | 6.2 | 5.4 | 2.8 | 5.1 | 2.9 | 1.8 |
| Miskolc | 0.9 | 6.3 | 0.0 | 0.0 | 1.8 | 1.0 | 5.2 | 5.0 | 1.5 | 2.8 | 6.9 | 6.4 | 5.4 | 2.9 | 2.7 |
| Nyíregyháza Nap | 5.4 | 6.7 | 0.0 | 0.0 | 0.0 | 3.0 | 3.9 | 7.8 | 3.5 | 6.3 | 5.1 | 5.8 | 5.4 | 4.2 | 1.2 |
| Debrecen | 4.4 | 7.2 | 0.0 | 0.0 | 0.3 | 4.4 | 3.4 | 8.1 | 3.7 | 6.2 | 7.2 | 7.8 | 6.6 | 3.7 | 1.9 |
| Békéscsaba | 4.5 | 7.6 | 0.0 | 0.0 | 0.3 | 3.5 | 4.2 | 6.8 | 1.9 | 6.0 | 9.0 | 10.1 | 3.6 | 3.2 | 0.3 |

# Monthly Weather Report

*October 1993* *Vol. CXXIII, No. 10.*

In October over the territory of Hungary the weather was milder and poorer in sunshine than average while the precipitation amount was higher than average.

The sunshine duration reached 75-95 per cent of the average. The highest sunshine duration (151 hours) was observed at Pécs, while the lowest one (107 hours) occurred at Sopron.

With the exception of the mountain stations, the monthly mean temperature varied between 10.1 °C ((Borsodnádasd) and 13.6 °C (Makó and Mezöhegyes) being above average by 0.8 and 1.8 °C. The highest temperature value (29.1 °C) was recorded on the 13th at Mezöhegyes, while the lowest one (-6.5 °C) on the 31st at Székesfehérvár. The strongest ground frost (-8.8 °C) occurred on the 31st at Borsodnádasd.

In October, the precipitation amount - with the exception of the north-eastern region of Hungary - exceeded the average; in the western part of Hungary the precipitation amount was 2-3 times higher than average. In the first few days of October the precipitation amount reached 40-80 mm. In the period from 2-4 October, the precipitation amount was 99 mm in Budapest. The maximum value of the monthly precipitation amount (150 mm, 375 per cent of average) was measured in Budapest, while the minimum value (29 mm, 81 per cent of average) was recorded at Mezöhegyes. The maximum 24-hour fall (59.1 mm) occurred in Budapest (Szabadsághegy).

The monthly average sea-level pressure ranged from 1017.0 to 1019.4 hPa. The maximum value of sea-level pressure (1037.0 hPa) was observed on the 18th at Szentgotthárd, and the minimum value (996.4 hPa) on the 3rd at Szombathely.

The monthly strongest wind gust of 27.2 m/s was recorded on the 15th at Békéscsaba.

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. október

CSAPADÉK (mm) — *PRECIPITATION (mm)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám *Station number* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| . | 0.0 | 4.5 | 1.9 | 0.4 | 11.4 | 17.1 | 11.9 | . | . | . | . | . | . | . | . | 12805 |
| . | 2.1 | 7.7 | 2.7 | . | 10.3 | 6.5 | 12.1 | . | . | . | . | . | . | . | . | 12812 |
| . | . | 9.5 | 13.3 | 0.3 | 11.0 | 0.3 | 6.8 | 1.6 | . | . | . | . | . | . | . | 12822 |
| . | 1.1 | 7.9 | 4.6 | 1.3 | 6.4 | 1.2 | 0.8 | 2.3 | . | . | . | . | . | . | . | 12825 |
| . | 3.1 | 8.9 | 1.5 | 0.5 | 1.9 | 0.7 | 11.0 | 0.0 | 0.1 | . | . | . | . | . | . | 12830 |
| . | 3.0 | 4.4 | 0.6 | 1.1 | 6.3 | 2.9 | 4.3 | 0.6 | . | . | . | . | . | . | . | 12920 |
| . | 4.0 | 4.9 | 0.5 | . | 1.3 | 0.2 | 6.3 | 2.0 | 1.0 | . | . | . | . | . | . | 12935 |
| . | 0.7 | 14.7 | 0.2 | 0.3 | 2.1 | 0.7 | 3.8 | 1.3 | 6.0 | . | . | . | . | . | . | 12930 |
| . | 1.9 | 6.8 | 0.2 | 0.6 | 8.1 | 5.6 | 7.9 | 0.5 | . | . | . | . | . | . | . | 12915 |
| . | . | 9.1 | 0.3 | . | 15.2 | 20.4 | 18.9 | . | . | . | . | . | . | . | . | 12910 |
| . | 6.8 | 8.8 | 0.2 | 0.0 | 7.7 | 4.8 | 10.1 | 6.6 | 0.3 | . | . | . | . | . | . | 12925 |
| . | . | 1.3 | . | . | . | 2.0 | 4.4 | . | 0.8 | . | . | . | . | . | . | 12942 |
| 0.0 | 1.1 | 4.7 | 6.4 | 1.1 | 0.9 | 0.1 | 3.3 | . | 0.1 | . | . | . | . | . | . | 12840 |
| 0.2 | 0.5 | 5.2 | 4.8 | 0.7 | 0.3 | . | 2.2 | . | . | . | . | . | . | . | . | 12843 |
| . | 1.1 | 13.1 | . | . | 0.1 | . | 2.6 | 0.5 | . | . | . | . | . | . | . | 12950 |
| 0.2 | . | 0.9 | . | 0.2 | 0.0 | . | 0.7 | . | 0.6 | . | . | . | . | . | . | 12960 |
| . | . | 3.9 | . | 0.1 | . | . | 0.1 | . | . | . | . | . | . | . | . | 12982 |
| 0.0 | 0.1 | 1.6 | 0.0 | 1.2 | 0.1 | . | 0.5 | . | 0.1 | . | . | . | . | . | . | 12860 |
| . | 4.9 | 1.5 | 7.3 | 1.1 | 0.4 | . | 1.8 | . | 0.2 | . | . | . | . | . | . | 12851 |
| . | 0.5 | 0.4 | 4.0 | 1.1 | 0.3 | . | 1.6 | . | 0.7 | . | . | . | . | . | . | 12772 |
| . | 5.0 | 0.0 | 6.7 | 0.2 | . | . | 1.1 | . | . | . | . | . | . | . | . | 12893 |
| . | 0.5 | 3.5 | 5.5 | 0.1 | . | . | 0.7 | 0.0 | 0.0 | . | . | . | . | . | . | 12882 |
| . | 0.0 | 5.1 | 0.0 | 0.0 | . | . | 1.0 | . | 0.0 | . | . | . | . | . | . | 12992 |

KÖZÉPHŐMÉRSÉKLET (°C) — *DAILY MEAN TEMPERATURE (°C)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám *Station number* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.5 | 10.7 | 6.3 | 5.7 | 7.3 | 7.2 | 6.1 | 10.5 | 11.8 | 8.3 | 5.7 | 5.4 | 3.5 | 3.5 | 3.9 | 3.8 | 12805 |
| 12.5 | 12.0 | 6.3 | 5.9 | 7.8 | 7.4 | 7.4 | 11.9 | 11.5 | 7.7 | 5.7 | 4.8 | 3.8 | 4.5 | 3.0 | 3.8 | 12812 |
| 13.2 | 13.4 | 8.0 | 6.6 | 8.3 | 8.8 | 12.6 | 14.9 | 12.9 | 8.1 | 5.2 | 3.6 | 3.1 | 2.2 | 1.9 | 3.2 | 12822 |
| 13.6 | 13.9 | 7.0 | 6.9 | 8.4 | 8.6 | 10.1 | 14.2 | 13.3 | 8.4 | 5.7 | 5.8 | 4.6 | 4.2 | 1.9 | 1.0 | 12825 |
| 12.8 | 12.5 | 6.8 | 6.0 | 7.2 | 8.2 | 11.2 | 13.4 | 12.2 | 8.4 | 5.4 | 5.9 | 4.9 | 6.3 | 4.4 | 2.2 | 12830 |
| 13.4 | 13.5 | 7.4 | 7.7 | 8.4 | 9.2 | 11.1 | 14.3 | 12.9 | 9.0 | 7.2 | 6.4 | 3.9 | 3.7 | 4.2 | 1.5 | 12920 |
| 14.0 | 14.6 | 9.2 | 8.3 | 9.0 | 9.8 | 12.9 | 14.4 | 12.6 | 10.8 | 7.6 | 7.1 | 5.0 | 5.7 | 4.3 | 2.9 | 12935 |
| 13.2 | 14.4 | 8.2 | 7.3 | 8.7 | 9.5 | 12.4 | 14.2 | 12.9 | 9.2 | 5.6 | 4.1 | 3.6 | 4.1 | 3.3 | 2.2 | 12930 |
| 12.1 | 14.5 | 6.9 | 6.3 | 7.9 | 8.3 | 7.6 | 11.9 | 12.0 | 9.3 | 5.9 | 4.8 | 3.3 | 3.6 | 3.2 | 2.9 | 12915 |
| 11.5 | 13.9 | 6.1 | 5.3 | 6.9 | 7.0 | 7.3 | 11.3 | 10.6 | 7.7 | 5.7 | 3.5 | 3.3 | 4.1 | 1.3 | 3.2 | 12910 |
| 12.4 | 13.1 | 6.7 | 7.1 | 8.1 | 8.9 | 9.5 | 12.8 | 12.0 | 8.4 | 6.1 | 4.3 | 2.4 | 3.2 | 2.8 | 0.8 | 12925 |
| 12.9 | 14.2 | 9.3 | 7.0 | 8.7 | 9.5 | 12.1 | 14.3 | 13.0 | 11.0 | 6.6 | 6.1 | 6.2 | 7.1 | 4.9 | 4.1 | 12942 |
| 14.3 | 13.3 | 9.7 | 7.0 | 8.4 | 9.8 | 13.1 | 15.6 | 14.0 | 11.6 | 6.4 | 6.3 | 6.4 | 6.8 | 5.5 | 4.5 | 12840 |
| 13.7 | 12.1 | 9.4 | 7.0 | 8.2 | 9.4 | 13.1 | 15.3 | 13.6 | 10.9 | 6.0 | 5.7 | 6.1 | 6.4 | 4.7 | 4.1 | 12843 |
| 12.6 | 12.6 | 8.9 | 7.9 | 9.2 | 10.3 | 13.7 | 15.7 | 11.8 | 10.1 | 5.8 | 3.7 | 3.7 | 4.0 | 2.3 | 1.9 | 12950 |
| 13.7 | 14.0 | 9.5 | 8.0 | 9.4 | 10.3 | 13.8 | 15.5 | 12.8 | 11.3 | 6.3 | 4.8 | 4.8 | 5.5 | 4.2 | 3.7 | 12960 |
| 13.2 | 13.9 | 9.3 | 7.8 | 9.4 | 10.2 | 13.3 | 16.1 | 13.5 | 11.6 | 7.1 | 4.6 | 5.1 | 5.0 | 3.6 | 4.0 | 12982 |
| 13.8 | 12.6 | 9.0 | 7.0 | 8.6 | 10.1 | 12.5 | 14.3 | 13.6 | 11.1 | 7.2 | 6.1 | 5.5 | 5.6 | 4.5 | 3.4 | 12860 |
| 8.1 | 8.8 | 3.0 | 2.4 | 4.2 | 4.2 | 7.7 | 11.2 | 8.3 | 7.3 | 1.1 | 2.3 | 3.5 | 4.6 | 1.8 | 0.4 | 12851 |
| 12.9 | 11.8 | 8.0 | 5.9 | 7.5 | 8.8 | 12.0 | 13.9 | 13.3 | 9.4 | 5.9 | 5.3 | 5.9 | 5.4 | 4.4 | 3.6 | 12772 |
| 13.5 | 13.5 | 8.2 | 6.3 | 8.6 | 9.8 | 11.7 | 13.2 | 13.5 | 7.8 | 6.0 | 5.2 | 5.8 | 5.2 | 4.9 | 2.5 | 12893 |
| 13.5 | 12.8 | 9.0 | 7.0 | 9.3 | 10.2 | 12.5 | 14.6 | 13.6 | 9.6 | 6.8 | 4.9 | 5.3 | 5.8 | 4.7 | 2.6 | 12882 |
| 13.9 | 13.7 | 9.4 | 7.7 | 9.5 | 10.6 | 12.8 | 15.5 | 14.3 | 11.8 | 6.6 | 4.7 | 5.2 | 5.0 | 3.3 | 3.1 | 12992 |

NAPSÜTÉS (óra) — *DURATION OF SUNSHINE (HOURS)*

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám *Station number* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.2 | 1.2 | 4.1 | 7.7 | 5.2 | 5.5 | 0.1 | 4.6 | 12805 |
| 7.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 8.8 | 0.8 | 6.5 | 4.9 | 7.6 | 7.7 | 0.9 | 2.4 | 12812 |
| 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 8.8 | 0.9 | 2.1 | 7.8 | 7.3 | 2.1 | 0.4 | 6.1 | 12822 |
| 5.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 6.1 | 0.9 | 3.5 | 6.6 | 8.4 | 7.7 | 2.8 | 5.6 | 12825 |
| 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 8.6 | 0.0 | 2.0 | 3.2 | 7.0 | 8.0 | 6.1 | 4.0 | 12830 |
| 7.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 7.7 | 2.1 | 3.5 | 0.0 | 4.3 | 4.0 | 6.9 | 1.2 | 12920 |
| 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 7.9 | 0.2 | 4.3 | 2.3 | 6.9 | 8.1 | 7.0 | 5.1 | 12935 |
| 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.2 | 7.7 | 1.0 | 3.9 | 0.0 | 5.2 | 5.1 | 6.9 | 5.8 | 12930 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12915 |
| 7.5 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 0.3 | 4.5 | 5.0 | 8.1 | 7.3 | 0.0 | 1.7 | 12910 |
| 7.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 7.0 | 0.6 | 3.9 | 5.0 | 4.7 | 3.4 | 3.6 | 1.1 | 12925 |
| 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 3.3 | 9.0 | 4.2 | 8.0 | 2.4 | 8.8 | 8.2 | 8.3 | 7.7 | 12942 |
| 8.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 3.5 | 8.0 | 3.4 | 0.3 | 7.9 | 7.9 | 7.7 | 6.8 | 6.8 | 12840 |
| 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | 2.7 | 9.0 | 2.0 | 0.1 | 8.5 | 8.7 | 8.3 | 8.3 | 7.5 | 12843 |
| 9.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 4.0 | 9.4 | 2.0 | 5.8 | 3.2 | 8.2 | 7.9 | 8.4 | 7.5 | 12950 |
| 8.6 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 3.2 | 3.0 | 8.1 | 3.7 | 6.8 | 7.1 | 8.4 | 7.7 | 8.8 | 7.6 | 12960 |
| 9.2 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 6.6 | 4.2 | 8.2 | 3.0 | 6.7 | 8.1 | 8.1 | 8.2 | 8.5 | 7.1 | 12982 |
| 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 4.6 | 9.2 | 2.1 | 6.0 | 8.3 | 8.0 | 8.1 | 8.7 | 5.7 | 12860 |
| 8.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 6.5 | 8.4 | 2.9 | 5.6 | 8.3 | 8.5 | 8.4 | 8.7 | 6.9 | 12851 |
| 8.8 | 1.1 | 1.2 | 0.0 | 0.0 | 0.0 | 5.8 | 4.6 | 5.6 | 2.0 | 8.1 | 8.1 | 8.5 | 7.9 | 8.7 | 7.8 | 12772 |
| 7.8 | 2.1 | 2.3 | 0.0 | 0.0 | 0.0 | 4.9 | 5.4 | 4.7 | 0.0 | 9.0 | 8.7 | 8.5 | 8.3 | 8.7 | 4.0 | 12893 |
| 8.7 | 1.3 | 3.4 | 0.0 | 0.0 | 0.0 | 6.7 | 5.9 | 5.8 | 3.9 | 9.1 | 8.0 | 8.6 | 8.7 | 8.9 | 2.0 | 12882 |
| 8.4 | 0.4 | 1.7 | 0.0 | 0.0 | 0.0 | 6.7 | 4.1 | 6.9 | 4.3 | 8.9 | 9.0 | 8.7 | 9.0 | 8.9 | 3.3 | 12992 |

| Légnedvesség – Humidity: páranyomás (hPa) vapour pressure (hPa) | havi közép – monthly mean (%) | minimum (%) | dátum date | Szél – Wind, napok száma number of days: maximum < 2 m/s | maximum ≥ 10 m/s | maximum ≥ 15 m/s | maximum ≥ 20 m/s | Csapadék (mm) – Precipitation (mm): havi összeg monthly amount | eltérés anomalies | az átlag %-ában monthly amount in % of normal values | napi maximum daily maximum | dátum date | napok száma number of days: ≥ 0,1 mm | ≥ 1,0 mm | ≥ 5,0 mm | ≥ 10,0 mm | Napok száma – Number of days: zivatar – storm | jégeső – hail | havazás – snow | hótakaró – snow cover | köd – fog látás ≤ 1000 m – visibility ≤ 1000 m |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.2 | 86 | 52 | 12 | 0 | 21 | 7 | 3 | 82 | +34 | 171 | 17.1 | 22 | 13 | 10 | 6 | 4 | 1 | 0 | 0 | 0 | 8 |
| 10.8 | 82 | 42 | 11 | 1 | 16 | 3 | 0 | 79 | +31 | 165 | 15.6 | 2 | 12 | 12 | 7 | 3 | 2 | 0 | 0 | 0 | 3 |
| 11.2 | 81 | 41 | 14 | 0 | 12 | 5 | 0 | 126 | +91 | 360 | 33.4 | 3 | 13 | 9 | 8 | 5 | 1 | 0 | 0 | 0 | 7 |
| 10.6 | 76 | 44 | 5 | 0 | 12 | 5 | 0 | 87 | +45 | 207 | 18.8 | 3 | 14 | 13 | 6 | 4 | 1 | 0 | 0 | 0 | 6 |
| 10.9 | 81 | 34 | 14 | 0 | 11 | 4 | 1 | 123 | +84 | 315 | 38.2 | 3 | 14 | 11 | 6 | 5 | 2 | 0 | 0 | 0 | 11 |
| 12.0 | 84 | 48 | 14 | 1 | 2 | 0 | 0 | 106 | +65 | 259 | 36.6 | 3 | 15 | 11 | 5 | 2 | 2 | 0 | 0 | 0 | 7 |
| 11.8 | 80 | 43 | 12 | 0 | 19 | 5 | 1 | 83 | +46 | 224 | 20.4 | 4 | 14 | 12 | 5 | 2 | 1 | 0 | 0 | 0 | 2 |
| 11.1 | 78 | 40 | 10 | 0 | 15 | 3 | 0 | 85 | +41 | 193 | 16.7 | 3 | 16 | 10 | 7 | 3 | 2 | 0 | 0 | 0 | 6 |
| 11.1 | 81 | 46 | 14 | 0 | 15 | 3 | 0 | 82 | +31 | 161 | 24.3 | 2 | 15 | 11 | 7 | 1 | 0 | 0 | 0 | 0 | 6 |
| 10.3 | 80 | 38 | 11 | 0 | 13 | 4 | 1 | 86 | +30 | 154 | 20.4 | 22 | 11 | 9 | 5 | 4 | 0 | 0 | 0 | 0 | 4 |
| 11.9 | 87 | 48 | 12 | 0 | 15 | 3 | 0 | 110 | +61 | 224 | 27.4 | 2 | 17 | 12 | 9 | 3 | 3 | 0 | 0 | 0 | 7 |
| 11.0 | 76 | 38 | 24 | 1 | 9 | 7 | 1 | 63 | +26 | 170 | 24.4 | 3 | 10 | 8 | 3 | 2 | 1 | 0 | 0 | 0 | 1 |
| 11.5 | 79 | 44 | 14 | 0 | 8 | 1 | 0 | 135 | +101 | 397 | 50.9 | 3 | 14 | 10 | 6 | 2 | 1 | 0 | 0 | 0 | 1 |
| 11.2 | 78 | 43 | 14 | 0 | 12 | 0 | 0 | 91 | +58 | 276 | 39.0 | 3 | 13 | 8 | 5 | 3 | 2 | 0 | 0 | 0 | 3 |
| 11.2 | 81 | 37 | 13 | 0 | 8 | 0 | 0 | 72 | +35 | 195 | 27.0 | 3 | 11 | 9 | 4 | 3 | 2 | 0 | 0 | 0 | 4 |
| 11.4 | 79 | 30 | 12 | 0 | 3 | 1 | 0 | 54 | +19 | 154 | 23.6 | 3 | 11 | 5 | 2 | 2 | 2 | 0 | 0 | 0 | 4 |
| 11.0 | 77 | 38 | 12 | 0 | 10 | 4 | 2 | 35 | +9 | 135 | 12.7 | 4 | 9 | 5 | 3 | 1 | 2 | 0 | 0 | 0 | 6 |
| 11.3 | 79 | 38 | 12 | 0 | 9 | 2 | 0 | 47 | +19 | 168 | 15.2 | 3 | 11 | 6 | 3 | 3 | 1 | 0 | 0 | 0 | 8 |
| 8.9 | 85 | 36 | 30 | 0 | 22 | 8 | 1 | 138 | +76 | 223 | 56.4 | 3 | 13 | 10 | 5 | 3 | 2 | 0 | 0 | 0 | 19 |
| 10.7 | 79 | 47 | 18 | 0 | 9 | 2 | 1 | 68 | +34 | 200 | 19.0 | 4 | 12 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 10 |
| 10.7 | 76 | 40 | 14 | 0 | 11 | 3 | 0 | 46 | - | - | 20.6 | 15 | 9 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 9 |
| 10.6 | 75 | 41 | 13 | 0 | 11 | 6 | 0 | 45 | +14 | 145 | 18.6 | 4 | 9 | 6 | 3 | 2 | 2 | 0 | 0 | 0 | 6 |
| 11.3 | 78 | 34 | 14 | 0 | 11 | 1 | 1 | 44 | +10 | 129 | 18.7 | 4 | 6 | 6 | 3 | 2 | 2 | 0 | 0 | 0 | 10 |

ABSZOLÚT RADIÁCIÓS MINIMUM (°C)
*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*

Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA
*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS

**1993. október**

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Kapuvár Hövej | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mosonmagyaróvár | 114 | 11.2 | 25.2 | 14 | -2.0 | 28 | -5.6 | 28 | 81 | +41 | 203 | 18.1 | 15 |
| Rajka | – | 11.0 | 25.3 | 14 | -2.7 | 30 | -3.2 | 30 | 58 | +20 | 153 | 12.0 | 21 |
| Sopronhorpács | 107 | 11.0 | 26.2 | 14 | -2.1 | 29 | -3.0 | 29 | 104 | +56 | 217 | 15.6 | 2 |
| Káld | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Körmend | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Lenti | – | 11.6 | 26.5 | 14 | -2.1 | 28 | -3.0 | 28 | 87 | +30 | 153 | 19.6 | 2 |
| Letenye | – | 11.6 | 26.5 | 14 | -1.8 | 28 | -2.2 | 28 | 98 | +46 | 188 | 31.5 | 2 |
| Hárskút | 131 | 10.3 | 23.0 | 14 | -1.0 | 31 | -6.2 | 31 | 128 | – | – | 27.2 | 4 |
| Farkasgyepű | – | 10.6 | 23.2 | 13 | -0.5 | 31 | -1.0 | 31 | 122 | +73 | 249 | 27.4 | 4 |
| Mencshely | 125 | 11.5 | 24.5 | 14 | -1.5 | 30 | -4.0 | 31 | 120 | +76 | 273 | 28.0 | 2 |
| Sümeg | – | 12.4 | 26.6 | 14 | -3.3 | 31 | -3.7 | 31 | 114 | +70 | 259 | 28.7 | 2 |
| Tihany | – | 12.7 | 26.5 | 8 | 0.5 | 31 | -0.6 | 31 | 97 | +61 | 269 | 24.6 | 4 |
| Zirc | – | 10.6 | 23.0 | 14 | -3.8 | 31 | -5.5 | 31 | 123 | +74 | 251 | 25.5 | 3 |
| Fonyód | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Homokszentgyörgy | 123 | 11.9 | 27.0 | 14 | -2.8 | 31 | -3.5 | 31 | 96 | +45 | 188 | 21.0 | 2 |
| Marcali | – | 12.6 | 27.0 | 14 | -2.0 | 31 | -2.0 | 31 | 97 | +54 | 226 | 21.0 | 2 |
| Somogyszob | – | 11.8 | 27.0 | 14 | -3.9 | 31 | -5.1 | 31 | 101 | +54 | 215 | 19.1 | 2 |
| Tab | – | 12.2 | 26.0 | 14 | -3.1 | 31 | -3.5 | 31 | 86 | +48 | 226 | 20.9 | 3 |
| Bábolna | – | 11.5 | 27.0 | 14 | -3.0 | 31 | -5.0 | 28 | 95 | +63 | 297 | 27.8 | 3 |
| Esztergom kertváros | – | 12.2 | 26.9 | 14 | -3.6 | 31 | -5.0 | 31 | 105 | +68 | 284 | 39.3 | 3 |
| Kisbér | – | 12.2 | 27.5 | 8 | -3.5 | 31 | -4.0 | 31 | 98 | +59 | 251 | 20.2 | 3 |
| Komárom | – | 11.8 | 26.1 | 14 | -0.9 | 29 | -2.8 | 31 | 108 | +74 | 318 | 25.9 | 3 |
| Tata | – | 12.4 | 27.5 | 14 | -2.5 | 30 | -2.5 | 28 | 118 | – | – | 57.0 | 3 |
| Alcsútdoboz | – | 11.3 | 27.0 | 14 | -4.9 | 31 | -5.1 | 31 | 103 | +68 | 294 | 37.6 | 3 |
| Dunaújváros Kisapostag | – | 12.1 | 26.8 | 14 | -2.0 | 31 | -3.6 | 31 | 94 | +61 | 285 | 29.1 | 3 |
| Martonvásár | – | 10.6 | 27.0 | 12 | -4.0 | 30 | -5.0 | 29 | 102 | +67 | 291 | 36.6 | 3 |
| Mór | – | 11.9 | 26.0 | 14 | -4.0 | 31 | -5.0 | 31 | 117 | +77 | 293 | 32.2 | 3 |
| Sárbogárd | – | 12.2 | 27.7 | 14 | -2.5 | 29 | -5.6 | 28 | 85 | +49 | 236 | 28.4 | 3 |
| Székesfehérvár | – | 11.4 | 27.2 | 14 | -6.5 | 31 | -8.5 | 31 | 107 | +71 | 297 | 44.5 | 3 |
| Iregszemcse | 129 | 11.7 | 26.8 | 14 | -2.8 | 31 | -4.4 | 31 | 81 | +44 | 219 | 20.5 | 3 |
| Lengyel | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykónyi | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szekszárd | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pécs Árpádtető | – | 11.5 | 24.2 | 13 | 0.0 | 24 | -1.3 | 31 | 84 | +36 | 175 | 27.2 | 3 |
| Mohács | – | 12.6 | 27.5 | 13 | -0.7 | 28 | -2.2 | 31 | 58 | +20 | 153 | 28.8 | 3 |
| Siklós | – | 13.2 | 27.5 | 14 | 0.0 | 30 | -2.1 | 30 | 59 | +19 | 148 | 22.0 | 3 |
| Szigetvár | – | 12.6 | 27.5 | 14 | -0.5 | 31 | -4.5 | 31 | 77 | +32 | 171 | 20.6 | 3 |
| Bácsalmás | – | 13.1 | 27.2 | 13 | 0.5 | 31 | -3.0 | 29 | 48 | +14 | 141 | 24.4 | 3 |
| Izsák | – | 12.4 | 27.0 | 13 | -3.0 | 31 | -4.0 | 31 | 71 | +40 | 229 | 23.1 | 3 |
| Kalocsa | 124 | 12.2 | 26.2 | 13 | -2.5 | 31 | -3.0 | 31 | 68 | +32 | 189 | 21.9 | 15 |
| Kecskemét Obszervatórium | 132 | 11.8 | 26.1 | 13 | -2.8 | 31 | -6.3 | 31 | 73 | +42 | 235 | 28.1 | 3 |
| Kiskunfélegyháza | – | 12.8 | 27.6 | 13 | -0.6 | 31 | -3.0 | 31 | 76 | +47 | 262 | 23.8 | 15 |
| Kiskunhalas | – | 12.7 | 26.8 | 13 | -1.4 | 31 | -4.8 | 31 | 69 | +32 | 186 | 28.0 | 3 |
| Kunszentmiklós | – | 12.3 | 26.6 | 13 | -2.5 | 31 | -3.7 | 31 | 90 | +55 | 257 | 31.2 | 3 |
| Tiszakécske | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Balassagyarmat | – | 11.1 | 26.1 | 14 | -3.2 | 31 | -4.5 | 31 | 99 | +58 | 241 | 36.6 | 3 |
| Romhány | – | 10.8 | 26.0 | 14 | -3.8 | 31 | -6.5 | 31 | 121 | +80 | 295 | 37.0 | 3 |
| Salgótarján | – | 10.6 | 24.3 | 14 | -4.0 | 31 | -7.0 | 27 | 90 | +53 | 243 | 28.8 | 3 |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF FIRST- AND SECOND-CLASS STATIONS

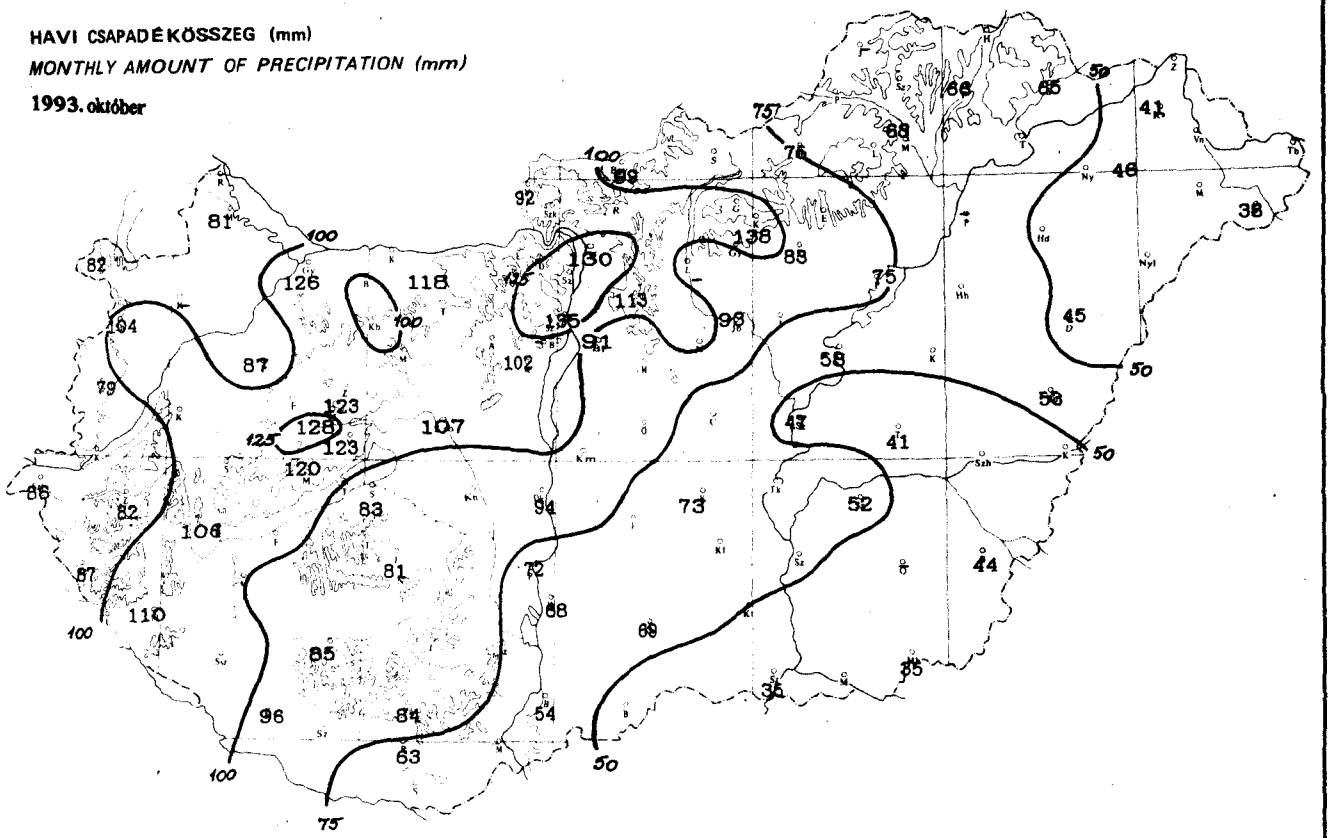
1993. október

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 11.0 | 24.5 | 14 | 0.5 | 31 | -3.3 | 28 | 150 | +110 | 375 | 59.1 | 3 |
| Cegléd | – | 12.4 | 27.0 | 13 | -3.1 | 31 | -5.4 | 30 | 71 | +42 | 245 | 31.9 | 3 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 122 | 11.6 | 24.7 | 14 | -1.0 | 30 | -5.5 | 31 | 113 | +78 | 323 | 38.5 | 3 |
| Szokolya Királyrét | – | 10.2 | 25.2 | 14 | -3.8 | 31 | -7.7 | 31 | 120 | +75 | 267 | 44.7 | 3 |
| Monor | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Nagykáta | – | 11.8 | 25.6 | 12 | -2.6 | 31 | -3.0 | 31 | 100 | +64 | 278 | 38.6 | 3 |
| Orkény | – | 12.7 | 26.6 | 13 | -1.7 | 31 | -2.1 | 31 | 78 | +46 | 244 | 29.4 | 3 |
| Szentendre | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vác | – | 11.5 | 25.5 | 14 | -3.2 | 31 | -4.2 | 31 | 130 | +92 | 342 | 46.7 | 3 |
| Vámosmikola | 108 | 11.7 | 26.9 | 14 | -4.1 | 31 | -4.4 | 31 | 92 | +57 | 263 | 30.9 | 3 |
| Eger | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 11.8 | 25.2 | 14 | -2.7 | 30 | -6.0 | 30 | 83 | +49 | 244 | 28.0 | 3 |
| Kompolt | 119 | 11.8 | 24.2 | 14 | -2.0 | 31 | -8.0 | 31 | 83 | +48 | 237 | 24.9 | 3 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 12.2 | 25.4 | 13 | -2.9 | 31 | -4.3 | 31 | 75 | +43 | 234 | 22.6 | 15 |
| Jászapáti | – | 12.1 | 26.1 | 13 | -1.0 | 31 | -2.5 | 31 | 75 | +44 | 242 | 21.5 | 3 |
| Jászberény | – | 12.0 | 26.0 | 13 | -2.9 | 31 | -4.0 | 31 | 93 | +62 | 300 | 30.4 | 3 |
| Karcag | – | 12.0 | 27.9 | 14 | -4.6 | 31 | -6.1 | 31 | 55 | +26 | 190 | 21.4 | 4 |
| Tiszaroff | – | 12.2 | 27.5 | 13 | -3.5 | 31 | -4.5 | 31 | 58 | +30 | 207 | 16.6 | 15 |
| Törkeve | 126 | 12.5 | 27.3 | 14 | -3.5 | 31 | -4.1 | 31 | 41 | +12 | 141 | 13.6 | 15 |
| Kistelek | – | 13.1 | 27.5 | 12 | -1.5 | 31 | -2.3 | 31 | 49 | +20 | 169 | 15.6 | 15 |
| Makó | – | 13.6 | 27.8 | 13 | -2.1 | 31 | -3.6 | 30 | 40 | +12 | 143 | 15.9 | 4 |
| Szentes | – | 12.6 | 26.0 | 14 | -2.0 | 31 | -3.0 | 31 | 50 | +23 | 185 | 15.7 | 15 |
| Borsodnádasd | – | 10.1 | 24.6 | 14 | -5.2 | 31 | -8.8 | 31 | 75 | +36 | 192 | 21.7 | 15 |
| Fügöd | – | 10.8 | 24.0 | 14 | -4.8 | 31 | -7.0 | 31 | 66 | +31 | 189 | 23.6 | 15 |
| Hidasnémeti | – | 11.0 | 24.5 | 14 | -4.5 | 31 | -5.1 | 31 | 70 | +30 | 175 | 29.4 | 15 |
| Jósvafő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | 124 | 10.7 | 24.8 | 13 | -3.2 | 31 | -6.0 | 31 | 65 | +27 | 171 | 26.6 | 15 |
| Szendrőlád | – | 10.9 | 25.0 | 14 | -5.5 | 31 | -6.0 | 31 | 53 | +14 | 136 | 20.0 | 15 |
| Tokaj | – | 11.6 | 25.5 | 14 | -1.0 | 31 | -1.9 | 31 | 60 | +24 | 167 | 23.1 | 15 |
| Kisvárda | 118 | 11.6 | 27.6 | 14 | -2.8 | 31 | -3.8 | 31 | 41 | +1 | 103 | 20.6 | 15 |
| Mátészalka | – | 12.2 | 27.8 | 13 | -2.5 | 31 | -3.0 | 31 | 29 | -7 | 81 | 13.4 | 15 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 10.8 | 27.4 | 14 | -4.7 | 30 | -5.2 | 30 | 38 | -2 | 95 | 16.5 | 15 |
| Tiszabecs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vásárosnamény | – | 12.2 | 28.0 | 14 | -2.5 | 31 | -3.5 | 31 | 46 | +8 | 121 | 20.7 | 15 |
| Záhony | – | 12.2 | 27.6 | 14 | -1.5 | 31 | -1.9 | 31 | 36 | -3 | 92 | 20.3 | 15 |
| Berettyóújfalu | – | 12.7 | 26.5 | 13 | -1.0 | 27 | -2.0 | 27 | 53 | +21 | 166 | 21.5 | 4 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 11.4 | 26.4 | 13 | -3.8 | 31 | -4.8 | 31 | 68 | +40 | 243 | 23.8 | 4 |
| Körösszakál | – | 12.6 | 27.0 | 8 | -1.7 | 27 | -2.2 | 27 | 50 | +17 | 152 | 21.8 | 4 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 13.6 | 29.1 | 13 | -2.0 | 30 | -3.5 | 30 | 35 | +2 | 106 | 12.1 | 15 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 139 | 12.8 | 27.2 | 13 | -1.6 | 31 | -5.6 | 31 | 52 | +26 | 200 | 17.0 | 15 |
| Szeghalom | – | – | – | – | – | – | – | – | – | – | – | – | – |

HAVI CSAPADÉKÖSSZEG (mm)

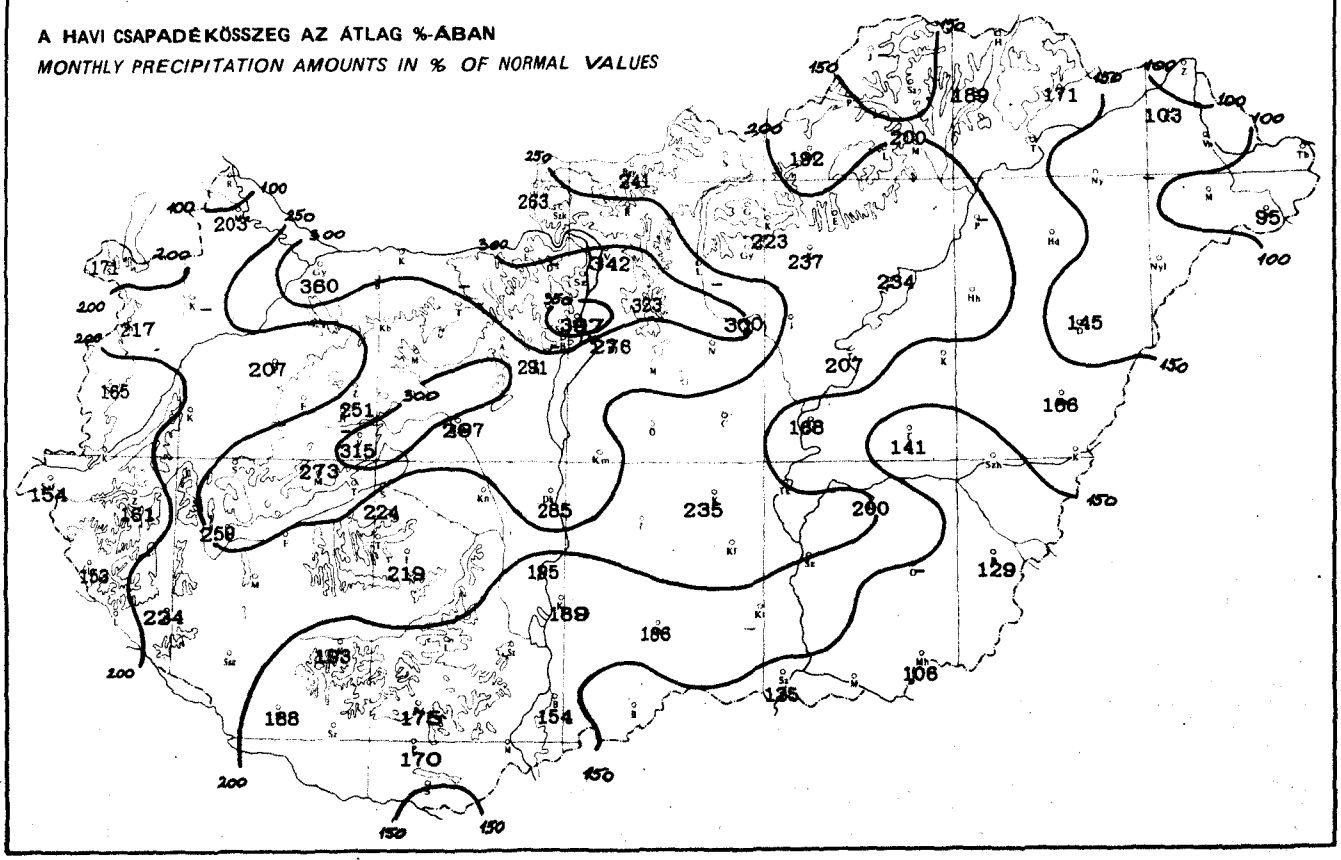
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993. október**



A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály * Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz:

HU ISSN 0133 — 1582

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# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT
BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. november

CXXIII. évf. 11. szám

Rendkívüli volt az idei november időjárása, az első tíz nap folyamán az átlagosnál melegebb, inkább kora őszre emlékeztető volt az időjárás, majd november 11-től egészen a hónap végéig az átlagosnál több fokkal hidegebb, igazi téli időjárás uralkodott az országban. A hideg időszakban többször is volt országos havazás, hatására országszerte jelentős vastagságú hótakaró borította a földeket.

Sokfelé, de főként a Dunántúlon gyakran egész nap ködös, borult, napfényben igen szegényes volt ez a hónap, a napfénytartam az átlag 30-90 %-a között mozgott. A legtöbb napsütést (65 óra) Debrecen térségében regisztráltak, a legkevesebbet (15 óra) Szentgotthárd környékén adódott.

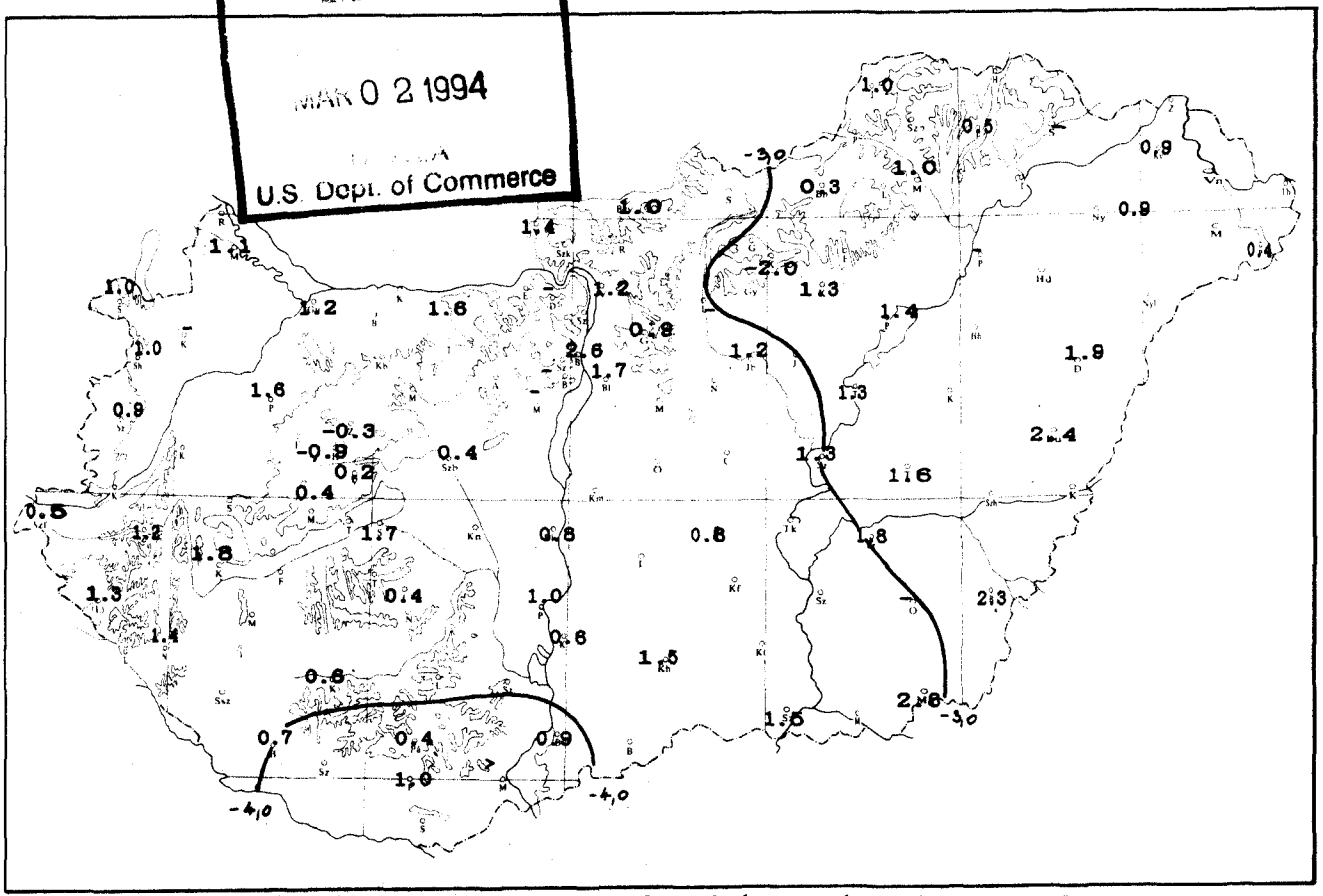
A magasabban fekvő hegyvidéki állomásainkat kivéve a hónap középhőmérsékleti értékei 0,2°C (Veszprém) és 3,1°C (Szeghalom) között váltakozott, ami 3-4 fokkal alacsonyabb volt a sokévi átlagnál. November első dekádja átlagosan 1-4 fokkal melegebb volt a sokévi átlagnál, viszont később a hőmérséklet napi középértékei gyakran 8-11 fokkal maradtak el az átlagostól. November 12 és 30 között a téli napok száma (max.< 0°C) keleten 4-7, a nyugati megyékben 7-12 nap között alakult, sőt Veszprém környéken, ill. Pécs térségében 14 téli nap adódott. A hónap legmagasabb hőmérsékletét (21,7°C) Siklós térségében november 7-én észlelték. A legalacsonyabb hőmérsékletet (-16,5°C) romhányi meteorológiai állomáson november 19-én, továbbá Székesfehérváron és Pakson november 26-án regisztrálták.

Az októberi csapadékviszonyokhoz hasonlóan a novemberi csapadékhozam az északkeleti vidék kivételével országszerte jelentősen meghaladta a sokévi átlagot. November első tíz napján a csapadék eső, később havas eső, hó formájában hullott. Országszerte átlagosan 8-12 napon havazott. A havazások hatására a maximális hóréteg vastagsága a Dunántúlon 30-40, sőt helyenként 50-65 cm-es hótakaró borította a földeket, keleten is 10-20 cm-es hóréteget mértek. A 24 óra alatt hullott legnagyobb csapadékot (41,7 mm hó) Lentiben működő csapadékmérő állomáson jegyezték fel.

A tengerszintre átszámított légnyomás havi értéke 1023,2 és 1024,8 hPa között mozgott. A tengerszinti légnyomás maximuma (1039,2 hPa) november 26-án Nyíregyházán, minimuma (1003,2 hPa) 6-án Baján volt.

A havi legerősebb szélsebességét (18,6 m/s) november 16-án a soproni meteorológiai állomáson regisztrálták.

MAR 0 2 1994
U.S. Dept. of Commerce



A HAVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE MONTHLY MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

## OBSERVATIONS OF MAIN STATIONS

1993. november

**CSAPADÉK (mm)** (0.0 = csapadéknyom) *PRECIPITATION (mm)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 0.2 | . | 0.3 | 0.3 | 16.1 | 4.9 | . | 4.0 | . | . | 2.3 | 4.5 | 5.0 | 10.5 | 0.2 |
| Szombathely | 0.1 | 0.0 | 0.4 | 0.8 | 18.5 | 4.3 | . | 8.3 | . | . | 2.6 | 5.9 | 4.2 | 0.6 | . |
| Győr | 0.0 | . | 0.0 | 0.2 | 2.6 | 9.3 | 0.4 | 11.5 | . | . | 1.0 | 1.1 | 11.3 | 9.2 | 0.0 |
| Pápa | . | . | 0.6 | 0.7 | 3.6 | 2.0 | . | 14.5 | . | . | 0.1 | 3.9 | 8.2 | 7.6 | . |
| Veszprém | . | . | 0.5 | 0.0 | 10.6 | 2.7 | . | 1.4 | . | . | 3.5 | 7.8 | 13.4 | 8.3 | 0.1 |
| Keszthely | . | . | 0.0 | 0.7 | 3.7 | 4.8 | 0.0 | 0.6 | . | . | 4.0 | 7.5 | 15.4 | 2.6 | 0.4 |
| Siófok | . | 0.1 | 2.3 | 0.0 | 3.3 | 5.0 | . | 2.2 | . | . | 2.6 | 5.1 | 18.9 | 8.0 | 0.7 |
| Kaposvár | . | 2.7 | 4.4 | 0.0 | 2.3 | 8.0 | 0.1 | 3.9 | 0.0 | . | 3.6 | 9.2 | 21.2 | 2.4 | 8.1 |
| Zalaegerszeg | . | . | 0.7 | 1.2 | 10.0 | 1.6 | . | 0.6 | 0.0 | . | 5.5 | 13.3 | 12.4 | 0.6 | 0.2 |
| Szentgotthárd | . | . | 0.6 | 0.6 | 14.7 | 2.6 | . | 4.7 | 1.4 | 0.2 | 4.2 | 9.8 | 13.1 | 0.2 | . |
| Nagykanizsa | . | 0.1 | 0.8 | 0.3 | 5.4 | 1.7 | 0.1 | 0.9 | 4.1 | 0.4 | 6.9 | 12.3 | 12.1 | 0.7 | 10.1 |
| Pécs | . | 5.2 | 4.7 | . | 4.8 | 12.3 | 0.9 | 1.8 | . | . | 1.0 | 20.4 | 22.0 | 1.9 | 12.5 |
| Budapest KMI | . | 0.0 | 2.8 | 1.6 | 5.3 | 18.2 | . | 5.1 | . | 0.0 | 0.0 | 4.4 | 17.6 | 11.0 | 0.0 |
| Budapest KLFI | . | . | 3.8 | 2.2 | 4.2 | 17.1 | 1.0 | 13.3 | . | 0.2 | 0.0 | 4.4 | 20.1 | 8.0 | 0.0 |
| Paks | . | 2.1 | 12.5 | 0.7 | 2.9 | 8.5 | 1.0 | 1.5 | . | . | 0.2 | 14.3 | 30.7 | 3.9 | 7.4 |
| Baja | . | 2.2 | 5.3 | . | 1.5 | 7.9 | 0.6 | 1.8 | 0.0 | . | . | 10.1 | 21.5 | 1.6 | 5.5 |
| Szeged | . | 0.0 | 2.9 | 0.0 | 3.2 | 0.8 | 3.4 | 1.2 | . | . | . | 2.7 | 22.9 | . | 0.0 |
| Szolnok | . | . | 0.5 | 3.7 | 2.4 | 3.6 | 0.9 | 0.1 | 2.4 | 1.0 | 0.1 | 2.4 | 18.2 | 7.9 | 0.2 |
| Kékestető | . | . | 2.0 | 0.1 | 2.5 | 37.0 | 1.2 | 0.8 | 3.1 | 4.4 | 0.3 | 3.9 | 11.6 | 3.6 | 0.3 |
| Miskolc | . | . | 1.7 | 0.0 | 0.0 | 9.4 | 0.3 | 1.4 | 0.9 | 1.6 | 0.2 | 0.1 | 2.2 | 4.6 | 3.2 |
| Nyíregyháza Nap | . | . | 0.1 | . | . | 4.4 | 1.9 | 10.9 | 6.1 | 0.4 | 0.9 | . | 8.0 | 1.8 | 1.7 |
| Debrecen | . | . | 0.0 | 0.2 | 0.4 | 3.8 | 5.5 | 10.6 | 10.7 | 20.7 | 1.7 | . | 11.4 | 6.1 | 0.8 |
| Békéscsaba | . | . | 1.0 | 0.0 | 7.1 | 1.3 | 1.0 | 5.7 | 1.7 | 3.4 | 0.0 | 0.1 | 9.9 | 0.0 | . |

**KÖZÉPHŐMÉRSÉKLET (°C)** *DAILY MEAN TEMPERATURE (°C)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 4.0 | 4.8 | 6.3 | 6.6 | 8.7 | 9.6 | 9.1 | 8.7 | 9.0 | 6.8 | 6.2 | 0.0 | +0.4 | 0.2 | 0.8 |
| Szombathely | 3.7 | 4.5 | 6.2 | 7.3 | 9.0 | 9.9 | 11.0 | 8.0 | 8.5 | 7.2 | 6.4 | 0.1 | +0.7 | +0.6 | 0.6 |
| Győr | 4.7 | 6.1 | 6.4 | 7.8 | 10.7 | 10.6 | 12.3 | 7.9 | 9.0 | 6.5 | 4.1 | +0.4 | 0.1 | +0.7 | +0.7 |
| Pápa | 4.6 | 6.1 | 6.7 | 8.1 | 10.5 | 11.0 | 13.5 | 9.8 | 9.2 | 6.4 | 5.8 | +0.1 | +0.4 | 0.4 | 0.6 |
| Veszprém | 2.8 | 4.0 | 4.1 | 6.3 | 8.7 | 9.5 | 12.7 | 10.4 | 9.0 | 6.3 | 3.1 | +2.6 | +2.0 | +0.8 | +2.1 |
| Keszthely | 2.7 | 3.5 | 6.4 | 8.1 | 9.4 | 10.3 | 13.4 | 10.7 | 9.2 | 7.7 | 6.2 | 0.2 | +0.6 | +0.4 | 1.2 |
| Siófok | 3.5 | 4.2 | 5.7 | 8.1 | 9.4 | 10.3 | 13.4 | 11.1 | 10.6 | 8.5 | 4.5 | +1.2 | +0.3 | 0.0 | +0.2 |
| Kaposvár | 3.1 | 2.1 | 5.9 | 8.8 | 9.2 | 11.5 | 14.0 | 11.6 | 9.7 | 7.5 | 4.6 | +1.4 | +2.1 | +0.5 | 0.4 |
| Zalaegerszeg | 3.9 | 5.0 | 5.6 | 7.9 | 9.3 | 10.6 | 13.0 | 10.3 | 9.8 | 7.9 | 7.0 | 0.0 | +1.4 | +2.4 | 1.1 |
| Szentgotthárd | 3.7 | 4.2 | 5.8 | 7.4 | 8.2 | 9.5 | 12.0 | 8.1 | 8.1 | 6.5 | 5.7 | 0.0 | +2.4 | +2.1 | 0.0 |
| Nagykanizsa | 3.1 | 4.4 | 6.6 | 8.7 | 9.4 | 11.3 | 13.3 | 11.0 | 9.3 | 7.6 | 6.2 | +0.1 | +1.2 | +1.7 | 0.6 |
| Pécs | 3.4 | 0.8 | 6.4 | 9.4 | 9.0 | 11.5 | 14.1 | 11.2 | 10.0 | 7.8 | 3.9 | +2.2 | +2.8 | +1.4 | +0.2 |
| Budapest KMI | 5.0 | 6.4 | 6.2 | 7.9 | 10.4 | 10.2 | 13.6 | 12.9 | 10.4 | 8.5 | 5.0 | 1.0 | +0.6 | +1.5 | +0.8 |
| Budapest KLFI | 3.5 | 5.5 | 5.8 | 8.2 | 10.3 | 10.3 | 13.7 | 11.5 | 10.6 | 8.6 | 3.9 | 0.0 | +1.4 | +3.0 | +1.5 |
| Paks | 2.3 | 3.4 | 6.0 | 8.8 | 9.3 | 12.2 | 14.3 | 10.8 | 9.9 | 7.0 | 3.1 | +1.1 | +1.9 | +3.0 | 0.2 |
| Baja | 3.6 | 3.3 | 7.0 | 9.7 | 10.0 | 12.1 | 14.2 | 11.4 | 9.7 | 7.5 | 2.2 | +1.9 | +2.5 | +2.3 | +0.2 |
| Szeged | 3.3 | 6.0 | 7.9 | 10.0 | 10.4 | 12.7 | 14.4 | 12.3 | 10.4 | 8.2 | 2.3 | +1.0 | +2.3 | +3.5 | 0.3 |
| Szolnok | 2.1 | 4.2 | 6.2 | 8.9 | 9.6 | 11.1 | 13.7 | 12.3 | 10.9 | 7.9 | 4.1 | 0.2 | +1.7 | +3.5 | +1.0 |
| Kékestető | 1.8 | 3.5 | 2.7 | 5.1 | 6.8 | 6.8 | 8.4 | 6.6 | 5.5 | 3.0 | +1.1 | +4.3 | +5.9 | +6.7 | +5.0 |
| Miskolc | 1.0 | 4.7 | 5.6 | 7.6 | 8.8 | 9.3 | 11.8 | 10.8 | 9.9 | 6.5 | 0.4 | +2.2 | +0.9 | +3.8 | +2.3 |
| Nyíregyháza Nap | +1.0 | 3.4 | 6.1 | 8.8 | 10.4 | 9.4 | 13.8 | 12.4 | 9.6 | 6.4 | +0.1 | +1.8 | +0.3 | +3.2 | +1.0 |
| Debrecen | 3.8 | 5.5 | 6.4 | 9.2 | 11.2 | 10.8 | 13.4 | 12.4 | 10.7 | 6.8 | 1.8 | +0.2 | +0.7 | +3.1 | +0.3 |
| Békéscsaba | 2.4 | 5.2 | 6.7 | 9.4 | 11.8 | 13.5 | 14.8 | 12.9 | 11.3 | 8.6 | 4.0 | 0.6 | −0.6 | −3.1 | −0.2 |

**NAPSÜTÉS (óra)** *DURATION OF SUNSHINE (HOURS)*

| ÁLLOMÁS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sopron | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 6.5 | 1.2 | 2.2 | 8.1 | 0.7 | 0.0 | 0.0 | 1.1 | 0.0 |
| Szombathely | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 1.2 | 1.4 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Győr | 3.8 | 4.3 | 0.0 | 0.0 | 0.5 | 0.0 | 2.1 | 0.0 | 3.3 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Pápa | 3.8 | 4.0 | 0.0 | 0.0 | 0.2 | 0.0 | 5.5 | 1.7 | 3.5 | 8.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Veszprém | 2.8 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 5.3 | 0.0 | 2.8 | 7.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Keszthely | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 0.0 | 0.4 | 1.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| Siófok | 1.5 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 0.4 | 3.7 | 4.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kaposvár | 4.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 4.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Zalaegerszeg | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szentgotthárd | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nagykanizsa | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.5 | 0.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 |
| Pécs | 6.9 | 0.0 | 0.0 | 2.2 | 0.0 | 0.0 | 6.2 | 1.3 | 7.8 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| Budapest KMI | 5.7 | 6.7 | 0.0 | 0.0 | 0.5 | 0.0 | 3.9 | 4.5 | 5.1 | 6.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Budapest KLFI | 6.7 | 6.6 | 0.0 | 0.0 | 0.7 | 0.0 | 5.8 | 3.4 | 5.1 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Paks | 3.3 | 6.4 | 0.2 | 0.0 | 0.1 | 0.0 | 6.1 | 1.9 | 6.1 | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Baja | 5.2 | 6.6 | 0.4 | 1.1 | 0.0 | 0.0 | 6.6 | 0.8 | 7.9 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| Szeged | 6.9 | 6.1 | 0.0 | 0.7 | 0.0 | 0.8 | 6.3 | 1.6 | 1.7 | 6.5 | 2.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| Szolnok | 3.1 | 4.9 | 0.0 | 0.0 | 0.3 | 0.0 | 5.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kékestető | 7.8 | 6.1 | 0.0 | 0.0 | 1.4 | 0.0 | 0.0 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 |
| Miskolc | 4.3 | 5.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.5 | 1.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Nyíregyháza Nap | 2.1 | 4.5 | 2.5 | 0.0 | 2.9 | 0.0 | 2.7 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 0.0 |
| Debrecen | 7.3 | 7.0 | 0.0 | 0.0 | 3.8 | 0.0 | 4.1 | 2.7 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 |
| Békéscsaba | 6.9 | 7.5 | 0.1 | 0.0 | 0.7 | 0.3 | 5.2 | 1.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 |

# *Monthly Weather Report*

*November 1993* *Vol. CXXIII, No. 11.*

In November over the territory of Hungary the weather was extraordinary. In the first decade the weather was warmer than average, while in the second and third decade it was colder than average and it was similar to the real winter weather. There were snowfall many times in this period resulting in deep snow cover.

The sunshine duration reached 30-90 per cent of the average. The highest sunshine duration (72 hours) was observed at Kékestetô, and (61 hours) in Debrecen, while the lowest one (15 hours) occurred at Szentgotthárd.

With the exception of the mountain stations, the monthly mean temperature varied between 0.2 °C (Veszprém) and 3.1 °C (Szeghalom) being below average by 1-4 °C. Later, the mean temperatures remained below average by 8-11 °C. In the period from 12 to 30 the number of winter days (max <0 °C) varied between 4-7 days in the eastern region, 7-12 days in the western region, wile in the region of Veszprém and Pécs the number of the winter days was 14. The highest temperature value (21.8 °C) was recorded on the 7th at Makó, while the lowest one (-16.5 °C) on the 19th at Romhány and on the 26th at Székesfehérvár and Paks.

In November, the precipitation amount - with the exception of the north-eastern region of Hungary - exceeded the average. There were snow-falls in 8-12 days over Hungary. The maximum snow depth was 30-40 cm, and even 50-65 cm in certain parts of Transdanubia; In the eastern part of Hungary the snow cover reached 10-20 cm. The maximum 24-hour fall (41.71 mm, snow) occurred in Lenti.

The monthly average sea-level pressure ranged from 1023.2 to 1024.8 hPa. The maximum value of sea-level pressure (1039.2 hPa) was observed on the 26th at Nyiregyháza, and the minimum value (1003.2 hPa) on the 6th at Baja.

The monthly strongest wind gust of 18.6 m/s was recorded on the 16th at Sopron.

# ÉGHAJLATI FŐÁLLOMÁSOK NAPI ADATAI

OBSERVATIONS OF MAIN STATIONS

1993. november

## CSAPADÉK (mm)

PRECIPITATION (mm)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.1 | . | 0.0 | 11.0 | 0.0 | 5.6 | . | . | 0.0 | . | . | 4.8 | 16.2 | 0.1 | | 12805 |
| 0.2 | 0.0 | . | 0.0 | 5.1 | 0.0 | 6.4 | . | . | 0.0 | . | . | 5.7 | 8.4 | 0.0 | | 12812 |
| . | 0.0 | . | . | 5.9 | . | 3.9 | . | . | . . | . | . | 8.6 | 5.5 | 0.0 | | 12822 |
| . | 0.0 | . | 0.0 | 3.1 | 0.0 | 3.6 | . | . | . | . | . | 12.2 | 3.6 | 0.7 | | 12825 |
| 0.0 | 0.1 | . | 0.0 | 13.8 | . | 2.7 | 0.0 | 0.0 | . | . | . | 7.4 | 10.6 | 0.2 | | 12830 |
| 0.2 | 0.0 | . | 0.1 | 15.6 | . | 4.7 | . | 0.1 | 0.0 | . | . | 20.8 | 25.2 | 0.7 | | 12920 |
| . | 0.0 | . | 0.0 | 9.4 | . | 1.9 | . | . | . | . | . | 23.0 | 5.8 | 0.5 | | 12935 |
| 0.1 | 0.2 | . | 0.0 | 7.8 | . | 0.6 | . | 0.0 | . | . | . | 13.1 | 10.0 | 0.2 | | 12930 |
| 0.1 | 0.0 | . | 0.3 | 9.5 | . | 7.2 | 0.0 | 0.0 | 0.0 | . | . | 11.9 | 24.5 | 0.1 | | 12915 |
| . | . | . | 0.3 | 12.5 | 0.0 | 6.4 | . | . | . | . | . | 5.3 | 30.2 | 0.8 | | 12910 |
| 0.9 | 0.0 | . | 0.2 | 7.6 | 0.0 | 4.8 | 0.1 | 0.1 | 0.1 | . | . | 17.4 | 31.2 | 0.5 | | 12925 |
| 1.1 | 0.6 | . | . | 6.5 | . | 1.2 | . | . | . | . | . | 8.6 | 3.4 | . | | 12942 |
| 0.0 | 0.3 | . | . | 8.1 | 0.0 | 1.4 | . | 0.0 | . | . | . | 5.8 | 0.1 | 0.6 | | 12840 |
| 0.1 | 0.4 | . | . | 5.9 | 0.0 | 0.9 | 0.0 | 0.0 | . . | . | . | 2.6 | 0.4 | 0.2 | | 12843 |
| 0.1 | 0.7 | . | 0.0 | 14.0 | . | 0.4 | . | . | . | . | . | 7.7 | 2.0 | 1.2 | | 12950 |
| 1.2 | 0.7 | . | 0.0 | 9.0 | . | 0.2 | . | . | . | . | . | 1.4 | 0.1 | 0.1 | | 12960 |
| 3.3 | 0.1 | 0.0 | 0.0 | 6.4 | . | 0.0 | . | . | . | . | . | . | 0.0 | 2.1 | | 12982 |
| 0.2 | 0.1 | . | . | 4.8 | 0.0 | 0.1 | . | 0.0 | 0.0 | . | 0.0 | . | 0.0 | 0.8 | | 12860 |
| 0.1 | 0.2 | . | . | 8.3 | 0.7 | 1.1 | . | . | . | . | . | 0.3 | . | 0.0 | | 12851 |
| . | . | . | . | 5.2 | 0.4 | 0.3 | . | . | . | . | . | . | . | . | | 12772 |
| 0.0 | . | . | . | 5.0 | . | 3.0 | 0.2 | . | . | . | . | . | . | 0.0 | | 12893 |
| 0.5 | . | . | . | 4.6 | . | 3.4 | 0.0 | . . | . | . | . | . | . | 1.0 | | 12882 |
| 5.2 | 0.2 | 0.0 | 0.0 | 2.7 | 0.0 | 3.4 | . | . | 0.0 | . | 0.0 | . | . | 1.9 | | 12992 |

## KÖZÉPHŐMÉRSÉKLET (°C)

DAILY MEAN TEMPERATURE (°C)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.0 | −0.2 | -3.3 | -5.8 | -5.5 | -3.6 | -2.0 | -3.4 | -2.2 | -1.6 | -4.8 | -6.1 | -6.1 | -5.4 | -1.6 | | 12805 |
| 2.2 | 0.1 | -2.9 | -5.9 | -5.9 | -3.8 | -2.2 | -6.0 | -2.4 | -1.7 | -5.9 | -6.7 | -6.6 | -5.1 | -1.1 | | 12812 |
| 1.4 | 0.1 | -3.6 | -7.1 | -6.3 | -1.2 | -0.2 | -4.8 | -0.7 | -2.3 | -6.0 | -6.0 | -7.1 | -3.1 | -1.0 | | 12822 |
| 1.6 | 0.1 | -3.4 | -6.4 | -5.2 | -2.1 | -0.8 | -2.9 | -1.0 | -1.6 | -5.5 | -5.7 | -6.3 | -3.9 | -1.7 | | 12825 |
| 0.3 | −1.0 | -5.2 | -7.4 | -6.6 | -2.8 | -2.5 | -4.5 | -2.1 | -3.7 | -7.3 | -6.4 | -8.4 | -4.8 | -1.2 | | 12830 |
| 2.2 | 0.9 | -2.2 | -4.2 | -3.8 | -2.5 | -1.0 | -3.4 | -0.8 | -1.2 | -3.8 | -4.4 | -6.3 | -3.7 | -0.8 | | 12920 |
| 2.8 | 1.5 | -1.6 | -5.5 | -4.9 | -1.8 | -1.8 | -2.4 | -0.8 | -2.1 | -5.9 | -5.4 | -6.8 | -3.3 | 0.0 | | 12935 |
| 1.2 | 0.1 | -7.8 | -9.7 | -6.3 | -3.1 | -1.3 | -2.5 | -1.6 | -2.8 | -9.8 | -8.4 | -8.3 | -4.1 | -1.3 | | 12930 |
| 2.5 | 0.4 | -2.5 | -6.2 | -6.3 | -4.4 | -2.5 | -4.7 | -2.7 | -1.3 | -4.1 | -6.8 | -6.5 | -5.4 | -1.4 | | 12915 |
| 1.4 | 0.4 | -2.9 | -6.9 | -6.7 | -4.7 | -3.1 | -5.2 | -3.4 | -2.2 | -4.7 | -6.9 | -6.8 | -5.4 | -1.8 | | 12910 |
| 2.0 | 0.9 | -2.8 | -6.1 | -4.9 | -3.4 | -1.9 | -2.7 | -1.3 | -1.2 | -5.2 | -6.9 | -6.8 | -4.5 | -1.3 | | 12925 |
| 1.0 | −0.2 | -4.7 | -6.2 | -5.1 | -3.0 | -1.4 | -2.4 | -1.2 | -2.7 | -7.1 | -7.9 | -7.7 | -2.8 | -1.0 | | 12942 |
| 2.8 | 1.5 | -1.5 | -5.0 | -4.9 | 0.0 | 1.1 | -0.5 | 1.3 | -0.6 | -0.5 | -4.2 | -5.5 | -2.2 | 1.2 | | 12840 |
| 1.7 | 0.6 | -3.3 | -6.7 | -4.9 | -0.6 | -0.5 | -1.6 | 0.0 | -2.2 | -2.4 | -5.9 | -7.1 | -2.5 | 0.1 | | 12843 |
| 1.4 | 0.1 | -6.4 | -8.4 | -5.7 | -1.5 | -2.8 | -3.0 | 0.0 | -3.0 | -6.4 | -5.2 | -7.5 | -3.2 | -0.9 | | 12950 |
| 0.8 | −0.5 | -7.5 | -7.6 | -4.9 | -3.0 | -2.7 | -1.8 | -0.7 | -3.6 | -7.2 | -6.5 | -7.4 | -2.7 | -1.0 | | 12960 |
| 0.3 | −0.9 | -5.9 | -4.5 | -4.3 | -2.1 | -4.8 | 0.5 | -0.2 | -3.4 | -4.3 | -5.4 | -6.4 | -2.5 | -0.8 | | 12982 |
| 0.7 | −0.4 | -5.3 | -7.9 | -5.7 | -1.5 | -2.7 | 0.1 | 0.3 | -1.1 | -3.8 | -5.9 | -7.5 | -3.9 | -0.7 | | 12860 |
| -3.9 | −6.7 | -9.9 | -9.8 | -8.9 | -5.0 | -2.5 | -4.8 | -2.8 | -5.8 | -6.4 | -3.8 | -6.4 | -5.5 | -4.6 | | 12851 |
| 0.0 | −1.0 | -4.5 | -5.8 | -4.6 | -1.8 | 0.9 | 0.1 | 0.4 | -0.8 | -1.8 | -7.5 | -8.6 | -3.4 | -0.3 | | 12772 |
| -0.3 | −1.8 | -5.4 | -5.9 | -4.2 | 0.2 | 0.9 | 0.4 | 0.0 | -0.7 | -6.7 | -7.0 | -7.5 | -5.2 | -2.0 | | 12893 |
| 0.7 | −0.7 | -4.0 | -5.9 | -3.5 | 0.2 | 1.2 | 0.4 | 1.1 | 0.4 | -2.4 | -7.3 | -7.1 | -4.4 | -0.3 | | 12882 |
| 0.7 | 0.3 | -3.1 | -4.2 | -2.6 | -0.6 | -2.2 | 0.3 | 0.2 | 0.2 | -1.8 | -6.0 | -6.2 | -3.3 | -0.4 | | 12992 |

## NAPSÜTÉS (óra)

DURATION OF SUNSHINE (HOURS)

| 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | Állomás szám Station number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.0 | 6.4 | 6.4 | 0.0 | 1.0 | 0.0 | 2.0 | 0.0 | 0.0 | 2.6 | 0.4 | 0.0 | 0.0 | 0.0 | | 12805 |
| 0.1 | 0.0 | 7.5 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | | 12812 |
| 1.3 | 0.0 | 5.1 | 1.7 | 0.0 | 0.0 | 0.0 | 3.1 | 0.0 | 2.9 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | | 12822 |
| 0.0 | 0.0 | 5.7 | 0.3 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.2 | 3.5 | 0.0 | 0.0 | 0.0 | | 12825 |
| 0.0 | 0.0 | 7.3 | 1.3 | 0.0 | 0.0 | 0.0 | 1.4 | 0.1 | 3.4 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | | 12830 |
| 0.0 | 0.0 | 6.5 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 0.0 | 0.0 | 0.0 | | 12920 |
| 0.0 | 0.0 | 7.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 12935 |
| 0.0 | 0.0 | 4.7 | 4.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 0.0 | 0.0 | 0.0 | | 12930 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | 12915 |
| 0.0 | 0.0 | 6.8 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | | 12910 |
| 0.0 | 0.0 | 5.8 | 2.6 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 | 0.8 | 0.0 | 0.0 | 0.0 | | 12925 |
| 0.0 | 0.0 | 7.9 | 7.5 | 0.0 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 6.4 | 0.0 | 0.0 | 0.0 | | 12942 |
| 0.2 | 0.0 | 7.8 | 0.4 | 0.0 | 0.1 | 0.5 | 1.4 | 0.0 | 0.8 | 0.2 | 0.0 | 0.9 | 0.0 | 0.0 | | 12840 |
| 0.0 | 0.0 | 8.4 | 0.3 | 0.0 | 0.0 | 0.0 | 4.6 | 0.0 | 1.2 | 0.0 | 0.0 | 2.1 | 0.0 | 0.0 | | 12843 |
| 0.0 | 0.0 | 8.1 | 2.6 | 0.0 | 2.9 | 0.0 | 0.0 | 0.3 | 3.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | | 12950 |
| 0.0 | 0.0 | 7.4 | 0.6 | 0.0 | 4.2 | 0.0 | 0.0 | 0.0 | 5.1 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | | 12960 |
| 0.0 | 0.0 | 7.6 | 0.0 | 0.0 | 4.3 | 0.0 | 0.0 | 0.5 | 1.6 | 1.7 | 1.2 | 0.0 | 0.0 | 0.0 | | 12982 |
| 0.0 | 4.0 | 8.0 | 3.7 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 12860 |
| 0.1 | 3.3 | 8.0 | 8.0 | 1.1 | 0.0 | 1.6 | 0.1 | 0.1 | 6.1 | 7.0 | 7.3 | 4.3 | 0.0 | 0.0 | | 12851 |
| 2.1 | 5.3 | 7.2 | 7.5 | 2.4 | 0.0 | 3.7 | 0.0 | 0.0 | 2.1 | 4.2 | 3.5 | 0.0 | 0.0 | 0.0 | | 12772 |
| 0.0 | 5.6 | 7.8 | 7.5 | 2.0 | 0.2 | 3.9 | 0.0 | 0.0 | 3.2 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | | 12893 |
| 0.0 | 5.5 | 8.2 | 7.8 | 0.0 | 0.8 | 5.1 | 0.0 | 0.0 | 0.0 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | | 12882 |
| 0.0 | 2.1 | 8.3 | 6.3 | 0.0 | 2.1 | 4.2 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 | | 12992 |

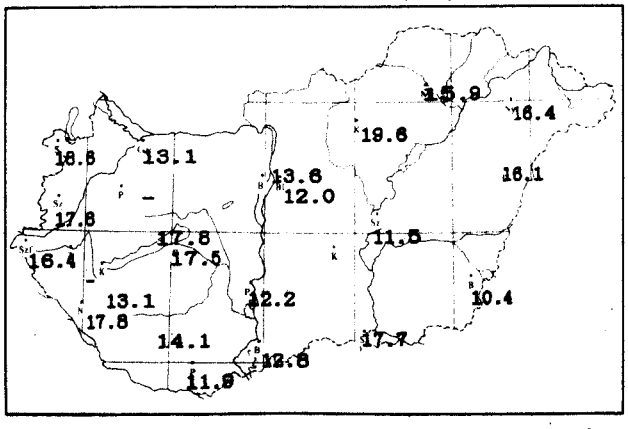
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

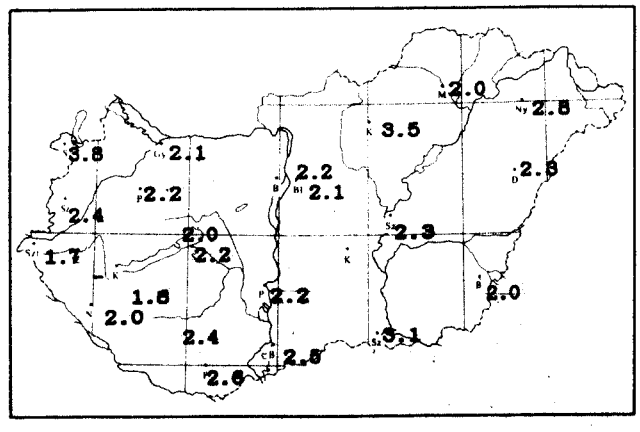
**1993. november**

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi összeg (óra) *monthly amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | havi közép *monthly mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30 °C | nyári nap max. ⩾ 25°C | fagyos nap min. ⩽ 0°C | téli nap max. ⩽ 0°C | zord nap min. ⩽ -10°C | radiációs min. ⩽ 0°C |
| Sopron | 233 | 39 | – | 2 | 22 | 1.0 | - | 14.4 | 7 | -9.5 | 27 | 0 | 0 | 18 | 11 | 0 | 21 |
| Szombathely | 224 | 20 | -53 | 2 | 22 | 0.9 | -3.1 | 16.5 | 7 | -12.0 | 23 | 0 | 0 | 18 | 11 | 2 | 20 |
| Győr | 115 | 37 | -36 | 1 | 15 | 1.2 | -3.7 | 17.9 | 7 | -11.6 | 19 | 0 | 0 | 19 | 8 | 3 | 21 |
| Pápa | 140 | 37 | – | 1 | 20 | 1.6 | - | 18.6 | 7 | -10.2 | 19 | 0 | 0 | 20 | 9 | 2 | 21 |
| Veszprém | 302 | 36 | – | 1 | 20 | 0.2 | - | 17.4 | 7 | -12.6 | 26 | 0 | 0 | 20 | 14 | 2 | 20 |
| Keszthely | 117 | 22 | -56 | 1 | 24 | 1.8 | -3.2 | 19.2 | 7 | -7.8 | 23 | 0 | 0 | 17 | 10 | 0 | 17 |
| Siófok | 108 | 36 | – | 1 | 19 | 1.7 | - | 19.0 | 7 | -10.4 | 26 | 0 | 0 | 18 | 9 | 1 | 19 |
| Kaposvár | 144 | 31 | – | 1 | 20 | 0.6 | - | 19.8 | 7 | -15.5 | 19 | 0 | 0 | 21 | 10 | 6 | 20 |
| Zalaegerszeg | 188 | - | – | 1 | 24 | 1.2 | - | 18.5 | 7 | -10.5 | 23 | 0 | 0 | 15 | 12 | 3 | 19 |
| Szentgotthárd | 221 | 15 | – | 2 | 23 | 0.5 | - | 17.6 | 7 | -9.6 | 20 | 0 | 0 | 19 | 13 | 0 | 22 |
| Nagykanizsa | 160 | 19 | – | 2 | 22 | 1.4 | - | 19.5 | 7 | -11.0 | 27 | 0 | 0 | 19 | 11 | 1 | 18 |
| Pécs | 201 | 52 | -30 | 1 | 19 | 1.0 | -4.1 | 19.6 | 7 | -11.8 | 28 | 0 | 0 | 21 | 14 | 3 | 21 |
| Budapest KMI | 120 | 45 | -20 | 1 | 17 | 2.6 | -3.1 | 17.7 | 7 | -8.5 | 28 | 0 | 0 | 15 | 4 | 0 | 17 |
| Budapest KLFI | 140 | 50 | -17 | 1 | 20 | 1.7 | -3.1 | 18.0 | 7 | -9.5 | 28 | 0 | 0 | 20 | 7 | 0 | 20 |
| Paks | 103 | 49 | – | 1 | 17 | 1.0 | - | 20.2 | 7 | -16.5 | 26 | 0 | 0 | 22 | 10 | 4 | 22 |
| Baja | 109 | 53 | – | 1 | 16 | 0.9 | - | 20.6 | 7 | -14.4 | 19 | 0 | 0 | 23 | 12 | 5 | 23 |
| Szeged | 82 | 52 | -28 | 2 | 17 | 1.5 | -3.6 | 20.3 | 7 | -12.1 | 22 | 0 | 0 | 21 | 8 | 1 | 21 |
| Szolnok | 85 | 31 | – | 1 | 21 | 1.3 | - | 19.0 | 7 | -12.0 | 20 | 0 | 0 | 21 | 9 | 2 | 22 |
| Kékestető | 989 | 72 | -25 | 3 | 18 | -2.0 | -2.9 | 9.7 | 7 | -11.7 | 18 | 0 | 0 | 21 | 19 | 3 | 21 |
| Miskolc | 233 | 50 | -3 | 4 | 18 | 1.0 | -2.7 | 13.8 | 7 | -10.8 | 27 | 0 | 0 | 21 | 10 | 2 | 23 |
| Nyíregyháza N | 150 | 52 | – | 2 | 19 | 0.9 | - | 17.6 | 7 | -10.8 | 20 | 0 | 0 | 21 | 7 | 1 | 23 |
| Debrecen | 114 | 61 | -9 | 4 | 20 | 1.9 | -2.6 | 18.0 | 7 | -9.3 | 19 | 0 | 0 | 20 | 4 | 0 | 22 |
| Békéscsaba | 84 | 51 | – | 1 | 21 | 2.3 | - | 20.1 | 7 | -7.8 | 20 | 0 | 0 | 22 | 5 | 0 | 21 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**HAVI ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



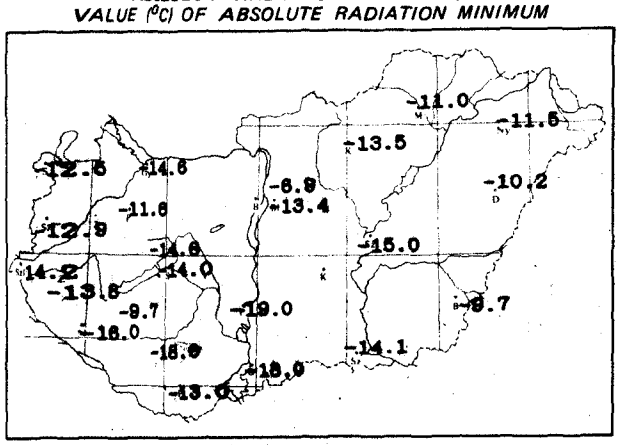
# ÉGHAJLATI FŐÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF MAIN STATIONS

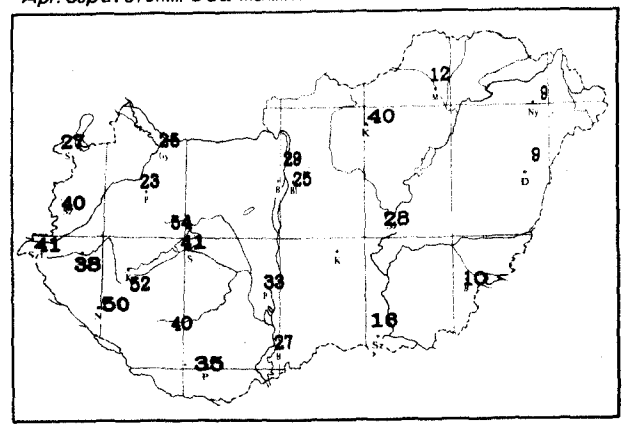
1993. november

| Légnedvesség – *Humidity* | | | | Szél — *Wind* napok száma *number of days* | | | | Csapadék (mm) — *Precipitation (mm)* | | | | | napok száma *number of days* | | | | Napok száma — *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| páranyomás (hPa) *vapour pressure (hPa)* | havi közép – *monthly mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar — *storm* | jégeső — *hail* | havazás — *snow* | hótakaró — *snow cover* | köd — *fog* látás ⩽ 1000 m — *visibility ⩽ 1000 m* |
| 6.4 | 90 | 60 | 10 | 0 | 18 | 5 | 0 | 86 | +32 | 159 | 16.2 | 29 | 17 | 11 | 6 | 4 | 0 | 0 | 11 | 12 | 9 |
| 6.3 | 89 | 48 | 10 | 0 | 4 | 1 | 0 | 72 | +20 | 138 | 18.5 | 5 | 15 | 10 | 7 | 1 | 0 | 0 | 8 | 12 | 12 |
| 6.3 | 87 | 60 | 1 | 0 | 5 | 0 | 0 | 71 | +18 | 134 | 11.5 | 8 | 13 | 11 | 7 | 2 | 0 | 0 | 8 | 14 | 6 |
| 6.0 | 80 | 55 | 18 | 0 | 5 | 0 | 0 | 64 | +7 | 112 | 14.5 | 8 | 14 | 10 | 4 | 2 | 0 | 0 | 9 | 14 | 7 |
| 6.0 | 90 | 46 | 10 | 0 | 9 | 2 | 0 | 83 | +20 | 132 | 13.8 | 20 | 15 | 11 | 7 | 4 | 0 | 0 | 11 | 18 | 23 |
| 6.6 | 88 | 60 | 10 | 0 | 2 | 0 | 0 | 107 | +44 | 170 | 25.2 | 29 | 17 | 10 | 5 | 4 | 0 | 0 | 9 | 14 | 9 |
| 6.5 | 87 | 53 | 18 | 0 | 7 | 2 | 0 | 89 | +30 | 151 | 23.0 | 28 | 15 | 12 | 7 | 2 | 0 | 0 | 10 | 14 | 7 |
| 6.2 | 87 | 50 | 7 | 0 | 7 | 0 | 0 | 98 | +30 | 144 | 21.2 | 13 | 18 | 13 | 7 | 3 | 0 | 0 | 11 | 18 | 13 |
| 6.6 | 90 | 60 | 7 | 0 | 7 | 0 | 0 | 100 | +37 | 159 | 24.5 | 29 | 17 | 10 | 8 | 5 | 0 | 0 | 9 | 14 | 7 |
| 6.2 | 90 | 52 | 7 | 4 | 3 | 1 | 0 | 108 | +43 | 166 | 30.2 | 29 | 17 | 11 | 7 | 4 | 0 | 0 | 8 | 18 | 13 |
| 6.9 | 93 | 64 | 18 | 0 | 6 | 2 | 0 | 119 | +48 | 168 | 31.2 | 29 | 24 | 11 | 8 | 5 | 0 | 0 | 12 | 15 | 12 |
| 6.2 | 86 | 45 | 18 | 0 | 10 | 0 | 0 | 109 | +53 | 195 | 22.0 | 13 | 17 | 15 | 7 | 4 | 0 | 0 | 9 | 18 | 8 |
| 6.4 | 81 | 47 | 18 | 0 | 3 | 0 | 0 | 82 | +23 | 139 | 18.2 | 6 | 14 | 11 | 7 | 3 | 0 | 0 | 9 | 18 | 5 |
| 6.2 | 83 | 47 | 18 | 0 | 4 | 0 | 0 | 85 | +33 | 163 | 20.1 | 13 | 17 | 11 | 5 | 3 | 0 | 0 | 10 | 17 | 10 |
| 6.3 | 86 | 46 | 18 | 0 | 3 | 0 | 0 | 112 | +61 | 220 | 30.7 | 13 | 19 | 14 | 7 | 4 | 0 | 0 | 11 | 18 | 13 |
| 6.3 | 86 | 48 | 1 | 0 | 2 | 0 | 0 | 71 | +17 | 131 | 21.5 | 13 | 17 | 12 | 6 | 2 | 0 | 0 | 11 | 18 | 6 |
| 6.1 | 83 | 34 | 2 | 0 | 10 | 1 | 0 | 49 | +8 | 120 | 22.9 | 13 | 11 | 9 | 2 | 1 | 0 | 0 | 6 | 17 | 7 |
| 6.5 | 86 | 52 | 2 | 0 | 1 | 0 | 0 | 49 | +6 | 114 | 18.2 | 13 | 18 | 9 | 2 | 1 | 0 | 0 | 10 | 17 | 13 |
| 5.0 | 86 | 33 | 2 | 0 | 15 | 7 | 0 | 82 | +3 | 104 | 37.0 | 6 | 19 | 11 | 3 | 2 | 0 | 0 | 12 | 18 | 21 |
| 5.9 | 83 | 49 | 18 | 0 | 7 | 1 | 0 | 32 | -11 | 74 | 9.4 | 6 | 14 | 8 | 2 | 0 | 0 | 0 | 7 | 12 | 13 |
| 6.1 | 85 | 49 | 3 | 0 | 9 | 3 | 0 | 44 | - | - | 10.9 | 8 | 13 | 9 | 4 | 1 | 0 | 0 | 8 | 11 | 10 |
| 6.5 | 85 | 41 | 2 | 0 | 7 | 3 | 0 | 81 | +36 | 160 | 20.7 | 10 | 15 | 11 | 6 | 4 | 0 | 0 | 8 | 7 | 9 |
| 6.9 | 88 | 28 | 2 | 0 | 2 | 0 | 0 | 45 | +2 | 105 | 9.9 | 13 | 14 | 12 | 4 | 0 | 0 | 0 | 7 | 7 | 8 |

ABSZOLÚT RADIÁCIÓS MINIMUM (°C)
*VALUE (°C) OF ABSOLUTE RADIATION MINIMUM*




Ápr.-Szept. ZIVATAR. Okt.-Márc. HÓTAKARÓ MAX. VASTAGSÁGA
*Apr.-Sept.: STORM. Oct.-March. MAX. DEPTH OF SNOW COVER (cm)*



# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

OBSERVATIONS OF FIRST - AND SECOND- CLASS STATIONS

1993. november

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | Csapadék (mm) — *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum — *date* | abszolút minimum *absolute minimum* | dátum — *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum — *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum — *date* |
| Kapuvár Hövej | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mosonmagyaróvár | 21 | 1.1 | 16.0 | 7 | -12.7 | 26 | -15.6 | 26 | 60 | +7 | 113 | 12.2 | 6 |
| Rajka | - | 1.0 | 13.9 | 7 | -12.7 | 23 | -13.9 | 23 | 69 | +19 | 138 | 11.1 | 5 |
| Sopronhorpács | 24 | 1.0 | 16.0 | 7 | -12.5 | 26 | -14.0 | 26 | 91 | +37 | 169 | 17.5 | 5 |
| Káld | - | 1.2 | 17.8 | 7 | -10.2 | 26 | -11.6 | 26 | 82 | +19 | 130 | 13.1 | 29 |
| Körmend | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Lenti | - | 1.3 | 18.9 | 7 | -10.5 | 27 | -13.0 | 27 | 128 | +56 | 178 | 41.7 | 29 |
| Letenye | - | 1.4 | 18.6 | 7 | -11.0 | 14 | -12.0 | 14 | 158 | +84 | 214 | 34.5 | 29 |
| Hárskút | 28 | -0.9 | 15.6 | 7 | -11.5 | 28 | -14.6 | 19 | 72 | - | - | 15.6 | 28 |
| Farkasgyepű | - | 0.8 | 14.0 | 7 | -8.1 | 20 | -10.7 | 19 | 105 | +28 | 136 | 30.0 | 13 |
| Mencshely | 25 | 0.4 | 16.7 | 7 | -11.0 | 19 | -14.2 | 20 | 105 | +35 | 150 | 20.5 | 28 |
| Sümeg | - | 1.2 | 19.4 | 7 | -10.0 | 19 | -11.3 | 19 | 96 | +29 | 143 | 20.2 | 13 |
| Tihany | - | 1.5 | 18.2 | 7 | -7.5 | 26 | -8.5 | 26 | 113 | +54 | 192 | 28.0 | 28 |
| Zirc | - | -0.3 | 15.9 | 7 | -16.7 | 19 | -19.5 | 19 | 110 | +31 | 139 | 20.9 | 28 |
| Fonyód | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Homokszentgyörgy | 27 | 0.7 | 19.6 | 7 | -12.0 | 19 | -13.0 | 19 | 143 | +68 | 191 | 29.6 | 29 |
| Marcali | - | 1.4 | 19.5 | 7 | -10.5 | 26 | -11.0 | 26 | 163 | +91 | 226 | 29.5 | 29 |
| Somogyszob | - | 0.7 | 19.5 | 7 | -12.6 | 19 | -14.5 | 26 | 110 | +38 | 153 | 20.3 | 12 |
| Tab | - | 0.7 | 18.8 | 7 | -13.2 | 19 | -14.0 | 19 | 115 | +51 | 180 | 22.2 | 28 |
| Bábolna | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Esztergom kertváros | - | 1.8 | 18.0 | 7 | -13.0 | 19 | -15.5 | 19 | 70 | +20 | 140 | 19.7 | 13 |
| Kisbér | - | 1.0 | 19.0 | 7 | -14.0 | 19 | -17.0 | 19 | 95 | +32 | 151 | 23.2 | 13 |
| Komárom | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tata | - | 1.6 | 18.2 | 7 | -12.1 | 19 | -13.0 | 19 | 86 | - | - | 22.2 | 28 |
| Alcsútdoboz | - | 0.5 | 18.2 | 7 | -14.4 | 19 | -17.1 | 20 | 76 | +20 | 136 | 18.1 | 13 |
| Dunaújváros Kisapostag | - | 0.8 | 19.4 | 7 | -14.4 | 18 | -15.0 | 18 | 90 | +36 | 167 | 25.3 | 13 |
| Martonvásár | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mór | - | 0.8 | 17.0 | 7 | -13.5 | 19 | -15.0 | 20 | 87 | +20 | 130 | 23.9 | 13 |
| Sárbogárd | - | 1.0 | 16.9 | 7 | -14.0 | 19 | -16.2 | 19 | 92 | +39 | 174 | 40.5 | 13 |
| Székesfehérvár | - | 0.4 | 19.0 | 7 | -16.5 | 26 | -18.0 | 26 | 78 | +24 | 144 | 20.0 | 13 |
| Iregszemcse | 42 | 0.4 | 19.0 | 7 | -13.0 | 18 | -14.0 | 18 | 111 | +53 | 191 | 34.2 | 13 |
| Lengyel | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nagykónyi | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Szekszárd | - | 0.9 | 19.8 | 7 | -11.0 | 26 | -16.0 | 26 | 84 | +28 | 150 | 24.0 | 13 |
| Pécs Árpádtető | - | 0.4 | 18.2 | 7 | -9.8 | 27 | -10.8 | 27 | 127 | +57 | 181 | 27.4 | 13 |
| Mohács | - | 1.6 | 20.5 | 7 | -8.5 | 28 | -9.3 | 28 | 101 | +47 | 187 | 19.9 | 6 |
| Siklós | - | 2.3 | 21.7 | 7 | -11.0 | 28 | -12.0 | 28 | 103 | +44 | 175 | 23.4 | 13 |
| Szigetvár | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Bácsalmás | - | 1.7 | 18.3 | 7 | -10.5 | 18 | -12.0 | 18 | 69 | +16 | 130 | 26.2 | 13 |
| Izsák | - | 1.1 | 19.5 | 7 | -12.0 | 19 | -13.0 | 20 | 85 | +35 | 170 | 26.5 | 13 |
| Kalocsa | 44 | 0.6 | 19.5 | 7 | -16.0 | 19 | -16.5 | 19 | 85 | +35 | 170 | 26.5 | 13 |
| Kecskemét Obszervatórium | 34 | 0.8 | 18.6 | 7 | -12.2 | 20 | -18.0 | 20 | 67 | +19 | 140 | 27.9 | 13 |
| Kiskunfélegyháza | - | 1.7 | 19.8 | 7 | -9.8 | 28 | -11.2 | 28 | 58 | +13 | 129 | 25.4 | 13 |
| Kiskunhalas | - | 1.5 | 20.4 | 7 | -9.8 | 22 | -14.8 | 22 | 61 | +6 | 111 | 20.8 | 13 |
| Kunszentmiklós | - | 0.9 | 18.1 | 7 | -13.9 | 20 | -14.0 | 20 | 87 | +30 | 153 | 28.2 | 13 |
| Tiszakécske | - | 1.7 | 19.8 | 7 | -12.1 | 20 | -12.8 | 20 | 64 | +21 | 149 | 29.2 | 13 |
| Balassagyarmat | - | 1.0 | 14.7 | 7 | -14.9 | 19 | -15.0 | 19 | 86 | +30 | 154 | 20.1 | 6 |
| Romhány | - | 0.5 | 17.0 | 7 | -16.5 | 19 | -18.0 | 19 | 80 | +21 | 136 | 20.5 | 6 |
| Salgótarján | - | - | - | - | - | - | - | - | - | - | - | - | - |

# ELSŐ- ÉS MÁSODOSZTÁLYÚ ÁLLOMÁSOK HAVI ADATAI

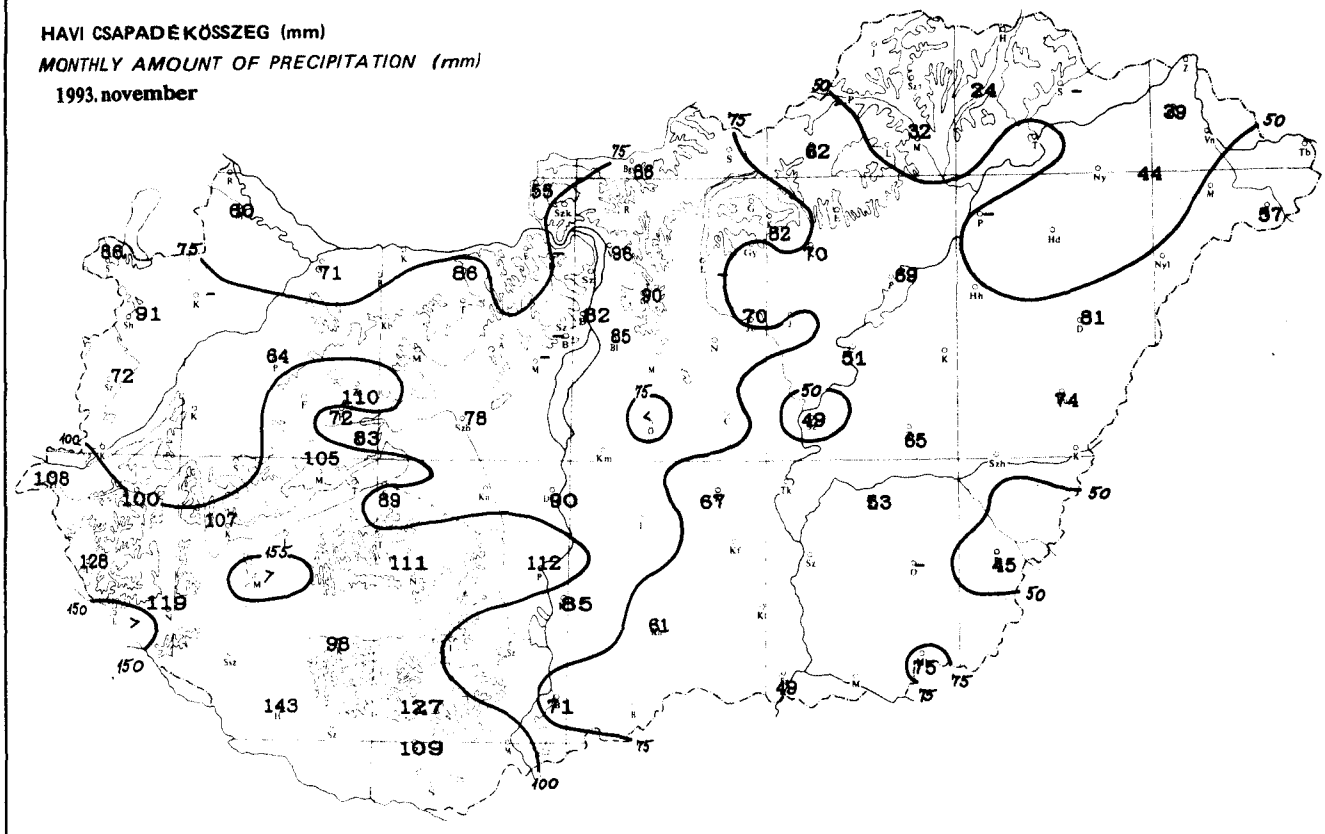
OBSERVATIONS OF FIRST- AND SECOND- CLASS STATIONS
1993. november

| Állomások *Stations* | Napsütés havi összege (óra) *Monthly amount of sunshine (hours)* | Hőmérséklet (°C) – *Temperature (°C)* | | | | | | | Csapadék (mm) – *Precipitation (mm)* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | havi közép *monthly mean* | abszolút maximum *absolute maximum* | dátum – *date* | abszolút minimum *absolute minimum* | dátum – *date* | abszolút radiációs minimum *value of absolute radiation minimum* | dátum – *date* | havi összeg *monthly amount* | eltérés *anomalies* | az átlag %-ában *monthly amount in % of normal values* | napi maximum *daily maximum* | dátum – *date* |
| Budapest Ferihegy | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budaörs | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Krisztinaváros | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Budapest Szabadsághegy | – | 0.3 | 15.4 | 9 | -8.2 | 20 | -11.5 | 20 | 69 | +2 | 103 | 13.2 | 6 |
| Cegléd | – | 0.9 | 19.2 | 7 | -13.0 | 20 | -14.1 | 20 | 76 | +28 | 158 | 20.7 | 13 |
| Dobogókő | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gödöllő | 31 | 0.9 | 16.1 | 7 | -12.5 | 28 | -16.5 | 28 | 90 | +35 | 164 | 18.9 | 13 |
| Szokolya Királyrét | – | 0.2 | 15.9 | 7 | -15.1 | 20 | -19.0 | 19 | 84 | +13 | 118 | 15.0 | 13 |
| Monor | – | 1.4 | 17.6 | 7 | -11.1 | 20 | -11.5 | 20 | 82 | +32 | 164 | 23.2 | 13 |
| Nagykáta | – | 1.3 | 19.5 | 7 | -13.5 | 20 | -14.0 | 20 | 86 | +32 | 159 | 25.7 | 13 |
| Örkény | – | 1.3 | 18.0 | 7 | -14.8 | 20 | -15.1 | 20 | 74 | +23 | 145 | 21.7 | 13 |
| Szentendre | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Vác | – | 1.2 | 16.0 | 7 | -15.4 | 20 | -15.5 | 19 | 96 | +42 | 178 | 28.6 | 13 |
| Vámosmikola | 35 | 1.4 | 17.7 | 7 | -14.1 | 20 | -14.5 | 20 | 55 | +8 | 117 | 12.9 | 6 |
| Eger | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mátraszentimre Galyatető | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Gyöngyös | – | 1.7 | 15.0 | 8 | -13.5 | 19 | -16.0 | 19 | 74 | +28 | 161 | 26.2 | 13 |
| Kompolt | 46 | 1.3 | 15.0 | 7 | -11.8 | 19 | -13.8 | 19 | 70 | +20 | 140 | 19.8 | 13 |
| Lőrinci | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Poroszló | – | 1.4 | 17.5 | 7 | -11.7 | 20 | -13.4 | 20 | 69 | +22 | 147 | 16.1 | 13 |
| Jászapáti | – | 1.7 | 18.6 | 7 | -12.5 | 19 | -14.1 | 19 | 75 | +27 | 156 | 22.8 | 13 |
| Jászberény | – | 1.2 | 16.8 | 7 | -15.5 | 19 | -16.8 | 19 | 70 | +22 | 146 | 18.7 | 13 |
| Karcag | – | 1.2 | 18.2 | 7 | -13.8 | 20 | -14.9 | 20 | 43 | -2 | 96 | 19.0 | 13 |
| Tiszaroff | – | 1.3 | 19.5 | 7 | -12.0 | 19 | -14.0 | 19 | 51 | +6 | 113 | 21.0 | 13 |
| Túrkeve | 34 | 1.6 | 19.9 | 7 | -12.0 | 20 | -14.6 | 20 | 65 | +22 | 151 | 21.1 | 13 |
| Kistelek | – | 1.6 | 20.7 | 7 | -11.3 | 22 | -11.6 | 22 | 54 | +7 | 115 | 25.3 | 13 |
| Makó | – | 2.0 | 21.8 | 7 | -10.8 | 22 | -11.6 | 22 | 54 | +8 | 117 | 22.2 | 13 |
| Szentes | – | 1.8 | 21.0 | 7 | -9.0 | 20 | -11.0 | 28 | 65 | +21 | 148 | 26.7 | 13 |
| Borsodnádasd | – | 0.3 | 14.3 | 7 | -15.7 | 20 | -19.6 | 19 | 62 | +12 | 124 | 20.0 | 9 |
| Fügöd | – | 0.5 | 13.4 | 7 | -13.0 | 20 | -16.4 | 20 | 24 | -18 | 57 | 8.7 | 14 |
| Hidasnémeti | – | 1.0 | 15.0 | 7 | -12.7 | 20 | -13.5 | 20 | 25 | -24 | 51 | 6.1 | 14 |
| Jósvafő | 56 | 1.0 | 11.7 | 2 | -12.5 | 28 | -15.5 | 19 | 37 | -15 | 71 | 17.7 | 6 |
| Miskolc Lillafüred | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Putnok | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Sárospatak | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szendrőlád | – | 0.7 | 15.0 | 7 | -14.5 | 19 | -15.5 | 19 | 37 | -7 | 84 | 12.3 | 14 |
| Tokaj | – | 2.0 | 16.0 | 7 | -8.6 | 29 | -10.0 | 29 | 64 | +15 | 131 | 16.6 | 9 |
| Kisvárda | 44 | 0.9 | 18.4 | 7 | -11.3 | 20 | -12.1 | 20 | 39 | -6 | 87 | 10.0 | 8 |
| Mátészalka | – | 1.7 | 18.5 | 7 | -9.8 | 19 | -10.0 | 19 | 55 | +12 | 128 | 13.6 | 8 |
| Nyírlugos | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Pátyod | – | 0.4 | 16.7 | 8 | -11.6 | 26 | -12.3 | 26 | 57 | +6 | 112 | 17.7 | 8 |
| Tiszabecs | – | 1.8 | 16.5 | 5 | -12.1 | 28 | -14.1 | 19 | 67 | +11 | 120 | 14.4 | 6 |
| Vásárosnamény | – | 2.0 | 18.0 | 7 | -10.8 | 20 | -11.9 | 20 | 47 | +1 | 102 | 9.7 | 8 |
| Záhony | – | 1.9 | 17.5 | 8 | -11.2 | 20 | -11.5 | 20 | 42 | -5 | 89 | 11.5 | 8 |
| Berettyóújfalu | – | 2.4 | 18.0 | 7 | -8.6 | 19 | -8.8 | 19 | 74 | +27 | 157 | 21.2 | 8 |
| Hajdúdorog | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Hortobágy Halastó | – | 0.6 | 17.6 | 7 | -11.3 | 20 | -12.4 | 20 | 50 | +7 | 116 | 9.5 | 13 |
| Nyírmeggyes | – | 2.6 | 19.2 | 7 | -8.4 | 19 | -8.9 | 19 | 52 | +6 | 113 | 12.3 | 13 |
| Polgár | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Mezőhegyes | – | 2.8 | 20.4 | 7 | -7.9 | 22 | -9.5 | 28 | 75 | +30 | 167 | 33.0 | 13 |
| Orosháza | – | – | – | – | – | – | – | – | – | – | – | – | – |
| Szarvas | 32 | 1.8 | 19.9 | 7 | -10.3 | 20 | -14.6 | 20 | 53 | +14 | 136 | 21.4 | 13 |
| Szeghalom | – | 3.1 | 18.7 | 7 | -7.6 | 29 | -8.1 | 28 | 51 | +8 | 119 | 15.7 | 8 |

HAVI CSAPADÉKÖSSZEG (mm)

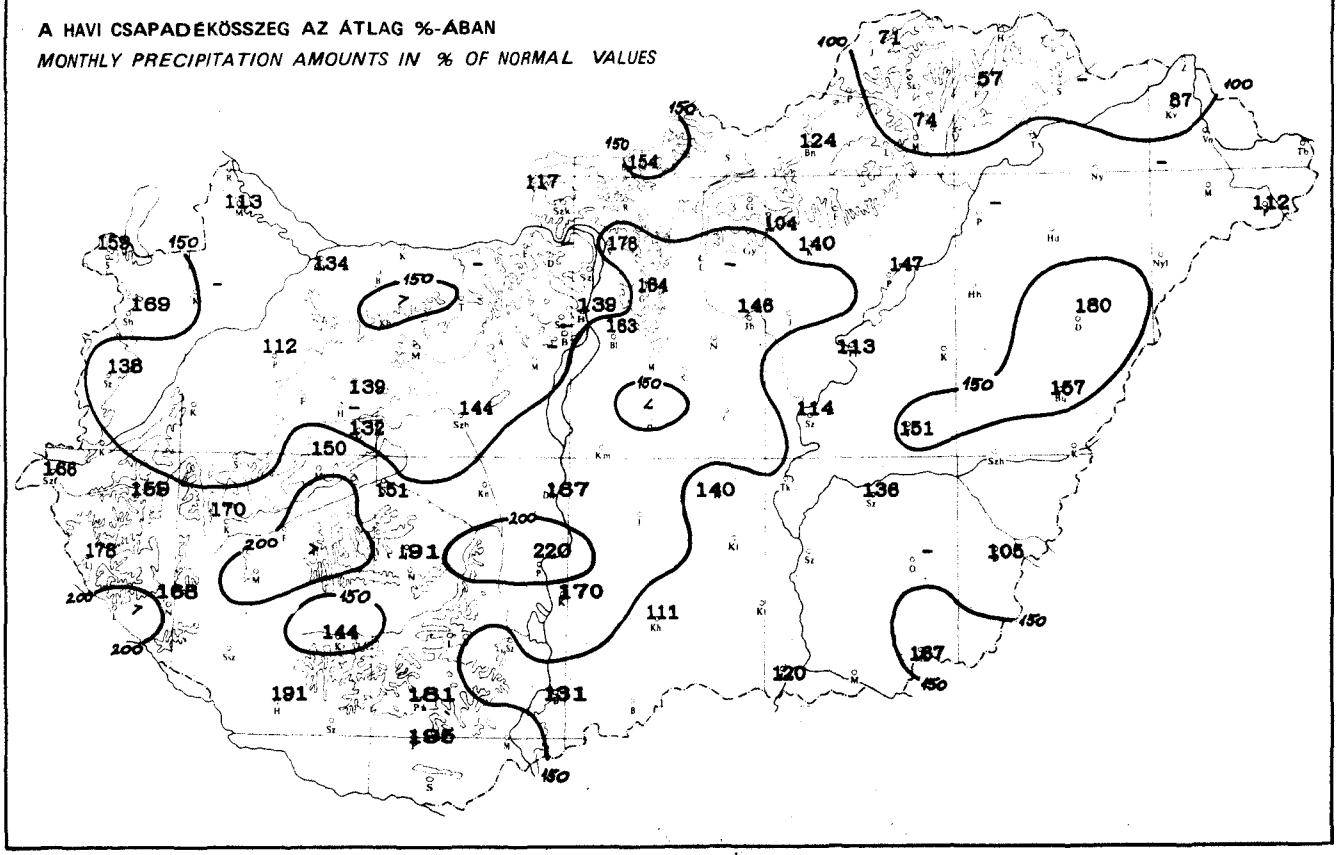
*MONTHLY AMOUNT OF PRECIPITATION (mm)*

**1993. november**



A HAVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN

*MONTHLY PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



Kiadja az Országos Meteorológiai Szolgálat * Kiadásért felel: Dr. Mersich Iván, az Országos Meteorológiai Szolgálat elnöke * Szerkeszti: Éghajlati és Agrometeorológiai Önálló Osztály
* Szerkesztésért felel: Dr. Szalai Sándor osztályvezető * Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája * Felelős vezető: Szinok István * Msz: ---
HU ISSN 0133 – 1582

# IDŐJÁRÁSI HAVIJELENTÉS

ЕЖЕМЕСЯЧНЫЙ МЕТЕОРОЛОГИЧЕСКИЙ БЮЛЛЕТЕНЬ • MONTHLY WEATHER REPORT

BULLETIN MENSUEL DE TEMPS • MONATLICHER WITTERUNGSBERICHT

1993. év ÉVI ÖSSZESITŐ • *ANNUAL SUMMARY* CXXIII. évf. 13. szám

Magyarország területén az 1993. esztendőben az átlagosnál kissé melegebb, az ország nagyobb részén napfényben gazdagabb és csapadékban szegényebb volt az időjárás.

A napfény évi összege 1700 és 2200 óra között váltakozott, ami a sokévi átlag 95-110 %-át érte el. A legtöbb napsütést (2187 óra) Pécs térségében a legkevesebbet (1709 óra) Zalaegerszegen jegyezték fel.

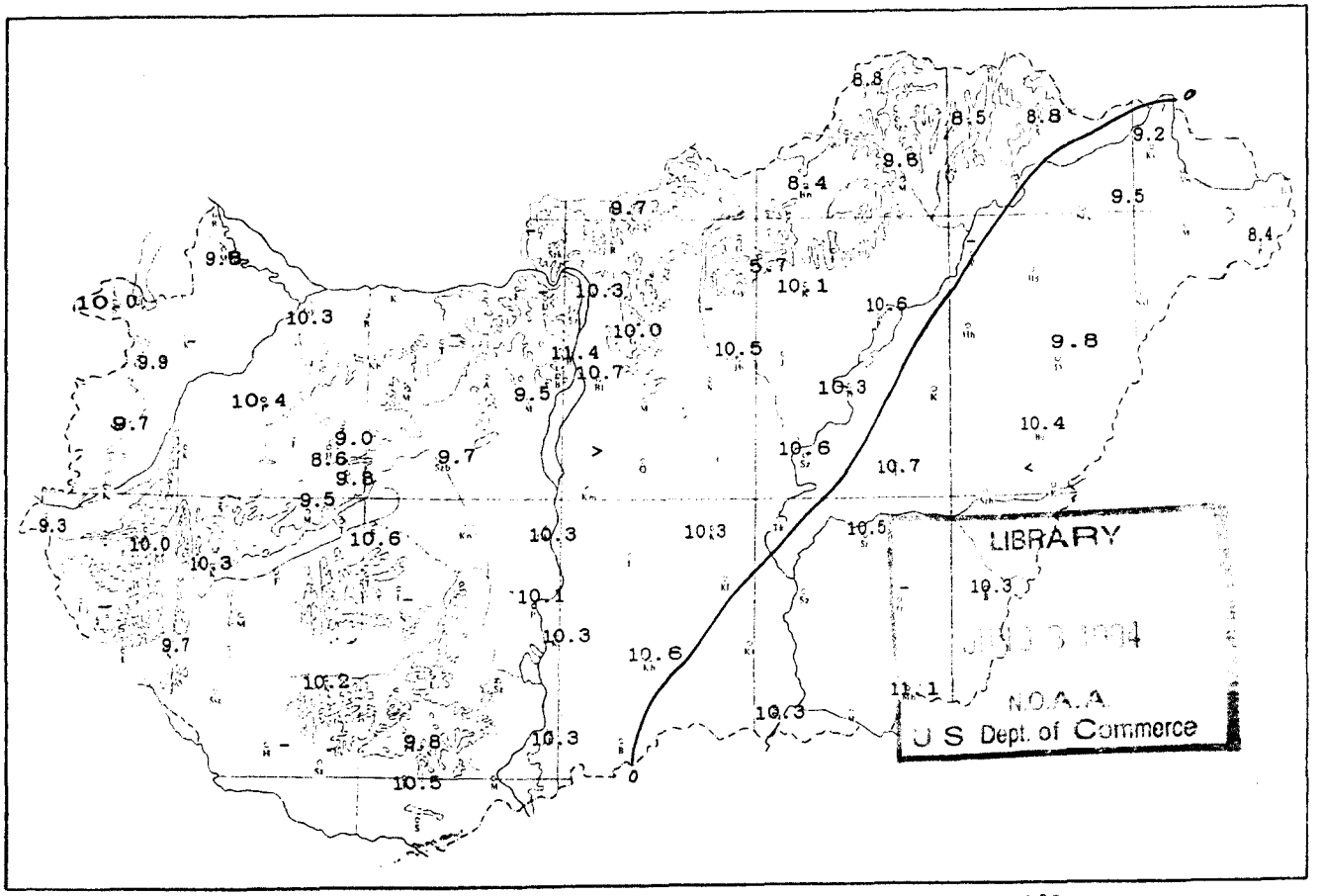
Az évi középhőmérsékletek a síkvidéki állomásokon 9,5°C és 10,6°C között alakultak, a hőmérsékleti anomália (eltérés a sokévi átlagtól) -0,1 és +0,5 fok között váltakozott. Az év leghidegebb hónapja február (az országos havi középértéke -1,9°C), a legmelegebb augusztus (20,9°C) volt. Talán érdekességnek számít, hogy novemberben a havi középhőmérséklet (1,3°C) alacsonyabb volt, mint decemberben (2,2°C). Az évi abszolút maximumhőmérsékletet (38,1°C) augusztus 4-én Vámosmikolán, az abszolút minimumhőmérsékletet (-20,3°C) február 1-én Pakson mérték.

Budapest belterületén az évi középhőmérséklet 11,4°C volt, ami 0,2 fokkal magasabb a sokévi átlagnál.

A csapadék évi mennyisége az ország nagyobb részén az átlagos érték alatt maradt, csak a Dunántúl déli, ill. középső területeire jutott az átlagosnál több csapadék. 1993. tavasza és nyara rendkívül száraz, aszályos volt, az évi csapadék nagyobb hányada inkább az őszi időszakban, ill. decemberben hullott.

A maximális hóvastagságot (80 cm) december 28-án Farkasgyepű környékén jegyezték fel.

A legnagyobb, nagy károkat okozó orkán erősségű szélvihar június 12-én Szegeden tombolt, sebessége elérte a 44,3 m/s-t.




AZ ÉVI KÖZÉPHŐMÉRSÉKLET (számok) ÉS ELTÉRÉSEK AZ ÁTLAGTÓL (izovonalak), °C
THE ANNUAL MEAN TEMPERATURES (CHARACTERS) AND THEIR ANOMALIES (CURVES), °C

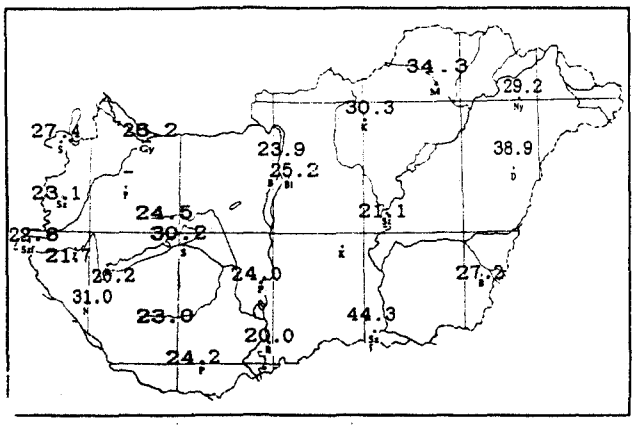
További információk:
Országos Meteorológiai Szolgálat Éghajlati és Agrometeorológiai Önálló Osztály, 1024 Budapest, Kitaibel Pál utca 1. 1525 Pf.: 38. Telefon/Telefax: 135-89-35

# ÉGHAJLATI FŐÁLLOMÁSOK ÉVI ADATAI

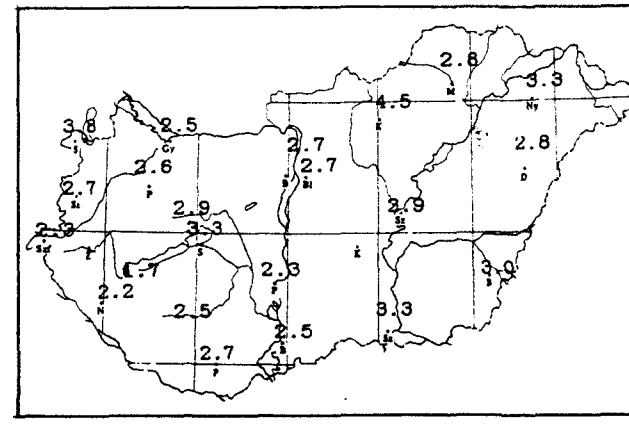
OBSERVATIONS OF MAIN STATIONS
1993.

| Állomások és tengerszint feletti magasságuk (m) *Stations and Their Elevation (m)* | | Napsütés *Sunshine* | | Derült nap — *Clear days* | Borult nap — *Overcast days* | Hőmérséklet (°C) — *Temperature (°C)* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | évi összeg (óra) *annual amounts (hours)* | eltérés (óra) *anomalies (hours)* | | | évi közép *annual mean* | eltérés *anomalies* | abszolút maximum *absolute maximum* | dátum *date* | abszolút minimum *absolute minimum* | dátum *date* | hőségnap max. ⩾ 30°C | nyári nap max. ⩾ 25°C | fagyos nap min. ⩽ 0°C | téli nap max. ⩽ 0°C | zord nap min. ⩽ -10°C | radiációs min. ⩽ 0°C |
| Sopron | 233 | 1964 | - | 39 | 114 | 10.0 | - | 35.2 | 8. 4. | -15.2 | 1.31. | 25 | 78 | 101 | 29 | 7 | 128 |
| Szombathely | 220 | 1787 | -66 | 43 | 94 | 9.7 | +0.5 | 35.4 | 8. 4. | -15.7 | 2. 1. | 23 | 74 | 111 | 27 | 10 | 140 |
| Győr | 115 | 2024 | +108 | 55 | 86 | 10.3 | +0.2 | 35.6 | 8. 5. | -18.0 | 1.31. | 25 | 90 | 104 | 33 | 15 | 123 |
| Pápa | 140 | 1979 | - | 54 | 93 | 10.4 | - | 34.8 | 8. 5. | -16.0 | 1.31. | 17 | 75 | 110 | 31 | 12 | 119 |
| Veszprém | 303 | 1882 | - | 42 | 96 | 9.8 | - | 33.2 | 8. 5. | -15.0 | 1.31. | 16 | 66 | 109 | 38 | 9 | 128 |
| Keszthely | 115 | 1940 | -45 | 56 | 105 | 10.3 | +0.1 | 34.8 | 8. 5. | -13.2 | 1. 5. | 26 | 88 | 106 | 29 | 6 | 128 |
| Siófok | 107 | 2014 | - | 65 | 84 | 10.6 | - | 34.0 | 8.15. | -13.0 | 1.31. | 18 | 84 | 99 | 31 | 7 | 117 |
| Kaposvár | 144 | 2035 | - | 67 | 85 | 10.2 | - | 35.2 | 8. 5. | -17.1 | 1.31. | 30 | 92 | 115 | 31 | 13 | 135 |
| Zalaegerszeg | 178 | 1709 | - | 42 | 141 | 10.0 | - | 36.0 | 8. 5. | -15.2 | 1. 5. | 24 | 80 | 118 | 34 | 15 | 134 |
| Szentgotthárd | 312 | 1838 | - | 68 | 91 | 9.3 | - | 34.3 | 8. 4. | -13.0 | 1. 5. | 15 | 63 | 117 | 32 | 8 | 143 |
| Nagykanizsa | 140 | 1878 | - | 62 | 96 | 9.7 | - | 35.5 | 8. 4. | -17.8 | 1. 5. | 29 | 86 | 119 | 32 | 14 | 138 |
| Pécs | 124 | 2187 | +126 | 72 | 93 | 10.5 | +0.1 | 34.6 | 8.22. | -14.4 | 1. 6. | 27 | 85 | 101 | 35 | 10 | 126 |
| Budapest | 145 | 2092 | +163 | 48 | 90 | 11.4 | +0.2 | 35.0 | 8. 5. | -9.7 | 1. 2. | 28 | 89 | 80 | 17 | 0 | 82 |
| Budapest | 138 | 2118 | +185 | 44 | 102 | 10.7 | +0.3 | 35.0 | 8.22. | -14.8 | 2. 1. | 26 | 94 | 101 | 27 | 6 | 132 |
| Paks | 97 | 2054 | - | 78 | 83 | 10.1 | - | 35.7 | 8.22. | -20.3 | 2. 1. | 37 | 107 | 129 | 30 | 21 | 134 |
| Baja | 112 | 2113 | - | 66 | 87 | 10.3 | - | 36.2 | 8.23. | -19.8 | 1.31. | 32 | 104 | 119 | 34 | 22 | 139 |
| Szeged | 81 | 2002 | -23 | 55 | 87 | 10.3 | -0.2 | 36.3 | 8.23. | -17.3 | 1. 6. | 41 | 104 | 119 | 38 | 15 | 136 |
| Szolnok | 84 | 2080 | - | 51 | 83 | 10.6 | - | 35.8 | 8.22. | -14.0 | 1. 6. | 37 | 100 | 113 | 35 | 9 | 127 |
| Kékestető | 1010 | 2119 | +124 | 59 | 82 | 5.7 | +0.3 | 27.6 | 8. 5. | -18.3 | 1. 2. | 0 | 8 | 136 | 80 | 19 | 146 |
| Miskolc | 232 | 1972 | +205 | 62 | 102 | 9.6 | +0.4 | 34.3 | 8. 5. | -14.0 | 1. 2. | 18 | 71 | 114 | 38 | 10 | 127 |
| Nyíregyháza | 150 | 1968 | - | 58 | 102 | 9.5 | - | 33.0 | 8.22. | -14.4 | 1. 2. | 15 | 78 | 113 | 39 | 10 | 131 |
| Debrecen | 111 | 2025 | +43 | 54 | 106 | 9.8 | -0.1 | 34.0 | 8.22. | -15.6 | 1. 5. | 18 | 92 | 114 | 35 | 12 | 130 |
| Békéscsaba | 87 | 2181 | - | 58 | 96 | 10.3 | - | 35.4 | 7.20. | -16.7 | 1.31. | 32 | 97 | 118 | 35 | 16 | 125 |

**MAXIMÁLIS SZÉLLÖKÉS (m/s)**
*MAXIMUM WIND SPEED (m/s)*




**ÁTLAGOS SZÉLSEBESSÉG (m/s)**
*MEAN WIND SPEED (m/s)*



In 1993 over the territory of Hungary the weather was milder than average; it was richer in sunshine and poorer in precipitation than average.

The total sunshine duration reached 1700 and 2200 hours, being 95-110 per cent of the average. The highest sunshine duration (2187 hours) was observed at Pécs, while the lowest one (1709 hours) occurred at Zalaegerszeg.

The annual mean temperature on the lowland stations varied between 9.5 °C and 10.6 °C, the temperature anomaly varied between -0.1 and +0.5 °C. The coldest month of the year was February (monthly mean temperature of -1.9 °C), while the warmest month was August (20.9 °C). It might be interesting that the monthly mean temperature in November (1.3 °C) was lower than in December (2.2 °C). The annual absolute maximum temperature (38.1 °C) was measured on 4 August at Vámosmikola, while the absolute minimum temperature (-20.3 °C) was recorded on 1 February at Paks. In the inner part of Budapest, the annual mean temperature was 11.4 °C being above average by 0.2 °C.

The annual precipitation amount remained below average in most part of Hungary. It was above average only in the southern and central part of Transdanubia. The spring and the summer in 1993 was extraordinary dry and droughty, the precipitation was characteristic in the autumn period, and especially in December.

The maximum precipitation amount (858 mm) was recorded at Pécs Árpádtetô, while the lowest one (324 mm) at Szolnok. In the inner part of Budapest, the precipitation amount was 506 mm (90 per cent of the average).

The maximum snow depth (80 cm) was recorded on 28 December at Farkasgyepü.

The strongest wind gust of 44.3 m/s was recorded on 12 June at Szeged.

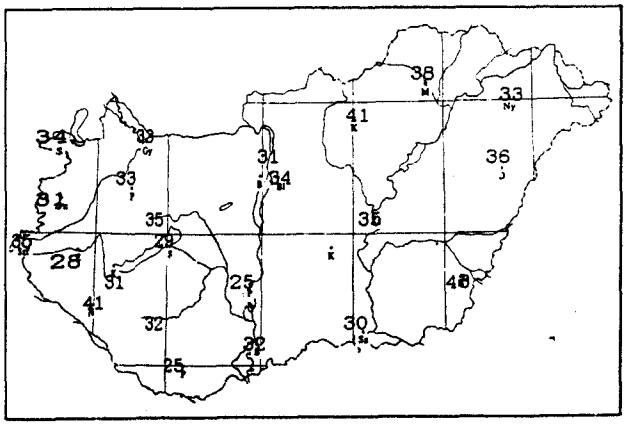
# ÉGHAJLATI FŐÁLLOMÁSOK ÉVI ADATAI

## OBSERVATIONS OF MAIN STATIONS

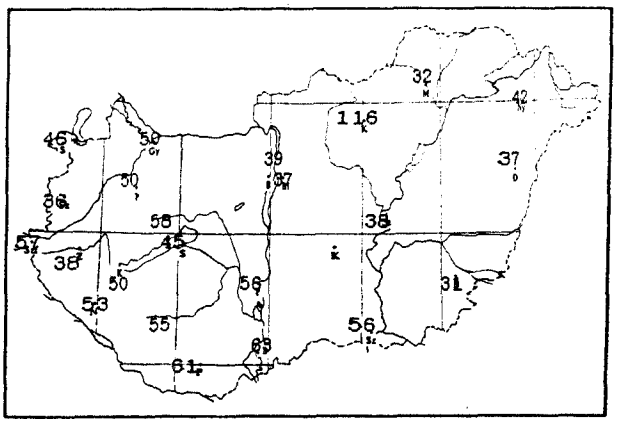
## 1993.

| Légnedvesség – *Humidity* | | | | Szél – *Wind* | | | | Csapadék (mm) – *Precipitation (mm)* | | | | | | | | Napok száma – *Number of days* | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | napok száma *number of days* | | | | | | | | | napok száma *number of days* | | | | | | | | |
| páranyomás (hPa) *vapour pressure (hPa)* | évi közép – *annual mean (%)* | minimum (%) | dátum *date* | maximum ⩽ 2 m/s | maximum ⩾ 10 m/s | maximum ⩾ 15 m/s | maximum ⩾ 20 m/s | évi összeg *annual amount* | eltérés *anomalies* | az átlag %-ában *annual amount in % of normal values* | napi maximum *daily maximum* | dátum *date* | ⩾ 0,1 mm | ⩾ 1,0 mm | ⩾ 5,0 mm | ⩾ 10,0 mm | zivatar – *storm* | jégeső – *hail* | havazás – *snow* | hótakaró – *snow cover* | köd – *fog* látás ⩽ 200 m – *visibility ⩽ 200 m* |
| 10.3 | 76 | 34 | 4.24. | 0 | 262 | 116 | 32 | 638 | -4 | 99 | 26.9 | 7.05. | 154 | 99 | 49 | 19 | 34 | 0 | 35 | 46 | 27 |
| 9.7 | 75 | 22 | 8.16. | 1 | 143 | 42 | 8 | 502 | -109 | 82 | 20.0 | 9.29. | 130 | 91 | 38 | 13 | 31 | 1 | 25 | 36 | 18 |
| 9.6 | 72 | 23 | 4.25. | 4 | 158 | 36 | 4 | 529 | +0 | 100 | 33.4 | 10. 3. | 143 | 84 | 33 | 15 | 33 | 0 | 34 | 50 | 17 |
| 9.9 | 72 | 33 | 5.12. | - | - | - | - | 506 | -77 | 87 | 21.8 | 6. 3. | 129 | 88 | 35 | 11 | 33 | 0 | 31 | 50 | 22 |
| 9.6 | 74 | 24 | 8.15. | 3 | 159 | 49 | 13 | 554 | -77 | 88 | 38.2 | 10. 3. | 119 | 88 | 33 | 19 | 35 | 0 | 35 | 56 | 33 |
| 10.7 | 78 | 35 | 5.13. | 11 | 44 | 6 | 1 | 675 | +33 | 105 | 36.6 | 10. 3. | 135 | 89 | 41 | 18 | 31 | 0 | 37 | 50 | 21 |
| 10.4 | 74 | 30 | 4.21. | 0 | 213 | 105 | 26 | 512 | -65 | 89 | 25.4 | 5. 5. | 124 | 86 | 32 | 11 | 29 | 1 | 33 | 45 | 19 |
| 9.4 | 71 | 26 | 8.15. | 0 | 153 | 39 | 6 | 637 | -57 | 92 | 36.2 | 12.21. | 136 | 89 | 43 | 15 | 32 | 0 | 43 | 55 | 22 |
| 9.8 | 75 | 24 | 5.12. | 1 | 74 | 16 | 1 | 541 | -164 | 77 | 32.0 | 12.26. | 131 | 83 | 36 | 14 | 28 | 1 | 28 | 38 | 14 |
| 9.0 | 72 | 24 | 5.12. | 6 | 104 | 33 | 5 | 678 | -80 | 89 | 30.2 | 11.29. | 117 | 85 | 44 | 27 | 35 | 3 | 25 | 57 | 15 |
| 10.1 | 78 | 32 | 8.16. | 1 | 148 | 42 | 10 | 786 | +60 | 108 | 66.7 | 7.18. | 158 | 89 | 49 | 23 | 41 | 5 | 41 | 53 | 24 |
| 9.3 | 70 | 19 | 8. 5. | 2 | 144 | 44 | 5 | 675 | +55 | 109 | 41.4 | 12.21. | 138 | 99 | 39 | 20 | 25 | 2 | 39 | 61 | 16 |
| 8.9 | 63 | 12 | 7.20. | 0 | 181 | 52 | 8 | 506 | -56 | 90 | 50.9 | 10. 3. | 128 | 79 | 31 | 10 | 31 | 1 | 35 | 39 | 10 |
| 8.8 | 66 | 17 | 5.12. | 0 | 177 | 41 | 6 | 473 | -42 | 92 | 39.0 | 10. 3. | 131 | 72 | 29 | 12 | 34 | 0 | 33 | 37 | 25 |
| 9.5 | 73 | 19 | 5.13. | 0 | 105 | 23 | 1 | 599 | +41 | 107 | 30.7 | 11.13. | 133 | 84 | 37 | 19 | 25 | 1 | 35 | 56 | 21 |
| 9.5 | 72 | 22 | 4.21. | 0 | 102 | 14 | 2 | 579 | -3 | 99 | 32.8 | 12.21. | 138 | 80 | 34 | 15 | 32 | 1 | 32 | 63 | 24 |
| 9.4 | 71 | 23 | 8. 5. | 0 | 183 | 50 | 16 | 406 | -86 | 83 | 28.3 | 6.12. | 117 | 75 | 20 | 11 | 30 | 2 | 30 | 56 | 34 |
| 9.3 | 70 | 20 | 5.10. | 3 | 115 | 17 | 2 | 325 | -173 | 65 | 18.2 | 11.13. | 128 | 68 | 20 | 8 | 35 | 0 | 37 | 38 | 31 |
| 7.1 | 73 | 11 | 2. 1. | 0 | 249 | 107 | 24 | 635 | -204 | 76 | 56.4 | 10. 3. | 156 | 103 | 35 | 15 | 41 | 4 | 63 | 116 | 122 |
| 9.4 | 72 | 35 | 6.25. | 0 | 171 | 53 | 15 | 366 | -188 | 66 | 25.7 | 6.28. | 118 | 69 | 25 | 6 | 38 | 1 | 22 | 32 | 57 |
| 9.1 | 72 | 22 | 4.26. | 0 | 166 | 50 | 8 | 425 | - | - | 22.4 | 7.22. | 127 | 79 | 29 | 10 | 33 | 1 | 28 | 42 | 34 |
| 9.3 | 72 | 28 | 9.25. | 0 | 191 | 74 | 17 | 513 | -52 | 91 | 23.7 | 6.28. | 131 | 96 | 32 | 15 | 36 | 1 | 38 | 37 | 27 |
| 9.6 | 73 | 19 | 5.12. | 0 | 131 | 24 | 6 | 407 | -153 | 73 | 20.2 | 8.10. | 128 | 77 | 27 | 11 | 43 | 2 | 32 | 31 | 29 |

**ZIVATAROS NAPOK SZÁMA**
*NUMBER OF DAYS WITH STORM*

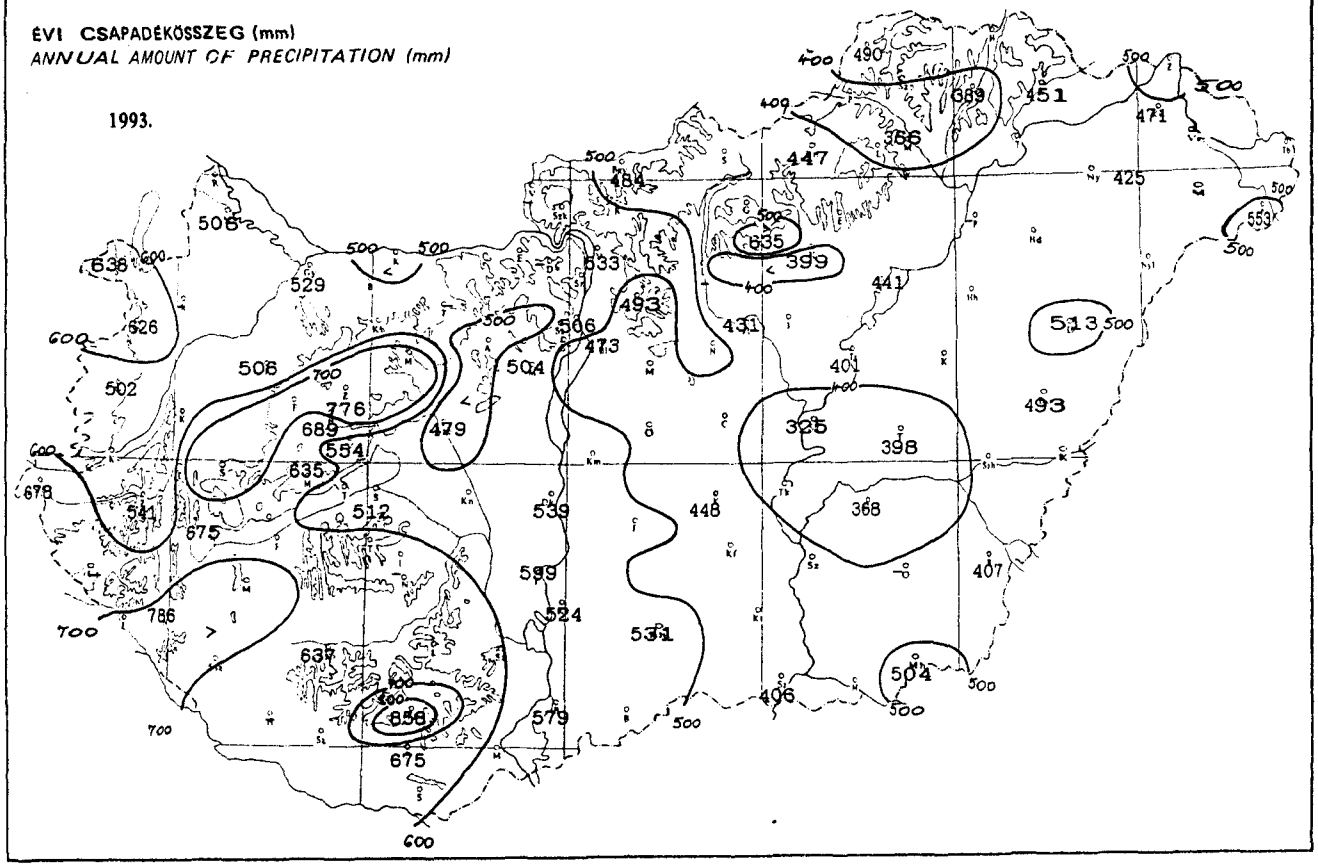



**HÓTAKARÓS NAPOK SZÁMA**
*NUMBER OF DAYS WITH SNOW COVER*

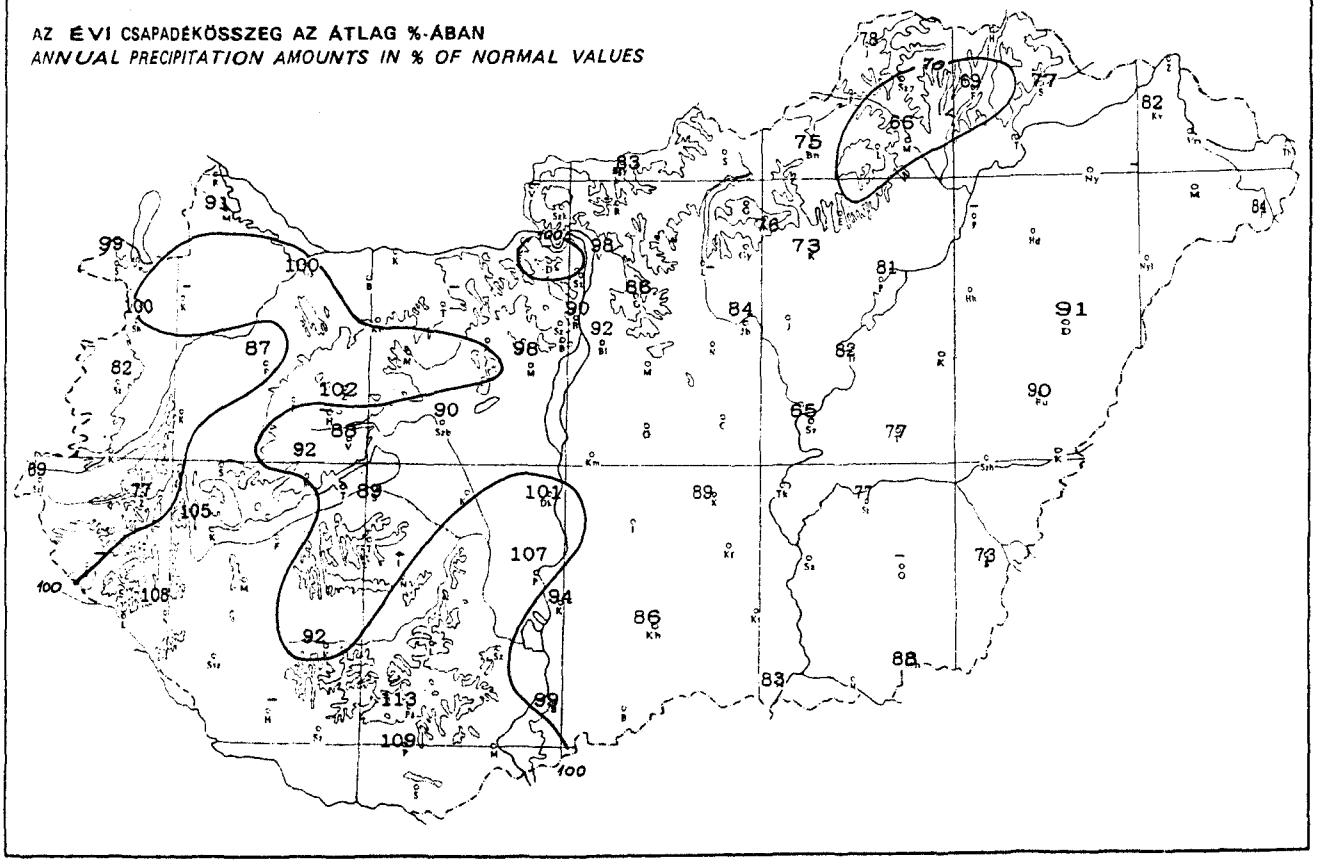


ÉVI CSAPADÉKÖSSZEG (mm)
*ANNUAL AMOUNT OF PRECIPITATION (mm)*

1993.



AZ ÉVI CSAPADÉKÖSSZEG AZ ÁTLAG %-ÁBAN
*ANNUAL PRECIPITATION AMOUNTS IN % OF NORMAL VALUES*



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• Szerkesztésért felel: Dr. Szalai Sándor osztályvezető • Sokszorosítja az Országos Meteorológiai Szolgálat Házinyomdája • Felelős vezető: Szinok István • Msz: 94-058
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