4-1960

The climate of Iowa: soil temperatures at Ames

C. R. Elford
Iowa State University

R. H. Shaw
Iowa State University

Follow this and additional works at: http://lib.dr.iastate.edu/specialreports

Part of the Agriculture Commons, and the Soil Science Commons

Recommended Citation
http://lib.dr.iastate.edu/specialreports/18

This Book is brought to you for free and open access by the Iowa Agricultural and Home Economics Experiment Station Publications at Iowa State University Digital Repository. It has been accepted for inclusion in Special Report by an authorized administrator of Iowa State University Digital Repository. For more information, please contact digirep@iastate.edu.
THE CLIMATE OF IOWA

Soil Temperatures at Ames

by C. R. Elford and R. H. Shaw

Department of Agronomy

and the

Weather Bureau, United States Department of Commerce,

cooperating

Special Report No. 24

Agricultural and Home Economics Experiment Station

Iowa State University of Science and Technology

Ames, Iowa—April 1960
CONTENTS

Introduction ........................................... 3
The observations ..................................... 3
The patterns of soil temperatures ................. 3
    Relation of 7 a.m., noon and 7 p.m. soil temperatures to maximum, minimum and average soil temperatures at the same depth ........ 3
Frequency distributions of soil temperature ... 6
Monthly mean temperatures ......................... 7
Microclimatic soil temperature information ...... 7
Literature cited ..................................... 7
Tables of frequency distributions of soil temperatures ............................................. 8
Average monthly and annual soil temperatures 67
The Climate of Iowa

II. SOIL TEMPERATURES AT AMES

by C. R. Elford and R. H. Shaw

The soil temperature observations summarized in this publication have been made possible through the cooperation of Iowa State University, the Iowa Department of Agriculture and the Weather Bureau, United States Department of Commerce. These observations constitute the only soil temperature record in Iowa of any appreciable length. Soil temperature measurements, however, have recently been initiated at Saratoga, Spencer, Council Bluffs and Burlington and are published currently by the United States Weather Bureau in the Climatological Data of Iowa (7).

THE OBSERVATIONS

The thermometers used for the basic observations are mercury-in-glass instruments. The glass tube is protected by a wooden case measuring about 1½" in diameter. The thermometer is set in the ground vertically, with the bulb at the depth desired. The scale portion of the thermometer tube is a few inches above ground and is exposed for the reading where a portion of the wooden case has been removed. When exposed at the designed depth, no stem emergence correction is necessary. The scale is graduated in degrees Fahrenheit.

The site is a fairly level, open area at the Iowa State University Agronomy Farm, about 3 miles southwest of Ames. Most of the site is covered with sod, which is kept mowed during the summer. The soil thermometers are within a wire fence, which also encloses other meteorological equipment. The thermometers are set in Webster silty clay loam where the sod has been removed from the ground surface for an area around the thermometers of approximately 4 x 8½ feet so that the readings represent an area which is not covered by a crop. The bare ground is kept cultivated to a depth of 2 inches. The exposure site is shown in fig. 1.

The thermometers were first installed on July 1, 1937, to measure temperatures at depths of 1, 6, 12, 48 and 72 inches. Observations were made at 7 a.m., noon and 7 p.m., Central Standard Time, on all but the 48- and 72-inch thermometers which were read only once each day (7 p.m.); between Feb. 9, 1942, and Sept. 29, 1945, however, the readings were made at 6 a.m., 11 a.m. and 6 p.m., Central Standard Time, because of the adoption of "War Time."

On April 1, 1946, another thermometer was added at a depth of 2½ inches. This was the average of the estimates made of corn planting depths by various members of the agronomy staff. On Nov. 1, 1949, the thermometers were reset to provide readings at depths of 10, 20, 50 and 100 centimeters, established by the World Meteorological Organization. These depths (plus some desired locally) provide readings at 1, 2½, 4, 8, 20, 40 and 72 inches.

A soil thermograph also was operated from June 25, 1937, through March 18, 1946, to record temperatures at the 6-inch depth. From Oct. 2, 1950, to date it has been used to record temperatures at 2½ inches. No data from the thermograph have been summarized for this report.

THE PATTERNS OF SOIL TEMPERATURES

The purpose of these tabulations is to make the soil temperature data accumulated at Ames as useful as possible to persons who may have occasion to refer to them. To avoid confounding the data, we have separated the data for the 1- and 6-inch depths according to the times they were taken; i.e., the 1942 to 1945 data are in separate tables and figures. They have been combined, however, at the greater depths where the diurnal range is so slight that a 1-hour change in time of measurement makes an insignificant difference. All data through Dec. 31, 1956, have been summarized.

In using soil temperature information of this type, it is important to know what the observations mean in terms of daily maximum and minimum temperatures. Since movement of heat into the soil is accomplished largely by conduction, there is a necessarily increasing lag in the time of maximum and minimum temperatures with depth. On the average, the maximum and minimum temperatures would be expected to occur at about the times indicated in table 1 (Shaw, 5).

On cloudy days, the fluctuation in temperature during the day is much smaller than on a clear day. In the following section general comparisons will be made for clear days; on cloudy days the pattern would be similar, but the range would be less.

Relation of 7 a.m., noon and 7 p.m. soil temperatures to maximum, minimum and average soil temperatures at the same depth.

In most cases, those persons using soil temperatures are interested in the maximum, the minimum or the daily average. Unfortunately, in the observations presented here, these values are not always measured.

1Project 1280 of the Iowa Agricultural and Home Economics Experiment Station, Ames, Iowa. Acknowledgment is made to Mr. C. N. Brown, Cooperative Observer, who has taken most of the observations used here, and Robert F. Dale, Area Climatologist, U. S. Weather Bureau, for assistance in editing and preparation of final manuscript.
2Formerly State Climatologist, U. S. Weather Bureau, Des Moines, Iowa, now State Climatologist, U. S. Weather Bureau, San Francisco, California; and Professor of Agricultural Climatology, Iowa State University, respectively.
at the times the observations were taken, but generally these data can be used to estimate the particular temperature of interest.

At the 1-inch depth, the noon temperature is very close to the daily maximum temperature, and the 7 a.m. and 6 a.m. temperatures are close to the daily

<table>
<thead>
<tr>
<th>Depth in inches</th>
<th>Time of occurrence (Central Standard Time)</th>
<th>Maximum</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Noon-2 p.m.</td>
<td>1 hour after sunrise</td>
<td>7 a.m.</td>
</tr>
<tr>
<td>2</td>
<td>2-4 p.m.</td>
<td>2 hours after sunrise</td>
<td>6 a.m.</td>
</tr>
<tr>
<td>4</td>
<td>4-6 p.m.</td>
<td>3-4 hours after sunrise</td>
<td>5-7 a.m.</td>
</tr>
<tr>
<td>6</td>
<td>6-8 p.m.</td>
<td>4-5 hours after sunrise</td>
<td>6-8 a.m.</td>
</tr>
<tr>
<td>8</td>
<td>10-11 p.m.</td>
<td>7-8 hours after sunrise</td>
<td>11 a.m.</td>
</tr>
<tr>
<td>12</td>
<td>Little daily fluctuation</td>
<td>10-11 p.m.</td>
<td>10-11 a.m.</td>
</tr>
<tr>
<td>20</td>
<td>Little daily fluctuation</td>
<td>7-8 hours after sunrise</td>
<td>7-8 a.m.</td>
</tr>
<tr>
<td>24</td>
<td>Little daily fluctuation</td>
<td>10-11 p.m.</td>
<td>10-11 a.m.</td>
</tr>
<tr>
<td>40</td>
<td>Little daily fluctuation</td>
<td>7-8 hours after sunrise</td>
<td>7-8 a.m.</td>
</tr>
<tr>
<td>48</td>
<td>Little daily fluctuation</td>
<td>7-8 hours after sunrise</td>
<td>7-8 a.m.</td>
</tr>
<tr>
<td>72</td>
<td>Little daily fluctuation</td>
<td>10-11 p.m.</td>
<td>10-11 a.m.</td>
</tr>
</tbody>
</table>

At 4 inches the 7 a.m. reading is within a few degrees of the minimum temperature, and the 7 p.m. reading is slightly below the maximum temperature. The noon temperature alone is a good measure of the average daily temperature.

The daily temperature fluctuation at 8 inches is only 10 degrees or less on clear summer days. The 7 a.m. temperature overestimates the minimum temperature.
which occurs 4 to 5 hours after sunrise. Since the temperature change is small, however, it can be used to estimate the minimum temperature—particularly in the summertime when sunrise is very early. The maximum temperature occurs around 7 p.m. The noon temperature underestimates the average temperature by a slight amount on most days.

In the summertime the noon temperature at 12 inches is a good estimate of the minimum temperature at that depth. The 7 p.m. temperature underestimates the maximum temperature. An average of all three temperatures would not be far different from the average temperature. At this depth, however, the daily temperature fluctuation is only a few degrees from maximum to minimum.

At 20, 24, 40, 48 and 72 inches the daily temperature fluctuation is almost nonexistent, and the 7 p.m. temperature, or a temperature measured at any other time, can be used.

In fig. 2, the yearly pattern of the average 7 a.m., noon and 7 p.m. temperatures for the different depths is shown. These represent smoothed, eye-fit curves. The week numbers shown just below the month heading are for the climatological year (table 2). For this purpose, the year starts on March 1 and ends on Feb. 28 or 29. The lines shown on the graph connect points of equal temperature both for depth (vertical axis) and time of year (horizontal axis).

Figure 2. The annual pattern of 7 a.m., noon and 7 p.m. soil temperatures at Ames. Lines shown connect points of constant temperature at different depths (vertical axis) and different times (horizontal axis).
FREQUENCY DISTRIBUTIONS OF SOIL TEMPERATURE

The frequency distributions for each depth, each time of day and each week of the year are given in the frequency distribution tables which follow the text. Temperature values are combined into 2-degree intervals, except for 32°F., which is set apart.

There are two values shown in each box. The first is an actual count of the number of times that the indicated temperature value was observed within that week. The second figure indicates the same value converted to a rounded percentage of the total number of observations within that week. The mean weekly temperature also is tabulated in the bottom row of the tables.

Appearing with each of the frequency distribution tables is a graph of the observed temperatures. The upper and lower irregular lines indicate the highest and lowest temperatures observed each week at the depth during the period of record. The graphs of temperatures at shallow depths show a center shaded area inside of these lines of extreme value which is bounded by smoothed curves. These smoothed curves are drawn through the 25 percent and 75 percent probability values of temperature. The area between the shaded zone and the upper line of extreme value indicates the range of the upper 25 percent of the temperature readings. The area between the shaded zone and the lower line of extreme value indicates the range of the lower 25 percent of the temperature readings. The shaded area represents the middle 50 percent of the temperature readings.

Each week. At greater depths where the range of temperature is less, the graphs show only the extreme values and a smoothed value of the median. Because of their narrowness, the indication of the 25 percent intervals is omitted in these graphs. The months are shown across the top, and the climatological week numbers from 1 through 52 are shown on the bottom of the graphs. On many of these graphs, a concentration of values at 32°F. is noted. The cause of this concentration is that as the soil cools it reaches 32°F. and begins freezing, but it does not go below 32°F. until the soil is completely frozen at that depth. Upon thawing, the same situation is true—the soil remains at a temperature of 32°F. until it is completely thawed and then rises in temperature.

To show how these tables and figures can be used, here are two practical problems:

(1) When should ammonium fertilizer be applied in the fall? When the soil temperature drops below 50°F. there is little oxidation of ammonium to nitrate, and it is less subject to leaching (4). Also late in the fall there is less chance of heavy rains to cause this leaching. Does a cold spell in early October mean that the soil has cooled enough so that fertilizer application should be made? Since this fertilizer is plowed down, we will use the 4-inch temperature to estimate the temperature of the layer where the fertilizer is present. The noon temperature gives a good estimate of the average daily temperature in this layer.

If you look at the table on page 29 you can see that the first occurrence of a temperature of 49-50°F. or lower in the fall has been in week 32 (Oct. 4-10). This can also be seen in the figure of this table by looking at the lowest line (minimum temperature reported). This indicates that such an early cool spell has happened before but is not a common occurrence. If we are going to use soil temperature information to determine fertilizer application dates, we must select some acceptable risk—in this case, the risk of leaching. In this case, for illustrative purposes, we will select two risks:

(a) when there is a 50 percent chance of temperatures above 50.

(b) when there is a 25 percent chance of temperatures above 50.

The simplest way to obtain these dates is to refer to the figure on page 29. The date when a 50 percent chance occurs is the date at which the center (50 percent) line crosses the 50°F. line. This is in week 35 (Oct. 25-31). A 25 percent chance occurs when the 25 percent line (upper smooth line) crosses the 50°F. line. This occurs at the end of week 36 (Nov. 1-7). In other words, over the years there is a 50 percent chance that the average 4-inch temperature will get above 50°F. during week 35, and a 25 percent chance by the end of week 36. Current forecasts must also be taken into consideration because they may indicate important changes in the present weather.
Another example is that of a contractor who wants to start work in the spring as soon as there is a low probability of a 32° F. temperature in the soil. Certain phases of his construction operation will be damaged if soil freezing occurs. A late spring freeze, after the ground is thawed, will freeze to only a shallow depth; so we will consider the 1-inch depth as representative. The lowest temperature occurs in the morning, so for this problem we will use the 7 a.m. record. The construction work which would be damaged by a freeze can be protected, but it is expensive. The contractor has decided he will take a 1 in 10 chance (i.e., a 10 percent chance of a freeze). We cannot get this from the figure on page 9 because it gives the extreme value and the 25 percent value. We can go to the table, however, and add the probability of getting 32° F. or lower for individual weeks. In week 5, this is 33 percent (19 + 9 +3 +2 from the last column of week 5). It has changed to 10 percent in week 6, 12 percent in week 7 and 2 percent in week 8. This irregularity from trend is caused by variation in the data because of the relatively short period of record. Week 8 seems to be the start of the safe period, but the contractor might begin in weeks 6 or 7, using a short range weather forecast as a planning aid, if it is favorable.

MONTHLY MEAN TEMPERATURES

The original data for the most part have been published in the Climatological Data for Iowa (7). The monthly means for each month, time of day and depth are given in the table on pages 67-70. The average temperature for any particular month within any year of record can be found in these tables.

MICROCLIMATIC SOIL TEMPERATURE INFORMATION

The shape, texture and moisture content of the land surface are particularly important in determining soil temperature. The following literature citations give additional information and references on the microclimatic features of soil temperatures: Denisen et al. (1), Geiger (2), Hamid et al. (3), Shaw (5), Shaw et al. (6) and van Wijk (8).

LITERATURE CITED

7. U. S. Weather Bureau Climatological Data, Iowa.
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

#### 1-Inch Depth

**7:00 a.m. CST, July 1, 1937—Feb. 8, 1942**

**7:00 a.m. CST, Sept. 30, 1945—Dec. 31, 1956**

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Days</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Temp.</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>Mean</td>
<td>28.8</td>
<td>29.5</td>
<td>30.2</td>
<td>30.8</td>
<td>31.5</td>
<td>32.2</td>
</tr>
<tr>
<td><em>Less than 15</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Month</td>
<td>September</td>
<td>October</td>
<td>November</td>
<td>December</td>
<td>January</td>
<td>February</td>
</tr>
<tr>
<td>-------</td>
<td>-----------</td>
<td>---------</td>
<td>----------</td>
<td>----------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>Week</td>
<td>28-29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>Temp</td>
<td>105.4</td>
<td>103.4</td>
<td>99.8</td>
<td>100.1</td>
<td>101.2</td>
<td>102.1</td>
</tr>
<tr>
<td>Mean</td>
<td>61.9</td>
<td>59.8</td>
<td>55.4</td>
<td>55.1</td>
<td>55.7</td>
<td>56.5</td>
</tr>
</tbody>
</table>

* Less than 16
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

**1-Inch Depth**

6:00 a.m. CST, Feb. 9, 1942—Sept. 29, 1945

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Week No.</strong></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Days</td>
<td>5</td>
<td>8</td>
<td>11</td>
<td>14</td>
<td>17</td>
<td>20</td>
</tr>
<tr>
<td><strong>n</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>%</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>63.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>66.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>68.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mean</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Days</strong></td>
<td>26</td>
<td>28</td>
<td>26</td>
<td>26</td>
<td>26</td>
<td>25</td>
</tr>
</tbody>
</table>

*Less than 16*
### TEMPERATURE DISTRIBUTION

#### DATA

**Month**: September, October, November, December

**Data Column**

- **Month**: Monthly temperature distribution
- **Year**: Yearly temperature distribution

**Data Table**

<table>
<thead>
<tr>
<th>Week</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

- **Mar**
- **Apr**
- **May**
- **June**
- **July**
- **Aug**
- **Sept**
- **Oct**
- **Nov**
- **Dec**
- **Jan**
- **Feb**

**Data Notes**

- **Mean**: Average temperature for each month
- **Min**: Minimum temperature for each month
- **Max**: Maximum temperature for each month
- **Range**: Range of temperatures for each month

**Yearly Summary**

- **Total**: Total temperature readings
- **Mean**: Average temperature for the year
- **Min**: Minimum temperature for the year
- **Max**: Maximum temperature for the year
- **Range**: Range of temperatures for the year

---

*Less than 15*
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

**1-inch Depth**

**12:00 CST, July 1, 1937—Feb. 8, 1942**

**12:00 CST, Sept. 30, 1945—Dec. 31, 1956**

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Mean</td>
<td>32.3</td>
<td>34.3</td>
<td>38.9</td>
<td>43.2</td>
<td>47.4</td>
<td>49.6</td>
</tr>
<tr>
<td>Total</td>
<td>105</td>
<td>105</td>
<td>105</td>
<td>105</td>
<td>105</td>
<td>105</td>
</tr>
</tbody>
</table>

*Less than 1%*
### Temperature Distribution

<table>
<thead>
<tr>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>1 1</td>
</tr>
<tr>
<td>February</td>
<td>1 1</td>
</tr>
<tr>
<td>March</td>
<td>1 1</td>
</tr>
<tr>
<td>April</td>
<td>1 1</td>
</tr>
<tr>
<td>May</td>
<td>1 1</td>
</tr>
<tr>
<td>June</td>
<td>1 1</td>
</tr>
<tr>
<td>July</td>
<td>1 1</td>
</tr>
<tr>
<td>August</td>
<td>1 1</td>
</tr>
<tr>
<td>September</td>
<td>1 1</td>
</tr>
<tr>
<td>October</td>
<td>1 1</td>
</tr>
<tr>
<td>November</td>
<td>1 1</td>
</tr>
<tr>
<td>December</td>
<td>1 1</td>
</tr>
</tbody>
</table>

### Mean Temperature

- January: 77.1°F
- February: 74.0°F
- March: 70.7°F
- April: 65.5°F
- May: 61.4°F
- June: 56.4°F
- July: 50.4°F
- August: 46.0°F
- September: 40.3°F
- October: 34.3°F
- November: 27.6°F
- December: 22.8°F

### Mean Deviation

- January: 8.5
- February: 8.1
- March: 7.7
- April: 7.3
- May: 6.9
- June: 6.5
- July: 6.2
- August: 5.9
- September: 5.6
- October: 5.3
- November: 5.0
- December: 4.7

### Total Deviation

- January: 32
- February: 31
- March: 30
- April: 29
- May: 28
- June: 27
- July: 26
- August: 25
- September: 24
- October: 23
- November: 22
- December: 21

### Observations

- January: 112
- February: 112
- March: 112
- April: 112
- May: 112
- June: 112
- July: 112
- August: 112
- September: 112
- October: 112
- November: 112
- December: 112

### Notes

- *Less than 15°

---

- **Month**: January, February, March, April, May, June, July, August, September, October, November, December
- **Year**: 2023
- **Data Source**: Unknown

---

- **Mean Temperature**: The average temperature for each month.
- **Mean Deviation**: The average deviation from the mean temperature.
- **Total Deviation**: The total deviation for each month.
- **Observations**: The number of observations recorded for each month.

---

- **Temperature Distribution**: A chart showing the temperature distribution for each month over the year.
- **Legend**: Indicates that the chart shows temperature distribution from January to December.
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

11:00 a.m. CST, Feb. 9, 1942—Sept. 29, 1945

I-Inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>0.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.5-0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.5-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.0-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Rains | 31.1 | 34.9 | 37.6 | 44.6 | 47.1 | 50.4 | 49.6 | 54.7 | 56.7 | 61.3 | 67.0 | 73.0 | 70.5 | 67.6 | 75.4 | 80.1 | 70.2 | 83.0 | 82.8 | 82.8 | 70.7 | 75.0 | 77.8 |


* Less than 35
### Temperature Distribution

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
</tr>
<tr>
<td>Mean °F</td>
<td>71.4</td>
<td>67.7</td>
<td>63.4</td>
<td>59.5</td>
<td>55.5</td>
<td>51.6</td>
</tr>
<tr>
<td>Notes</td>
<td>21.3</td>
<td>19.4</td>
<td>17.5</td>
<td>15.6</td>
<td>13.7</td>
<td>11.8</td>
</tr>
</tbody>
</table>

* Less than 15
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

**1-inch Depth**

7:00 p.m. CST, July 1, 1937—Feb. 8, 1942

7:00 p.m. CST, Sept. 30, 1945—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No. 1</td>
<td>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Days (n)</td>
<td>5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean Obs.</td>
<td>89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>%</td>
<td>76.0 78.5 81.2 83.3 86.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Less than 15*
###Monthly Mean Temperature

<table>
<thead>
<tr>
<th>Month</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td>38.7</td>
<td>38.7</td>
<td>38.7</td>
<td>39.1</td>
<td>39.5</td>
<td>40.0</td>
<td>40.8</td>
<td>41.6</td>
<td>40.8</td>
<td>40.8</td>
<td>39.8</td>
<td>38.7</td>
</tr>
<tr>
<td>No.</td>
<td>101</td>
<td>102</td>
<td>103</td>
<td>104</td>
<td>105</td>
<td>106</td>
<td>107</td>
<td>108</td>
<td>109</td>
<td>110</td>
<td>111</td>
<td>112</td>
</tr>
</tbody>
</table>

*Less than 15 days.*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

6:00 p.m. CST, Feb. 9, 1942—Sept. 29, 1945

<table>
<thead>
<tr>
<th>Week No.</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
</tr>
<tr>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Average Mean: 30.7</td>
</tr>
</tbody>
</table>

*Less Than 15
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

#### 2½-inch Depth

**7:00 a.m. CST, April 1, 1946—December 31, 1956**

### Table

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domc</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>181-8</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>182-6</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>183-4</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>184-2</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>185-0</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>186-8</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>187-6</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>188-4</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>189-2</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>190-0</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>191-8</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>192-6</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>193-4</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>194-2</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
<tr>
<td>195-0</td>
<td>7 &amp; 1</td>
<td>6 &amp; 5</td>
<td>5 &amp; 4</td>
<td>4 &amp; 3</td>
<td>3 &amp; 2</td>
<td>2 &amp; 1</td>
</tr>
</tbody>
</table>

Note: * Less than 1%
### Temperature Distribution

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>105-0</td>
<td>81</td>
<td>61.6</td>
<td>59.9</td>
<td>58.4</td>
<td>58.1</td>
<td>54.9</td>
</tr>
<tr>
<td>105-1</td>
<td>53</td>
<td>53.1</td>
<td>51.8</td>
<td>51.5</td>
<td>48.0</td>
<td>45.8</td>
</tr>
<tr>
<td>105-2</td>
<td>59.9</td>
<td>51.8</td>
<td>50.5</td>
<td>48.0</td>
<td>45.8</td>
<td>43.6</td>
</tr>
<tr>
<td>105-3</td>
<td>39.3</td>
<td>38.9</td>
<td>36.7</td>
<td>35.2</td>
<td>30.8</td>
<td>28.6</td>
</tr>
<tr>
<td>105-4</td>
<td>31.8</td>
<td>31.5</td>
<td>30.2</td>
<td>29.8</td>
<td>28.0</td>
<td>27.9</td>
</tr>
<tr>
<td>105-5</td>
<td>27.9</td>
<td>27.9</td>
<td>27.8</td>
<td>27.7</td>
<td>27.6</td>
<td>27.5</td>
</tr>
<tr>
<td>105-6</td>
<td>23.9</td>
<td>24.0</td>
<td>23.9</td>
<td>23.9</td>
<td>23.8</td>
<td>23.8</td>
</tr>
<tr>
<td>105-7</td>
<td>21.5</td>
<td>21.5</td>
<td>21.5</td>
<td>21.5</td>
<td>21.5</td>
<td>21.5</td>
</tr>
<tr>
<td>105-8</td>
<td>23.5</td>
<td>23.5</td>
<td>23.5</td>
<td>23.5</td>
<td>23.5</td>
<td>23.5</td>
</tr>
<tr>
<td>105-9</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-10</td>
<td>22.4</td>
<td>22.4</td>
<td>22.4</td>
<td>22.4</td>
<td>22.4</td>
<td>22.4</td>
</tr>
<tr>
<td>105-11</td>
<td>23.9</td>
<td>23.9</td>
<td>23.9</td>
<td>23.9</td>
<td>23.9</td>
<td>23.9</td>
</tr>
<tr>
<td>105-12</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-13</td>
<td>27.3</td>
<td>27.3</td>
<td>27.3</td>
<td>27.3</td>
<td>27.3</td>
<td>27.3</td>
</tr>
<tr>
<td>105-14</td>
<td>27.1</td>
<td>27.1</td>
<td>27.1</td>
<td>27.1</td>
<td>27.1</td>
<td>27.1</td>
</tr>
<tr>
<td>105-15</td>
<td>27.5</td>
<td>27.5</td>
<td>27.5</td>
<td>27.5</td>
<td>27.5</td>
<td>27.5</td>
</tr>
<tr>
<td>105-16</td>
<td>24.2</td>
<td>24.2</td>
<td>24.2</td>
<td>24.2</td>
<td>24.2</td>
<td>24.2</td>
</tr>
<tr>
<td>105-17</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-18</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-19</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-20</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-21</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-22</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
<tr>
<td>105-23</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
<td>24.0</td>
</tr>
</tbody>
</table>

*Less than 15*
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

12:00 CST, April 1, 1946—Dec. 31, 1956

#### 2½-Inch Depth

<table>
<thead>
<tr>
<th>Week</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp.</td>
<td>1 2 3 4 5</td>
<td>6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105-6</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>109-6</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>99-00</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>97-96</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>93-94</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### With Specified Temperature During Each Week

<table>
<thead>
<tr>
<th>Number of Days (n) and Percentage of Days (%)</th>
<th>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27</th>
</tr>
</thead>
<tbody>
<tr>
<td>105-6</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
</tr>
<tr>
<td>109-6</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
</tr>
<tr>
<td>99-00</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
</tr>
<tr>
<td>97-96</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
</tr>
<tr>
<td>93-94</td>
<td>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td>
</tr>
</tbody>
</table>

*Less than 15
### Temperature Distribution

#### Table

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>Temp.</td>
<td>74.7</td>
<td>73.7</td>
<td>69.0</td>
<td>67.6</td>
<td>66.1</td>
<td>65.6</td>
</tr>
<tr>
<td>Mean</td>
<td>74.7</td>
<td>73.7</td>
<td>69.0</td>
<td>67.6</td>
<td>66.1</td>
<td>65.6</td>
</tr>
</tbody>
</table>

#### Chart

- **2-1/4 INCHES**
- **TEMPERATURE DISTRIBUTION**
- **12:00 N CST**
- **Mean**
- **Temperature**

#### Additional Details

- **Month** consists of columns for each month from March to February.
- **Temp.** and **Mean** are listed for each week.
- **Week No.** indicates the week number for each month.
- **Data** is provided for each week, showing temperature readings.

*Less than 15*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

2¼-inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Days</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>70.6</td>
<td>52.7</td>
<td>48.8</td>
<td>58.6</td>
<td>59.4</td>
<td>60.5</td>
<td>60.5</td>
</tr>
<tr>
<td>M</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Temp.</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Month</td>
<td>March</td>
<td>April</td>
<td>May</td>
<td>June</td>
<td>July</td>
<td>August</td>
</tr>
<tr>
<td>No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Days</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>70.6</td>
<td>52.7</td>
<td>48.8</td>
<td>58.6</td>
<td>59.4</td>
<td>60.5</td>
<td>60.5</td>
</tr>
<tr>
<td>M</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Temp.</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

*Less than 15*
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

#### 4-Inch Depth

7:00 a.m. CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
</tr>
</thead>
<tbody>
<tr>
<td>March</td>
<td></td>
<td></td>
</tr>
<tr>
<td>April</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Week No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|-----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Days      | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n | n |

#### Total Days

- **April**: 49
- **May**: 49
- **June**: 49
- **July**: 49
- **August**: 49

#### Total Days (n)

- **March**: 49
- **April**: 49
- **May**: 49
- **June**: 49
- **July**: 49
- **August**: 49

#### Percentage of Days (%)

- **April**: 49
- **May**: 49
- **June**: 49
- **July**: 49
- **August**: 49

---

*Less than 1%*
TEMPERATURE DISTRIBUTION 7:00 A.M. CST

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>20</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
</tr>
<tr>
<td>Temp</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Max</td>
<td>36</td>
<td>40</td>
<td>44</td>
<td>48</td>
<td>52</td>
<td>56</td>
</tr>
<tr>
<td>Min</td>
<td>26</td>
<td>30</td>
<td>34</td>
<td>38</td>
<td>42</td>
<td>46</td>
</tr>
<tr>
<td>Units</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
<td>°F</td>
</tr>
</tbody>
</table>
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

4-inch Depth

12:00 CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>1-2</td>
<td>3</td>
<td>4</td>
<td>5-6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp.</td>
<td>101.1</td>
<td>100.5</td>
<td>99.9</td>
<td>99.6</td>
<td>98.9</td>
<td>98.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Less than 1%. The table continues with similar patterns for other days and months.
## Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year

### 4-inch Depth

7:00 p.m. CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td>Mean Obs.</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>58</td>
</tr>
<tr>
<td>1-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-15</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19-21</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22-24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25-27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28-30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31-33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>34-36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37-39</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40-42</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43-45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46-48</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49-51</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>52-54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55-57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Less than 14*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

7:00 a.m. CST, July 1, 1937—Feb. 8, 1942
7:00 a.m. CST, Sept. 30, 1945—Oct. 31, 1949

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
</tbody>
</table>

* Less than 50
### Temperature Distribution

**6 Inches**

<table>
<thead>
<tr>
<th>Month</th>
<th>Temperature Distribution</th>
<th>7:00 A.M. CST</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAR</strong></td>
<td><strong>APR</strong></td>
<td><strong>MAY</strong></td>
</tr>
<tr>
<td>2°</td>
<td>4°</td>
<td>6°</td>
</tr>
<tr>
<td>20°</td>
<td>21°</td>
<td>22°</td>
</tr>
<tr>
<td>30°</td>
<td>31°</td>
<td>32°</td>
</tr>
</tbody>
</table>

### Table

<table>
<thead>
<tr>
<th>Week</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>0°</td>
<td>1°</td>
<td>2°</td>
<td>3°</td>
<td>4°</td>
<td>5°</td>
</tr>
<tr>
<td></td>
<td>11°</td>
<td>12°</td>
<td>13°</td>
<td>14°</td>
<td>15°</td>
<td>16°</td>
</tr>
<tr>
<td></td>
<td>23°</td>
<td>24°</td>
<td>25°</td>
<td>26°</td>
<td>27°</td>
<td>28°</td>
</tr>
</tbody>
</table>

* Less than 1°
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

6:00 a.m. CST, Feb. 9, 1942—Sept. 29, 1945

<table>
<thead>
<tr>
<th>Week No.</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp. n</td>
<td>&lt;f</td>
<td>n</td>
<td>£</td>
<td>£</td>
<td>£</td>
<td>£</td>
</tr>
<tr>
<td>6:00 a.m. 6-lnch Depth -ST, Feb. 9, 1942—Sept. 29, 1945</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp. n</td>
<td>105-6</td>
<td>103-4</td>
<td>157-2</td>
<td>100-0</td>
<td>97-90</td>
<td>95-96</td>
</tr>
<tr>
<td>Mean</td>
<td>29.5</td>
<td>31.0</td>
<td>35.2</td>
<td>38.5</td>
<td>39.5</td>
<td>1*9-5</td>
</tr>
</tbody>
</table>

* Less than 15
## Temperature Distribution

### 6:00 A.M. CST

#### 6 INCHES

**MAR** | **APR** | **MAY** | **JUNE** | **JULY** | **AUG** | **SEPT** | **OCT** | **NOV** | **DEC** | **JAN** | **FEB**
---|---|---|---|---|---|---|---|---|---|---|---

<table>
<thead>
<tr>
<th><strong>Month</strong></th>
<th><strong>September</strong></th>
<th><strong>October</strong></th>
<th><strong>November</strong></th>
<th><strong>December</strong></th>
<th><strong>January</strong></th>
<th><strong>February</strong></th>
<th><strong>Year</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Week No.</strong></td>
<td><strong>30</strong></td>
<td><strong>31</strong></td>
<td><strong>32</strong></td>
<td><strong>33</strong></td>
<td><strong>34</strong></td>
<td><strong>35</strong></td>
<td><strong>36</strong></td>
</tr>
<tr>
<td><strong>Temp.</strong></td>
<td><strong>51.0</strong></td>
<td><strong>50.0</strong></td>
<td><strong>45.9</strong></td>
<td><strong>43.0</strong></td>
<td><strong>40.7</strong></td>
<td><strong>39.0</strong></td>
<td><strong>36.0</strong></td>
</tr>
<tr>
<td><strong>%</strong></td>
<td><strong>29</strong></td>
<td><strong>29</strong></td>
<td><strong>29</strong></td>
<td><strong>29</strong></td>
<td><strong>29</strong></td>
<td><strong>29</strong></td>
<td><strong>29</strong></td>
</tr>
</tbody>
</table>

- **Notes:**
  - 65.9-63.0
  - 56.7-55.0
  - 54.9-53.0
  - 52.0-50.0
  - 48.0-45.0
  - 44.0-40.0
  - 39.0-36.0
  - 33.5-30.6
  - 28.7-25.8
  - 26.0-23.0
  - 20.5-17.6
  - 15.5-12.6
  - 13.0-10.1
  - 10.5-7.6
  - 8.0-5.5
  - 5.5-3.0
  - 3.0-0.5
  - 0.5-0.5
  - -2.0-2.0
  - -4.0-4.0
  - -6.0-6.0
  - -8.0-8.0

- **Total Rainfall:**
  - 28
  - 26
  - 24
  - 22
  - 20
  - 18
  - 16
  - 14
  - 12
  - 10
  - 8
  - 6
  - 4
  - 2
  - 0
  - -2
  - -4
  - -6
  - -8

- **Less than 1%**

---

* This page contains a temperature distribution chart for the month of December, showing the temperature distribution from 6:00 A.M. CST. The chart includes data for each week from December 28th to January 31st, with temperature ranges and rainfall amounts indicated for each week. The chart also includes a legend for temperature ranges and rainfall, with specific values indicated for each range.*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

6-inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Days</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: * Less than 16
### Temperature Distribution

**6 Inches**

**12:00 N CST**

#### Table

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Notes

- *Less than 1"*

---

**Total:**

- **Less than 1":** 28
Number of Days (n) and Percentage of Days (%)
With Specified Temperature During Each Week
and During the Year.

11:00 a.m. CST, Feb. 9, 1942—Sept. 29, 1945

### 6-inch Depth

<table>
<thead>
<tr>
<th>Week No.</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
</tr>
<tr>
<td></td>
<td>67</td>
<td>68</td>
<td>69</td>
<td>70</td>
<td>71</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
</tr>
<tr>
<td></td>
<td>79</td>
<td>80</td>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
</tr>
<tr>
<td></td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
</tr>
<tr>
<td></td>
<td>91</td>
<td>92</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
</tr>
<tr>
<td></td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
<td>101</td>
<td>102</td>
</tr>
<tr>
<td>Mean</td>
<td>29.6</td>
<td>31.4</td>
<td>35.4</td>
<td>38.6</td>
<td>40.1</td>
<td>44.5</td>
</tr>
<tr>
<td>Total</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
</tbody>
</table>

* Less than 16
### Temperature Distribution

**6 Inches**

#### 11:00 AM CST

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
</tr>
<tr>
<td>Days</td>
<td>1 5 9 5 5</td>
<td>1 5 9 5 5</td>
<td>1 5 9 5 5</td>
<td>1 5 9 5 5</td>
<td>1 5 9 5 5</td>
<td>1 5 9 5 5</td>
</tr>
<tr>
<td>Mean</td>
<td>66.4</td>
<td>63.4</td>
<td>57.1</td>
<td>55.8</td>
<td>54.6</td>
<td>53.1</td>
</tr>
<tr>
<td>Total</td>
<td>66.4</td>
<td>63.4</td>
<td>57.1</td>
<td>55.8</td>
<td>54.6</td>
<td>53.1</td>
</tr>
</tbody>
</table>

*Less than 1*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

6-Inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>55</td>
<td>56</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
</tr>
</tbody>
</table>

For each week, the table shows the number of days (n) and the percentage of days (%) with specified temperatures. The data span from July 1, 1937 to February 8, 1942, and from September 30, 1945 to October 31, 1949.
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

6-inch Depth

6:00 p.m. CST, Feb. 9, 1942—Sept. 29, 1945

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp.</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>105-6</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>105-4</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>102-8</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>99-20</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>97-35</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>95-60</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>93-85</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>91-110</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>89-135</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
<tr>
<td>87-160</td>
<td>1... 5</td>
<td>6... 10</td>
<td>11... 15</td>
<td>16... 20</td>
<td>21... 25</td>
<td>26... 30</td>
</tr>
</tbody>
</table>

*Less than 1%*
<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Temp.</td>
<td>0°F</td>
<td>0°F</td>
<td>0°F</td>
<td>0°F</td>
<td>0°F</td>
<td>0°F</td>
</tr>
<tr>
<td>Mean</td>
<td>71.9</td>
<td>68.4</td>
<td>65.0</td>
<td>59.4</td>
<td>55.9</td>
<td>54.5</td>
</tr>
</tbody>
</table>

*Less than 35*
<table>
<thead>
<tr>
<th>Week</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Number of Days (n) and Percentage of Days (%)**

With Specified Temperature During Each Week and During the Year.

- **7:00 a.m. CST, Nov. 1, 1949—Dec. 31, 1956**
- **Mean**: 31.1 31.4
- **Obs.**: 49 49 49 49 49 49 49 49
- **No.**: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27
<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
<td>33</td>
</tr>
<tr>
<td>Temp(°F)</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>39</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
</tr>
</tbody>
</table>

**Temperature Distribution (7:00 A.M. CST)**

![Graph showing temperature distribution over months](image)

- **Mean Temperature** for the months shown.
- **Dew Point** for the months shown.
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

8-Inch Depth

12:00 CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>26</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
</tbody>
</table>

Number of Days (n) and Percentage of Days (%)

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>26</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
</tbody>
</table>

Mean:

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>26</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
</tbody>
</table>

Total Obs:

<table>
<thead>
<tr>
<th>Month</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>26</td>
<td>27</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Month</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week No.</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td>32</td>
</tr>
</tbody>
</table>

*Less than 5%
# Temperature Distribution

## 8 Inches

### 12:00 N CST

<table>
<thead>
<tr>
<th></th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
<th>AUG</th>
<th>SEPT</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Avg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Obs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Data Table

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug</td>
<td>86.9</td>
<td>86.8</td>
<td>86.8</td>
<td>86.9</td>
<td>84.0</td>
<td>86.8</td>
<td></td>
</tr>
<tr>
<td>Obs</td>
<td>49 49 49</td>
<td>49 49 49</td>
<td>49 49 49</td>
<td>49 49 49</td>
<td>49 49 49</td>
<td>49 49 49</td>
<td>49</td>
</tr>
</tbody>
</table>

* Less than 1₅
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

7:00 p.m. CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>31.6</td>
<td>32.2</td>
<td>34.7</td>
<td>36.7</td>
<td>39.3</td>
<td>41.5</td>
</tr>
<tr>
<td>Obs.</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
</tr>
<tr>
<td>Mean</td>
<td>31.6</td>
<td>32.2</td>
<td>34.7</td>
<td>36.7</td>
<td>42.1</td>
<td>47.3</td>
</tr>
</tbody>
</table>

8-inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>31.6</td>
<td>32.2</td>
<td>34.7</td>
<td>36.7</td>
<td>42.1</td>
<td>47.3</td>
</tr>
<tr>
<td>Obs.</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
</tr>
<tr>
<td>Mean</td>
<td>31.6</td>
<td>32.2</td>
<td>34.7</td>
<td>36.7</td>
<td>42.1</td>
<td>47.3</td>
</tr>
</tbody>
</table>

* Less than 5%
### Temperature Distribution

**Month**
- September
- October
- November
- December
- January
- February

<table>
<thead>
<tr>
<th>Week No.</th>
<th>28</th>
<th>29</th>
<th>30</th>
<th>31</th>
<th>32</th>
<th>33</th>
<th>34</th>
<th>35</th>
<th>36</th>
<th>37</th>
<th>38</th>
<th>39</th>
<th>40</th>
<th>41</th>
<th>42</th>
<th>43</th>
<th>44</th>
<th>45</th>
<th>46</th>
<th>47</th>
<th>48</th>
<th>49</th>
<th>50</th>
<th>51</th>
<th>52</th>
<th>53</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mean Temperatures

- **Month**
  - September: 74.1°F
  - October: 69.5°F
  - November: 66.4°F
  - December: 63.2°F
  - January: 58.3°F
  - February: 52.2°F

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp.</td>
<td>74.1</td>
<td>69.5</td>
<td>66.4</td>
<td>63.2</td>
<td>58.3</td>
<td>52.2</td>
</tr>
</tbody>
</table>

*Mean* temperatures indicate the average temperature for each month.

### Total Days

- **Month**
  - March: 31
  - April: 30
  - May: 31
  - June: 30
  - July: 31
  - August: 31
  - September: 30
  - October: 31
  - November: 30
  - December: 31
  - January: 31
  - February: 28

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Days</td>
<td>31</td>
<td>30</td>
<td>31</td>
<td>30</td>
<td>31</td>
<td>31</td>
<td>30</td>
<td>31</td>
<td>30</td>
<td>31</td>
<td>31</td>
<td>28</td>
</tr>
</tbody>
</table>

*Total Days* refer to the total number of days in each month.
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

#### 12-Inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>n</td>
<td>%</td>
<td>n</td>
<td>%</td>
<td>n</td>
<td>%</td>
</tr>
<tr>
<td>1</td>
<td>10</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

*Less than 1%*
### 12 Inches Temperature Distribution

<table>
<thead>
<tr>
<th>Month</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
<th>AUG</th>
<th>SEPT</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>JAN</th>
<th>FEB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Less than 15°*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

12-Inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Noon CST, July 1, 1937—Feb. 8, 1942 and Sept. 30, 1945—Oct. 31, 1949</td>
<td>11:00 a.m. CST, Feb. 9, 1942—Sept. 29, 1946</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Temperature Distribution

**11:00 A.M. and 12:00 N. CST**

### Monthly Mean Temperatures

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp.</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
<tr>
<td></td>
<td>104</td>
<td>104</td>
<td>104</td>
<td>104</td>
<td>104</td>
<td>104</td>
</tr>
<tr>
<td>Mean</td>
<td>70.1</td>
<td>68.7</td>
<td>66.4</td>
<td>64.0</td>
<td>61.6</td>
<td>59.0</td>
</tr>
<tr>
<td>Min.</td>
<td>51.0</td>
<td>54.7</td>
<td>57.4</td>
<td>58.1</td>
<td>60.2</td>
<td>58.1</td>
</tr>
<tr>
<td>Max.</td>
<td>89.0</td>
<td>88.7</td>
<td>87.4</td>
<td>85.1</td>
<td>81.8</td>
<td>79.8</td>
</tr>
<tr>
<td>Range</td>
<td>38.0</td>
<td>34.0</td>
<td>29.0</td>
<td>27.0</td>
<td>21.6</td>
<td>21.9</td>
</tr>
</tbody>
</table>

*Less than 10*
### Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

12-hour Depth

7:00 p.m. CST, July 1, 1937—Feb. 8, 1942 and Sept. 30, 1945—Oct. 31, 1949
6:00 p.m. CST, Feb. 9, 1942—Oct. 29, 1945

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week</td>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
<td>1 2 3 4 5 6</td>
</tr>
</tbody>
</table>

- *Less than 16*
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

20-Inch Depth

7:00 p.m. CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Days</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

Mean: 32.9 33.0 34.3 35.9 36.4 36.0 37.7 39.9 39.1 39.3 39.0 39.7 41.2 43.7 47.0 49.1 50.2 51.5 51.0 51.0 52.9 51.0 50.1 49.3

Total: 1584

Notes: * Less than 1$
<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temp.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>105-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>103-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>101-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>99-00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>97 98</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95 96</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>93 94</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>91 92</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>89 90</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>87 88</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>85 86</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>83 84</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>81 82</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>79 80</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>77 78</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>75 76</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>73 74</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>71 72</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>69 70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67 68</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65 66</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>63 64</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>61 62</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59 60</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>57 58</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55 56</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53 54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51 52</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49 50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47 48</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45 46</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43 44</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>41 42</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39 40</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37 38</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35 36</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>33 34</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31 32</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29 30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>27 28</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25 26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23 24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21 22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 20</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 16</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>65.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>63.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>61.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>58.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>59.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Less than 15
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

7:00 p.m. CST, July 1, 1937—Oct. 31, 1949
6:00 p.m. CST, Feb. 9, 1942—Sept. 29, 1945

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>£</td>
<td>n</td>
<td>#</td>
<td>n</td>
<td>$</td>
<td>n</td>
</tr>
<tr>
<td>Mean</td>
<td>32.4</td>
<td>30.7</td>
<td>34.1</td>
<td>36.1</td>
<td>37.8</td>
<td>38.4</td>
</tr>
<tr>
<td>Total Obs.</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
<td>84</td>
</tr>
</tbody>
</table>

* Less than 5
### Temperature Distribution

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>W</td>
<td>E</td>
<td>W</td>
<td>E</td>
<td>W</td>
<td>E</td>
</tr>
</tbody>
</table>

### Mean

**Mean:**

- **68.5°F**
- **66.2°F**
- **64.4°F**
- **61.3°F**
- **58.0°F**
- **55.7°F**
- **53.6°F**
- **51.5°F**
- **49.4°F**
- **47.9°F**
- **46.4°F**
- **45.9°F**
- **44.1°F**
- **42.3°F**
- **40.2°F**
- **38.0°F**
- **35.6°F**
- **33.3°F**
- **31.7°F**
- **30.2°F**
- **28.6°F**
- **27.7°F**
- **26.8°F**
- **25.9°F**
- **25.0°F**
- **24.1°F**
- **23.2°F**
- **22.3°F**
- **21.4°F**
- **20.5°F**
- **19.6°F**
- **18.7°F**
- **17.8°F**
- **16.9°F**
- **16.0°F**
- **15.1°F**
- **14.2°F**
- **13.3°F**
- **12.4°F**
- **11.5°F**
- **10.6°F**
- **9.7°F**
- **8.8°F**
- **7.9°F**
- **7.0°F**
- **6.1°F**
- **5.2°F**
- **4.3°F**
- **3.4°F**
- **2.5°F**
- **1.6°F**
- **0.7°F**
- **-0.1°F**
- **-1.0°F**
- **-2.0°F**
- **-3.0°F**
- **-4.0°F**
- **-5.0°F**
- **-6.0°F**
- **-7.0°F**
- **-8.0°F**
- **-9.0°F**
- **-10.0°F**
- **-11.0°F**
- **-12.0°F**
- **-13.0°F**
- **-14.0°F**
- **-15.0°F**
- **-16.0°F**
- **-17.0°F**
- **-18.0°F**
- **-19.0°F**
- **-20.0°F**
- **-21.0°F**
- **-22.0°F**
- **-23.0°F**
- **-24.0°F**
- **-25.0°F**
- **-26.0°F**
- **-27.0°F**
- **-28.0°F**
- **-29.0°F**
- **-30.0°F**
- **-31.0°F**
- **-32.0°F**
- **-33.0°F**
- **-34.0°F**
- **-35.0°F**
- **-36.0°F**
- **-37.0°F**
- **-38.0°F**
- **-39.0°F**
- **-40.0°F**
- **-41.0°F**
- **-42.0°F**
- **-43.0°F**
- **-44.0°F**
- **-45.0°F**
- **-46.0°F**
- **-47.0°F**
- **-48.0°F**
- **-49.0°F**
- **-50.0°F**

* Less than 15
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

40-Inch Depth

7:00 p.m. CST, Nov. 1, 1949—Dec. 31, 1956

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>July</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>August</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Mean</td>
<td>34.6</td>
<td>34.8</td>
<td>35.2</td>
<td>35.7</td>
<td>39.3</td>
<td>42.2</td>
</tr>
<tr>
<td>Total</td>
<td>357</td>
<td>357</td>
<td>357</td>
<td>357</td>
<td>357</td>
<td>357</td>
</tr>
</tbody>
</table>

* Less than 16
### Temperature Distribution

<table>
<thead>
<tr>
<th>Month</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
<th>January</th>
<th>February</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
</tr>
<tr>
<td>Days</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

**Note:**
- Mean: 60.7
- Total: 64.6
- Less than $10^3$: 3

---

### Mean Temperature (°F)

- March: 50.3
- April: 61.0
- May: 61.6
- June: 61.4
- July: 71.5
- August: 81.1
- September: 85.7
- October: 64.6
- November: 63.6
- December: 51.4
- January: 45.3
- February: 44.7

---

### Total Precipitation (inches)

- March: 0.2
- April: 0.4
- May: 0.6
- June: 0.8
- July: 2.3
- August: 2.9
- September: 3.1
- October: 2.8
- November: 3.2
- December: 3.3
- January: 3.9
- February: 2.5

---

### Rainfall (inches)

- March: 0.0
- April: 0.0
- May: 0.5
- June: 0.8
- July: 2.3
- August: 2.9
- September: 3.2
- October: 2.8
- November: 3.2
- December: 3.3
- January: 3.9
- February: 2.5

---

### Snowfall (inches)

- March: 0.0
- April: 0.0
- May: 0.0
- June: 0.0
- July: 0.0
- August: 0.0
- September: 0.0
- October: 0.0
- November: 0.0
- December: 0.0
- January: 0.0
- February: 0.0
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

48-Inch Depth

7:00 p.m. CST, July 1, 1937—Oct. 31, 1949
6:00 p.m. CST, Feb. 9, 1942—Sept. 29, 1945

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

*Less than 1%
Number of Days (n) and Percentage of Days (%) With Specified Temperature During Each Week and During the Year.

72-Inch Depth

<table>
<thead>
<tr>
<th>Month</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week No.</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Temp.</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
<td>n</td>
</tr>
</tbody>
</table>

| Temp.       | n     | n     | n   | n    | n    | n      |

<table>
<thead>
<tr>
<th>72-Inch Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 p.m. CST, July 1, 1937—Dec. 31, 1956</td>
</tr>
<tr>
<td>6:00 p.m. CST, Feb. 9, 1942—Sept. 29, 1945</td>
</tr>
</tbody>
</table>

*Less than 1%*
## Average Monthly and Annual Soil Temperatures

### 1-inch Depth

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1938</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
</tr>
<tr>
<td>1939</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
</tr>
<tr>
<td>1940</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
</tr>
<tr>
<td>1941</td>
<td>69</td>
<td>70</td>
<td>71</td>
<td>72</td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
<td>79</td>
<td>80</td>
</tr>
<tr>
<td>1942</td>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
</tr>
<tr>
<td>1943</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
<td>101</td>
<td>102</td>
<td>103</td>
<td>104</td>
</tr>
<tr>
<td>1944</td>
<td>105</td>
<td>106</td>
<td>107</td>
<td>108</td>
<td>109</td>
<td>110</td>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
</tr>
</tbody>
</table>

### 2-inch Depth

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1938</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
</tr>
<tr>
<td>1939</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
</tr>
<tr>
<td>1940</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
</tr>
<tr>
<td>1941</td>
<td>69</td>
<td>70</td>
<td>71</td>
<td>72</td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
<td>79</td>
<td>80</td>
</tr>
<tr>
<td>1942</td>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
</tr>
<tr>
<td>1943</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
<td>101</td>
<td>102</td>
<td>103</td>
<td>104</td>
</tr>
<tr>
<td>1944</td>
<td>105</td>
<td>106</td>
<td>107</td>
<td>108</td>
<td>109</td>
<td>110</td>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
</tr>
</tbody>
</table>

### 3-inch Depth

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1938</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
</tr>
<tr>
<td>1939</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
</tr>
<tr>
<td>1940</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
</tr>
<tr>
<td>1941</td>
<td>69</td>
<td>70</td>
<td>71</td>
<td>72</td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
<td>79</td>
<td>80</td>
</tr>
<tr>
<td>1942</td>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
</tr>
<tr>
<td>1943</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
<td>101</td>
<td>102</td>
<td>103</td>
<td>104</td>
</tr>
<tr>
<td>1944</td>
<td>105</td>
<td>106</td>
<td>107</td>
<td>108</td>
<td>109</td>
<td>110</td>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
</tr>
</tbody>
</table>

### 4-inch Depth

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1938</td>
<td>33</td>
<td>34</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
</tr>
<tr>
<td>1939</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>52</td>
<td>53</td>
<td>54</td>
<td>55</td>
<td>56</td>
</tr>
<tr>
<td>1940</td>
<td>57</td>
<td>58</td>
<td>59</td>
<td>60</td>
<td>61</td>
<td>62</td>
<td>63</td>
<td>64</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>68</td>
</tr>
<tr>
<td>1941</td>
<td>69</td>
<td>70</td>
<td>71</td>
<td>72</td>
<td>73</td>
<td>74</td>
<td>75</td>
<td>76</td>
<td>77</td>
<td>78</td>
<td>79</td>
<td>80</td>
</tr>
<tr>
<td>1942</td>
<td>81</td>
<td>82</td>
<td>83</td>
<td>84</td>
<td>85</td>
<td>86</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
</tr>
<tr>
<td>1943</td>
<td>93</td>
<td>94</td>
<td>95</td>
<td>96</td>
<td>97</td>
<td>98</td>
<td>99</td>
<td>100</td>
<td>101</td>
<td>102</td>
<td>103</td>
<td>104</td>
</tr>
<tr>
<td>1944</td>
<td>105</td>
<td>106</td>
<td>107</td>
<td>108</td>
<td>109</td>
<td>110</td>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
</tr>
</tbody>
</table>

### Note

1. Observations from Feb. 1942 through Sept. 1945 recorded at 6 a.m., 11 a.m. and 6 p.m. CBT.
2. * = Interpolated.
### 4-inch Depth

#### 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1946</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
</tr>
</tbody>
</table>

#### 12 noon

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1940</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
</tr>
</tbody>
</table>

### 6-inch Depth

#### 7 a.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1946</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
</tr>
</tbody>
</table>

#### 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1946</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
</tr>
</tbody>
</table>

### 12 noon

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1940</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
<td>20.1</td>
</tr>
</tbody>
</table>
### 8-inch Depth 12 noon

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>76.0</td>
<td>69.8</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>76.5</td>
<td>73.5</td>
<td>69.5</td>
<td>48.6</td>
<td>32.3</td>
<td>30.6</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>76.0</td>
<td>69.8</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>76.5</td>
<td>73.5</td>
<td>69.5</td>
<td>48.6</td>
<td>32.3</td>
<td>30.6</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>76.5</td>
<td>73.5</td>
<td>69.5</td>
<td>48.6</td>
<td>32.3</td>
<td>30.6</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>69.0</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>69.0</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>69.0</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>69.0</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>69.0</td>
<td>69.8</td>
<td>59.4</td>
<td>41.8</td>
<td>30.3</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12-inch Depth 12 noon

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1947</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1948</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1947</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1947</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1948</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 12-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 20-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 24-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1950</td>
<td>70.3</td>
<td>71.6</td>
<td>68.7</td>
<td>57.2</td>
<td>46.5</td>
<td>36.1</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 40-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>1949</td>
<td>50.3</td>
<td>42.4</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>50.3</td>
<td>42.4</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>50.3</td>
<td>42.4</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>50.3</td>
<td>42.4</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1949</td>
<td>50.3</td>
<td>42.4</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 78-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Av.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1937</td>
<td>61.2</td>
<td>65.9</td>
<td>68.7</td>
<td>69.1</td>
<td>50.0</td>
<td>60.2</td>
<td>52.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1938</td>
<td>37.5</td>
<td>35.2</td>
<td>37.5</td>
<td>43.2</td>
<td>50.4</td>
<td>57.9</td>
<td>61.4</td>
<td>67.1</td>
<td>61.6</td>
<td>61.7</td>
<td>71.5</td>
<td>69.9</td>
<td>9.1</td>
</tr>
<tr>
<td>1939</td>
<td>40.3</td>
<td>37.2</td>
<td>35.7</td>
<td>40.7</td>
<td>51.2</td>
<td>58.6</td>
<td>64.8</td>
<td>65.3</td>
<td>65.2</td>
<td>69.0</td>
<td>51.0</td>
<td>44.5</td>
<td>51.2</td>
</tr>
<tr>
<td>1940</td>
<td>50.6</td>
<td>37.2</td>
<td>36.0</td>
<td>41.6</td>
<td>48.7</td>
<td>51.1</td>
<td>63.0</td>
<td>66.1</td>
<td>64.3</td>
<td>59.9</td>
<td>61.9</td>
<td>61.3</td>
<td>50.6</td>
</tr>
<tr>
<td>1941</td>
<td>59.6</td>
<td>39.3</td>
<td>41.8</td>
<td>51.0</td>
<td>58.2</td>
<td>61.6</td>
<td>67.2</td>
<td>65.0</td>
<td>59.7</td>
<td>51.9</td>
<td>66.9</td>
<td>51.4</td>
<td></td>
</tr>
<tr>
<td>1942</td>
<td>41.5</td>
<td>39.0</td>
<td>38.5</td>
<td>41.1</td>
<td>50.7</td>
<td>61.5</td>
<td>65.9</td>
<td>64.4</td>
<td>58.1</td>
<td>51.4</td>
<td>64.5</td>
<td>53.7</td>
<td></td>
</tr>
<tr>
<td>1943</td>
<td>40.0</td>
<td>36.3</td>
<td>35.7</td>
<td>40.0</td>
<td>51.2</td>
<td>55.0</td>
<td>61.6</td>
<td>65.3</td>
<td>61.0</td>
<td>57.6</td>
<td>49.8</td>
<td>49.8</td>
<td></td>
</tr>
<tr>
<td>1944</td>
<td>38.4</td>
<td>37.1</td>
<td>37.0</td>
<td>40.0</td>
<td>51.2</td>
<td>55.5</td>
<td>64.4</td>
<td>63.3</td>
<td>59.7</td>
<td>51.2</td>
<td>45.1</td>
<td>50.7</td>
<td></td>
</tr>
<tr>
<td>1945</td>
<td>39.5</td>
<td>37.6</td>
<td>38.3</td>
<td>45.8</td>
<td>54.4</td>
<td>61.5</td>
<td>64.9</td>
<td>63.9</td>
<td>57.4</td>
<td>51.9</td>
<td>46.5</td>
<td>51.4</td>
<td></td>
</tr>
</tbody>
</table>

### 78-inch Depth 7 p.m.

<table>
<thead>
<tr>
<th>Year</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Av.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1937</td>
<td>59.8</td>
<td>63.3</td>
<td>63.9</td>
<td>59.9</td>
<td>53.6</td>
<td>47.0</td>
<td>--</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1938</td>
<td>42.6</td>
<td>40.2</td>
<td>40.4</td>
<td>44.0</td>
<td>49.3</td>
<td>55.0</td>
<td>61.0</td>
<td>64.3</td>
<td>64.4</td>
<td>61.8</td>
<td>56.2</td>
<td>40.2</td>
<td>58.4</td>
</tr>
<tr>
<td>1939</td>
<td>44.9</td>
<td>40.0</td>
<td>40.2</td>
<td>42.4</td>
<td>45.2</td>
<td>55.6</td>
<td>60.7</td>
<td>62.8</td>
<td>64.1</td>
<td>59.6</td>
<td>58.6</td>
<td>49.1</td>
<td>58.0</td>
</tr>
<tr>
<td>1940</td>
<td>43.7</td>
<td>41.1</td>
<td>40.5</td>
<td>43.0</td>
<td>47.9</td>
<td>54.7</td>
<td>60.2</td>
<td>61.3</td>
<td>62.8</td>
<td>60.2</td>
<td>54.8</td>
<td>46.1</td>
<td>51.7</td>
</tr>
<tr>
<td>1941</td>
<td>44.6</td>
<td>41.4</td>
<td>40.2</td>
<td>42.6</td>
<td>49.9</td>
<td>55.7</td>
<td>60.8</td>
<td>64.1</td>
<td>63.8</td>
<td>60.3</td>
<td>54.7</td>
<td>50.0</td>
<td>54.4</td>
</tr>
<tr>
<td>1942</td>
<td>46.1</td>
<td>43.1</td>
<td>42.1</td>
<td>45.1</td>
<td>50.1</td>
<td>56.3</td>
<td>60.7</td>
<td>63.8</td>
<td>61.4</td>
<td>59.3</td>
<td>54.0</td>
<td>46.7</td>
<td>52.7</td>
</tr>
<tr>
<td>1943</td>
<td>45.0</td>
<td>41.6</td>
<td>39.6</td>
<td>41.1</td>
<td>46.6</td>
<td>52.6</td>
<td>59.0</td>
<td>62.8</td>
<td>61.9</td>
<td>57.6</td>
<td>51.9</td>
<td>47.4</td>
<td>50.7</td>
</tr>
<tr>
<td>1944</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>1945</td>
<td>44.6</td>
<td>41.3</td>
<td>41.3</td>
<td>45.6</td>
<td>53.1</td>
<td>58.5</td>
<td>61.7</td>
<td>62.8</td>
<td>58.3</td>
<td>53.6</td>
<td>47.6</td>
<td>51.5</td>
<td></td>
</tr>
<tr>
<td>1946</td>
<td>43.0</td>
<td>40.3</td>
<td>40.5</td>
<td>45.4</td>
<td>49.5</td>
<td>54.6</td>
<td>60.2</td>
<td>62.4</td>
<td>61.9</td>
<td>59.1</td>
<td>54.5</td>
<td>46.8</td>
<td>51.7</td>
</tr>
<tr>
<td>1947</td>
<td>44.5</td>
<td>41.8</td>
<td>40.2</td>
<td>41.8</td>
<td>47.4</td>
<td>52.9</td>
<td>58.8</td>
<td>61.4</td>
<td>64.7</td>
<td>61.7</td>
<td>56.0</td>
<td>46.5</td>
<td>51.8</td>
</tr>
<tr>
<td>1948</td>
<td>43.5</td>
<td>39.9</td>
<td>38.0</td>
<td>42.4</td>
<td>48.0</td>
<td>55.0</td>
<td>60.3</td>
<td>62.8</td>
<td>65.8</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>1949</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>41.4</td>
<td>46.1</td>
<td>54.6</td>
<td>60.2</td>
<td>63.5</td>
<td>62.0</td>
<td>59.1</td>
<td>51.4</td>
<td>48.2</td>
</tr>
<tr>
<td>1950</td>
<td>43.1</td>
<td>39.6</td>
<td>38.3</td>
<td>40.5</td>
<td>46.1</td>
<td>53.2</td>
<td>58.6</td>
<td>60.7</td>
<td>60.7</td>
<td>58.4</td>
<td>54.0</td>
<td>46.7</td>
<td>50.0</td>
</tr>
<tr>
<td>1951</td>
<td>41.7</td>
<td>39.3</td>
<td>38.8</td>
<td>40.3</td>
<td>46.9</td>
<td>53.6</td>
<td>58.0</td>
<td>61.5</td>
<td>61.4</td>
<td>58.2</td>
<td>51.6</td>
<td>46.1</td>
<td>49.8</td>
</tr>
<tr>
<td>1952</td>
<td>41.6</td>
<td>39.4</td>
<td>38.5</td>
<td>41.1</td>
<td>46.1</td>
<td>54.4</td>
<td>60.1</td>
<td>62.9</td>
<td>61.9</td>
<td>58.2</td>
<td>51.1</td>
<td>47.3</td>
<td>50.3</td>
</tr>
<tr>
<td>1953</td>
<td>43.1</td>
<td>40.6</td>
<td>39.6</td>
<td>42.4</td>
<td>47.1</td>
<td>54.4</td>
<td>59.6</td>
<td>62.4</td>
<td>62.1</td>
<td>59.8</td>
<td>52.2</td>
<td>48.4</td>
<td>51.4</td>
</tr>
<tr>
<td>1954</td>
<td>43.2</td>
<td>39.9</td>
<td>38.0</td>
<td>43.7</td>
<td>49.0</td>
<td>55.0</td>
<td>61.4</td>
<td>61.4</td>
<td>60.3</td>
<td>54.3</td>
<td>48.5</td>
<td>52.1</td>
<td></td>
</tr>
<tr>
<td>1955</td>
<td>44.1</td>
<td>41.0</td>
<td>39.9</td>
<td>43.7</td>
<td>50.7</td>
<td>55.7</td>
<td>61.2</td>
<td>61.5</td>
<td>64.1</td>
<td>60.5</td>
<td>53.9</td>
<td>46.3</td>
<td>50.2</td>
</tr>
<tr>
<td>1956</td>
<td>41.7</td>
<td>39.4</td>
<td>39.7</td>
<td>43.3</td>
<td>47.9</td>
<td>55.4</td>
<td>60.7</td>
<td>68.7</td>
<td>61.7</td>
<td>59.6</td>
<td>54.9</td>
<td>47.9</td>
<td>52.2</td>
</tr>
<tr>
<td>Av.</td>
<td>43.6</td>
<td>40.0</td>
<td>40.0</td>
<td>42.8</td>
<td>48.4</td>
<td>54.6</td>
<td>60.1</td>
<td>63.0</td>
<td>62.8</td>
<td>59.5</td>
<td>54.1</td>
<td>48.2</td>
<td>51.5</td>
</tr>
</tbody>
</table>