U. S. DEPARTMENT OF AGRICULTURE

WEATHER BUREAU

REPORT

OF THE

CHIEF OF THE WEATHER BUREAU

1908-1909

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Of the Annual Report of the Chief of the Weather Bureau, four thousand copies; one thousand copies for the Senate, two thousand copies for the House, and one thousand copies for the Bureau.

LETTER OF TRANSMITTAL.

U. S. DEPARTMENT OF AGRICULTURE,
CENTRAL OFFICE OF THE WEATHER BUREAU,
Washington, D. C., September 10, 1909.

SIR: I have the honor to submit a report of the operations of the Weather Bureau during the fiscal year that ended June 30, 1909.

WILLIS L. MOORE,
Chief of Weather Bureau.

HON. JAMES WILSON,
Secretary of Agriculture.

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PART I.

ADMINISTRATIVE REPORT.

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REPORT

OF THE

CHIEF OF THE WEATHER BUREAU.

RESEARCH OBSERVATORY AT MOUNT WEATHER, VA.

The Sixtieth Congress at its first session authorized the rebuilding of the administration building, destroyed by fire in October, 1907, the construction of a central heating and power plant, and the completion of the physical laboratory and the cottage and office building. The details of progress in construction are given elsewhere.

A part of the office force moved into the physical laboratory building early in March. The principal instruments and machinery for the large workroom have been installed and the greater number of instruments and apparatus for the laboratory have been ordered. Some smaller apparatus have already been received.

As the central heating and power plant and the cottage and office building are located in the uncleared part of the reservation, the roads had to be extended to include those as well as the physical laboratory. In all, 1,200 feet of roads were constructed, and about 2,000 tons of boulders and smaller stone were removed from the grounds in connection with grading and road making.

SCIENTIFIC WORK.

AERIAL OBSERVATIONS.

The investigation of the lower layers of the atmosphere by means of kites and captive balloons has been continued throughout the year. Observations of temperature and moisture of the air in a vertical direction, the changes in the speed and direction of the air currents, and the approximate depth of layers of fog and cloud were made daily, except Sundays. The average altitude attained by kites during the year was 2,663 meters (8,737 feet) above sea level; by balloons, 2,004 meters (6,575 feet). The corresponding heights for the previous year were: For kites, 2,388 meters (7,835 feet); for balloons, 1,738 meters (5,702 feet). The height attained by the kites last year, though greater than for the previous year, is somewhat below the ideal altitude for observations in the lower layers of the atmosphere; that is, between the ground and 2½ miles altitude.

Flights up to and above that altitude are obtained so irregularly as to be of much less value than were they more regular and consecutive. The drift of the air currents is such that it may be impossible for two weeks at a time to get a kite through the zone of still air that overlies the mountain and adjacent valleys. Then, without any preliminary indication, the lower 3 miles of atmosphere will move as a whole with something like uniform speed, and the altitude to which the kites may be sent is a question largely of the strength of the wire and the containing drum.

While the present form of kite is satisfactory for general use, a kind is needed that will withstand the conditions imposed by fog and rain. In a great many cases, probably 100 a year, the mountain is enveloped in fog. Under these conditions the kite sails rapidly take up moisture. This increases their weight, while the shrinking due to the wetting of the fabric often causes the sticks to break, and the kites are precipitated to the ground. Effort has been made to secure material for sails that will not absorb water.

The use of a better quality of material in the constructing of captive balloons has resulted in a greater altitude being reached, and a further increase in the average altitude reached is confidently expected during the coming year.

The kite and balloon observations have been regularly published in the Bulletin of the Mount Weather Observatory, a publication almost wholly devoted to the meteorology of Mount Weather.

SOLAR RADIATION.

Measurements of the intensity of solar radiation and the polarization of sky light have been made at Washington and Mount Weather whenever conditions were favorable for this work. At Washington 56 series of observations were obtained, 32 of which appeared to be good enough to justify their employment in computations of the solar constant. At Mount Weather, out of a total of 27 series of observations, 8 were employed in solar-constant computations. The results have been prepared for publication in the Mount Weather Bulletin.

During the past year observations were obtained on a greater number of days than in the year preceding. They indicate a greater intensity of solar radiation at the surface of the earth and a greater percentage of polarization of sky light than was found during the year ending June 30, 1908, which appears to have had a low value for both sky polarization and solar radiation.

The international commission for securing daily weather reports for the globe has recently included a measurement of the intensity of solar radiation in the list of meteorological observations to be telegraphed daily from selected stations located about the centers of action of the atmosphere. This is indicative of the interest now being taken in the relation between the intensity of solar radiation at the surface of the earth and weather conditions. Recent literature also shows an increased interest in the relation between the polarization of sky light and weather conditions, and the Mount Weather Observatory will cooperate with several foreign observatories in an attempt to determine more definitely the exact nature of this relation. In a paper by Professor Kimball, in volume 2, part 2, Bulletin of the Mount Weather Observatory, it is shown that a relation exists between the polarization of sky light and the transmissibility of the atmosphere for solar radiation. It appears, therefore, that the intensity of solar radiation at the surface of the earth, sky polarization, and weather conditions are phenomena whose relations should be carefully studied.

Extension of this line of research has been retarded by unavoidable delays in obtaining suitable apparatus. Ångström pyrheliometers deteriorate with age, and much difficulty has been experienced in replacing defective parts. It has therefore become necessary to devise an instrument that can be manufactured in this country. As stated in my last annual report, such an instrument has been devised in our instrument division, embodying some principles not heretofore employed in pyrheliometry. Samples have been tested and defects remedied, and the evolution of a pyrheliometer that will be easy of manipulation and accurate in its indications appears to be in satisfactory progress. With its completion it is hoped to inaugurate an active campaign having in view the study of the intensity of solar radiation in different sections of the United States.

MAGNETIC OBSERVATIONS.

At the close of the calendar year 1908 the computation of the hourly values of declination and of horizontal and vertical intensity was temporarily abandoned, as were also the photographic records being made by all the larger instruments. A record of the declination and the horizontal and the vertical force was continued, however. This record has been approximately checked by absolute values obtained from eye readings, and is intended to serve the needs of the future. Data of magnetic storms, auroras, and sun spots have also been collected for publication.

NEW WORK PROPOSED.

During the coming year it is proposed to increase the value of kite and balloon flights by making them every day. The first Sunday flight was made July 19, 1909. Two years of active

work with kites and captive balloons at Mount Weather have shown that the records thus obtained should be supplemented by others from higher regions of the atmosphere than can be reached with kites, captive balloons, or even manned balloons. Such can be secured by the use of free balloons, or, as sometimes called, "sounding balloons," developed principally by De Bort in France and Assmann in Germany. Kite flights in the center of storm activity are made with considerable difficulty, owing to the unsteadiness of the wind and the increased weight of the kites when wet with precipitation. Preparations are now under way to send expeditions from Mount Weather to two western stations, for the purpose of liberating free balloons simultaneously at the two points—one in or near the storm center and the other some hundred miles to the eastward. The station at Mount Weather can not be used, owing to its proximity to the sea. Some of the free balloons sent up by Professor Rotch at St. Louis landed 250 miles to the eastward of that city.

Another method of studying the changes in the atmosphere in a vertical direction is that afforded by mountain stations. During the coming year it is proposed to secure a continuous record of the temperature and possibly of other elements at high stations in Nevada and Colorado. While the temperature of the free air is not quite the same as that on a mountain top at the corresponding elevation, the differences are small. Moreover, the mountain temperature record will afford valuable information as to the propagation of temperatures upward or downward due to a horizontally flowing current of definite thickness. Kite observations at Mount Weather have shown at times the existence of a warm horizontal air current on the mountain top nearly twenty-four hours before it appeared in the valley about 300 meters (1,000 feet) below.

Since the foregoing was written preliminary returns have been received from the two sounding balloon parties that it was proposed to send out from the Mount Weather Research Observatory.

Eight ascensions were made, in each of which the altitude attained equaled or exceeded 10 miles. On October 12, at Omaha, Nebr., a height of 15 miles, hitherto unprecedented for this country, was attained, and on October 6, at Indianapolis, Ind., a height of nearly 14 miles was reached. The last-named ascension was made in almost the center of a great area of high pressure. The balloon was observed to move in a southwesterly direction at all altitudes, and was later found in that direction about 30 miles from the city. A similar movement—that is, a drift of the air at high altitudes toward the southwest—was observed at Omaha, Nebr. This would seem to indicate that the control of the general atmospheric movements exerted by areas of high pressure extends upward to greater altitudes than has been hitherto suspected.

In general, the results of the ascensions, so far as available, are in close accord with European observations. The great isothermal layer was reached on eight occasions; its lower limit varied greatly in altitude from day to day and for different surface weather conditions.

FORECASTS AND WARNINGS.

Upper air observations have been telegraphed daily from Mount Weather to Washington and utilized in the preparation of the official forecasts. Observations secured at elevations of 8,000 to 10,000 feet and higher have permitted a determination of temperature gradients and normal and abnormal wind currents that bear a definite relation to subsequent weather changes in the Middle Atlantic States. For instance, it has been found that the average wind direction at Mount Weather at about 10,000 feet above sea level is northwest, and that shifts of wind to west and southwest usually forerun by about two days the beginning of rain on the middle Atlantic seaboard. Continued observations and careful studies thereof will doubtless reveal many upper air indications of positive value in practical weather forecasting.

Isobaric charts based upon telegraphic reports received from selected stations throughout the Northern Hemisphere have been prepared daily, and forecasts for about a week in advance

have been issued at intervals for publication. The following illustrate the character and scope of these forecasts:

Thursday, July 9, 1908:

A warm wave that will cover the Plains States Friday will extend over the central valleys Saturday and set in over the Atlantic States Sunday. The warm period will be of two or three days' duration in the several sections, and will end with rains in the Plains States on Sunday, in the Mississippi Valley and western lake region on Monday, and in the Ohio Valley, the eastern lake region, and the Atlantic States Monday or Tuesday. The rains referred to promise to be sufficiently heavy to end the existing drought in the Ohio Valley and Middle Atlantic States.

The warm wave was the most intense of the summer of 1908. Its progress and duration, and the movement of the rain and cooler area, conformed to the forecast.

On July 15, 1908:

A barometric depression that now covers the Rocky Mountain districts will move over the Plains States Thursday, cross the central valleys and lake region Friday and Saturday, and reach the Atlantic States Saturday night or Sunday, preceded by rising temperature, attended by local rains and thunderstorms, and followed by two or three days of fair and cooler weather. This depression will cause rains in the wheat and corn belt and also rather copious rains in the Ohio Valley and the Middle Atlantic and New England States.

The depression advanced as forecast, and generous rains fell in the corn and wheat belt. Rainfalls were also heavy in areas in the Ohio Valley and the Atlantic States north of Maryland and relieved the drought that prevailed in those sections. The depression was followed in the interior by two or three days of temperature below the seasonal average.

The Evening Metropolis, Jacksonville, Fla., of July 30, 1908, comments as follows regarding a tropical storm that advanced northward near the Atlantic coast:

The storm that the Weather Bureau has been watching for three or four days has at last shown itself, and this morning is approaching the coast line near Wilmington, N. C. At 7 a. m. the wind velocity at North Carolina stations was between 40 and 50 miles an hour from the east and northeast. No doubt the disturbance has been giving some sailing vessels a hard time. The fact that the storm has at no time been near land, and yet located daily with almost absolute accuracy, shows the exactness with which the Weather Bureau makes its predictions. There are a number of vessels that delayed sailing on account of the display of storm warnings, and they now appreciate the wisdom of their conduct. The Weather Bureau was established to render service. Who will say that it is not doing so?

The Virginia Pilot, Norfolk, Va., of August 2, remarks as follows regarding warnings issued in connection with this storm:

It was due to the magnificent work of the Weather Bureau that there were no wrecks along the coast. Many hours before the storm developed any great strength the Bureau had sent warnings along the coast to notify mariners that there was a blow off the Florida coast and advised caution about proceeding south. These warnings were sent to several wireless stations, which transmitted them to vessels at sea having the wireless apparatus, so that the news was flashed down the line.

The St. Louis Times of August 15 refers editorially as follows to weather forecasts in general, and to a forecast of August 13 in particular:

Close observers of weather conditions have noted in recent months that the department of meteorology at Washington has been indulging in some long-distance and wide-range forecasts.

Time was when the word chiefly employed by the forecasters was "Probably." Now there is a certain note of positiveness in the twenty-four-hour forecast, and the long-distance, wide-range bulletins amount almost to predictions. Several weeks ago, for instance, the department announced that a blanket of rain would begin at the Rocky Mountains and stretch to the Atlantic. The forecast covered a period of a week, gave great cheer to the agriculturist and business man generally, and was fulfilled exactly.

Yesterday the department made a prediction, technically called a forecast, covering a period of five days ending next Wednesday morning. All of the spring wheat and corn States are to have needed hot weather, followed by needed rain, after which it will be cooler. It will be worth while noting the outcome of this prediction.

If the department at Washington finds it possible to make a forecast covering the great growing section of the country for a week, it will have increased its usefulness immeasurably.

A special feature of a forecast issued on the 18th was a prediction of well-distributed rains in the cotton belt, where rain was needed. The rains occurred over the cotton belt as forecast, and in the Atlantic States the rains that set in were exceptionally heavy.

The following from the Daily Picayune, New Orleans, of August 26, 1908, indicates the demand for weather information that increases with recognition of the value of the forecasts:

The weather map issued by the United States Weather Bureau yesterday showed generally settled weather conditions over the greater portion of the country for the first time in several days. These conditions call attention to the

special forecast issued by Chief Willis L. Moore, of the Weather Bureau, Tuesday, August 18, and published in the Picayune on the 19th. Looking over the weather map we see that the barometric depression referred to in the forecast crossed the Rocky Mountain districts on the 20th and 21st, the Plains States on the 22d, the central valleys and the lake region on the 23d and 24th, and is now over the Atlantic States. The well-distributed rains forecast by Professor Moore have fallen, and those sections of the cotton belt where rain was needed have received copious showers. The map issued Tuesday shows the comparatively cool and settled weather moving eastward just as forecast eight days ago. Forecasts of this character, when so fully verified as have been the case with the Weather Bureau forecasts, are of great importance to agricultural and commercial interests, and the public will look keenly for information telling a week or more in advance what weather to expect as they look for the daily forecasts covering a period of thirty-six to forty-eight hours. Commercial interests attach such importance to the forecast that request has been made that such forecasts be telegraphed as soon as issued, at the expense of the recipient.

A remarkable period of dry weather set in over the northern half of the United States east of the Rocky Mountains during the latter portion of August and continued well into the third decade of September. In two or three instances during this period indications that as a rule presage rain partially or wholly failed. The rather remote causes of the dry spell are now recognized. It was not possible to detect and interpret them with previous imperfect knowledge of the operative influence of the greater barometric areas.

On September 22 the following forecast based upon radical changes in pressure was issued:

A barometric disturbance will cross the country from about the 24th to 28th, attended by rains that will set in over the central valleys about the close of this week and extend over the Atlantic States by the beginning of next week. Following the rains there will be a sharp fall in temperature, with frost in the central valleys and Eastern States north of the fortieth parallel.

The rains that attended this disturbance occurred as forecast and relieved the drought in northern and northeastern districts. The frosts that followed its passage extended over the Middle Western States and the States of the Ohio Valley and Middle Atlantic coast.

The following comment on this storm and cool wave is made by the Market Growers' Journal, Louisville, Ky., of September 30, 1908:

A general area of rain set in over practically the entire Rocky Mountain region the latter half of the week and moved gradually eastward, bringing rain to the Mississippi Valley States by Saturday night. The rain reached the Ohio Valley Sunday night of this week and the indications at this writing are that before this issue reaches our readers the drought in all sections of the country which have been suffering will have been brought to an end. An interesting fact of this rain period is that it was predicted early last week in a bulletin sent out by the Weather Bureau at Washington * * *. The general rains, which marked the end of the drought, are being followed by a period of cold weather which will mark the end of the unusually warm weather of September.

An editorial in the Albany, N. Y., Journal of September 29 reads as follows:

Just now there is in evidence the fulfillment of a forecast made a week ago. Early last week it was announced from Washington that conditions were favorable for the development of a general rain area in this part of the country by about the 28th instant. Because of the long absence of rain, that prediction was of unusual interest, and the arrival of the time appointed for its fulfillment was waited with mingled hope and apprehension.

There was a widespread feeling of relief when the sky became overcast and precipitation began, gradually, as it nearly always does after a long period of dry weather.

The Weather Bureau is to be congratulated upon the accuracy of a "long-distance" forecast, made at a critical time when all ordinary signs, even to that old standby, the sun's "crossing the line," seemed to fail.

The Kansas City, Mo., Star of September 27 remarks as follows:

An interesting fact about the storm area that is now moving across the country is that it was accurately predicted by the Weather Bureau last Tuesday evening (September 22), when a "long-distance" forecast was put out saying that rains would fall in the central valleys about the close of this week, and in the Atlantic States at the beginning of next week, followed by frost north of the fortieth parallel.

The Weather Bureau's forecasts for a week ahead are still in the experimental stage, but they promise to be of great value. They are based on reports of barometric pressures in various parts of the world, indicating the progress of storm areas. Last Tuesday's forecast was based on reports of low barometric pressure at the time in Nome and Sitka, Alaska, and in Honolulu. But the present storm area first appeared over the Rocky Mountain regions with a bank of high barometer all week along the Pacific coast, so that it seemed questionable as to whether it came from the conditions on which the Weather Bureau based its long-distance forecast of last Tuesday.

The forecast was based on reports for several days preceding the date of its issue. On September 17 Pacific pressure was high over Honolulu and low over Nome. Three days later pressure was high over the Bering Sea region and low over the Hawaiian Islands. It has been observed that pressure changes over the Pacific Ocean forerun by several days certain changes

on the Pacific coast and the American continent as a whole. On September 23 a decided fall in the barometer occurred over the middle and south Pacific coast districts, and on the following day the barometric disturbance appeared, as stated, over the Rocky Mountain districts. It is true that pressure continued high over the north Pacific coast. That was expected. The predictions are based, not necessarily upon the progress of individual storm and high barometric areas, but upon a study of atmospheric conditions over the whole Northern Hemisphere and more directly, at this season of the year, on the general circulation of the atmosphere over the Pacific and Atlantic oceans. In winter the great continental areas of high barometer, and more especially the Asiatic high area, appear to dominate the general atmospheric changes of the Northern Hemisphere. By a study of the association and interrelation of the greater areas of high and low barometric pressure, the forecasting of weather changes for a week or more in advance is made possible.

During the last seven days of September a hurricane advanced from the Lesser Antilles of the West Indies to the Great Bahama Bank. On October 1 the vortex of the hurricane recurved northward over the western Bahamas. The following notes regarding this storm are from the Nassau Guardian, New Providence Island, Bahamas, of October 3, 1908:

The first intelligence that another hurricane had made its appearance reached us late last Saturday (September 26), when we were informed by cable from Washington that a storm was central near and south of Porto Rico, moving west-northwest. This information was confirmed by telegrams from the same source dated the 28th, 29th, and 30th, stating that a hurricane was central near the Great Bahama Bank, moving west-northwest. These statements were entirely borne out by the weather here on September 30, which throughout the day wore an exceedingly threatening aspect. * * * By 8 a. m. of October 1 the barometer had fallen to 28.88 inches, while the wind, southeast, had risen to an estimated velocity of 80 miles an hour—estimated, because at 7.45 a. m. the wind-recording instruments at the observatory were blown away. At this time squall succeeded squall with rapidly increasing velocity from the southeast, the rain falling in continuous torrents, being driven by the wind with a force that the few adventurous persons who were out found positively blinding. * * * Although much damage was done on land, interest centered on the shipping in the harbor, most of which was in sore straits. * * * At 10 a. m. the barometer reached a minimum of 28.68 inches, with wind from the south blowing at an estimated velocity of 60 to 80 miles an hour. At noon the barometer had risen to 29.10 inches.

* * * * * * *

An instance of the value of the storm telegrams is afforded by information obtained from Mr. William Hilton, who arrived this morning from Staniard Creek. He states that a great many of the sponging craft there had been launched and taken out of the creek to the north side, but that on the receipt by the Rev. Mr. Dinsdale, on Sunday night, of a copy of Saturday's storm telegram, sent by the port officer, the vessels were all brought into the creek again and secured. Had this not been done the damage to shipping there would probably have been very great.

The telegrams referred to were sent by the Chief of the Weather Bureau to the governor of the Bahamas, Nassau. They were begun September 26, 1908, and advised measures to protect shipping.

On Tuesday, October 20, the following general forecast was issued:

The barometer has fallen rapidly over the southern Rocky Mountain region, and a well-defined storm will appear in that section Wednesday morning. This storm will move northeastward, attended by rain in the central valleys Thursday and in the Atlantic States Friday or Saturday. The rains promise to be sufficiently heavy to extinguish the fires in the Allegheny and Adirondack mountains.

The rains set in as forecast, and in the eastern mountain districts, where forest fires were destroying property, they continued several days.

The following are among many comments that were made by the press regarding warnings issued in connection with a severe cold wave that swept the country from the Rocky Mountains to the Atlantic during the first decade of January, 1909:

Kansas Farmers' Star, Wichita, Kans., January 8, 1909:

The weather man gave the farmers of the Southwest plenty of warning. There can't be any very good excuse for not having provided shelter for their live stock.

Market Growers' Journal, Louisville, Ky., January 16, 1909:

* * * This cold wave was forecast in a special bulletin sent out by the Weather Bureau Saturday afternoon, January 2. This forecast indicated the coldest weather of the season for States east of the Mississippi River, and was issued in ample time to warn all growers who needed the warning. * * *

Post-Express, Rochester, N. Y., January 5, 1909:

* * * Hundreds of shippers are holding back shipments on warnings from the Weather Bureau, and many shipments were rushed following the warning sent out last week. The absolute accuracy of the two special forecasts made by the Weather Bureau at Washington has aroused much favorable comment among business men here and in some instances has saved thousands of dollars for nurserymen and brewers.

Daily Times-Union, Jacksonville, Fla., January 11, 1909:

* * * The point of interest involved in the forecast is the fact that nine days ago the Washington office announced the existence of conditions that favored cold-wave formation, and on Monday and Tuesday the same office gave notice that the cold wave actually existed in the Northwest and that the extreme cold would reach the seaboard States during the last of the week, which was exactly the case, for on Friday the temperature in the middle Atlantic section was about 15° above zero and freezing prevailed over the south Atlantic section.

The merit of such long-range weather predictions lies in the fact that they enable shippers to meet contingencies; for instance, the Florida shipper of fish knows that no reicing will be necessary, and the banana shipper from Mobile and New Orleans provides the necessary warmth for his cars. Other commodities to interior points are given the necessary attention.

The Times, Tampa, Fla., of February 1, 1909, refers editorially as follows to warnings issued in connection with this cold wave:

The Weather Bureau gave ample warning, so that persons who desired and were prepared could "fire" their groves and shelter their seed beds and avoid any loss whatever. The value of the Bureau is made more evident every year by the saving it enables people to make in defending themselves against cold and storms.

The following special forecast was issued on Saturday, February 6, 1909, in connection with a storm that advanced from the Pacific to the Atlantic coast from the 6th to the 10th:

A storm that now occupies the north Pacific coast will move southeastward over the Rocky Mountains Sunday, and then eastward over the Plains States Monday and Tuesday, and reach the Atlantic coast about Wednesday, attended by snow in middle and northern districts, and followed by a cold wave that will appear over the Northwestern States Sunday or Monday, advance over the central valleys and Lake region Monday and Tuesday, and reach the Atlantic States about the middle of next week.

The following are among the press comments that have been made regarding this forecast:

The Times, Fort Smith, Ark., February 8, 1909:

On Saturday there was sent out from the Washington Weather Bureau headquarters a general forecast, reporting a storm disturbance on the northern Pacific coast that would advance southeast, followed by a cold wave. They made good. The Monday morning chart indicated that the storm advanced over the Rocky Mountain region, accompanied by snow or rain, which covered the whole Mississippi Basin. Following it, an area of high barometer is sweeping down from the north, accompanied by a fall of as much as 36 degrees in temperature. * * *

Courier-Post, Hannibal, Mo., February 9, 1909:

* * * The storm is the one predicted from the Washington Weather Bureau as early as last Saturday, and the prediction has proved remarkably accurate for such a long time ahead. It is central to-day over Iowa, where it is very pronounced. Heavy snows are predicted for the northwestern part of the State and strong gales. The zero line has been pushed down into northern Kansas. * * *

Commercial Tribune, Cincinnati, Ohio, February 11, 1909:

Within a few days the Weather Bureau has come up to all expectations. As early as last Monday the signs indicated rain and snow, and Tuesday morning we were told to look out for rain, snow, and much colder weather on Wednesday. Everything came to pass. The reason for calling attention to this fulfillment of prophecies grows out of the fact that there are countless thousands who find fault whenever there is a little slip up. As a rule, the predictions are quite accurate and there has been a distinct improvement over other years. In short, the business is beginning to rest more nearly upon a scientific basis, and improvements and observations which are to be expected in the future will make this branch of the Government one of the most important, not to the few, but to many millions.

The following special forecast was issued Sunday, March 14, 1909:

During the present week a disturbance will advance from the Pacific to the Atlantic coast from about Tuesday to Friday, preceded and attended by rising temperature and by general rains in the middle and southern districts and by snow in the more northern States, and followed by a period of cooler, fair weather that will set in over the Northwestern States Tuesday night and reach the Atlantic seaboard about the close of the week.

The disturbance referred to appeared Tuesday, the 16th, over the Pacific States and its center reached the Atlantic coast Friday night, the 19th. Its passage was attended by snow from

the Missouri Valley over the Lake region, and by rain from the lower Mississippi and Ohio valleys over the Southern and Southeastern States. It was followed by lower temperature, that set in over the Northwest Tuesday night and reached the Atlantic and east Gulf States Saturday.

On April 7, 1909, the following special forecast was issued:

Several days of comparatively cool weather are indicated for the eastern half of the United States, with frost in the middle and upper Mississippi and Ohio valleys and the Lake region, and thence over the Middle Atlantic and New England States. Frost is also likely to occur in the interior of the Gulf and South Atlantic States.

Following the disturbance of April 5 to 8 an area of high barometer swept south and east from the British Northwest Territory, attended by frost-bearing temperatures that reached the Gulf States the morning of the 9th and covered the east Gulf and Atlantic States the morning of the 10th. On that date frosts were general in the South, including northwestern Florida, and on the morning of the 11th a minimum reading of 26° was noted at Washington, D. C.

On April 21, 1909, a warning of freezing temperature was issued for Colorado, and on the morning of the 23d temperature fell to 27° at Pueblo and in the Arkansas Valley. The Star-Journal, Pueblo, Colo., of April 23, 1909, comments as follows regarding the frost:

The Weather Bureau predicted the frost more than twenty-four hours ahead, and every effort was made to give warning to the farmers. Almost without exception fruit growers whose crops were endangered heeded the warning of the Weather Bureau and protected every early-blooming fruit tree with plenty of smudge fires, and so prevented any loss by frost.

The Record, Fort Worth, Tex., of May 5, 1909, refers editorially as follows to action taken by Colorado fruit growers to protect their crops from the cold wave of April 30–May 1:

There was an illustration in Colorado last week of how man's ingenuity combats the elements and sometimes thwarts the full workings of nature. Colorado fruit growers had been warned of the coming of the cold wave which there was every evidence to believe would blast the fruit crop. The fruit crop in the threatened Grand Valley is estimated to be worth $3,000,000. Fruit growers immediately got busy with the smudge pot. These oil heaters performed the miracle of heating the whole out-of-doors. The danger point to the fruit crop is 28°, and the smudge pots pushed the thermometer register up to 32°. The orchards were saved. The cost of equipment was an average of $25 an acre, the cost of running $5 a night, and the estimate is that not more than three nights a year would such precautions be necessary; hence at a cost of $40 there was saved each acre's crop, the value of which runs from $300 to $2,000.

NEW STATIONS IN ALASKA.—Provision has been made for the establishment of three additional stations in Alaska (Eagle, Tanana, and Valdez), daily telegraphic reports from which are calculated to be of value in foreseeing the approach toward our northwestern borders of severe cold waves that have their origin over the far British northwest.

The application of upper air and world-wide surface observations to the art of weather forecasting for short and long periods is each year becoming more apparent, and progress along lines of useful forecast work will keep pace with discoveries that may be made in these practically unworked fields.

THE KEY WEST HURRICANE OF OCTOBER 11, 1909.

During the hurricane season of 1909 the weather was unusually stormy over the Gulf of Mexico and western Caribbean Sea. The first important storm of the season struck the Texas coast south of Galveston, the next two crossed the west coast of the Gulf of Mexico near the mouth of the Rio Grande River, and the fourth advanced northward over Louisiana. The Key West storm moved from a position over the south-central Caribbean Sea northwestward to extreme western Cuba from October 6 to 10, and there recurved sharply to the northeastward over Pinar del Rio Province, Cuba. At 11.30 a. m. of October 11 the vortex of the storm passed over Sand Key with barometric pressure 28.37 inches, and at 11.45 a. m. it passed Key West with minimum pressure 28.50 inches. Moving thence northeastward over the northern Bahamas the storm center passed northwest of Bermuda during the 13th and reached Newfoundland on the 14th, with a gradually expanding area and a rapid loss of tropical intensity.

Notices to shipping regarding this hurricane were begun October 6, when advices stated that a tropical disturbance over the central Caribbean Sea was moving west-northwest. On the 7th the storm advices stated that the disturbance was apparently approaching the Isle

of Pines and developing intensity. On the 8th the center was located south of western Cuba and caution was advised to vessels bound for western Cuban waters. Advisory messages of the 9th followed the hurricane center on its northwest course, and on the 10th storm warnings were ordered on the southern Florida coast, and Atlantic and Gulf shipping interests were informed that the center of the disturbance was west of Habana, moving northwest by north and increasing in intensity. At 6 a. m. of the 11th storm warnings were changed to hurricane at Key West and Sand Key. This action was followed by the following special bulletin addressed to Atlantic and Gulf Weather Bureau stations and the press associations:

The West Indian storm that has been moving westward over the Caribbean Sea during the last week has developed into a hurricane of marked intensity and at 8 o'clock Monday morning was central just west of Key West, Fla. At Sand Key the wind was 60 miles from the east. At 10 a. m. the pressure at Key West was 28.94 inches with a wind velocity of 56 miles from the east and a very high sea swell. Storm warnings were ordered Sunday afternoon from Key West to Mobile and changed to hurricane warnings early Monday morning. Hurricane warnings were also ordered on the Atlantic coast as far north as Charleston. The center of the storm will probably pass northward over Florida to-night and Tuesday and be felt Tuesday off the entire south Atlantic coast. All shipping in the affected area has been warned to seek refuge immediately. Hourly observations will be taken and all ports kept advised of the direction of the storm.

MOORE.

In addition to the above the following was telegraphed to Florida Weather Bureau stations:

Hurricane now central near Key West promises to be destructive to life and property over a large portion of the Florida Peninsula. You are authorized to incur any necessary expense and to adopt every reasonable measure to disseminate warnings to the islands, coast cities, and even the interior of the State.

Advices were issued during the day in which the northeast course of the storm was given and the statement made that there was apparently no further danger in the Gulf of Mexico. On the following morning the advices stated that the storm had passed northeastward over the Atlantic beyond the region of observation.

At 6 a. m. of the 11th the disturbance was central west by southwest of Habana, Cuba, and over or near the western portion of Pinar del Rio, and its advance over that Province was preceded and attended by torrential rains and winds of hurricane force. The storm struck Habana and raged for several hours, sinking or stranding small craft in the harbor and prostrating trees and wires and flooding the streets with water. The following are notes made by Mr. Dague, observer, Weather Bureau, during the passage of the storm over Sand Key, Fla.:

By direction of the official in charge at Key West the office was deserted at 8.30 a. m., and the barograph and supplies were carried to the light-house. The signal tower fell at 8.45 a. m., and the sidewalk was carried away. A little later outhouses were washed away. When the station was abandoned the barograph had begun to fall rapidly and the wind had reached a velocity of 75 miles an hour. At 9.15 a. m. the anemometer cups were blown away, leaving only the cross arms. At 9.20 a. m. the top door of the roof was blown away. The wind at this time was estimated at 100 miles an hour, with gusts that exceeded that velocity. Heavy rain was falling, obliterating objects more than 50 feet distant. At 9.30 all trees had been blown down, the atmosphere appeared like a white mist, the island was becoming covered with water, and at 9.35 heavy seas swept over the island and a small cistern was blown over and carried to sea. At 9.45 a. m. the tower on the top of the station building fell, and by 9.50 the plank walks were entirely washed away. The large cistern was swept away at 9.52 and at 10 the entire island was covered with water to a depth of about 4 feet, all sand was washed from the island, and many of the steps of the building had been carried away. At 10.05 the foundation of the Weather Bureau building was nearly inundated and at 10.10 all the steps had been carried away. At 10.30 the building went over with a heavy crash and was immediately washed out to sea. The boathouse was moved from its base.

A heavy swell from the southeast prevailed during the storm. The barometer fell rapidly from 4 to 11.30 a. m., when the minimum reading, 28.37 inches, was registered. A rapid rise then set in that continued until 6 p. m., at which time the weather had moderated. Excessively heavy rain fell until 1 p. m., when it began to decrease and ended at 2 p. m. After the wind had backed to the northwest the swell from the southeast opposed it and caused the water to spray from the top of the swells through the air with the wind. Two windows in the top of the light-house were blown out during the most violent part of the storm and caused a draft through the tower that made it impossible to open the door at the bottom of the tower.

At Key West the barometer at 8 a. m., October 11, stood at 29.42 inches, and fell rapidly to a minimum of 28.50 at 11.45 a. m. This is the lowest barometer reading ever recorded

at that station. (See figs. 1 and 2.) The wind that at 8 a. m. was blowing from the southeast at a rate of 30 miles an hour, shifted to east by 10 a. m., and at 11 a. m. had reached a velocity of 68 miles an hour from that direction. At noon the barometer had risen to 28.60 inches and the wind had changed to northeast and reached 72 miles. By 1 p. m. the wind had backed to northwest, and it continued from that quarter the balance of the day with velocities reaching 72 to 76 miles an hour until 4 p. m. The rainfall at Key West for the twelve hours ending 8 p. m. was 8.12 inches. Hundreds of buildings in Key West were wrecked by the hurricane and, so far as known, six persons were killed and many injured by flying débris. Many vessels were swept from their moorings and some of these were wrecked. The total financial loss in Key West is variously estimated at from $2,000,000 to $3,000,000.

After passing Key West the hurricane swept the Florida Peninsula south of Miami. North of Miami the storm was not severe. On the extension of the Florida East Coast Railroad about 3,000 workmen were withdrawn from dangerous points. J. P. Beckwith, vice-president of the line, states:

> Positively not a life was lost in the storm. Very little damage was done to the right of way or work on the extension. The road will be open to traffic within a few days to Knights Key. Warning by the Weather Bureau enabled us to fully protect all employees and equipment.

The hurricane loss between Miami and Key West is reported to have aggregated millions of dollars, and so far as known 11 lives were lost. Advices also show that the East Coast Railroad officials acknowledge that the Weather Bureau warnings were their salvation. Profiting from the experience of three years ago, when the lives of many men employed on the extension were lost and miles of track were destroyed, the men in charge prepared for the hurricane. The preparations thus made undoubtedly saved hundreds of lives. About Miami the principal damage was to the citrus crops, which were blown from the trees in immense quantities. At Nassau, Bahamas, the storm was felt the night of the 11th, when the barometer fell to 29.37 inches and the wind reached a velocity of 50 miles an hour from the southwest.

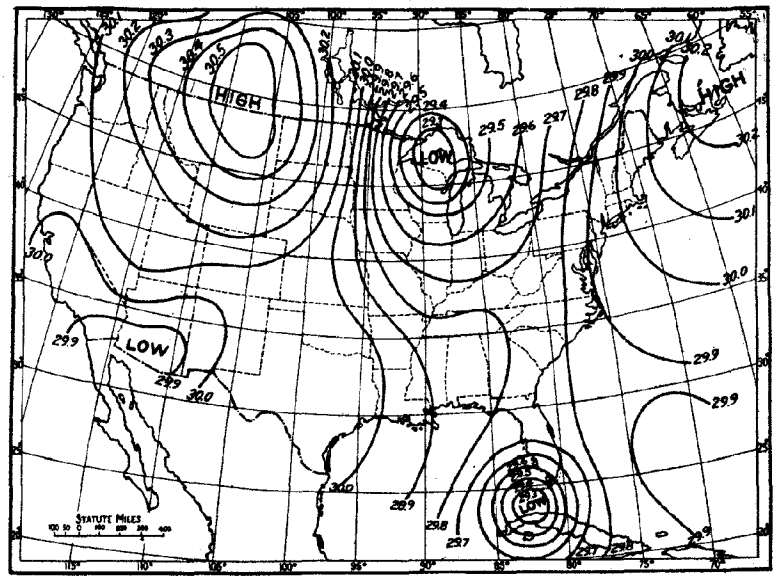

FIG. 1.—Isobars at 8 a. m., seventy-fifth meridian time, October 11, 1909.

While a summary of available information regarding this storm shows that protective measures employed upon the receipt of the warnings reduced losses of life and property to a minimum, it appears certain that many fishermen, spongers, and others in small boats, and dwellers on the low-lying islands or keys that fringe the coast of the southern Florida peninsula that were outside the zone of communication were lost.

The storm of three years ago, above referred to, that struck the Florida keys with destructive force apparently originated over the eastern Caribbean Sea early in the second decade of October, 1906, and drifted westward as a shallow depression that covered practically the entire West Indian region. On the morning of the 17th the center of disturbance had reached a position south of western Cuba, where it recurved to the northeastward and passed near and east of

Habana, Cuba, at 11.30 p. m. of that date, with minimum barometer at Habana, 28.86 inches. By the morning of the 18th the storm center had reached a position near and to the east of Key West, where at 3 a. m. a minimum barometer reading of 29.30 inches was registered. In its passage over Cuba the storm was of small diameter and great intensity, and caused great damage to crops in the Province of Habana. Crossing the Florida keys the barometer fell to 29.25 inches at Sand Key, with a maximum wind velocity of 75 miles an hour. At Key West the maximum velocity was 54 miles an hour. Although the warnings were given the widest distribution, much damage was done on the keys. The quarter boats of the East Coast Railroad extension were carried out to sea and many lives, probably more than 100, were lost. One hundred and fifty men were picked up at sea on wreckage. It is evident that under similar lar conditions the severe storm of October 11, 1909, would have caused a much greater loss of life than was caused by the storm of three years ago.

The following are among many newspaper references that have been made in connection with the Key West storm of October 11, 1909:

Editorial, New Orleans Times-Democrat of October 13:

* * * The Federal Government has done all in its power to protect the people and the shipping by timely warnings of the approach of these storms. The Weather Bureau has been signally successful in these forecasts, being now able to follow a hurricane from day to day and give from five to seven days' notice of its coming, so as to enable all to prepare for it. But in spite of these warnings the storms find many persons unprepared and are able to do harm even when preparation has been made for their reception. * * *

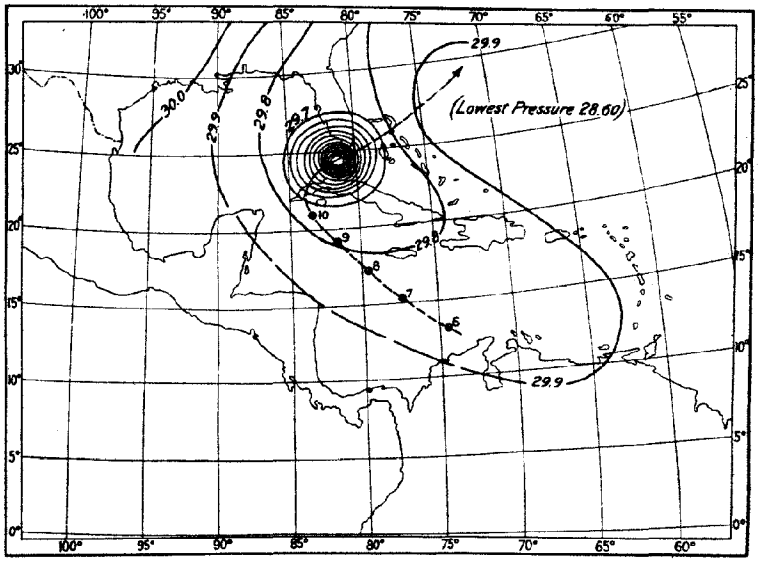

FIG. 2.—Isobars at noon, seventy-fifth meridian time, October 11, 1900.

Editorial, Boston Daily Globe of October 14:

* * * Had it not been for the timely warning, hundreds of men undoubtedly would have been drowned along the route of that marvelous railroad, the creation of Henry M. Flagler and his engineers, which, when the last spike is driven, will bridge no less than 30 miles of open sea and cross at least 30 miles more of submerged keys and lagoons, directly connecting Key West with the mainland of the United States.

The Weather Bureau may make mistakes in some of its predictions (is bound to do so, in fact, in the present state of the science of meteorology); but when the bureau makes good, it should receive due credit and praise.

Editorial, Washington Post, October 14:

The tropical storm that wrought such havoc at Key West on Monday last might have been productive of much greater damage, especially to shipping, had not the Government Weather Bureau given timely notice of its approach. From its inception in the Caribbean Sea west of Jamaica on October 2 until it passed beyond the limits of observation ten days later, every stage of progress was heralded by daily advices and warnings.

On October 10 an increase in intensity of the storm was reported to all interests needing information, and high winds were predicted for that night throughout central and southern Florida. The Weather Bureau observer at Key West hoisted hurricane warnings at daybreak the next day, some five hours before the fury of the storm was experienced, and ordered the Weather Bureau men at the vessel reporting station on Sand Key to leave their building and take refuge in the light-house. This warning undoubtedly saved their lives, for the building was washed into the sea.

Until news could be obtained, much apprehension was felt concerning the large number of workmen at the construction camps of the seagoing railroad on the east Florida coast, but there was no loss of life. For this the company

officials give all credit to the Weather Bureau, reporting that its warnings enabled them to protect the thousands employed on their extension works in that exposed section.

By such records as this the Weather Bureau establishes its worth and offers the best possible answer to its detractors. It may sometimes predict sunshine and give a rainy day instead, but it is at its best in foretelling these great storms. It is safe to say that the saving of loss of life and property resulting from its successful warnings in this one storm will more than compensate for its annual cost many times over.

RIVER AND FLOOD SERVICE.

The protracted drought of the late summer and autumn of 1908 over the watersheds of the great rivers of the eastern portion of the country practically insured immunity from disastrous floods during the following spring unless the rains of the winter and early spring should be more than usually abundant. Fortunately they were not excessive, although in early March conditions became very threatening along the Ohio River and great damage was done along the interior streams of central Kentucky.

The great floods of the year were those of August, in the rivers of the Carolinas and Georgia; of October, in eastern Colorado, Kansas, and Oklahoma; of November and December, in Oklahoma and Arkansas; and of January and February, in California. In South Carolina the stages of water were the highest of record, and the losses and damage in North Carolina, South Carolina, and Georgia amounted to $3,500,000. In Kansas, Oklahoma, and Arkansas the losses of October, November, and December amounted to nearly $7,000,000, and those of January and February in California to about $2,500,000. The floods of March in the Chattahoochee, Alabama, and Tombigbee rivers also caused losses amounting to about $1,000,000. Including the damage from numerous minor floods, the total losses for the year probably amounted to between $16,000,000 and $17,000,000. These losses, though large, were unavoidable.

The forecasting of the floods by the Weather Bureau was characterized by the accuracy that has attended its work in former years, and the value of the property saved by the flood warnings probably equaled the total amount of the losses. The receipt during the year of thousands of testimonials and expressions of commendation is sufficient evidence of the value of the service to the public.

The daily river forecasts for the navigable rivers were also continued with the usual success and with much resulting benefit to the commerce of the watersheds affected.

The service has continued to expand along natural lines, and this expansion must go on in the future if the demands of commerce and agriculture are to be satisfied.

During the year new river districts were established as follows:

(1) Bismarck, N. Dak., with territory comprising that portion of the watershed of the Missouri River from Bismarck westward. This territory was formerly a portion of the Sioux City, Iowa, district.

(2) Wichita, Kans., with territory comprising that portion of the watershed of the Arkansas River from Wichita to the Kansas-Colorado line. This territory was formerly a portion of the Fort Smith, Ark., district.

On July 1, 1909, the new district of Evansville, Ind., will be established, with territory comprising that portion of the watershed of the Ohio River from below Louisville, Ky., to the mouth of the Wabash River. This territory now forms a portion of the Cairo, Ill., district.

The equipment of the river stations has been carefully supervised, a special object being to secure river gages of a substantial and permanent character. During the coming year it is proposed to install several additional automatic gages of the Marvin pattern, if the necessary arrangements can be made.

The study of the flow of the Ohio River has been continued during the year, and the scheme of forecasting has been completed for that portion of the river between Pittsburg and Louisville. The work on the lower river will probably be completed during the coming year, and the scheme for the Mississippi River commenced.

No definite plans for new field work during the coming year have been determined. Its character and extent will depend largely upon the funds available. Increased service is much

needed in portions of Oklahoma and northern Texas, along the eastern tributaries of the upper Mississippi River, and in a few other places. The further prosecution of the snow-measurement service at the headwaters of the western streams, as well as the gradual completion of the irrigation projects by the Reclamation Service, will necessitate the establishment of an adequate number of gaging stations along the streams that derive their water supply from melting snows.

The question of river service over the Yukon River watershed is still in abeyance, owing to the continued absence of the necessary facilities for rapid transmission of reports.

INSTRUMENTS.

The routine work of the Instrument Division has increased greatly during recent years with the increased number of stations and the introduction of many new forms of apparatus, as has also the work of repairing and reconstructing instruments that become unserviceable through wear and exposure.

The only new station to be completely equipped with instruments during the year was Brawley, Cal., but partial equipment has been furnished nine special meteorological stations during that period.

The new and special work of the past year has been as follows:

(1) Installation of kiosks.

(2) Completion of work on installation of automatically recording river gages at Cincinnati, Ohio, and Hartford, Conn., and the starting of similar work at Parkersburg, W. Va.

(3) The development of improved apparatus for the observation and study of evaporation and the equipment of a special station for this purpose at Salt Creek Bridge, Cal.

(4) The perfection of improved apparatus for measuring snowfall.

(5) The development of new apparatus for the measurement and registration of temperature and solar radiation.

(6) Seismological work.

The more important details of these different items of work may be thus described:

KIOSKS.—As mentioned in my last report, this device consists of an ornamental iron structure devised for installation on public thoroughfares or in parks for the purpose of exhibiting meterological charts and bulletins and for maintaining certain meteorological instruments showing the temperature, humidity, rainfall, etc. During the past year structures of this character, with their appropriate equipment, have been assigned to twenty-one of the more important cities of the country, and all but five have been installed. The experience thus far has been that the kiosk meets a public need and is an object of general interest wherever located.

AUTOMATIC RIVER GAGES.—The introduction of automatic river gages at a few of the more important river stations has been of great value to local interests. They indicate in the local offices of the Weather Bureau the stage of the river, although the reading is not at present automatically recorded. These gages have been especially valuable in flood seasons, enabling the observers to answer promptly all inquiries concerning the stages of the river. The importance of an automatic record of the stages is recognized, and experiments have been made during the past year to devise a suitable recorder, which it is proposed to test at Parkersburg, W. Va., upon the completion of the river gage equipment at that place.

EVAPORATION OBSERVATIONS.—Mention was made in my last annual report of a special form of float for obtaining observations of evaporation by means of dial readings. The structural details of this float were improved during the year. A special form of magnifying burette tube was also devised. Two improved forms of apparatus for automatically recording evaporation have likewise been developed. One of these operates on the principle of the tipping bucket device employed in the measurement of rainfall, the water lost by evaporation from the pans being supplied at intervals by means of a tipping bucket that measures and records the amount. The other operates on the principle of a float, and is designed to record the wind movement in close proximity to the evaporation pan, as well as the amount of evaporation. All of these

instruments will be used at the evaporation station at Salton Sea, and at other places where evaporation studies are to be carried on.

MEASUREMENT OF SNOWFALL.—The importance of securing precipitation records for the unpopulated regions of the West has led to a study of possible methods by which accurate precipitation measurements, especially snowfall, may be obtained. The measurement of the depth of snow gives but an imperfect idea of the amount of water represented by a given layer. A special form of collector and scale gage has been devised to enable the water equivalent of the snow to be determined directly by dial readings. It is believed the introduction of this device will greatly increase the accuracy of observations of this character.

ELECTRICAL MEASUREMENT OF TEMPERATURE AND SOLAR RADIATION.—Over a year ago we introduced at a number of stations a form of electrical thermometer that would indicate in the Weather Bureau office at any moment the temperature of the air in the instrument shelter on the roof. The telethermoscope, as the instrument is called, measures the temperature by the variation in the electrical conductivity of a wire. Special pains have been taken to secure instruments of unquestioned accuracy. This has led to repeated tests, through which certain errors and discrepancies in temperature scales have been harmonized and a much more accurate grade of instruments obtained.

SOLAR RADIATION.—The apparatus for recording sunshine, and another apparatus for the absolute measurement of solar radiation, procured over a year ago, proved defective in mechanical construction. They were returned to the manufacturers and have only recently been received back. Preliminary examinations indicate that the original defects have been remedied, and it is now hoped to obtain satisfactory records through their use.

SEISMOLOGICAL WORK.—The seismological work has consisted in the maintenance of records from the two instruments on hand. The absence of special provision for this work, and the lack of sufficient force to take up these studies actively, make it impossible to carry the work forward in a satisfactory manner. The United States Government is, in many respects, far behind other nations in giving seismological work its proper status, and the progress in other countries, especially throughout Europe, has been very marked during the past few years. Great improvements have been made in instrumental appliances, but much still remains to be done before these instruments can be placed in the hands of any except specially trained observers.

SEATTLE EXPOSITION.—The Instrument Division indirectly supervised the preparation of the exhibit made by the Weather Bureau at the Alaska-Yukon-Pacific Exposition at Seattle, Wash., although this work was immediately in charge of the official assigned in charge of the exhibit, who looked after all the details and utilized, as far as practicable, the material remaining available from former expositions. It is believed that a very creditable and interesting exhibit of the bureau has been realized.

CLIMATOLOGICAL DIVISION.

On July 1, 1908, the work of the climatological division was largely reorganized. The supervision of forecast distribution was transferred to the distributing division, while the preparation of matter for publication in the monthly Weather Review and annual report of the chief of the bureau, and the preparation of general climatological data, together with the custody of the completed meteorological records of the bureau, were carried over from the old records division, which was discontinued on June 30, 1908.

The collection and publication of climatological data in the form of monthly and annual section summaries for each of the forty-four section centers and the daily bulletins of the corn and wheat, cotton, and sugar and rice regions, have continued without material change.

The National Weather Bulletin was issued weekly during the crop-growing season, and monthly thereafter, as in the past, as also the weekly summary of snow and ice conditions, and the monthly snowfall bulletins of the Mountain and Plateau States during the winter season.

At the close of the crop season of 1908 the issue of weekly bulletins during the crop-growing

season was permanently discontinued at all the section centers, except Iowa, Hawaii, and Porto Rico.

Inquiries on various subjects, dealing mainly with special climatic features of the various portions of the United States and its dependencies, showed marked increase, more than 2,500 such letters having been received during the year. Many of these included requests for certified data, for use in courts. All were promptly answered, and the information desired furnished as far as practicable.

No effort has been made to increase the number of reporting stations in eastern districts, in view of the large amount of data already available from those regions. In the districts west of the Rocky Mountains the opening up of new territory to settlement has necessitated the establishment of additional observation stations to meet the requirements of home seekers and others as to the prevailing climatic conditions.

Considerable progress has been made in compiling the climatological data collected during the past forty years in form convenient for ready reference. Small bulletins, 106 in number, covering the entire area of the United States, are being prepared, each of which will contain tables showing for a comparatively large number of points in the respective districts the details of precipitation by months and years, and a summary of temperatures, winds, frosts, and other important climatic features. The water resources branch of the United States Geological Survey is furnishing valuable data regarding stream flow and water power where such measurements have been made, for incorporation in these bulletins.

During the year the organization of the climatological service in cooperation with the associated bureaus, namely, the Forest Service and Bureau of Plant Industry of the Department of Agriculture, the Reclamation Service and water resources branch of the United States Geological Survey, and the office of Indian Affairs, has been perfected, so that the operations are now mutually satisfactory and promise a wide field of usefulness. This cooperation is at present engaged upon two problems, the law of evaporation from large bodies of water and the recording of snowfall in the Rocky Mountain and Pacific coast ranges, from which the waters to supply the irrigation reservoirs are derived.

EVAPORATION.

Construction work at the Salton Sea, California, where the principal studies of evaporation will be conducted, has been completed and a camp established at the Salt Creek Trestle, with subordinate stations at Indio, Mecca, Brawley, and Mammoth—all in the Imperial and Coachella valleys of California.

Preliminary evaporation observations at Reno, Nev., and Indio and Mecca, Cal., enabled the campaign to be organized with the direct purpose of attacking certain unsolved features in the problem. It is hoped that the observations made during the next year or two will give the necessary data for a complete discussion of the subject.

In the summer of 1908 arrangements were made for evaporation observations at twelve of the projects of the United States Reclamation Service, as well as at four evaporation stations in charge of the water resources branch of the Geological Survey in the territory east of the Mississippi River. In this way simultaneous measurements of evaporation will be made in every type of climate, varying from the extremely dry climate of southern California, through the semiarid regions of the Rocky Mountain Plateau, to the humid climates of the Eastern and Southern States.

SNOWFALL IN THE MOUNTAIN REGIONS.

In the measurement of snowfall in the mountain regions, stations have been established in the Rocky Mountain and Pacific States, where comparative observations are being made with several kinds of apparatus, namely, a large snow bin, which is a 5-foot cubical box standing on stilts 5 feet above the ground; a standpipe, which is a galvanized-iron pipe 10 feet high and 10 inches in diameter, provided with a movable section at the bottom; a large platform on the ground, about 10 feet square; small vertical scales fixed against posts, tree trunks, etc., in the

open; and finally, the ordinary Weather Bureau snow gage. It is proposed to vary the attachments on the snow bin by putting louvers on the inside and certain forms of screens or catches near the top of the bin, which will tend to extract from the horizontal sheet of air blowing at a high velocity an amount of snow equivalent to that which would fall vertically into a bin in a calm. This is a mechanical problem, but it must be worked out by actual experiment in addition to what suggestions can be derived from theoretical construction.

The results of experiments thus far indicate that the snow bin is capable of development, but that the long standpipe, the large platform, and the small snow gage have such serious defects that they are not very promising. The vertical snow scales will be distributed widely in the remote regions of the mountains, where they can be visited on occasional trips, especially during the latter half of the winter.

There are, of course, large areas in these mountains where observers can not be secured, but the districts will be covered as far as possible. About 300 snowfall stations were all that could be established this season, as the campaign did not properly open until some snows had fallen in the early winter, after which it became difficult to make the necessary journeys into the mountain districts.

The associated bureaus are rendering efficient and valuable service in securing observers, installing stations, and making special observations. The Forest Service has submitted numerous interesting suggestions regarding a device for storing the snowfall of a whole season, which it is very desirable to develop, but until the problem of separating the drifting snow from the falling snow is much nearer solution than at present it will not be practicable to put such mechanism into successful operation.

NEW METHODS OF PUBLICATION.

With a view to consolidating and unifying the climatological data of the Weather Bureau for their more convenient use by agriculturists, transportation companies, and engineers engaged in the conservation of water resources, and for a study of certain forest problems, it has been thought proper to remodel the system of publications in the following manner, beginning with July, 1909:

The United States has been divided into 12 large districts, each one covering a natural drainage area as determined by the topographical divides, and these will be made the units of publication. The section directors will contribute their quota to the several divisions, and district editors have been charged with preparing data for publication. Each district will prepare a general summary of the climatic conditions and a series of tables, giving the general climatology for the month, the daily precipitation at a large number of stations, and the maximum and minimum temperatures at a number of selected stations. Two charts, one showing the distribution of the monthly precipitation and the other the temperature changes, will accompany the summary and tables. The district editor will forward the copy to the central office in Washington, where it will be finally edited and printed and incorporated in the Monthly Weather Review. This Review will contain the usual text for the river and flood service and the forecast and storm warning service, and such strictly climatological articles as may be assigned to it. It may be that the five bureaus associated with the Weather Bureau will make suitable monthly contributions, showing the relation of the climatological and meteorological data to their practical uses from the point of view of the engineer, the forester, and the agriculturist.

The prospective development of the subject of the conservation of the natural resources of the United States, whether of soils, water power, navigation, or forests, would seem to call for some general journal representing the mutual interests that exist between these branches of the Federal Government. Since temperature and precipitation form the two essential features of climate, and since the records of the Weather Bureau form an invaluable basis upon which to build scientific and practical studies, it would seem natural that the Monthly Weather Review should attempt to cover this field of usefulness. The more strictly scientific papers in the interests of meteorology will be printed in the quarterly bulletin of the Mount Weather Observatory, or in separate form.

The editing of the Monthly Weather Review has been transferred to the climatological division and it will be amalgamated with the monthly section climatological reports. The annual report of the chief of bureau will receive some slight modifications, so as to avoid duplicate publication of climatological data.

MARINE DIVISION.

This division is charged with the collection and compilation of ocean meteorological data, the supervision of the wireless telegraph weather service, and the work of the vessel-reporting service.

Twenty-three Weather Bureau stations act as marine centers in the furtherance of this work. All but two have been supplied with a standard marine barometer, model shelter, and thermometers for exhibition and for use in making comparisons with ships' instruments. Upon their arrival at any of these centers, or at any foreign port, vessels are requested to furnish comparative readings of their barometers in order that the proper correction may be furnished.

Marine forms, cloud and ocean charts, pamphlets of instructions, etc., are kept on hand at the marine centers and the American consulates for filling requests from cooperating observers. Under an arrangement with the State Department, 95 American consulates receive marine forms and forward them to Washington with their official mail.

During the last fiscal year 2,201 vessels of all nationalities cooperated with the bureau, reporting pressure, temperature, wind, and other meteorological data. The data thus obtained are used in the preparation of the monthly pilot charts issued by the Hydrographic Office and the meteorological charts issued by the Weather Bureau.

To increase interest in this work, the bureau has published a calendar for the use of mariners, which it furnishes to the captains of cooperating vessels, in addition to the usual supply of ocean and cloud charts.

DAILY SYNOPTIC CHARTS.

The data placed on these charts are used in determining the storm tracks and in the preparation of the statement of average conditions of wind and weather that appear monthly on the pilot and meteorological charts. Each monthly chart for the North Atlantic Ocean is based on an average of 3,150 reports, and that for the Pacific on 1,020 reports.

PILOT CHARTS OF THE OCEANS.

The revision of the meteorological data for the pilot chart of the North Atlantic Ocean, for the Hydrographic Office, has been completed. The chart contains pressure normals covering a period of eighteen years, and temperature normals and wind rose data for twenty-five years, all based on a large number of observations for each 5-degree square of latitude and longitude. Averages of the direction and force of the wind and the percentage of gales and calms cover a period of twenty-five years.

The revision of the meteorological data for the North Pacific Ocean Pilot Chart, for the Hydrographic Office, has been completed, giving new normals of pressure and temperature, wind rose data, averages of the direction and force of the wind, and the percentage of gales and calms for periods of twenty to twenty-five years.

Beginning with the winter season, June, July, and August, a chart for the South Atlantic Ocean, giving the prevailing winds, calms, trade-wind limits, and percentage of gales, together with an inset chart of normal pressure and temperature, was furnished to the Hydrographic Office for publication on the Pilot Chart. The data are furnished forty days in advance of the date on which the chart is issued. This is the first publication of the Pilot Chart of the South Atlantic since the last issue of Lieutenant Maury's chart in 1859.

At the request of the Hydrographic Office, the compilation of the meteorological data for publication on the Pilot Chart for the South Pacific Ocean was taken up, and has been so far advanced that the data will be published for the summer season, December, January, and February. This will mark the resumption of the South Pacific Pilot Chart, not published since the last issue of Lieutenant Maury's chart in 1859.

Some of the data for the Indian Ocean are entered on the charts for the South Atlantic and some on those for the South Pacific. All meteorological reports received from vessels sailing this ocean are sent every six months to the meteorological office, Simla, India, where they are copied and then returned to this office.

FOG.

The revision of the entire fog data for the North Atlantic chart has recently been completed. The necessity for this revision was emphasized by Mr. James White, geographer, department of the interior, Ottawa, Canada, in his request for data relating to the northern route to Europe and the central fog banks of Newfoundland. Mr. White has been furnished with a complete set of fog charts, for which acknowledgment has been made.

METEOROLOGICAL CHARTS OF THE OCEANS.

To meet the demands of vessel captains and others interested, meteorological charts of the North Atlantic, North Pacific, and South Atlantic oceans have been published, showing pressure and temperature normals, trade-wind limits, storm tracks, percentage of gales and fogs, prevailing winds and calms, and average conditions of wind and weather over each ocean. The storm-warning signals used by all the countries of the world, symbols showing the wireless telegraph and life-saving stations, and much other information of value to seafaring people also appear on the charts. The first issue of 3,000 North Atlantic, 1,500 North Pacific, and 1,000 South Atlantic charts fell short of the demand from marine stations, American consuls, vessel captains, and others, so the next issue was increased to 5,000 North Atlantic, 2,500 North Pacific, and 2,000 South Atlantic charts.

WIRELESS TELEGRAPH SERVICE.

Reports of marine observations by wireless telegraph service have been discontinued on the Atlantic. The work has been taken up by the Weather Bureau officials at San Francisco, Cal., and Portland, Oreg., but trouble has been experienced in utilizing these observations on the Pacific coast, on account of the short distance that messages can be sent.

The Weather Bureau official in charge at San Francisco has made arrangements with the Toyo Kisen Kaisha Company, and also with the United States army transports plying between San Francisco and the Philippines, for regular messages. The messages are handled by the United Wireless Company and the naval wireless land stations and delivered without cost. Wireless reports are also received from the steamers of the Matson Navigation Company. These reports are utilized at San Francisco in connection with the forecast work. The Weather Bureau official at Portland, Oreg., has arranged with the manager of the Marine Transportation Company and with vessels of other companies plying between Portland, Seattle, and Alaska to have wireless messages sent to his station. These reports are received at Cordova or Katalla, Alaska, and transmitted by cable by the wireless telegraph companies free of charge, thus enabling the Portland official to get the reports when the vessels are farther up the coast. During the last fiscal year 177 reports were made, but only 29 were received in time to be utilized in the forecast work at Portland.

VESSEL-REPORTING SERVICE.

In addition to their meteorological work, the stations at Block Island, Cape Henry, Jupiter, Sand Key, Southeast Farallon, and North Head are required to report all passing vessels, wrecks, marine disasters, and casualties, and to transmit communications between masters, owners, underwriters, and others interested. The stations at Cape Henry, Jupiter, and Sand Key are equipped for signaling by international code, and are prepared to transmit messages by telegraph. Sand Key can also receive messages by flashlight signal—Morse code. Each vessel-reporting station has a list of names of the vessels that belong to the various companies, and immediately upon sighting a vessel a message is sent to the owner and the Maritime Exchange.

At Cape Henry the office is kept open day and night. That station reported 18,093 vessels, received and delivered orders from 853 vessels, reported 17 wrecks, sent regular reports to 89 firms and 5 maritime exchanges, and other reports to 1,424 private individuals during the year. The pilot boats and other vessels off Cape Henry are notified of the noon hour each day by dropping the time flag, similar to the dropping of a regular time ball, the time being sent by the Western Union to the office. This attention is much appreciated by tugboats and other vessels off the capes.

During the year Jupiter sent 586 messages, North Head 1,890, Point Reyes 902, Southeast Farallon 193, Sand Key 1,594, Tatoosh Island 1,664, and Port Crescent 176; in all, including the Cape Henry service, a total of 25,220 messages. In connection with this enormous service only one complaint was received, and upon investigation the official charged with blame was entirely exonerated.

LIBRARY.

Through the addition of 1,061 books and pamphlets to the library during the fiscal year the total number has reached about 29,000. Important accessions include an extra file of the Meteorologische Zeitschrift, 1884–1908, and a file of the Bulletin of the Imperial Academy of Sciences of St. Petersburg, volumes 6–25, inclusive.

A large number of purchases were made for the purpose of duplicating the more important works in the library in order to have copies available for lending to stations.

A "Brief List of Meteorological Text-books and Reference Books" was prepared for publication by the librarian and issued toward the end of the year. This compilation was designed to guide the librarians of large general, scientific, and university libraries in the United States in selecting meteorological literature for their collections, and also to provide a ready means of complying with the many requests received by the bureau from teachers, students, and others for the titles of books dealing with meteorology and its several branches.

The library has recently been made a depository for the printed catalogue cards of the Library of Congress for all publications on meteorology and climatology. Arrangements have also been made whereby surplus publications on these subjects received by the Library of Congress are turned over to the library of this bureau.

EXAMINATIONS FOR PROMOTION.

The total number of examination papers received during the year was 223, as compared with 236 during the preceding year. Following is the record in detail:

NUMBER OF EXAMINATION PAPERS RECEIVED.

Subject.	1908.		1909.		Total.	Passed.	Failed.
	August.	November.	February.	May.			
English grammar	7	5	14	14	40	23	17
Arithmetic	3	7	14	12	36	29	7
Elementary meteorology	6	3	9	9	27	24	3
Algebra	2	1	8	11	22	22	0
Physics	4	4	3	8	19	15	4
Trigonometry	3	3	4	5	15	15	0
Essay writing	5	3	10	9	27	16	11
Astronomy	2	4	2	3	11	11	0
Plant physiology	3	4	3	6	16	16	0
Advanced meteorology	2	0	4	4	10	10	0
Total	37	34	71	81	223	181	42

The examination in English grammar has been put upon a more satisfactory basis by the adoption of a specified text-book as authoritative in rating papers. This action was taken in view of the diversity of opinion among grammarians on many points involved in this examination.

STUDENTS FROM FOREIGN COUNTRIES.

In November, 1908, the governor of the State of Jalisco, Mexico, sent two young men to Washington to study general meteorology and Weather Bureau methods, preparatory to the establishment in his State of a climatological and forecast district cooperating with the general meteorological service of Mexico, and patterned after the climatological and forecast districts in the United States.

At about the same time the Mexican Government sent two young men from its Central Meteorological Observatory to Washington to study modern meteorology and its practical applications as exemplified in the work of the Weather Bureau, especially as applied to weather forecasting.

The immediate supervision of the meteorological education of these young men was assigned to one of the professors, who arranged a brief course in theoretical meteorology, consisting in part of lectures by himself and other members of the scientific staff, and in part of written work based on a course of reading suggested by him. In addition, the students were given access to the apparatus in the observatory and in the instrument division, to the manuscript weather maps in the forecast division, and to the meteorological literature and data in the library. Individual students also specialized on lines of work in which they were particularly interested.

Arrangements were also made for visits to the central offices of climatological and forecast districts and to the research observatory at Mount Weather, Va.

The students from Jalisco returned to Mexico after about six months of study. They have already entered upon the work of organizing a meteorological service for their State, and the governor of Jalisco has expressed himself as well pleased with the results of their visit to this country.

One of the students from the Mexican Central Observatory is now at the Mount Weather Observatory and the other at the station at Burlington, Vt.

SCHOOL OF INSTRUCTION.

The work of instructing assistant observers at the central office was begun the 1st of November with a class of 10 young men, all of whom had passed the required civil-service examination and received probationary appointments.

The course of instruction includes the study of Station Regulations and the Weather Cipher Code; practicing typewriting and telegraphy; taking, recording, and telegraphing observations; preparation of meteorological forms; charting weather conditions as reported twice daily from all stations in the United States and Canada; care of meteorological instruments; and the various other duties performed at stations.

Of this class, one was transferred to another branch of the government service and the others were all qualified for station assignment by the 1st of April.

A second class of 9 probationary appointees was formed in March. Four are now ready for station assignment and the others will be ready within a few weeks.

Three Mexican students took most of the course of instruction with the first class.

At such times as it could be done without interfering with their regular work, 9 compositors of the Weather Bureau and 1 probationary appointee were instructed in translating cipher reports, casting chalk-plate weather maps, and the necessary knowledge of presswork in connection therewith. These men are now all thoroughly competent to do station printing.

DISTRIBUTING DIVISION.

The distributing division came into existence on July 1, 1908. It is charged with the general supervision of weather forecast and special-warning distribution, and has administrative control of the storm-warning display stations of the bureau. With a few exceptions, it sees to the distribution of all weather maps, forecast cards, and meteorological forms. It has the custody and distribution of Weather Bureau publications and handles all newspaper clippings. The examination and correction of all meteorological forms, except those of the marine division, and the examination of station weather maps and forecast cards, also form a part of the duties of this division.

DISTRIBUTION OF WEATHER FORECASTS AND SPECIAL WARNINGS.

The daily weather forecasts are sent by telegraph or telephone at government expense to 2,370 places for redistribution by various means; this number is slightly greater than at the close of the previous year. The distribution by telephone is now the most prompt and effective means employed. In a few States there has been a reduction in the number of telephone companies cooperating gratuitously in this work and in others an increase.

The following table gives in detail the number of forecasts and special warnings distributed in the various States and Territories of the United States:

DISTRIBUTION OF DAILY FORECASTS AND SPECIAL WARNINGS.

State.	At government expense.			Without expense to United States by—				
	Forecast and special warnings.	Special warnings only.	Emergency warnings.	Mail.	Rural delivery.	Telephone.	Railroad train service.	Railroad telegraph
Alabama	33	3	139	1,106	416	4,715	0	96
Arizona	8	1	0	203	0	3,294	0	0
Arkansas	38	8	102	652	517	24,947	0	13
California	121	36	0	1,452	4,059	65,592	0	0
Colorado	18	61	39	1,410	1,682	21,400	0	0
Connecticut	16	0	49	1,389	50	61,269	141	0
Delaware	9	0	0	98	296	4,865	0	29
District of Columbia	0	0	0	1,488	0	10,000	0	2
Florida	36	113	32	1,056	263	7,406	0	58
Georgia	41	31	241	2,071	1,307	23,772	0	214
Idaho	19	0	0	710	360	14,542	0	0
Illinois	111	0	468	3,065	2,809	319,662	0	17
Indiana	115	1	208	2,201	1,620	148,611	0	66
Iowa	62	6	400	2,276	3,319	255,185	25	0
Kansas	100	1	186	1,337	2,440	126,328	0	15
Kentucky	43	32	96	1,693	788	67,289	0	1
Louisiana	77	24	61	632	328	17,197	0	16
Maine	16	1	40	1,076	877	12,764	0	0
Maryland	22	4	42	1,855	980	8,459	0	82
Massachusetts	23	12	63	3,173	210	8,950	78	0
Michigan	86	1	379	4,689	374	121,650	279	371
Minnesota	84	4	196	2,293	4,146	141,000	0	18
Mississippi	44	7	118	1,168	958	22,456	0	6
Missouri	45	0	240	3,384	2,121	244,705	0	26
Montana	11	21	18	480	0	10,424	0	0
Nebraska	84	1	221	1,103	408	113,846	0	0
Nevada	6	0	0	68	0	907	0	0
New Hampshire	20	0	34	902	1,429	2,352	15	0
New Jersey	30	18	45	1,198	0	21,762	0	187
New Mexico	11	1	0	74	0	4,451	0	17
New York	140	45	365	7,063	2,194	321,084	196	158
North Carolina	87	12	189	782	2,160	16,978	0	0
North Dakota	24	0	99	213	1,889	14,470	0	0
Ohio	100	192	312	6,568	1,384	458,644	24	26
Oklahoma	33	1	17	665	1,105	7,701	0	192
Oregon	10	0	0	500	183	11,456	0	0
Pennsylvania	86	11	367	3,918	1,718	154,878	1	499
Rhode Island	5	0	12	490	0	908	11	0
South Carolina	33	9	109	878	612	4,730	0	40
South Dakota	64	11	77	795	250	30,576	0	0
Tennessee	55	3	291	1,113	1,050	22,946	0	3
Texas	147	53	240	975	2,149	54,443	0	59
Utah	8	35	0	111	826	31,806	0	0
Vermont	16	0	46	489	701	13,857	12	8
Virginia	61	4	96	1,388	1,618	22,931	101	70
Washington	24	1	0	760	1,091	2,786	0	0
West Virginia	30	7	55	908	7	28,749	0	16
Wisconsin	112	7	298	2,520	2,208	51,391	0	0
Wyoming	6	4	8	125	0	8,751	0	0
Total	2,370	782	5,998	77,563	53,402	3,143,985	883	2,305

STORM-WARNING DISPLAY STATIONS.

Storm-warning display stations on the Atlantic, Pacific, and Gulf coasts and on the Great Lakes have been maintained at 318 places, so distributed as to serve best the needs of the marine interests. The display of storm warnings has been discontinued at 18 stations, while this service has been established at 10 stations during the year.

The following statement gives the number of stations, arranged under district centers, receiving storm warnings:

Centers.	Paid stations.	Cooperative stations.	Weather Bureau stations.	Naval wireless stations.
Alpena, Mich	6	0	1	0
Atlantic City, N. J	1	6	2	0
Baltimore, Md	3	1	0	0
Block Island, R. I	1	0	1	0
Boston, Mass	23	8	3	4
Buffalo, N. Y	11	2	1	0
Charleston, S. C	5	1	1	0
Chicago, Ill	25	1	0	0
Cleveland, Ohio	10	0	1	0
Corpus Christi, Tex	2	0	1	0
Detroit, Mich	0	1	1	0
Duluth, Minn	5	0	1	0
Eastport, Me	0	0	1	0
Erie, Pa	1	0	0	0
Escanaba, Mich	2	0	1	0
Eureka, Cal.[a]	0	0	1	0
Galveston, Tex	4	3	1	0
Grand Haven, Mich.[a]	0	0	1	0
Green Bay, Wis.[a]	0	0	1	0
Houghton, Mich	2	2	1	0
Jacksonville, Fla	6	4	1	0
Jupiter, Fla	1	0	1	0
Key West, Fla	0	0	2	0
Los Angeles, Cal	1	3	0	0
Marquette, Mich	1	0	1	0
Milwaukee, Wis	9	0	1	0
Mobile, Ala	4	0	1	0
Nantucket, Mass.[a]	0	0	1	0
New Haven, Conn	2	0	1	0
New Orleans, La	4	2	1	0
New York, N. Y	5	7	1	3
Norfolk, Va	6	2	4	2
Pensacola, Fla	4	0	1	0
Philadelphia, Pa	4	0	1	0
Port Huron, Mich	4	1	1	0
Portland, Me	3	4	1	0
Portland, Oreg	7	4	7	0
Providence, R. I	1	0	0	0
San Diego, Cal	0	2	1	0
Sandusky, Ohio[a]	0	0	1	0
San Francisco, Cal	2	6	4	5
San Juan, P. R	0	0	0	2
Sault Ste. Marie, Mich	5	0	1	0
Savannah, Ga	4	2	1	0
Tampa, Fla	3	2	1	0
Toledo, Ohio[a]	0	0	1	0
Wilmington, N. C	3	2	1	0
Total	180	66	57	16

[a] Not centers.

The following table shows the number of publications received and distributed at the central office:

Title.	Received.	Distributed.
Annual Report of the Chief of the Weather Bureau	1,000	865
Annual Summary of the Monthly Weather Review	9,600	9,250
Bulletin of the Mount Weather Observatory	3,300	2,531
Monthly Weather Review	47,800	46,675
National Weather Bulletin	71,865	69,765
Snow and Ice Bulletin	22,225	21,375
Washington Weather Map	474,055	449,530
Special bulletins, etc	7,500	5,338
Miscellaneous publications	.....	3,928
Total	637,345	609,257

The nearly 4,000 miscellaneous publications distributed during the year represent the action taken upon as many or more letters of request received from various sources.

STATION PUBLICATIONS.

Daily weather maps are issued at 112 stations. At 33 stations the maps are printed, and at 79 are issued by duplicating process. The total number of maps issued during the year at all Weather Bureau map stations was about 10,500,000. The Boston station leads in the issue of weather maps, considerably more than a half million copies having been printed and distributed during the year, while Chicago and New York each printed and distributed more than 400,000.

Daily weather bulletins (Forms No. 1038—Met'l) were issued at 12 stations, the total annual output being about 125,000 copies. These bulletins are prepared by duplicating process.

TELEGRAPH DIVISION.

The Norfolk-Hatteras section of the Weather Bureau telegraph and telephone lines was maintained in good condition during the entire year, but frequent short interruptions occurred, due to leaks in the submarine cable between Nags Head and Manteo, N. C. In the vicinity of the Duns at Nags Head lightning is usually very severe, and has caused frequent trouble by burning out the lightning arresters, shattering poles, and on two or three occasions escaping into and rupturing the cables at Shallow Bag Bay and Oregon Inlet, North Carolina. A cable from the southern end of Roanoke Island to Chicamacomico, N. C., 20 miles in length, is urgently recommended. It would do away with the trouble that frequently occurs at Oregon Inlet, New Inlet, on the low flat beaches on Bodys Island, and in the vicinity of Nags Head. The new cable and 6 or 8 miles of land line would cost about $25,000.

The Beaver Island section from Charlevoix to St. James, Mich., was interrupted in St. James Harbor, August 27, 1908, by the screw steamer *Fanny Hart*, of the Green Bay Transportation Company, accidentally fouling and breaking the submarine cable, which was repaired September 9, 1908, at a cost of $37.

The Southeast Farallon-Point Reyes-San Francisco section has been out of order during the entire year, due to trouble in the submarine cable between Drakes Bay and the Southeast Farallon Island. The cable was first tested on August 7, 1908, and was underrun and tested from ten different places, several miles apart, between the above-mentioned points on March 14, 15, and 16, 1909. It was found defective at all of the ten places, due probably to earthquake ruptures and burrowing of teredoes. Deep water and sandy bottom can be secured all the way for a new cable from 2 or 3 miles north of Point Reyes, excepting the landing in the bight at Southeast Farallon Island, where for one-fourth of a mile rocky bottom will be found. It will cost about $24,000 to put down a new cable between Southeast Farallon Island and Point Reyes Light. The land line from Point Reyes Light-House to Point Reyes, or Olema railroad

station, is about 22 miles in length, and is in poor condition. The official in charge at San Francisco has been directed to report as to the cost of putting the line in first-class order.

The remaining sections of the Weather Bureau telegraph and telephone lines conducted business with little or no interruption, and at small expense for repairs.

PUBLICATIONS DIVISION.

The printing of the Washington Daily Weather Maps, Monthly Weather Reviews, Weekly and Monthly National Weather Bulletins, Snow and Ice Bulletins, and the Bulletin of the Mount Weather Observatory has continued during the year. The distribution of the various publications was transferred to the Distributing Division.

Forms, maps, and forecast cards have been supplied to all stations.

The publication of meteorological charts of the oceans was begun, and the Weekly Weather Bulletin, which had been discontinued at the close of the season of 1908, was resumed on May 18, 1909.

The mechanical equipment was enlarged by the addition of a Harris press and a folding machine.

For use in disseminating forecasts there were printed:

Station maps	10,025,000
Forecast cards	21,978,316
Rural delivery slips	4,547,250
Total	36,550,566

The following statement shows the amount of work done:

	No. of copies.
Monthly Weather Review, May, 1908, to March, 1909, inclusive, and the Annual Summary, 1908	57,175
Bulletin of the Mount Weather Observatory, Nos. 3 and 4, 1908, and No. 1, 1909	3,300
Maps DD and E for station use	7,803,900
Forecast cards for stations	21,978,316
Rural delivery slips	4,547,250
Blank forms for office and station use	4,139,640
Miscellaneous work	960,071
Daily River Stages, Part VIII (completed during the year)	500

The following shows the work of the lithograph presses:

Daily weather maps	472,695
Charts for the Monthly Weather Review	424,960
Ocean charts	15,080
Snow and ice bulletins	22,225
National weather bulletins	67,075
Manifold maps	19,460
Maps A for station use	50,335
Miscellaneous charts and forms	91,040
Charts for the Forest Service	79,990

In addition to the above, 2,225,000 Maps DD and E were printed at the office of the Public Printer.

DIVISION OF SUPPLIES.

To the usual routine work of the division there was added the issuing of our own bills of lading, except in a few special cases, for all freight shipments of the Bureau, both from Washington and from stations. Prior to the adoption of this method all bills of lading were issued by the Quartermaster's Department. The change has resulted in expediting shipments two or more days in every instance.

Economy in the purchase of the necessary supplies, without impairment of standard quality, has been kept constantly in view. Material reductions in the prices of duplicating ink and stencil paper for the coming year have been among the results.

Greater security of our stock of supplies from interference by unauthorized persons was effected by closing the aisles in the main storerooms with strong wire mesh work fitted with

collapsible iron doors or mesh-work sliding doors, that are kept locked during the absence of the storekeeper or his assistant.

OBSERVATORY BUILDINGS.

The appropriation bill for the fiscal year 1909 authorized the completion of the cottage and office building and the physical laboratory building at Mount Weather, Va., the erection of a main observatory building to replace the building that was destroyed by fire on October 23, 1907, and the construction of a central heating and power station. The cottage and office building was completed in the latter part of September, 1908, and the physical laboratory building on March 1, 1909. The central heating plant was finished about December 15, 1908; a boiler, engine, and dynamo have been installed therein, and it is now in operation and is supplying all the heat and power required at Mount Weather.

The main observatory building is in course of erection and rapid progress is being made toward its completion. It is built mainly of brick, tile, and concrete, with a view of making it fireproof. Under the terms of the contract this building will be completed about March 1, 1910, but at the present rate of progress it is likely that it will be ready for occupancy at an earlier date.

The appropriation bill for the fiscal year 1909 also provided for the erection of seven observatory buildings, to be located outside of Washington, D. C., at a total cost of $105,000. These buildings are now under way at Abilene, Tex., Canton, N. Y., Dodge City, Kans., East Lansing, Mich., Northfield, Vt., Richmond, Va., and St. Joseph, Mo., and it is expected that all of them will be completed and occupied not later than February 1, 1910.

The following table shows where the buildings owned by the Weather Bureau are located, and gives the cost of the buildings and grounds:

BUILDINGS OWNED BY THE WEATHER BUREAU.

Location.	Cost of ground.	Cost of buildings.	Total cost.
Abilene, Tex	$2,000.00	[a] $12,879.81	$14,879.81
Amarillo, Tex	1,255.00	6,503.00	7,758.00
Anniston, Ala	1,799.75	12,920.69	14,720.44
Atlantic City, N. J	[b]	5,991.00	5,991.00
Bentonville, Ark	500.00	5,119.90	5,619.90
Birmingham, Ala	[c] 61.50	15,630.36	15,691.86
Bismarck, N. Dak	[b]	10,085.99	10,085.99
Block Island, R. I	1,034.50	7,668.25	8,702.75
Burlington, Vt	[c] 20.00	10,043.50	10,063.50
Canton, N. Y	[c] 1.35	[a] 13,955.82	13,957.17
Cape Henry, Va	[b]	9,222.45	9,222.45
Charles City, Iowa	3,036.75	9,338.47	12,375.22
Columbia, S. C	3,799.00	9,165.00	12,964.00
Devils Lake, N. Dak	2,209.05	7,431.50	9,640.55
Dodge City, Kans	2,050.00	[a] 10,811.89	12,861.89
Duluth, Minn	2,041.70	7,430.68	9,472.38
East Lansing, Mich	[c] 11.35	[a] 12,778.14	12,789.49
Hatteras, N. C	[bd] 217.00	4,889.75	5,106.75
Havre, Mont	1,795.00	5,087.08	6,882.08
Iola, Kans	2,241.25	9,730.94	11,972.19
Jupiter, Fla	[b]	6,346.90	6,346.90
Key West, Fla	2,020.00	7,994.75	10,014.75
Kittyhawk, N. C	[b]	1,616.00	1,616.00
La Crosse, Wis	3,523.50	12,276.24	15,799.74
Modena, Utah	[b]	4,346.00	4,346.00
Mount Weather, Va.:			
Administration building	1,863.15	[e] 48,035.26	49,898.41
Machine shop and balloon shed	650.00	8,167.00	8,817.00
Central heating and power plant	[b]	11,964.74	11,964.74
Absolute building	[b]	7,000.00	7,000.00
Variation building	[b]	8,904.55	8,904.55
Stable	[b]	1,900.00	1,900.00
Barn	[b]	900.00	900.00

[a] Not completed.
[b] Government reservation.
[c] Donated; figures represent cost of title transfer.
[d] Additional ground purchased.
[e] Estimated; not completed.

BUILDINGS OWNED BY THE WEATHER BUREAU—Continued.

Location.	Cost of ground.	Cost of buildings.	Total cost.
Mount Weather, Va.—Continued.			
Cottage for workmen	(a)	$1,300.00	$1,300.00
Physical laboratory	(a)	37,521.51	37,521.51
Cottage and office	(a)	11,246.34	11,246.34
Nantucket, Mass.	(b)	4,728.53	4,728.53
Narragansett Pier, R. I.	$4,151.75	8,036.50	12,188.25
Northfield, Vt.	c 101.00	d 12,705.64	12,806.64
North Head, Wash.	(a)	3,820.13	3,820.13
North Platte, Nebr.	(b)	3,818.50	3,818.50
Oklahoma, Okla.	e 38.90	10,520.25	10,559.15
Peoria, Ill.	e 54.00	7,875.50	7,929.50
Point Reyes Light, Cal.	(a)	2,875.00	2,875.00
Port Crescent, Wash.	102.00	730.94	832.94
Richmond, Va.	e 8.75	d 15,237.05	15,245.80
St. Joseph, Mo.	5,040.95	d 16,792.40	21,833.35
Sand Key, Fla.	(a)	5,593.00	5,593.00
Sault Ste. Marie, Mich.	(a)	2,994.12	2,994.12
Sheridan, Wyo.	2,021.75	12,089.30	14,111.05
Southeast Farallon, Cal.	(a)	5,211.22	5,211.22
Springfield, Ill.	(a)	10,236.50	10,236.50
Tatoosh Island, Wash.	(a)	5,000.00	5,000.00
Washington, D. C.	(b)	174,950.79	174,950.79
Yellowstone Park, Wyo.	(a)	11,156.00	11,156.00
Yuma, Ariz.	(a)	1,500.00	1,500.00
Total	43,648.95	672,074.88	715,723.83

a Government reservation.
b Building and ground purchased as a whole.
c Additional ground purchased.
d Not completed.
e Donated; figures represent cost of title transfer.

BUILDINGS RENTED BY THE WEATHER BUREAU FOR LIVING AND OBSERVATORY PURPOSES.

Station.	Annual rent.	Other items included.
Alpena, Mich.	$650	Heat, light, water.
Brawley, Cal.	300	Water.
Clallam Bay, Wash.	120	Do.
Del Rio, Tex.	444	Heat, light, water.
Durango, Colo.	318	Water.
Flagstaff, Ariz.	420	
Helena, Mont.	504	Steam heating plant, water.
Honolulu, Hawaii	1,020	Six rooms; heat, cleaner, light, janitor and porter service, electric current for fan, storage.
Independence, Cal.	456	Water, and the trimming and care of all trees on the premises.
Kalispell, Mont.	360	
Lewiston, Idaho	540	
Manteo, N. C.	144	
Moorhead, Minn.	600	Heat, light, water.
Mount Tamalpais, Cal.	420	Heat, light, water, and free transportation of Government employees and supplies.
Pysht, Wash.	144	Water.
Roseburg, Oreg.	550	Heat, light, water.
Roswell, N. Mex.	720	Heat, cleaner, light.
San Juan, P. R.	600	Ten rooms.
Thomasville, Ga.	420	
Tonopah, Nev.	840	
Twin, Wash.	108	Water.
Williston, N. Dak.	510	Heat, cleaner, light, water.
Winnemucca, Nev.	480	Heat, light, water.
Total	10,668	

PERSONNEL OF THE BUREAU.

The total numerical strength of the bureau at the close of the fiscal year under consideration was 6,610, against 7,508 at the end of the year preceding. These figures include all classes of employees. The large reduction indicated is due almost entirely to a decrease of more than 1,000 in the number of weather correspondents, whose cooperative services were dispensed with following the discontinuance of the section weekly weather bulletins. In nearly every other branch of work the number of employees was slightly increased.

An analysis of the statement that follows and a comparison of its figures with those for the previous year will show, it is believed, a satisfactory condition as regards the general character of the working force and the discipline of the service.

In the classified service of the bureau there was a marked increase in the number of promotions over those for the year before, the excess amounting to 145. All promotions but 2 were made to the next higher grade. One of the exceptions was in filling the office of librarian, in which instance the only clerk having the necessary qualifications for the place was advanced from the $1,400 to the $2,000 grade, the latter salary being provided by law for the position. In the other case the clerk was advanced two grades because of his assignment to an isolated station in the Southwest, where it was impossible for his family to accompany him, thus requiring him to maintain two establishments. There was 1 less permanent appointment, 7 fewer temporary appointments, and a decrease of 24 in the number of resignations. The increase of 7 in the number of removals for cause testifies to the maintenance of a high standard of official and moral conduct. Out of 101 probationary appointments during the year only 1 was dropped for unsatisfactory service, at the end of the six months' trial period. A record of 42 voluntary resignations during the year, against 68 for the year preceding, signifies a state of general satisfaction on the part of the employees, this indication being further strengthened by the fact that the number of reinstatements was as great as in the preceding year of a larger number of resignations.

For the unclassified service the total of permanent and temporary appointments was slightly decreased, as compared with the previous year. This action has been in conformity with the policy of the bureau to make up its force as far as possible from the classified lists.

In the distribution of the commissioned employees of the bureau there has been an increase of 34 in the station force over the number for the preceding year. This has been brought about by the assignment of an additional man at a number of the larger cities where the press of work has become heavy, and by the taking up of new lines of investigation in the field, such as the evaporation experiments that are now being conducted in Southern California. At a few stations it has been found possible to reduce the force by one employee, in order to help meet requirements at other places.

At the central office the number of commissioned employees is 14 greater than at the close of the previous year. This number, however, includes 9 student observers, who will be assigned to station duties at the end of their term of instruction. Changes in the duties of some of the divisions at the central office have altered slightly the number of employees, but in most of the divisions the force has remained much the same, in spite of the gradual increase in the amount of work performed, due to the continued expansion of the bureau in its various lines of service.

For the bureau as a whole there was an increase of a fraction of a day in the amount of absence due to sickness, as well as to annual leave, over the record for the year before, the average absence for each employee for both causes being slightly less than fifteen days. There were only 3 deaths among the commissioned employees during the year, as against 12 for the preceding twelve months.

CHANGES IN THE FORCE OF THE BUREAU.

CLASSIFIED SERVICE.

Appointments:	
Probationary—	
Printers, at $1,000	7
Clerk, at $1,000	1
Clerk, at $900	1
Copyist, at $840	1
Skilled artisans, at $840	2
Assistant observers, at $720	38
Repairmen, at $720	2
Watchmen, at $720	5
Folder and feeder, at $630	1
Messenger, at $600	1
Fireman, at $600	1
Messenger boys, at $450	6
Messenger boys, at $360	35
	101
Transfer—	
Printer, at $1,000	1
Copyist, at $840	1
	2
Reinstatement—	
Assistant observers, at $1,000	2
Assistant observers, at $720	2
Messenger, at $600	1
Messenger boy, at $480	1
	6
Temporary—	
Compositors, at $1,250	2
Clerk, at $900	1
Watchman, at $720	1
Folder and feeder, at $630	1
Messenger boys, at $600	3
Messenger boys, at $450	2
Messenger boys, at $360	26
Architect and superintendent of construction, at $180 a month	1
Evaporation observers, at $5 a day	2
Evaporation observers, at $2 a day	3
	42
Emergency—	
Clerk, at $1,000	1
Folders and feeders, at $720	3
Folders and feeders, at $630	2
	6
Promotions (all promotions except 2 were to the next higher grade or by certification for advancement from subclerical positions)	260
Reductions:	
Causes—	
To grant assignment to preferred station	2
Neglect of duty	3
Disobedience of instructions	1
Decreased efficiency due to increasing age	2
Unsatisfactory services	6
Unsatisfactory services and conduct	1

Reductions—Continued.	
Causes—Continued.	
Failure to carry out agreement with the bureau to settle a just account and unsatisfactory services	1
As an offset to the bureau for allowance of quarters, fuel, and light	2
	18
Resignations:	
Voluntary	42
Required because of—	
Unsatisfactory services	4
Unsatisfactory services and conduct	2
Absence without authority	1
	49
Transferred to another bureau in the Department of Agriculture	1
Removals:	
Causes—	
Misconduct	2
Absence without authority	3
Intemperance and absence without authority	1
Drunkenness, disobedience of orders, and use of foul language	1
Neglect of duty	2
Unsatisfactory services	1
Failure to answer official communication	1
Physical disability	1
	12
Dropped from the rolls at termination of probationary period because of unsatisfactory services	1
Deaths	2

UNCLASSIFIED SERVICE.

Appointments:	
Permanent—	
Unskilled laborer, at $720	1
Student assistants, at $300	5
	6
Temporary—	
Student assistant, at $300	1
Promotions (each to the next higher grade)	6
Resignations:	
Voluntary	4
Death	1

ABSENCE.

AVERAGE NUMBER OF DAYS PER EMPLOYEE DURING CALENDAR YEAR 1908.

	Sickness.	Annual leave.
Station (99 per cent males)	1.5	6.8
Washington, D. C.:		
Males	5.2	24.9
Females	6.1	26.5
Entire service	2.6	11.9

STATISTICS OF THE SERVICE.

The following tables show the numerical strength of the bureau and the highest, lowest, and average salaries paid in the commissioned grades:

NUMERICAL STRENGTH OF THE WEATHER BUREAU, JUNE 30, 1909.

At Washington, D. C.:		
Classified	193	
Unclassified	11	
		204
Outside of Washington, D. C.:		
Classified	551	
Unclassified	17	
		568
Total commissioned employees		772
Additional employees outside of Washington, D. C.:		
Storm-warning displaymen	179	
River observers	400	
Cotton-region observers	143	
Corn and wheat region observers	134	
Rainfall observers	87	
Sugar and rice region observers	9	
Special meteorological observers	22	
Special cranberry-marsh observers	2	
Mountain snowfall observers	167	
Total noncommissioned employees		1,143
Total paid employees		[a]1,915
Persons serving without compensation (except through the distribution of government publications):		
Cooperative observers and correspondents (omitting 351 paid and 6 cooperative observers enumerated elsewhere	4,581	
Cooperative storm-warning displaymen	82	
Cooperative river observers	21	
Cooperative rainfall observers	11	
Total cooperatives		4,695
Total numerical strength		6,610

DISTRIBUTION OF THE COMMISSIONED FORCE, JUNE 30, 1909.

In Washington, D. C.:	
Accounts division	[b]14
Climatological division	15
Distributing division	12
Executive branch	[b]17
Forecast divison	8
Instrument division	10
Library	4
Marine division	14
Observatory	10
Publications division	36
River and flood service	2
Supplies division	9
Telegraph division	11
Verification section	[c]2
Drafting room (under direction of the chief clerk)	3
Heat, light, and power plant (under direction of the chief clerk)	[d]5

[a] This total embraces all paid persons connected with the bureau on June 30, 1909, except 14 commissioned employees absent on that date and who had been granted leaves of absence or furloughs without pay for one month or more.

[b] One employee devotes a portion of his time at one of the map stations at the United States Capitol.

[c] Heretofore assigned as part of the Forecast division.

[d] Heretofore assigned as part of the Publications division.

In Washington, D. C.—Continued.	
Miscellaneous mechanical work (under direction of the chief clerk)	6
Watch force (under direction of the chief clerk)	6
General messenger and laborer service (under direction of the chief clerk)	20
Total	204
Outside of Washington, D. C.:	
58 stations with 1 commissioned employee	58
51 stations with 2 commissioned employees	102
41 stations with 3 commissioned employees	123
20 stations with 4 commissioned employees	80
12 stations with 5 commissioned employees	60
7 stations with 6 commissioned employees	42
4 stations with 7 commissioned employees	28
2 stations with 8 commissioned employees	16
2 stations with 9 commissioned employees	18
3 stations with 10 commissioned employees	30
1 station with 17 commissioned employees	17
201 stations	[a] 574

In addition to the foregoing there are eight special observing (one man) stations in the West Indies, mainly in operation during the hurricane season, and a special repair station in Washington operated from October to April, inclusive.

The following salary table omits 4 evaporation observers, who receive pay only when they take observations, and persons on duty at special observing and substations where the salaries are $25 a month or less, and where, as a rule, the tour of duty covers but a small fraction of the day and only certain seasons of the year.

SALARIES PAID IN THE COMMISSIONED GRADES.

Grades.	June 30, 1909.	
	Stations.	Washington, D. C.
Classified grades:		
Highest salary	$3,000	$5,000
Lowest salary	360	450
Average salary	1,041	1,149
Unclassified grades:		
Highest salary	720	720
Lowest salary	240	240
Average salary	374	496

Average salary of all (station and Washington) is $1,046.

[a] This represents the normal station force. On June 30, 1909, there were actually on duty 568 employees.

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PART II.

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1908.

SUNSHINE, 1908. DETAILS OF EXCESSIVE PRECIPITATION, 1908.

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LIST OF OBSERVING STATIONS.

The following table contains the geographic coordinates of the several stations whose summaries are published in Part III, the adopted height of the barometer cistern above mean sea level and of other instruments above ground, the difference between local mean and seventy-fifth meridian time, and the date on which observations began. The standard of time used by the Weather Bureau in all of its synchronous work is that of the seventy-fifth meridian (Eastern time), which standard is always understood unless otherwise expressed.

The elevations of the barometers are those adopted January 1, 1900, except at stations established since that date. They are the results of precise levels, and are known as the "station elevation."

Any change in the elevation of the remaining instruments is shown by the figures immediately below, and the date of such change is given on the margin of the table.

The significance of the bold-face letter or letters following the name of station is as follows:

P=continuous records of pressure (on December 31, 1908);

T=continuous records of temperature (on December 31, 1908);

W=continuous records of wind (direction and velocity) (on December 31, 1908);

V=continuous records of wind (velocity only) (on December 31, 1908);

R=continuous records of rainfall (on December 31, 1908);

S=continuous records of sunshine (on December 31, 1908).

SUMMARY OF STATIONS IN OPERATION DURING THE YEAR.

Taking two observations daily (all elements)	167
Taking one observation daily (all elements)	44
Taking one observation daily (temperature, rainfall, wind, and weather)	4
Taking one observation daily (temperature and rainfall only, *cotton, sugar, and rice regions*)	153
Taking one observation daily (temperature and rainfall only, *corn and wheat region*)	137
Taking one observation daily (river and rainfall only)	336
Taking one observation daily (rainfall only)	83
Total paid stations	924
Cooperative stations, about	[a]3,761
Grand total	4,685

TABLE I.—LATITUDE, LONGITUDE, ELEVATION, ETC., OF WEATHER BUREAU STATIONS.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1908.				Observations began.	Date of changes in elevation.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	*Feet.*	*Feet.*	*Feet.*	*Feet.*		
Abilene, **P T W R S**	32 23	99 40	1 39 S.	1,738	45	36	54	Sept. 14, 1885	
Albany, **P T W R S**	42 39	73 45	05 F.	97	102	100	115	Dec. 22, 1873	
Alpena, **P T W R S**	45 05	83 30	34 S.	609	13	4	92	Sept. 10, 1872	
Amarillo, **P T W R S**	35 13	101 50	1 47 S.	3,676	10	3	49	Jan. 1, 1892	
Anniston, **P T R W S**	33 39	85 50	43 S.	741	9	3	57	Oct. 16, 1905	
Asheville, **P T W R S**	35 36	82 32	30 S.	2,255	53	46	75	Aug. 22, 1902	
Atlanta, **P T W R S**	33 45	84 23	38 S.	1,174	190	182	216	Sept. 25, 1878	

[a] Exclusive of the observers of the cotton, sugar, and rice, and corn and wheat regions, who generally act as cooperative observers during the period when not employed as special observers.

TABLE I.—LATITUDE, LONGITUDE, ELEVATION, ETC., OF WEATHER BUREAU STATIONS—Continued.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1908. Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.	Observations began.	Date of changes in elevation.
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
Atlantic City, P T W R S	39 22	74 25	02 F.	52	37	33	48	Dec. 10, 1873	
Augusta, P T W R S	33 28	81 54	28 S.	180	89	54	97	Nov. 2, 1870	
Baker City, P T W R S	44 46	117 50	2 51 S.	3,471	48	38	58	July 9, 1889	
Baltimore, P T W R S	39 17	76 37	06 S.	123	100	90	113	Jan. 1, 1871	
Bentonville, P T W R S	36 22	94 12	1 17 S.	1,303	11	3	44	Mar. 16, 1906	
Binghamton, P T W R S	42 08	75 55	04 S.	871	78	71	90	Oct. 1, 1896	
Birmingham, P T W R S	33 32	86 50	47 S.	700	11	3	48	Sept. 14, 1895	
Bismarck, P T W R S	46 47	100 38	1 43 S.	1,674	8	3	57	Sept. 15, 1874	
Blaine	48 59	122 45	3 11 S.	58	4	3	.....	Jan. 14, 1908	
Block Island, P T W R S	41 10	71 36	14 F.	26	11	3	46	Sept. 1, 1880	
Boise, P T W R S	43 37	116 08	2 45 S.	2,739	78	72	86	July 1, 1877	
Boston, P T W R S	42 21	71 04	16 F.	125	115	154	188	Nov. 1, 1870	
Brawley, P T W	32 59	115 31	2 42 S.	a 105	11	3	31	Nov. 1, 1908	
Brownsville	26 00	97 26	1 30 S.	57	4	2	.....	Nov. 18, 1875	Reopened July 29, 1908
Buffalo, P T W R S	42 53	78 53	16 S.	767	178	168	206	Nov. 1, 1870	
Burlington, P T W R S	44 29	73 12	07 F.	404	11	3	48	Mar. 29, 1906	
Cairo, P T W R S	37 00	89 10	57 S.	356	87	80	93	June 1, 1871	
Canton, P T W R S	44 36	75 10	01 S.	448	10	4	71	July 1, 1906	
Cape Henry, P T W R S	36 56	76 00	04 S.	18	9	43	58	Dec. 15, 1873	
Cape May, T V	38 56	74 51	01 F.	17	48	41	52	July 16, 1897	
Charles City, P T W R S	43 04	92 38	1 11 S.	1,015	3 10	4	58	Nov. 1, 1904	June 1, 1908
Charleston, P T W R S	32 47	79 56	20 S.	48	14	76	92	Jan. 5, 1871	
Charlotte, P T W R S	35 13	80 51	23 S.	773	68	60	76	Oct. 6, 1878	
Chattanooga, P T W R S	35 04	85 14	41 S.	762	106	98	112	Sept. 12, 1875	
Cheyenne, P T W R S	41 08	104 48	1 59 S.	6,088	56	49	64	Nov. 1, 1870	
Chicago, P T W R S	41 53	87 37	50 S.	823	140	133	310	.....do.....	
Cincinnati, P T W R S	39 06	84 30	38 S.	628	152	145	160	.....do.....	
Cleveland, P T W R S	41 30	81 42	27 S.	762	190	163	201	.....do.....	
Columbia, Mo., P T W R S	38 57	92 20	1 09 S.	784	11	3	84	Aug. 21, 1889	
Columbia, S. C., P T W R S	34 00	81 03	24 S.	351	41	32	57	June 5, 1887	
Columbus, P T W R S	39 58	83 00	32 S.	824	173	171	224 222	July 1, 1878	May 28, 1908
Concord, P T W R S	43 12	71 32	14 F.	288	70	62	79	Nov. 1, 1902	
Concordia, V	39 35	97 41	1 31 S.	1,398	42	35	50	May 1, 1885	
Corpus Christi, P T W R S	27 49	97 25	1 30 S.	20	48 69	38 61	53 77	Feb. 1, 1887	Nov. 1, 1908
Davenport, P T W R S	41 30	90 38	1 03 S.	606	71	65	79	May 24, 1871	
Del Rio, P T W R S	29 20	100 53	1 44 S.	944	8	3	57	Nov. 9, 1905	
Denver, P T W R S	39 45	105 00	2 00 S.	5,291	129	119	136	Nov. 19, 1871	
Des Moines, P T W R S	41 35	93 37	1 14 S.	861	84	76	101	July 29, 1877	
Detroit, P T W R S	42 20	83 03	32 S.	730	218	214	258	Nov. 1, 1870	
Devils Lake, P T W R S	48 07	98 52	1 35 S.	1,482	11	4	44	Dec. 7, 1904	
Dodge City, P T W R S	37 45	100 00	1 40 S.	2,509	44	36	54	Sept. 15, 1874	
Dubuque, P T W R S	42 30	90 44	1 03 S.	698	100	95	117 115	July 2, 1873	Jan. 7, 1908
Duluth, P T W R S	46 47	92 06	1 08 S.	1,133	11	3	47	Nov. 1, 1870	
Durango, P T W R S	37 16	107 52	2 11 S.	6,546	18	3	56	Dec. 20, 1904	
Eastport, P T W R S	44 54	66 59	32 F.	76	69 67	62	85	Apr. 1, 1873	Oct. 9, 1908
Elkins, P T W R S	38 53	79 49	19 S.	1,940	41	34	50	Jan. 1, 1899	
Ellendale	45 59	98 33	1 34 S.	1,448	5	4	.....	July 24, 1908	
El Paso, P T W S	31 47	106 30	2 06 S.	3,762	110	102	133	Apr. 1, 1878	
Erie, P T W R S	42 07	80 05	20 S.	714	92	82	102	May 25, 1873	
Escanaba, P T W R S	45 48	87 05	48 S.	612	40	33	82	May 24, 1871	
Eureka, P T W R S	40 48	124 11	3 17 S.	62	62	54	80	Jan. 1, 1887	
Evansville, P T W R S	37 58	87 33	50 S.	431	72	66	82	Dec. 1, 1897	
Flagstaff, T W	35 12	111 37	2 26 S.	6,907	8	3	57	Sept. 9, 1898	
Fort Smith, P T W R S	35 22	94 24	1 18 S.	457	79	72	94	Apr. 13, 1879	
Fort Worth, P T W R S	32 43	97 15	1 29 S.	670	106	3 23	114	Sept. 1, 1898	June 23, 1908
Fresno, P T W R S	36 43	119 49	2 59 S.	330	67	54	70	Aug. 18, 1887	
Galveston, P T W R S	29 18	94 50	1 19 S.	54	106	98	112	Apr. 19, 1871	
Grand Haven, P T W R S	43 05	86 13	45 S.	632	54	49	92	May 24, 1871	

a Below sea level.

TABLE I.—LATITUDE, LONGITUDE, ELEVATION, ETC., OF WEATHER BUREAU STATIONS—Continued.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1908.				Observations began.	Date of changes in elevation.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
Grand Junction, P T W R S.	39 09	108 33	2 14 S.	4,608	43	37	51	Jan. 1, 1899	
Grand Rapids, P T W R S.	42 58	85 40	43 S.	707	127	121	162	July 1, 1903	
Green Bay, P T W R S.	44 31	88 00	52 S.	617	49	43	86	Sept. 1, 1886	
Greenville	45 24	69 33	22 F.	1,070	6	3	.....	Oct. 1, 1907	
Hannibal, P T W R S.	39 41	91 20	1 05 S.	534	75	68	109	Apr. 16, 1892	
Harrisburg, P T W R S.	40 16	76 52	07 S.	374	94	88	104	July 1, 1888	
Hartford, P T W R S.	41 46	72 40	09 F.	159	122	116	{132 140	Oct. 7, 1904	Sept. 8, 1908
Hatteras, P T W R S.	35 15	75 40	03 S.	11	12	34	47	Dec. 1, 1880	
Havre, P T W R S.	48 34	109 40	2 19 S.	2,505	11	4	44	May 16, 1892	
Helena, P T W R S.	46 34	112 04	2 28 S.	4,110	8	3	56	Apr. 1, 1880	
Honolulu, P T W R S.	21 19	157 52	5 32 S.	38	111	99	119	Sept. 1, 1904	
Houghton, P T W S.	47 07	88 34	54 S.	668	66	57	74	Aug. 26, 1900	
Huron, P T W R S.	44 21	98 14	1 33 S.	1,306	56	52	67	July 1, 1881	
Independence, P T W R S.	36 48	118 12	2 53 S.	3,910	11	4	42	Dec. 1, 1894	
Indianapolis, P T W R S.	39 46	86 10	45 S.	822	154	146	164	Feb. 10, 1871	
Iola, P T W R S.	37 55	95 25	1 22 S.	984	{40 11	31 3	47 50	Aug. 20, 1905	Feb. 3, 1908
Ithaca, P T W R S.	42 27	76 29	6 S.	836	82	4	100	.....	
Jacksonville, P T W R S.	30 20	81 39	27 S.	43	101	88	129	Sept. 11, 1871	
Jupiter, P T W R S.	26 57	80 07	20 S.	28	10	3	48	Jan. 1, 1888	
Kalispell, P T W R S.	48 10	114 25	2 38 S.	2,962	{8 11	4	34	May 3, 1899	Nov. 20, 1908
Kansas City, P T W R S.	39 05	94 37	1 18 S.	963	161	141	181	Apr. 21, 1873	
Keokuk, P W R S.	40 22	91 26	1 06 S.	614	64	56	78	July 16, 1871	
Key West, P T W R S.	24 33	81 48	27 S.	22	10	3	53	Nov. 1, 1870	
Knoxville, P T W R S.	35 56	83 58	36 S.	996	93	84	100	Jan. 20, 1871	
La Crosse, P T W R S.	43 49	91 15	1 05 S.	714	11	3	48	Oct. 15, 1872	
Lander, P T W R S.	42 50	108 45	2 15 S.	5,372	26	18	36	Aug. 1, 1891	
La Salle, P T W R S.	41 20	89 05	56 S.	536	56	49	64	Nov. 19, 1904	
Leadville	39 15	106 18	2 05 S.	10,242	7	4	.....	Nov. 1, 1907	
Lewiston, P T W R S.	46 25	117 02	2 48 S.	757	10	4	51	Oct. 1, 1900	
Lexington, P T W R S.	38 02	84 33	38 S.	989	75	68	102	Oct. 1, 1872	
Lincoln, P T W R S.	40 49	96 45	1 27 S.	1,189	11	4	84	Aug. 8, 1894	
Little Rock, P T W R S.	34 45	92 06	1 08 S.	357	139	132	147	Apr. 21, 1873	
Los Angeles, P T W R S.	34 03	118 15	2 53 S.	338	{116 159	108 151	123 191	July 1, 1877	Aug. 1, 1908
Louisville, P T W R S.	38 15	85 45	43 S.	525	111	103	132	Sept. 11, 1871	
Lynchburg, P T W R S.	37 25	79 09	17 S.	681	83	77	88	May 24, 1871	
Macon, P T W R S.	32 50	83 38	35 S.	370	{55 78	50 71	66 87	Apr. 8, 1899	Aug. 14, 1908
Madison, P T W R S.	43 05	89 23	58 S.	974	70	62	78	Sept. 16, 1904	
Manteo, V.	35 54	75 40	03 S.	12	12	4	46	Nov. 10, 1904	
Marquette, P T W R S.	46 34	87 24	50 S.	734	77	70	116	May 11, 1871	
Marshfield	43 22	124 17	3 17 S.	36	3	33	.....	May 1, 1908	
Memphis, P T W R S.	35 09	90 03	1 00 S.	399	76	{67 69	97	Feb. 28, 1871	Feb. 11, 1908
Meridian, P T W R S.	32 21	88 40	55 S.	375	84	3	93	Sept. 1, 1889	
Miles City, P V.	46 25	105 49	2 03 S.	2,371	26	32	48	Oct. 1, 1891	
Milwaukee, P T W R S.	43 02	87 54	52 S.	681	122	116	139	Nov. 1, 1870	
Minneapolis, P T W R S.	44 59	93 18	1 13 S.	.....	102	92	208	Nov. 6, 1890	
Missoula	46 51	113 59	2 36 S.	3,234	5	3	.....	Aug. 11, 1908	
Mobile, P T W R S.	30 41	88 02	52 S.	57	98	91	106	Nov. 7, 1870	
Modena, P T W R S.	37 48	113 54	2 36 S.	5,479	10	2	43	Jan. 1, 1901	
Montgomery, P T W R S.	32 23	86 18	45 S.	223	100	71	112	Nov. 9, 1870	
Moorhead, P T W.	46 52	96 44	1 27 S.	940	8	3	57	Jan. 31, 1881	
Mount Tamalpais, P T W R S	37 56	122 35	3 10 S.	2,375	11	5	18	Sept. 2, 1898	
Mount Weather, P T W R S.	39 04	77 54	12 S.	1,725	10	3	{28 54	Nov. 1, 1904	Jan. 6, 1908
Nantucket, P T W R S.	41 17	70 06	20 F.	12	14	4	90	Oct. 18, 1886	
Narragansett Pier	41 19	71 17	15 F.	.....	9	3	.....	Apr. 1, 1882	
Nashville, P T W R S.	36 10	86 47	47 S.	546	79	74	91	Nov. 1, 1870	
New Haven, P T W R S.	41 18	72 56	08 F.	106	116	111	155	Dec. 10, 1872	
New Orleans, P T W R S.	29 58	90 04	1 00 S.	51	{88 90	78	121	Nov. 1, 1870	Dec. 5, 1908
New York, P T W R S.	40 43	74 00	04 F.	314	108	305	350	Nov. 1, 1870	
Nome	64 30	165 24	6 02 S.	22	.....	34	.....	Dec. 1, 1906	

TABLE I.—LATITUDE, LONGITUDE, ELEVATION, ETC., OF WEATHER BUREAU STATIONS—Continued.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1908. Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.	Observations began.	Date of changes in elevation.
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
Norfolk, P T W R S	36 51	76 17	05 S.	91	102	96	111	Jan. 1, 1871	
Northfield, P T W R S	44 10	72 41	09 F.	876	16	3	70	Mar. 1, 1887	
North Head, P T W R S	46 16	124 04	3 16 S.	211	11	3	56	Aug. 1, 1902	
North Platte, P T W R S	41 08	100 45	1 43 S.	2,821	11	3	51	Sept. 18, 1874	
Oklahoma, P T W R S	35 26	97 33	1 30 S.	1,214	10	3	47	Nov. 1, 1890	
Omaha, P T W R S	41 16	95 56	1 24 S.	1,105	115	107	121	Nov. 1, 1870	
Oswego, P T W S	43 29	76 35	06 S.	335	76	68	91	do	
Palestine, P T W R S	31 45	95 40	1 23 S.	510	73	68	79	Dec. 3, 1881	
Parkersburg, P T W R S	39 16	81 36	26 S.	638	77	69	84	July 1, 1888	
Pensacola, P T W R S	30 25	87 13	49 S.	56	79	74	96	Oct. 27, 1879	
Peoria, P T W R S	40 43	89 36	58 S.	609	11	4	45	Feb. 1, 1905	
Philadelphia, P T W R S	39 57	75 09	01 S.	117	116	114	184	Jan. 1, 1871	
Phoenix, P T W R S	33 28	112 00	2 28 S.	1,108	50	41	56	Aug. 6, 1895	
Pierre, P T V	44 22	100 21	1 41 S.	1,572	70	63	75	July 1, 1891	
Pittsburg, P T W R S	40 32	80 02	20 S.	842	336	329	352	Nov. 1, 1870	
Pocatello, P T W R S	42 52	112 29	2 30 S.	4,477	46	37	54	July 1, 1899	
Point Reyes Light, P W R S	38 11	122 51	3 11 S.	490	7	3	18	Mar. 1, 1889	
Port Crescent, P V	48 08	123 41	3 15 S.	259	12	3	29	Oct. 1, 1898	
Port Huron, P T W R S	43 00	82 26	30 S.	638	70	63	120	July 25, 1874	
Portland, Me., P T W R S	43 39	70 15	19 F.	103	81	75	117	Jan. 15, 1871	
Portland, Oreg., P T W R S	45 32	122 43	3 11 S.	153	68	63	106	Nov. 1, 1870	
Providence, P T W R S	41 50	71 25	14 F.	160	57	56	67	Oct. 22, 1904	
Pueblo, P T W R S	38 18	104 36	1 58 S.	4,685	80	72	86	July 1, 1888	
Raleigh, P T W R S	35 45	78 37	14 S.	376	71	64	79	Apr. 1, 1884	
					103	94	110		Aug. 1, 1908
Rapid City, P T W R S	44 04	103 12	1 53 S.	3,234	46	35	50	Jan. 24, 1881	
Red Bluff, P T W R S	40 10	122 15	3 09 S.	332	50	40	56	July 1, 1877	
Reno, P T W R S	39 32	119 49	2 59 S.	4,532	56	47	63	Nov. 11, 1905	
Richmond, P T W R S	37 32	77 27	10 S.	144	145	138	153	Oct. 5, 1897	
Rochester, P T W R S	43 08	77 42	11 S.	523	81	78	102	Nov. 1, 1870	
					86	77			Sept. 1, 1908
Roseburg, P T W R S	43 13	123 20	3 13 S.	510	9	4	57	July 15, 1877	
Roswell, P T W R S	33 24	104 27	1 58 S.	3,578	9	4	57	Dec. 20, 1904	
Sacramento, P T W R S	38 35	121 30	3 06 S.	69	106	100	117	July 1, 1877	
St. Louis, P T W R S	38 38	90 12	1 01 S.	567	208	199	217	Nov. 1, 1870	
St. Paul, P T W R S	44 58	93 03	1 12 S.	837	171	163	179	do	
Salt Lake City, P T W R S	40 46	111 54	2 28 S.	4,360	105	97	110	Mar. 19, 1874	
San Antonio, P T W R S	29 27	98 28	1 34 S.	701	80	72	91	Jan. 2, 1876	
San Diego, P T W R S	32 43	117 10	2 49 S.	87	94	86	102	Nov. 1, 1871	
Sand Key, P T W R S	24 27	81 53	28 S.	25	41	40	71	June 1, 1903	
Sandusky, P T W R S	41 25	82 40	31 S.	629	62	55	70	Aug. 2, 1877	
San Francisco, P T W R S	37 48	122 26	3 10 S.	155	200	191	204	Feb. 2, 1871	
San Jose, P T W R S	37 20	121 54	3 08 S.	141	12	3	110	Sept. 28, 1905	
San Luis Obispo, P T W R S	35 18	120 39	3 03 S.	201	47	40	54	June 1, 1885	
Santa Fe, P T W S	35 41	105 57	2 04 S.	7,013	8	3	56	Nov. 20, 1871	
Sault Ste. Marie, P T W R S	46 30	84 21	37 S.	614	40	35	61	Aug. 5, 1877	
Savannah, P T W R S	32 05	81 05	24 S.	65	81	74	89	Jan. 1, 1871	
Scranton, P T W R S	41 24	75 42	03 S.	805	111	102	119	Aug. 17, 1900	
Seattle, P T W R S	47 38	122 20	3 09 S.	123	185	179	224	May 1, 1893	
Sheridan, P T W R S	44 48	106 57	2 08 S.	3,790	9	2	47	Apr. 29, 1907	
Shreveport, P T W R S	32 30	93 40	1 15 S.	249	77	77	84	Sept. 3, 1871	
Sioux City, P T V	42 29	96 24	1 26 S.	1,135	96	86	164	Dec. 1, 1887	
Siskiyou	42 03	122 39	3 11 S.	4,115	4	5		Sept. 1, 1908	
Sitka	57 04	135 20	4 01 S.	90	3	2		Mar. 26, 1881[a]	
S. E. Farallon, P T W R S	37 42	123 00	3 12 S.	30	9	3	17	June 4, 1903	
Spokane, P T W R S	47 40	117 25	2 50 S.	1,929	101	94	110	Feb. 1, 1881	
Springfield, Ill., P T W R S	39 48	89 39	59 S.	644	10	4	91	July 1, 1879	
Springfield, Mo., P T W R S	37 12	93 18	1 13 S.	1,324	98	6	104	June 3, 1882	
Syracuse, P T W R S	43 02	76 10	05 S.	597	97	65	113	Aug. 22, 1902	
Tacoma, P T W R S	47 16	122 23	3 10 S.	213	113	104	120	May 1, 1897	
Tampa, P T W R S	27 57	82 27	30 S.	35	79	71	96	Mar. 13, 1890	
Tatoosh Island, P T W R S	48 23	124 44	3 19 S.	86	7	4	57	Nov. 22, 1902	
Taylor, P T W R S	30 35	97 20	1 29 S.	583	55	48	63	Nov. 13, 1901	
Thomasville, P T W R S	30 48	83 58	36 S.	273	8	4	57	Aug. 20, 1905	
Toledo, P T W R S	41 40	83 34	34 S.	628	207	201	246	Nov. 1, 1870	

[a] Reopened July 1, 1908.

TABLE I.—LATITUDE, LONGITUDE, ELEVATION, ETC., OF WEATHER BUREAU STATIONS—Continued.

Stations.	Latitude.	Longitude.	Local meridian time faster or slower than 75th meridian.	Elevation Dec. 31, 1908.				Observations began.	Date of changes in elevation.
				Barometer above sea.	Thermometer above ground.	Rain gage above ground.	Anemometer above ground.		
	° ′	° ′	h. m.	Feet.	Feet.	Feet.	Feet.		
Tonopah, **P T W R S**	38 04	117 14	2 49 S.	6,090	12	9	20	July 9, 1906	
Topeka, **P T W R S**	39 03	95 41	1 23 S.	.....	85	73	89	June 1, 1887	
						76	101	.....	July 1, 1908
Valentine, **P T W R S**	42 50	100 32	1 42 S.	2,598	47	36	54	Sept. 1, 1885	
Vicksburg, **P T W R S**	32 22	90 53	1 04 S.	247	62	53	74	Sept. 10, 1871	
Wallace	47 28	115 51	2 43 S.	2,753	5	3	.....	Oct. 22, 1907	
Walla Walla, **P T W R S**	46 02	118 20	2 53 S.	1,000	71	63	79	Dec. 1, 1885	
Washington City, **P T W R S**	38 54	77 03	08 S.	112	62	42	85	Nov. 1, 1870	
Wichita, **P T W R S**	37 41	97 20	1 29 S.	1,358	78	72	86	July 1, 1888	
					98	91	121	.....	Mar. 31, 1908
Williston, **P T W S**	48 09	103 35	1 54 S.	1,872	14	4	56	Nov. 24, 1893	
Wilmington, **P T W R S**	34 14	77 57	12 S.	78	81	76	91	Jan. 1, 1871	
Winnemucca, **P W R S**	40 58	117 43	2 51 S.	4,344	18	3	56	July 1, 1877	
Wytheville, **P T W R S**	36 56	81 05	24 S.	2,293	40	32	47	Nov. 10, 1902	
Yankton, **P T W R S**	42 54	97 28	1 30 S.	1,233	49	42	57	Apr. 1, 1873	
Yellowstone Park, **P T W R S**	44 58	110 42	2 23 S.	6,200	11	4	48	Dec. 2, 1903	
Yuma, **P T V**	32 45	114 36	2 38 S.	141	9	2	58	Oct. 4, 1875	

WEST INDIAN STATIONS.

St. Kitts.[a]									
Basseterre, **P T V**	17 18	62 43	49 F.	29	41	39	54	Aug. 25, 1898	
Barbados.[a]									
Bridgetown, **P T W R S**	13 04	59 37	1 02 F.	30	57	49	65	Aug. 15, 1898	
Curaçao.[a]									
Curaçao, **P T W R S**	12 06	68 56	24 F.	75	39	32	46	Aug. 9, 1898	
Jamaica.[a]									
Kingston, **P V**	17 58	76 48	07 S.	286	41	39	55	Aug. 16, 1898	
Trinidad.[a]									
Port of Spain, **P V**	10 35	61 30	54 F.	40	47	40	55	Aug. 7, 1898	
Dominica.[a]									
Roseau, **P V**	15 17	61 23	54 F.	25	36	30	45	Oct. 20, 1898	
Porto Rico.[a]									
San Juan, **P T W R S**	18 29	66 07	36 F.	82	48	40	90	Nov. 1, 1898	
Santo Domingo.[a]									
Santo Domingo, **P T W R S**	18 28	69 53	20 F.	57	38	30	44	.....do.....	
Turks Island.[a]									
Grand Turk, **P V**	21 21	71 07	16 F.	11	6	2	20	July 1, 1900	

[a] Reports received during the hurricane season, June 15 to November 15.

TABLE II.—CHANGES IN WEATHER BUREAU STATION DURING 1908.

ESTABLISHED.

	Latitude.	Longitude.	Date of establishment.
	° ′	° ′	
Brawley, Cal	32 59	115 31	Nov. 1
SPECIAL STATIONS.			
Berryville, Va			July 1
Blaine, Wash	48 59	122 45	Jan. 15
Brownsville, Tex	26 00	97 26	July 29
Ellendale, N. Dak	45 59	98 33	July 27
Jackson, Miss			Feb. 21
Marshfield, Oreg	43 22	124 17	May 1
Missoula, Mont	46 51	113 59	Aug. 11
Pasadena, Cal			Dec. 1
Redlands, Cal			Do.
Riverside, Cal			Feb. 10
San Bernardino, Cal			Dec. 1
Siskiyou, Oreg	42 3	122 39	Sept. 1
Sitka, Alaska	57 4	135 20	July 1
Trapp, Va			May 18
COTTON STATION.			
Wynne, Ark			July 6
CORN AND WHEAT STATIONS.			
Broken Bow, Nebr			June 8
Culbertson, Nebr			Do.
Holdrege, Nebr			Do.
Paris, Ill			Apr. 1
Rochester, Minn			June 15
Scott, Kans			Apr. 21
RIVER STATIONS.			
Beaver Falls, Pa			Apr. 16
Bellota, Cal			Dec. 16
Brazos, Tex			Aug. 16
Bridgeport, Tex			Do.
Chamberlain, S. Dak			Mar. 16
Cochran, Ariz			May 11
Edinburg, Miss			June 1
Elliston, Ind			May 1
Emporia, Kans			Nov. 1
Estacada, Oreg			May 1
Fort Lyons, Colo			Oct. 16
Glendive, Mont			Nov. 1
RIVER STATIONS—cont'd.			
Grand Junction, Colo			Apr. 1
Grand Reservoir, Ohio			Aug. 1
Hawkinsville, Ga			Do.
Kennewick, Wash. (formerly Pasco)			Mar. 1
Le Roy, Kans			Nov. 1
Lewis Ferry, Tex			Sept. 16
Lewiston Reservoir, Ohio			Aug. 1
Licking Reservoir, Ohio			Do.
Lumber City, Ga			Do.
Marble Falls, Tex			Jan. 1
Medora, N. Dak			Nov. 1
Muscoda, Wis			Oct. 16
New Martinsville, W. Va			Apr. 22
New River, Tenn			Feb. 1
Oxford Farmers Ditch, Colo			Dec. 11
Riparia, Wash			Feb. 1
Running Water, S. Dak			Jan. 1
Shoals, Ind			May 1
Sistersville, W. Va			Apr. 22
Waterville, Pa			July 1
Williamsburg, Ky			Feb. 1
Youngstown, Ohio			Apr. 21
RAINFALL STATIONS.			
Albany, Tex			July 1
Ansonia, Pa			Sept. 1
Big Springs, Tex			July 1
Bowie, Tex			Do.
Brownwood, Tex			Sept. 1
Colorado, Tex			July 1
Dublin, Tex			Sept. 1
Elizabeth, W. Va			Feb. 1
Gainesville, Tex			July 1
Graham, Tex			Do.
Greenville, Tex			Sept. 1
Kerrville, Tex			Do.
Longview, Tex			Do.
Luling, Tex			Do.
Oslo, Minn			Dec. 16
San Angelo, Tex			July 1
San Marcos, Tex			Sept. 1
Seymour, Tex			July 1
Weatherford, Tex			Sept. 1

TABLE II.—CHANGES IN WEATHER BUREAU STATION DURING 1908—Continued.

DISCONTINUED.

	Latitude.	Longitude.	Discontinued.
COTTON STATION.			
Forrest City, Ark.			July 1
CORN AND WHEAT STATIONS.			
Grand Meadow, Minn.			June 14
Russell, Kans.			Apr. 20
Scott, Kans.			July 20
RIVER STATIONS.			
Barton, Oreg.			Apr. 30
Cedar Run, Pa.			June 30
Elko, Nev.			Mar. 31
Ellwood Junction, Pa.			Apr. 15
Empire, Nev.			Mar. 31
Floriston, Cal.			Do.
Gardnerville, Nev.			Do.
Gila River Bridge, Ariz.			May 10
Halleck, Nev.			Mar. 31
Ivanhoe, Va.			Aug. 15
Kiomatia, Tex.			Aug. 31
Las Animas (Picketwire), Colo.			Oct. 15
RIVER STATIONS—continued.			
Lovelocks, Nev.			Mar. 31
Luxora, Ark.			Apr. 30
Nepesta, Colo.			Dec. 10
Pasco, Wash.[a]			Feb. 28
Rogers, Ind.			Apr. 30
Rousseau, S. Dak.			Feb. 20
Sinnamahoning, Pa.			June 30
Tahoe City, Cal.			Mar. 31
Woodford, Cal.			Do.
Yerrington, Nev.			Do.
RAINFALL STATIONS.			
Battleboro, N. C.			Dec. 31
Corona, Colo.			June 30
Letohatchee, Ala.			Aug. 31
Rockfish, Va.			Feb. 20
Summit, Cal.			June 30
Tupelo, Miss.			Dec. 31
Youngstown, Ohio			Apr. 20

[a] Name changed to Kennewick.

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SUNSHINE, 1908.

The following tables give for 137 stations the monthly amounts of sunshine and percentage of the possible, as derived from the automatic records made by an instrument designated the thermometric recorder illustrated in the preceding volumes of this series.

This instrument does not record satisfactorily the duration of sunshine for about one hour after sunrise and about one hour before sunset, and on this account it has been considered necessary to apply to the record for these hours what has been designated a "twilight correction." The amount of this correction is found by noting the comparative clearness of the sky during the time that elapses between the hour of sunrise and the moment the instrument begins to record and between the time the instrument ceases to act and the hour of sunset.

The average cloudiness of the whole sky is determined by numerous personal observations at all stations during the daytime, and is given in the column "daylight" under "cloudiness" in the tables of Part III.

SUNSHINE, 1908.

Stations.	January.		February.		March.		April.		May.		June.	
	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.	Hours.	Per-centage of pos-sible.
Albany, N. Y.	119	41	148	48	166	45	221	55	206	45	331	72
Amarillo, Tex.	221	70	242	76	320	86	338	86	390	90	399	92
Asheville, N. C.	143	46	144	46	201	54	250	64	238	54	263	60
Atlanta, Ga.	169	53	167	52	230	62	220	56	254	59	295	68
Atlantic City, N. J.	183	60	184	59	214	58	272	68	237	53	355	80
Augusta, Ga.	176	55	186	58	255	69	250	64	344	80	313	73
Baker City, Oreg.	146	51	176	58	196	53	286	70	364	57	321	69
Baltimore, Md.	171	56	189	60	183	49	166	67	433	53	325	73
Bentonville, Ark.	201	65	155	49	191	52	164	42	292	67	286	65
Binghamton, N. Y.	118	40	121	39	125	34	157	39	154	34	308	68
Birmingham, Ala.	152	48	147	46	177	48	216	55	260	60	282	65
Bismarck, N. Dak.	148	53	153	51	105	28	250	61	249	53	287	60
Block Island, R. I.	179	60	181	59	221	60	280	70	262	58	393	87
Boise, Idaho	127	44	170	56	236	64	320	79	257	56	327	71
Boston, Mass.	171	58	186	60	196	53	254	63	167	59	366	80
Buffalo, N. Y.	72	25	114	37	140	38	225	56	272	60	383	83
Burlington, Vt.	81	28	121	40	140	38	188	46	245	53	343	74
Canton, N. Y.	122	43	163	54	145	39	222	55	262	57	369	79
Charles City, Iowa	249	85	204	67	232	63	300	74	317	70	333	73
Charleston, S. C.	195	61	221	69	248	67	229	59	265	62	272	63
Chattanooga, Tenn.	137	44	132	42	147	39	208	53	233	54	289	66
Cheyenne, Wyo.	202	68	209	68	287	77	345	81	283	63	315	70
Chicago, Ill.	167	56	112	36	178	48	144	61	227	50	361	79
Cincinnati, Ohio.	172	57	134	43	204	55	250	63	294	66	338	76
Cleveland, Ohio.	121	41	124	40	174	47	213	53	285	63	385	85
Columbia, Mo.	184	61	151	48	182	49	167	42	279	63	212	47
Columbus, Ohio.	167	56	140	45	165	45	223	56	233	52	337	75
Concordia, Kans.	215	72	200	64	265	72	292	73	307	69	328	73
Denver, Colo.	193	64	195	62	238	64	228	57	217	49	282	63
Des Moines, Iowa.	181	61	157	51	190	51	250	62	227	50	242	53
Detroit, Mich.	138	47	113	37	139	38	158	39	208	46	281	62
Devils Lake, N. Dak.	151	55	159	54	185	50	256	62	241	51	225	47
Dodge City, Kans.	240	78	199	64	238	64	260	66	308	70	334	75
Dubuque, Iowa.	158	54	157	51	203	55	246	61	220	49	287	63
Durango, Colo.	239	78	216	69	291	78	314	80	360	82	388	88
Eastport, Me.	85	30	121	40	165	45	227	56	217	47	307	66
Elkins, W. Va.	131	43	131	42	192	52	236	59	227	51	299	67
El Paso, Tex.	259	81	240	75	299	80	306	79	382	89	418	98
Erie, Pa.	116	39	142	46	149	40	195	49	268	59	380	84
Escanaba, Mich.	143	51	116	39	161	44	190	47	181	39	308	65
Eureka, Cal.	101	34	159	51	246	66	256	64	302	67	326	72
Flagstaff, Ariz.	237	76	249	78	326	88	343	87	399	92	423	97
Fort Smith, Ark.	176	56	178	56	213	57	171	44	260	60	274	63
Fresno, Cal.	106	34	199	63	319	86	364	99	416	95	436	99
Galveston, Tex.	184	56	210	65	251	67	295	76	338	80	343	82
Grand Haven, Mich.	109	37	71	23	164	44	234	58	254	56	348	76
Grand Junction, Colo.	199	66	201	64	298	80	314	79	293	66	368	83
Grand Rapids, Mich.	110	38	117	38	134	36	217	54	221	49	338	74
Green Bay, Wis.	176	62	141	46	224	60	182	70	264	57	370	79
Harrisburg, Pa.	164	55	172	55	190	51	264	66	208	47	332	74
Hartford, Conn.	138	47	164	53	159	43	227	57	205	45	312	68
Havre, Mont.	231	85	(a)	(a)	196	53	119	77	339	71	349	72
Helena, Mont.	214	76	235	78	273	74	314	77	362	56	325	68
Honolulu, Hawaii.	263	77	250	75	220	59	266	70	292	72	272	68

a Record broken.

SUNSHINE, 1908—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Total hours.	Percentage of possible.
Albany, N. Y.	259	56	229	53	181	48	139	41	85	29	100	36	2,186	47
Amarillo, Tex.	345	78	360	87	339	89	396	93	260	84	272	89	3,802	85
Asheville, N. C.	276	62	200	48	257	69	247	71	205	67	136	45	2,559	57
Atlanta, Ga.	272	62	233	54	253	68	245	70	171	55	129	42	2,627	58
Atlantic City, N. J.	290	64	248	59	200	54	212	61	220	73	134	46	2,750	61
Augusta, Ga.	287	66	262	63	253	68	227	65	215	68	166	54	2,934	65
Baker City, Oreg.	407	56	359	82	311	83	214	63	191	67	127	46	3,998	65
Baltimore, Md.	304	67	249	59	268	72	244	70	184	61	150	51	2,766	62
Bentonville, Ark.	338	76	299	72	173	46	257	74	178	58	167	55	2,701	60
Binghamton, N. Y.	172	37	201	47	205	55	154	45	68	23	91	32	1,874	41
Birmingham, Ala.	251	57	239	58	248	67	262	75	180	58	112	36	2,527	50
Bismarck, N. Dak.	319	67	255	58	237	63	147	44	123	44	116	43	2,388	52
Block Island, R. I.	322	70	264	62	203	54	167	49	161	54	107	37	2,741	60
Boise, Idaho.	418	89	367	85	302	81	209	61	183	63	124	45	3,041	66
Boston, Mass.	314	68	255	59	243	65	206	60	166	56	138	49	2,760	61
Buffalo, N. Y.	333	72	287	67	257	69	239	70	147	50	106	38	2,595	55
Burlington, Vt.	310	66	274	63	227	60	154	45	39	14	44	16	2,165	45
Canton, N. Y.	329	70	321	74	305	81	194	57	73	26	73	27	2,578	55
Charles City, Iowa.	378	81	346	80	332	89	249	73	173	59	174	62	3,287	73
Charleston, S. C.	251	57	297	72	226	61	215	61	203	65	144	46	2,764	62
Chattanooga, Tenn.	264	60	228	55	244	66	233	67	146	47	95	31	2,354	52
Cheyenne, Wyo.	343	75	286	67	291	78	209	61	238	80	208	73	3,198	72
Chicago, Ill.	357	77	352	82	317	85	239	70	175	59	123	43	2,852	62
Cincinnati, Ohio.	314	69	313	74	332	89	292	84	211	70	142	48	2,996	66
Cleveland, Ohio.	334	72	321	75	309	83	218	64	129	44	86	30	2,700	58
Columbia, Mo.	271	60	259	61	190	51	202	58	151	50	161	55	2,410	54
Columbus, Ohio.	324	71	337	79	320	86	270	78	162	54	163	35	2,782	61
Concordia, Kans.	363	80	339	80	320	86	257	74	236	79	226	78	3,347	75
Denver, Colo.	315	69	261	61	295	79	239	69	195	65	169	58	2,827	63
Des Moines, Iowa.	309	67	279	65	298	79	206	60	160	54	172	61	2,668	60
Detroit, Mich.	302	65	310	72	278	74	191	55	101	34	72	25	2,290	50
Devils Lake, N. Dak.	272	56	318	72	253	67	135	40	148	53	137	52	2,480	55
Dodge City, Kans.	324	72	284	67	301	81	265	76	201	66	208	70	3,162	71
Dubuque, Iowa.	389	63	292	68	254	68	195	57	139	47	124	44	2,564	57
Durango, Colo.	324	73	273	65	336	90	271	78	242	79	212	71	3,467	78
Eastport, Me.	278	59	251	58	232	62	187	56	74	26	51	19	2,195	47
Elkins, W. Va.	233	62	229	54	226	61	167	48	189	63	98	33	2,408	53
El Paso, Tex.	307	71	323	78	340	92	333	94	231	73	173	55	3,610	80
Erie, Pa.	354	77	306	71	277	74	195	57	64	22	55	19	2,502	53
Escanaba, Mich.	318	67	295	67	202	54	134	39	118	41	67	25	2,233	48
Eureka, Cal.	294	64	155	36	162	43	150	44	162	55	156	54	2,470	54
Flagstaff, Ariz.	325	74	298	71	308	83	298	85	279	90	233	77	3,717	83
Fort Smith, Ark.	332	75	297	71	189	51	259	74	175	57	142	47	2,665	59
Fresno, Cal.	432	97	412	98	325	87	315	90	226	74	69	23	3,618	78
Galveston, Tex.	306	72	307	75	228	62	288	81	191	59	178	56	3,118	69
Grand Haven, Mich.	348	75	365	85	301	80	232	68	132	45	73	26	2,629	56
Grand Junction, Colo.	374	83	324	77	287	77	225	65	197	65	155	53	3,237	72
Grand Rapids, Mich.	347	75	328	76	227	61	175	51	91	31	49	18	2,354	50
Green Bay, Wis.	366	78	345	79	285	76	231	68	124	43	111	41	2,919	63
Harrisburg, Pa.	334	73	270	63	233	62	201	58	160	54	127	44	2,655	58
Hartford, Conn.	250	54	212	49	233	62	178	52	120	41	96	34	2,293	50
Havre, Mont.	438	90	307	83	279	74	176	53	156	57	127	49	.....	....
Helena, Mont.	450	94	347	79	244	65	149	44	135	48	118	44	3,064	67
Honolulu, Hawaii.	279	68	295	74	245	67	241	67	244	73	229	68	3,096	70

SUNSHINE, 1908—Continued.

Stations.	January.		February.		March.		April.		May.		June.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
Huron, S. Dak	177	61	154	51	170	46	247	61	263	57	268	58
Indianapolis, Ind	144	48	89	28	132	36	205	52	212	47	306	68
Jacksonville, Fla	183	56	218	67	284	76	282	73	348	82	316	75
Jupiter, Fla	180	55	200	61	277	74	288	75	298	71	231	56
Kalispell, Mont	103	37	86	29	124	34	207	50	140	30	245	51
Kansas City, Mo	208	68	206	66	263	71	246	62	292	66	307	69
Knoxville, Tenn	130	42	133	42	157	42	229	58	230	53	265	61
La Crosse, Wis	146	50	160	52	210	57	252	62	253	55	280	60
Lander, Wyo	248	85	264	86	312	84	342	85	310	68	284	62
La Salle, Ill	172	58	159	51	190	51	247	62	257	57	348	77
Lexington, Ky	101	33	94	30	151	41	217	55	253	57	263	59
Little Rock, Ark	165	53	168	53	210	57	195	50	261	60	311	72
Los Angeles, Cal	186	59	213	67	288	78	308	79	341	79	333	77
Louisville, Ky	183	60	156	50	220	59	224	56	215	71	363	82
Lynchburg, Va	170	55	177	56	193	52	146	62	253	58	254	58
Macon, Ga	150	47	165	52	223	60	202	52	301	70	309	72
Madison, Wis	178	61	142	46	164	44	242	60	250	55	312	68
Marquette, Mich	132	47	101	34	172	46	195	48	206	44	319	67
Memphis, Tenn	153	49	169	53	194	52	249	63	297	68	307	71
Meridian, Miss	170	53	169	53	221	60	174	45	274	64	296	69
Milwaukee, Wis	180	62	132	43	215	58	251	62	349	55	347	76
Mobile, Ala	118	37	148	46	200	54	264	68	335	79	276	65
Modena, Utah	173	57	195	62	278	75	317	80	339	77	385	87
Mount Tamalpais, Cal	136	44	190	61	330	89	334	84	370	84	417	94
Mount Weather, Va	183	60	184	59	197	53	270	68	247	56	309	69
New Haven, Conn	177	59	209	68	226	61	271	68	263	59	406	90
New Orleans, La	181	56	199	61	269	72	262	68	312	74	281	67
New York, N. Y	198	66	208	67	219	59	288	72	247	55	382	85
Norfolk, Va	217	70	183	58	230	62	260	66	265	60	342	78
Northfield, Vt	127	44	152	50	170	46	210	52	250	55	364	79
North Head, Wash	74	26	88	29	142	38	186	46	153	33	161	34
North Platte, Nebr	236	79	187	60	280	76	278	70	275	61	295	65
Oklahoma, Okla	206	66	184	58	200	53	166	42	265	61	242	58
Omaha, Nebr	212	71	164	53	207	56	269	67	235	52	245	54
Parkersburg, W. Va	119	39	100	32	158	42	239	60	243	55	321	72
Peoria, Ill	166	56	168	54	202	55	257	64	292	65	362	80
Philadelphia, Pa	210	70	219	71	168	45	235	59	220	49	342	76
Phoenix, Ariz	250	79	253	79	306	82	363	93	405	94	424	99
Pittsburg, Pa	141	47	137	44	176	47	220	55	239	53	352	78
Pocatello, Idaho	187	64	227	74	230	62	341	85	244	54	294	64
Port Huron, Mich	164	56	146	48	157	42	166	41	232	51	368	80
Portland, Me	187	65	195	64	228	62	256	63	281	61	355	77
Portland, Oreg	118	42	85	28	137	37	236	58	198	43	282	60
Providence, R. I	173	59	193	63	191	51	284	71	244	54	362	80
Pueblo, Colo	249	81	253	81	315	85	320	81	349	79	363	82
Raleigh, N. C	182	59	172	54	213	57	339	61	267	61	274	63
Rapid City, S. Dak	166	57	144	47	169	46	285	71	236	52	310	67
Richmond, Va	178	58	161	51	193	52	257	65	261	59	300	68
Rochester, N. Y	121	41	154	50	154	42	225	56	279	61	285	84
Roswell, N. Mex	225	71	180	56	240	65	213	55	302	70	364	85
Sacramento, Cal	92	30	180	58	323	87	342	86	379	85	415	93
St. Louis, Mo	192	63	165	53	224	60	203	51	304	68	316	71
St. Paul, Minn	171	60	166	55	232	63	259	64	228	50	257	55
Salt Lake City, Utah	156	52	203	66	236	64	311	78	270	60	324	72
San Antonio, Tex	178	55	182	56	200	54	211	55	269	64	298	71

SUNSHINE, 1908—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
Huron, S. Dak	333	71	324	74	293	78	160	47	164	57	167	60	2,719	60
Indianapolis, Ind	314	69	292	69	294	79	228	66	184	62	179	62	2,580	57
Jacksonville, Fla	284	66	268	66	165	45	214	60	230	72	195	61	2,987	67
Jupiter, Fla	301	71	274	68	243	66	172	48	207	64	174	54	2,847	64
Kalispell, Mont	361	75	303	69	250	66	162	48	108	39	46	18	2,136	46
Kansas City, Mo	337	74	322	76	292	78	211	61	302	54	185	63	3,032	67
Knoxville, Tenn	229	52	192	46	273	73	231	66	170	55	113	37	2,354	52
La Crosse, Wis	309	66	270	62	271	72	202	59	125	43	123	44	2,600	57
Lander, Wyo	339	73	305	71	263	70	171	50	208	71	190	68	3,237	73
La Salle, Ill	317	69	321	75	308	82	234	68	176	59	142	49	2,869	63
Lexington, Ky	290	65	286	68	306	82	212	61	161	53	93	31	2,427	53
Little Rock, Ark	337	76	297	71	212	57	256	73	185	60	160	53	2,758	61
Los Angeles, Cal	382	87	319	77	286	77	291	83	181	58	205	67	3,333	74
Louisville, Ky	344	76	263	62	429	67	269	78	153	50	119	40	2,857	63
Lynchburg, Va	267	60	226	54	226	61	233	67	148	49	107	36	2,500	56
Macon, Ga	231	53	237	57	209	56	249	71	204	65	140	45	2,620	58
Madison, Wis	322	69	318	74	279	75	195	57	119	41	113	40	2,636	58
Marquette, Mich	296	62	265	60	187	50	110	33	89	32	44	17	2,115	45
Memphis, Tenn	339	77	297	71	290	78	312	89	213	69	132	43	2,952	65
Meridian, Miss	218	50	273	66	249	67	286	81	188	59	134	43	2,650	59
Milwaukee, Wis	308	66	332	77	280	75	224	66	186	64	174	62	2,878	64
Mobile, Ala	215	50	275	67	169	46	288	81	221	70	109	35	2,618	58
Modena, Utah	350	78	346	82	389	77	245	71	235	77	184	62	3,335	74
Mount Tamalpais, Cal	436	97	415	98	327	88	290	83	226	74	183	62	3,653	80
Mount Weather, Va	285	63	238	56	257	69	225	65	164	55	107	36	2,665	59
New Haven, Conn	310	68	273	64	233	62	208	60	143	48	140	49	2,859	63
New Orleans, La	213	50	256	63	139	37	286	81	197	62	170	54	2,766	62
New York, N. Y	334	73	294	69	283	76	225	65	177	60	141	49	2,995	66
Norfolk, Va	287	64	219	52	251	67	204	59	224	73	148	49	2,830	63
Northfield, Vt	345	74	287	66	268	71	176	52	80	28	92	33	3,520	54
North Head, Wash	260	55	170	39	224	60	171	51	98	34	83	31	1,810	40
North Platte, Nebr	266	80	265	62	277	74	166	48	151	51	181	63	2,956	66
Oklahoma, Okla	301	68	359	86	261	70	236	68	207	67	206	68	2,829	64
Omaha, Nebr	318	69	272	64	290	78	197	57	185	62	175	61	2,770	62
Parkersburg, W. Va	309	68	290	68	250	67	182	53	132	44	67	23	2,409	52
Peoria, Ill	353	77	352	83	319	85	253	74	186	63	150	52	3,059	67
Philadelphia, Pa	296	65	250	59	224	60	200	58	177	59	139	48	2,680	60
Phoenix, Ariz	362	83	338	82	343	92	335	95	256	82	229	74	3,865	86
Pittsburg, Pa	291	63	291	68	299	80	235	68	181	61	91	32	2,652	58
Pocatello, Idaho	414	89	342	79	318	85	222	65	185	63	101	36	3,104	68
Port Huron, Mich	334	72	291	67	203	54	171	50	114	39	97	34	2,442	53
Portland, Me	331	71	376	64	259	69	199	58	130	45	136	49	2,833	62
Portland, Oreg	374	79	292	67	212	56	121	36	104	37	58	22	2,219	47
Providence, R. I	292	63	244	57	226	60	196	57	155	52	142	50	2,702	60
Pueblo, Colo	326	73	304	72	342	92	278	80	215	71	219	74	3,532	79
Raleigh, N. C	247	56	238	57	241	65	221	63	180	59	132	44	2,608	58
Rapid City, S. Dak	360	77	333	77	297	79	187	55	222	77	172	62	2,881	64
Richmond, Va	175	61	231	55	224	60	219	63	191	63	141	48	2,630	59
Rochester, N. Y	358	77	341	79	307	82	242	71	111	38	67	34	2,744	59
Roswell, N. Mex	248	57	266	64	306	82	311	88	232	74	190	61	3,077	69
Sacramento, Cal	441	97	409	97	309	83	274	79	176	58	71	24	3,412	73
St. Louis, Mo	309	68	286	68	262	70	245	71	184	61	171	58	2,861	64
St. Paul, Minn	367	78	338	78	307	82	226	66	146	51	160	58	2,857	63
Salt Lake City, Utah	358	78	327	77	287	77	184	53	198	67	132	46	2,986	66
San Antonio, Tex	270	63	242	59	250	68	254	71	180	56	150	47	2,682	60

SUNSHINE, 1908—Continued.

Stations.	January.		February.		March.		April.		May.		June.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.
San Diego, Cal.	211	66	208	65	275	74	306	78	317	74	303	71
San Francisco, Cal.	136	44	191	61	304	82	289	73	245	78	334	75
San Jose, Cal.	203	66	232	68	322	87	324	82	363	83	381	87
San Juan, P. R.	257	74	220	65	276	74	281	75	239	59	251	63
San Luis Obispo, Cal.	149	48	153	48	196	79	284	72	338	78	335	77
Santa Fe, N. Mex.	222	71	240	76	316	85	298	76	358	82	409	94
Sault Ste. Marie, Mich.	93	33	99	33	138	37	192	47	195	42	307	65
Savannah, Ga.	168	53	200	62	256	69	216	55	284	66	316	74
Seattle, Wash.	68	25	92	31	163	44	221	54	156	33	247	52
Sheridan, Wyo.	181	63	188	62	183	49	269	73	253	55	298	64
Sioux City, Iowa.	240	81	201	65	217	59	279	70	259	57	238	52
Southeast Farallon, Cal.	156	51	204	65	328	88	331	83	406	92	407	92
Spokane, Wash.	74	27	101	34	191	52	291	71	267	57	342	72
Springfield, Ill.	188	62	168	54	215	58	217	54	265	59	325	72
Tacoma, Wash.	73	26	75	25	180	49	272	67	195	42	276	58
Tampa, Fla.	225	69	255	78	316	85	321	83	346	82	285	68
Toledo, Ohio.	138	47	124	40	164	44	201	50	226	50	352	77
Tonopah, Nev.	201	66	238	76	327	88	353	89	350	79	389	88
Topeka, Kans.	332	77	193	62	251	68	242	61	278	63	300	67
Vicksburg, Miss.	149	47	178	56	230	62	225	58	265	62	343	80
Walla Walla, Wash.	107	38	119	40	186	50	301	74	290	63	265	77
Washington, D. C.	173	57	180	58	184	50	263	66	247	56	343	77
Wilmington, N. C.	193	61	195	61	256	67	262	67	312	72	317	74
Winnemucca, Nev.	130	40	185	60	268	72	309	77	275	61	342	76
Wytheville, Va.	139	45	116	37	161	43	240	61	246	56	267	61
Yankton, S. Dak.	188	64	166	54	199	54	258	64	262	58	247	54
Yellowstone Park, Wyo.	158	55	182	60	188	51	262	65	163	35	203	44
Yuma, Ariz.	248	78	242	76	301	81	370	95	409	95	420	98

SUNSHINE, 1908—Continued.

Stations.	July.		August.		September.		October.		November.		December.		Annual.	
	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible.	Hours.	Percentage of possible	Hours.	Percentage of possible.
San Diego, Cal	326	75	299	72	273	74	296	84	182	58	192	62	3,190	71
San Francisco, Cal	300	67	238	56	253	68	254	73	171	56	158	53	2,972	66
San Jose, Cal	396	88	344	82	287	77	281	81	206	68	166	56	3,506	77
San Juan, P. R	276	68	264	67	221	60	248	68	217	64	222	65	2,971	67
San Luis Obispo, Cal	323	75	323	77	259	70	270	77	152	49	178	58	3,060	67
Santa Fe, N. Mex	282	64	381	67	312	84	297	85	229	74	230	76	3,475	78
Sault Ste. Marie, Mich	276	58	263	60	206	54	128	38	46	16	25	9	1,968	41
Savannah, Ga	212	49	132	56	191	52	224	64	233	74	178	57	2,710	61
Seattle, Wash	323	67	247	56	189	50	109	33	94	34	83	32	1,992	43
Sheridan, Wyo	401	85	303	70	265	71	169	50	215	75	165	60	2,890	65
Sioux City, Iowa	309	67	283	66	291	78	172	50	163	55	5	54	4,469	63
Southeast Farallon, Cal	377	84	336	80	238	64	232	67	175	58	175	59	3,365	74
Spokane, Wash	406	84	339	77	249	66	129	39	75	27	59	23	2,525	52
Springfield, Ill	340	75	360	85	315	84	276	80	188	63	171	59	3,027	67
Tacoma, Wash	335	70	263	60	195	52	128	38	43	15	27	10	2,062	43
Tampa, Fla	335	79	305	75	268	72	272	76	238	74	208	64	3,374	75
Toledo, Ohio	303	66	321	75	307	82	234	68	146	49	97	34	2,614	57
Tonopah, Nev	366	81	350	83	293	79	270	78	225	74	192	65	3,554	79
Topeka, Kans	357	79	302	71	286	77	212	61	213	71	204	69	4,464	69
Vicksburg, Miss	274	63	280	68	242	65	301	85	193	61	150	48	2,832	63
Walla Walla, Wash	287	81	356	81	279	74	189	56	142	50	48	18	2,769	58
Washington, D. C	276	61	213	50	302	54	208	60	182	60	130	44	2,602	58
Wilmington, N. C	289	66	272	66	246	66	212	60	244	78	200	65	2,992	67
Winnemucca, Nev	393	86	349	82	277	74	256	74	236	80	163	57	3,185	70
Wytheville, Va	359	58	201	48	271	73	222	64	176	57	114	38	2,412	53
Yankton, S. Dak	319	69	265	62	274	73	152	44	168	57	160	57	2,658	59
Yellowstone Park, Wyo	337	71	262	60	247	66	187	55	213	74	121	44	2,523	57
Yuma, Ariz	372	85	376	91	323	87	283	80	262	84	234	75	3,841	85

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EXCESSIVE RAINFALL, 1908.

The table following contains the record of excessive rainfall for the calendar year 1908. Similar records for the years 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, and 1907 were published in the Annual Reports of the Chief of Weather Bureau, 1897–98, pages 275–280; 1899–1900, pages 300–309; 1900–1901, pages 281–287; 1901–2, pages 268–275; 1902–3, pages 269–278; 1903–4, pages 370–379; 1904–5, pages 376–384; 1905–6, pages 394–405, and 1906–7, pages 393–402, respectively. Previous to 1896 the published data consist of a record of maximum amounts of rainfall in five and ten minute periods and also in one and twenty-four hours. The Annual Report for 1895–96 contains a summary of the records which up to that time had been made at the principal stations supplied with automatic gages.

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908 IN WHICH THE RATE OF FALL EQUALED 0.25 INCH IN ANY FIVE MINUTES OR 0.75 INCH IN ONE HOUR AT STATIONS OF THE WEATHER BUREAU FURNISHED WITH SELF-REGISTERING GAUGES.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NEW ENGLAND STATES.																				
Portland, Me.:																				
May 30–31	8.03 p. m.	3.30 a. m.	1.64	10.25 p. m.	11.00 p. m.	0.37	0.06	0.18	0.29	0.49	0.69	0.70	0.78	....	....	....	....	....	....	....
Concord, N. H.:																				
Aug. 5	6.12 p. m.	10.24 p. m.	1.76	7.44 p. m.	8.39 p. m.	.21	.07	.12	.15	.30	.50	.83	.95	.99	1.00	1.06	1.35	....	....	....
Burlington, Vt.:																				
Sept. 28–29	8.20 p. m.	D. N., a. m.	.64	12.05 a. m.	12.20 a. m.	.05	.11	.26	.39	....	....	....	....	....	....	....	....	....	....	....
Boston, Mass.:																				
Aug. 7	1.38 p. m.	4.45 p. m.	1.73	1.48 p. m.	2.33 p. m.	T.	.07	.11	.23	.57	1.13	1.30	1.52	1.54	1.62	....	....	....	....	....
Nantucket, Mass.:																				
Sept. 2	8.35 a. m.	4.40 p. m.	2.10	1.36 p. m.	2.41 p. m.	.79	.14	.20	.22	.24	.29	.40	.54	.66	.71	.77	.96	1.07	....	....
Block Island, R. I.:																				
May 22	8.25 p. m.	10.20 p. m.	.94	9.08 p. m.	9.48 p. m.	.10	.20	.28	.32	.38	.41	.53	.66	.72	....	....	....	....	....	....
May 23	3.30 a. m.	7.15 a. m.	1.07	5.47 a. m.	6.37 a. m.	.06	.23	.48	.66	.75	.77	.79	.81	.86	.90	.95	....	....	....	....
Aug. 22	12.30 p. m.	5.51 p. m.	2.01	2.45 p. m.	3.52 p. m.	.41	.11	.20	.29	.40	.47	.57	.69	.86	.94	1.00	1.24	1.44	....	....
Hartford, Conn.:																				
May 30	1.45 p. m.	D. N., p. m.	2.54	7.20 p. m.	8.42 p. m.	.93	.09	.17	.22	.30	.37	.46	.54	.62	.70	.75	.92	1.15	1.27	....
June 23	11.16 a. m.	12.37 p. m.	1.08	11.51 a. m.	12.26 p. m.	.07	.20	.37	.56	.73	.83	.94	1.00	....	....	....	....	....	....	....
July 3	2.35 p. m.	4.10 p. m.	1.40	2.39 p. m.	3.09 p. m.	.01	.22	.63	.87	1.06	1.17	1.27	....	....	....	....	....	....	....	....
New Haven, Conn.:																				
May 30	3.50 p. m.	10.20 p. m.	2.38	4.40 p. m.	5.20 p. m.	.22	.05	.11	.17	.27	.40	.53	.68	.75	....	....	....	....	....	....
				6.15 p. m.	6.45 p. m.	1.16	.08	.14	.24	.32	.44	.51	....	....	....	....	....	....	....	....
				9.44 p. m.	10.09 p. m.	.03	.10	.35	.49	.63	.68	....	....	....	....	....	....	....	....	....
July 21–22	8.50 p. m.	9.10 a. m.	2.72	11.12 p. m.	11.27 p. m.	1.03	.09	.34	.51	....	....	....	....	....	....	....	....	....	....	....
				4.14 a. m.	4.34 a. m.	2.06	.09	.24	.48	.61	....	....	....	....	....	....	....	....	....	....
Aug. 22	5.25 a. m.	4.05 p. m.	2.93	11.02 a. m.	11.42 a. m.	.82	.08	.27	.50	.67	.87	1.00	1.19	1.24	....	....	....	....	....	....
MIDDLE ATLANTIC STATES.																				
Albany, N. Y.:																				
May 29	6.10 p. m.	7.35 p. m.	.97	6.16 p. m.	6.32 p. m.	.01	.48	.80	.91	....	....	....	....	....	....	....	....	....	....	....
Binghamton, N. Y.:																				
May 30	5.55 p. m.	8.45 p. m.	1.09	6.51 p. m.	7.26 p. m.	.28	.05	.31	.46	.59	.66	.71	.76	....	....	....	....	....	....	....
July 24–25	3.45 p. m.	1.45 a. m.	2.13	5.04 p. m.	5.54 p. m.	.12	.09	.31	.39	.40	.46	.50	.52	.55	.64	.70	....	....	....	....
Sept. 6	4.35 p. m.	5.45 p. m.	.33	4.48 p. m.	4.58 p. m.	.01	.20	.30	....	....	....	....	....	....	....	....	....	....	....	....
Oct. 26	9.45 a. m.	12.25 p. m.	.79	11.07 a. m.	11.42 a. m.	.02	.09	.18	.38	.53	.59	.62	.67	....	....	....	....	....	....	....

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MIDDLE ATLANTIC STATES—continued.																				
New York, N. Y.:																				
May 7	4.20 a. m.	11.40 p. m.	4.16	2.56 p. m.	3.56 p. m.	1.90	.15	.21	.25	.32	.35	.38	.40	.43	.45	.49	.81	.....	.....	.....
July 14	4.36 p. m.	6.59 p. m.	1.44	4.42 p. m.	5.16 p. m.	T.	.17	.46	.53	.83	.97	1.12	1.19	.....	.....	.....	.....	.....	.....	.....
Oct. 26	4.48 p. m.	6.34 p. m.	.65	5.12 p. m.	5.37 p. m.	.05	.21	.31	.40	.50	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....
Harrisburg, Pa.:																				
Aug. 7	12 noon.	2.45 p. m.	1.17	12.22 p. m.	12.52 p. m.	.03	.35	.71	.89	.93	.96	1.03	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 28	6.23 p. m.	8.32 p. m.	.54	6.26 p. m.	6.46 p. m.	.01	.09	.19	.31	.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 10–11	4.06 p. m.	D. N.	1.50	12.11 a. m.	12.58 a. m.	.11	.15	.26	.40	.43	.52	.66	.85	.97	1.10	.....	.....	.....	.....	.....
Oct. 26	11.31 p. m.	11.58 p. m.	.53	11.34 p. m.	11.41 p. m.	.01	.43	.52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Philadelphia, Pa.:																				
May 6–7	9.45 p. m.	7.47 p. m.	2.70	6.17 p. m.	6.47 p. m.	1.72	.18	.43	.52	.69	.75	.80	.....	.....	.....	.....	.....	.....	.....	.....
May 22	4.45 p. m.	6.20 p. m.	1.06	5.06 p. m.	5.23 p. m.	.01	.15	.34	.98	1.03	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scranton, Pa.:																				
Sept. 28	3.00 p. m.	10.40 p. m.	1.50	7.17 p. m.	7.52 p. m.	.14	.09	.13	.18	.23	.35	.57	.70	.....	.....	.....	.....	.....	.....	.....
Oct. 26	8.10 a. m.	11.33 a. m.	.53	10.36 a. m.	10.51 a. m.	.05	.18	.31	.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Atlantic City, N. J.:																				
May 14–15	D. N.	D. N.	1.16	11.34 p. m.	12.15 a. m.	.43	.07	.21	.30	.35	.42	.51	.56	.62	.67	.....	.....	.....	.....	.....
July 25	9.02 a. m.	10.20 a. m.	1.25	9.24 a. m.	9.44 a. m.	.01	.24	.49	.84	1.10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 5–6	D. N., p. m.	9.20 a. m.	3.16	7.00 a. m.	8.48 a. m.	.87	.06	.18	.31	.41	.57	.78	1.00	1.14	1.19	1.21	1.24	1.67	2.09	2.28
Oct. 29–30	12.25 p. m.	D. N.	2.71	6.03 p. m.	6.31 p. m.	.39	.07	.22	.37	.48	.55	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dec. 6–7	9.10 p. m.	3.05 p. m.	2.03	6.59 a. m.	7.13 a. m.	.96	.07	.19	.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baltimore, Md.:																				
Aug. 5	2.10 p. m.	4.35 p. m.	1.27	2.25 p. m.	2.48 p. m.	.01	.31	.72	.94	1.08	1.13	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 28	6.05 p. m.	10.00 p. m.	1.01	7.35 p. m.	8.27 p. m.	.01	.05	.10	.14	.26	.31	.36	.43	.58	.76	.83	.92	.....	.....	.....
Washington, D. C.:																				
May 20	2.38 p. m.	3.55 p. m.	1.04	2.42 p. m.	3.40 p. m.	.03	.07	.18	.23	.24	.25	.30	.35	.44	.67	.84	.99	.....	.....	.....
May 30	6.20 p. m.	8.15 p. m.	.67	6.25 p. m.	6.37 p. m.	.01	.27	.56	.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 28	8.56 a. m.	1.04 p. m.	.68	12.37 p. m.	12.57 p. m.	.16	.05	.12	.25	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sept. 28	7.21 p. m.	10.00 p. m.	.75	7.28 p. m.	7.50 p. m.	.01	.08	.26	.40	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cape Henry, Va.:																				
May 30	7.12 p. m.	8.20 p. m.	.57	7.14 p. m.	7.30 p. m.	.01	.18	.35	.47	.51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lynchburg, Va.:																				
May 21	12.10 p. m.	1.05 p. m.	.63	12.19 p. m.	12.40 p. m.	T.	.29	.39	.44	.49	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 25	8.45 p. m.	11.00 p. m.	2.04	9.00 p. m.	11.00 p. m.	T.	[1].08	[1].16	[1].25	[1].38	[1].46	[1].54	[1].62	[1].70	[1].78	[1].86	[1].02	[1].36	[1].70	2.04
Mount Weather, Va:																				
June 15	8.01 a. m.	5.55 p. m.	1.59	2.45 p. m.	3.03 p. m.	.36	.21	.35	.46	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oct. 10–11	12.40 p. m.	D. N.	1.24	10.47 p. m.	11.21 p. m.	.51	.20	.29	.31	.36	.47	.49	.56	.....	.....	.....	.....	.....	.....	.....
Norfolk, Va.:																				
Jan. 11–12	7.55 p. m.	D. N.	1.06	1.54 a. m.	1.59 a. m.	.69	.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Apr. 11	12.30 a. m.	1.30 a. m.	1.18	12.47 a. m.	1.25 a. m.	.03	.10	.21	.36	.57	.60	.70	1.04	1.15	.....	.....	.....	.....	.....	.....
May 19	9.25 a. m.	10.50 a. m.	.70	9.29 a. m.	9.37 a. m.	.01	.26	.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 30	7.05 p. m.	7.50 p. m.	.60	7.18 p. m.	7.37 p. m.	.04	.07	.24	.44	.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 28	11.07 a. m.	2.15 p. m.	1.94	11.09 a. m.	11.49 a. m.	.01	[1].28	[1].62	[1].83	[1].95	[1].15	[1].39	[1].57	[1].66	.....	.....	.....	.....	.....	.....
Aug. 23	10.15 a. m.	12.40 p. m.	1.87	10.23 a. m.	12 noon.	.03	.22	.27	.28	.30	.44	.68	.86	1.06	1.10	1.17	1.46	1.57	1.81	.....
Aug. 23–24	9.55 p. m.	D.N., a. m.	1.45	12.42 a. m.	1.15 a. m.	.14	.08	.17	.28	.39	.48	.66	.72	.....	.....	.....	.....	.....	.....	.....
Richmond, Va.:																				
Jan. 11–12	7.48 p. m.	D. N.	1.50	12.31 a. m.	12.50 a. m.	.68	.09	.21	.36	.46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 18	2.49 p. m.	3.36 p. m.	.58	2.58 p. m.	3.23 p. m.	.01	.15	.29	.39	.44	.54	.....	.....	.....	.....	.....	.....	.....	.....	.....
May 19	4.00 a. m.	6.12 a. m.	1.17	4.02 a. m.	5.12 a. m.	.01	.06	.11	.15	.24	.29	.46	.57	.58	.63	.65	.82	1.04	.....	.....
May 20	2.10 p. m.	6.18 p. m.	1.41	2.36 p. m.	2.58 p. m.	.06	.11	.27	.75	1.03	1.13	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 3–4	5.08 p. m.	4.45 p. m.	3.20	7.40 a. m.	7.54 a. m.	2.10	.09	.26	.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
June 21	6.16 p. m.	7.25 p. m.	.91	6.16 p. m.	6.53 p. m.	.00	.13	.22	.36	.51	.71	.79	.84	.88	.....	.....	.....	.....	.....	.....
July 4	8.38 p. m.	9.30 p. m.	.95	8.38 p. m.	9.03 p. m.	.00	.20	.45	.66	.80	.92	.....	.....	.....	.....	.....	.....	.....	.....	.....
July 23	12.05 p. m.	1.36 p. m.	.80	12.33 p. m.	1.11 p. m.	.18	.09	.27	.32	.35	.38	.45	.53	.60	.....	.....	.....	.....	.....	.....
Aug. 19	9.10 p. m.	10.25 p. m.	2.97	9.14 p. m.	10.00 p. m.	.01	.40	.86	1.14	1.57	2.27	2.60	2.69	2.75	2.85	2.91	.....	.....	.....	.....
Sept. 5–6	5.22 p. m.	4.00 a. m.	2.01	12.15 a. m.	12.30 a. m.	.81	.10	.42	.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wytheville, Va.:																				
June 14	2.40 p. m.	4.42 p. m.	1.23	3.49 p. m.	4.29 p. m.	.04	.12	.36	.40	.50	.69	.93	1.07	1.18	.....	.....	.....	.....	.....	.....
July 21	12.58 p. m.	4.05 p. m.	2.45	1.00 p. m.	1.38 p. m.	T.	.24	.68	1.17	1.59	1.79	2.10	2.22	2.32	.....	.....	.....	.....	.....	.....
July 27	1.33 p. m.	3.45 p. m.	.90	1.35 p. m.	2.00 p. m.	.01	.18	.35	.50	.61	.67	.....	.....	.....	.....	.....	.....	.....	.....	.....
SOUTH ATLANTIC STATES.																				
Asheville, Va.:																				
July 23	3.10 a. m.	8.30 a. m.	1.65	3.16 a. m.	4.09 a. m.	.01	.10	.21	.31	.51	.68	.80	.99	1.17	1.21	1.30	1.39	.....	.....	.....
Aug. 23	2.10 p. m	D.N., p. m.	2.09	2.33 p. m.	3.18 p. m.	.01	.23	.42	.77	.89	1.10	1.29	1.42	1.53	1.61	.....	.....	.....	.....	.....
Sept. 5	9.50 a. m.	8.20 p. m.	1.58	2.11 p. m.	2.42 p. m.	.72	.06	.18	.27	.43	.56	.68	.72	.....	.....	.....	.....	.....	.....	.....
Charlotte, N. C.:																				
Jan. 11	10.30 a. m.	6.00 p. m.	1.41	3.58 p. m.	4.06 p. m.	.74	.24	.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Aug. 16	3.50 p. m.	5.35 p. m.	1.23	4.16 p. m.	5.06 p. m.	.16	.31	.45	.51	.56	.62	.66	.76	.82	.92	1.03	.....	.....	.....	.....
Aug. 23	3.25 p. m.	9.15 p. m.	2.48	4.38 p. m.	5.03 p. m.	.19	.23	.44	.63	.80	.91	.....	.....	.....	.....	.....	.....	.....	.....	.....
				5.43 p. m.	6.21 p. m.	1.29	.13	.29	.51	.61	.65	.68	.74	.81	.....	.....	.....	.....	.....	.....
Oct. 22–23	D. N.	4.35 p. m.	2.02	3.47 p. m.	3.58 p. m.	1.64	.10	.27	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[1] Partly estimated.

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
SOUTH ATLANTIC STATES—continued.																				
Hatteras, N. C.:																				
Mar. 17	1.50 p. m.	3.15 p. m.	.80	2.00 p. m.	2.25 p. m.	.05	.05	.15	.41	.47	.62	.74								
May 21	5.05 p. m.	9.35 p. m.	2.20	7.05 p. m.	7.53 p. m.	.37	.08	.17	.33	.37	.41	.51	.72	.88	1.00	1.10				
May 22	12.25 a. m.	5.35 a. m.	2.17	1.28 a. m.	2.25 a. m.	.24	.13	.23	.24	.31	.55	.72	.93	.96	1.01	1.24	1.39			
June 15	7.27 p. m.	11.50 p. m.	2.27	10.15 p. m.	11.15 p. m.	.42	.05	.10	.21	.40	.61	.76	.86	.93	1.17	1.39	1.67			
Aug. 26	10.15 a. m.	1.45 p. m.	3.08	10.17 a. m.	12.07 p. m.	T.	.10	.30	.48	.70	1.03	1.36	1.41	1.57	1.66	1.68	1.95	2.61	2.88	3.06
Sept. 27	7.40 p. m.	11.35 p. m.	1.26	7.44 p. m.	8.29 p. m.	.01	.09	.24	.33	.34	.37	.57	.61	.69	.80					
Oct. 8	3.10 p. m.	11.25 p. m.	2.74	8.20 p. m.	9.40 p. m.	1.03	.07	.13	.20	.23	.27	.35	.41	.48	.62	.73	1.11	1.51		
Oct. 10	6.05 a. m.	7.35 a. m.	1.51	6.22 a. m.	6.50 a. m.	.19	.10	.31	.47	.88	1.18	1.30								
Dec. 4–5	7.35 p. m.	3.15 a. m.	2.55	10.32 p. m.	11.51 p. m.	.58	.08	.30	.44	.52	.60	.66	.74	.79	.87	.97	1.10	1.43		
Raleigh, N. C.:																				
Mar. 23–24	8.30 p. m.	7.35 a. m.	1.44	8.49 p. m.	9.47 p. m.	.04	1.11	1.18	1.22	1.29	.34	.42	.63	.69	.71	.81	1.00			
Apr. 30	9.42 a. m.	11.15 a. m.	.53	10.32 a. m.	10.55 a. m.	.05	.07	.09	.09	.24	.46									
June 20	6.28 p. m.	8.40 p. m.	1.18	6.31 p. m.	7.00 p. m.	.01	.32	.61	.77	.90	.98	1.05								
July 27–28	5.33 p. m.	D. N., a. m.	1.16	6.14 p. m.	6.39 p. m.	.01	.11	.35	.61	.71	.77									
July 30	D. N., a. m.	8.05 a. m.	1.09	6.19 a. m.	6.49 a. m.	.10	.09	.19	.34	.43	.66	.81								
Aug. 23–24	9.00 p. m.	10.50 a. m.	2.42	5.46 p. m.	6.47 a. m.	.26	.15	.38	.59	.66	.70	.89	1.00	1.12	1.20	1.25	1.35	1.47		
Aug. 24–25	1.30 p. m.	7.50 a. m.	3.74	2.56 p. m.	3.27 p. m.	.10	.06	.23	.37	.41	.50	.76	.79							
				4.57 p. m.	5.54 p. m.	.98	.08	.19	.23	.37	.45	.49	.49	.50	.61	.71	.88			
				11.20 p. m.	11.30 p. m.	2.63	.18	.36												
Aug. 25–26	9.35 p. m.	7.45 a. m.	1.70	9.41 p. m.	10.20 p. m.	.01	.11	.15	.27	.36	.48	.54	.61	.65						
Sept. 5	2.25 p. m.	D. N.	2.83	3.08 p. m.	4.03 p. m.	.01	.11	.17	.20	.22	.30	.38	.55	.74	.95	1.17	1.29			
				4.23 p. m.	5.33 p. m.	1.38	.07	.17	.24	.27	.29	.34	.45	.52	.61	.64	.68	1.04		
Wilmington, N. C.:																				
Mar. 22–23	7.19 p. m.	9.55 a. m.	1.36	7.50 a. m.	8.26 a. m.	.68	.10	.20	.35	.40	.46	.52	.63							
May 6	12.50 p. m.	3.15 p. m.	.68	2.37 p. m.	2.54 p. m.	.16	.09	.15	.39	.51										
May 20	6.44 p. m.	8.02 p. m.	.72	7.03 p. m.	7.22 p. m.	T.	.12	.29	.52	.68										
June 11	1.48 p. m.	3.05 p. m.	1.02	2.09 p. m.	3.02 p. m.	.02	.05	.14	.30	.48	.52	.52	.52	.55	.64	.90				
June 25–26	6.37 p. m.	D. N., a. m.	1.89	7.18 p. m.	7.53 p. m.	.04	.17	.42	.62	.76	.99	1.12	1.20							
July 9	7.35 a. m.	1.50 p. m.	3.46	7.38 a. m.	8.40 a. m.	.01	.09	.14	.18	.34	.55	.71	.74	.76	.86	1.02	1.24	1.33		
				9.33 a. m.	10.17 a. m.	1.39	.07	.13	.16	.23	.32	.40	.56	.76	.85					
				12.01 p. m.	12.23 p. m.	2.57	.07	.21	.24	.32	.52	.68	.75							
Aug. 7	4.00 p. m.	4.50 p. m.	.96	4.13 p. m.	4.41 p. m.	.03	.12	.28	.57	.81	.88	.93								
Aug. 9	3.35 p. m.	6.55 p. m.	2.37	3.52 p. m.	3.58 p. m.	.01	.22	.36												
				4.29 p. m.	5.46 p. m.	.38	.07	.13	.16	.24	.41	.47	.58	.69	.72	.80	1.38	1.92		
Oct. 28	1.50 p. m.	7.10 p. m.	1.48	4.07 p. m.	5.27 p. m.	.24	.19	.23	.25	.26	.31	.42	.56	.63	.64	.66	.70	1.05		
Nov. 14	D. N.	4.45 p. m.	1.95	3.18 p. m.	3.37 p. m.	.22	.14	.39	.60	.56										
Charleston, S. C.:																				
Apr. 30	8.03 a. m.	11.20 a. m.	.76	8.56 a. m.	9.07 a. m.	.03	.35	.61	.65											
May 17	7.28 p. m.	10.20 p. m.	.62	7.55 p. m.	8.10 p. m.	.10	.09	.27	.38	.41										
July 29	1.40 a. m.	6.05 a. m.	1.76	2.10 a. m.	2.50 a. m.	.05	.12	.27	.49	.71	.83	.89	1.00	1.12						
Nov. 14	12.10 a. m.	1.45 p. m.	2.55	10.51 a. m.	11.44 a. m.	.38	.56	.98	1.25	1.39	1.49	1.56	1.66	1.81	1.86					
Columbia, S. C.:																				
Jan. 11	9.25 a. m.	4.15 p. m.	1.84	1.19 p. m.	1.54 p. m.	.75	.06	.10	.17	.23	.29	.51	.59							
May 23	4.50 p. m.	6.10 p. m.	.87	4.56 p. m.	5.45 p. m.	.01	.08	.21	.33	.45	.59	.68	.72	.75	.77	.86				
June 24	5.40 p. m.	7.38 p. m.	1.97	5.51 p. m.	7.03 p. m.	.03	.15	.31	.47	.66	.79	.87	.97	.99	1.14	1.31	1.62	1.93		
Aug. 19	5.00 p. m.	11.45 p. m.	2.46	6.18 p. m.	6.46 p. m.	.03	.27	.52	.64	.92	1.14	1.27								
				7.35 p. m.	7.54 p. m.	1.37	.14	.29	.43	.53										
Sept. 5	7.42 p. m.	8.45 p. m.	.46	7.59 p. m.	8.14 p. m.	.02	.07	.27	.35											
Augusta, Ga.:																				
Jan. 11	9.55 a. m.	3.00 p. m.	1.20	11.45 a. m.	12.00 m.	.35	.17	.45	.52											
Apr. 26–27	4.45 p. m.	9.45 a. m.	2.01	7.54 p. m.	8.25 p. m.	.18	.13	.16	.17	.31	.48	.59	.63							
June 4	2.07 p. m.	4.32 p. m.	2.18	2.09 p. m.	2.49 p. m.	.01	.36	.84	1.08	1.25	1.47	1.62	1.74	1.81						
June 14	6.07 p. m.	10.45 p. m.	2.00	8.57 p. m.	9.25 p. m.	.95	.10	.21	.46	.70	.79	.86								
June 23	12.37 p. m.	3.25 p. m.	1.16	1.00 p. m.	1.40 p. m.	.06	.08	.22	.38	.46	.63	.78	.84	.89						
Sept. 27	1.50 p. m.	6.15 p. m.	.86	3.18 p. m.	3.36 p. m.	.13	.24	.47	.59	.62										
Savannah, Ga.:																				
Jan. 11	D. N.	2.10 p. m.	1.73	10.43 a. m.	11.07 a. m.	.74	.06	.14	.26	.40	.56									
Mar. 24	12.46 p. m.	2.30 p. m.	1.01	12.54 p. m.	1.30 p. m.	.02	.33	.50	.55	.60	.68	.72	.85	.86						
May 30	3.47 p. m.	6.15 p. m.	.90	3.56 p. m.	4.40 p. m.	.01	.07	.13	.20	.23	.31	.43	.62	.73	.77					
June 5	9.30 a. m.	1.15 p. m.	1.13	9.47 a. m.	10.36 a. m.	.03	.05	.21	.36	.47	.55	.64	.73	.84	.93	.98				
June 25	4.10 p. m.	D. N.	1.44	4.22 p. m.	4.36 p. m.	.01	.14	.35	.48											
July 8	1.38 p. m.	2.50 p. m.	1.20	1.41 p. m.	2.21 p. m.	.02	.17	.29	.73	.93	.99	1.04	1.12	1.17						
July 9	3.56 p. m.	D. N.	1.33	7.47 p. m.	8.20 p. m.	.20	.06	.21	.37	.52	.66	.72	.77							
July 28	10.06 p. m.	D. N.	.96	10.06 p. m.	10.41 p. m.	.00	.09	.16	.17	.35	.70	.87	.92							
Aug. 24–25	D. N.	D. N.	.82	11.55 p. m.	12.20 a. m.	.02	.29	.58	.64	.73	.79									
Sept. 4	7.38 a. m.	8.35 a. m.	1.18	7.41 a. m.	8.18 a. m.	.01	.23	.38	.55	.69	.80	.95	1.11	1.16						
Sept. 25–26	D. N., p. m.	2.25 p. m.	2.97	4.29 a. m.	4.39 a. m.	.34	.26	.35												
Sept. 26–27	4.40 p. m.	D. N., a. m.	1.62	3.33 a. m.	3.52 a. m.	.62	.12	.34	.62	.76										
Jacksonville, Fla.:																				
Feb. 1	3.50 a. m.	6.30 a. m.	.89	3.57 a. m.	4.26 a. m.	.02	.11	.25	.44	.53	.64	.70								
Mar. 20–21	8.30 p. m.	D. N.	.82	9.24 p. m.	9.43 p. m.	.01	.28	.48	.68	.77										
June 4	9.50 a. m.	10.37 a. m.	.64	9.59 a. m.	10.14 a. m.	.01	.15	.41	.62											
Sept. 6	12.20 p. m.	2.45 p. m.	1.19	12.23 p. m.	12.47 p. m.	.01	.32	.75	.95	.99	1.06									
Sept. 9	D. N.	D. N.	6.10	9.43 a. m.	10.19 a. m.	1.34	.08	.16	.27	.40	.59	.74	.84	.89						
Sept. 10	8.55 a. m.	5.45 p. m.	4.92	10.53 a. m.	11.42 a. m.	.27	.19	.32	.51	.67	.88	1.10	1.32	1.47	1.57	1.66				
				2.38 p. m.	3.30 p. m.	2.29	.25	.57	.85	.94	1.07	1.21	1.31	1.51	1.91	2.15	2.21			
Sept. 10–11	D. N.	D. N.	1.77	11.15 p. m.	12.15 a. m.	.03	.08	.20	.28	.34	.39	.51	.62	.86	1.07	1.28	1.61			
Sept. 25–26	8.20 p. m.	5.15 p. m.	3.07	6.50 a. m.	7.19 a. m.	1.79	.07	.12	.25	.47	.69	.78								
Oct. 8–9	5.35 p. m.	D. N.	1.69	5.51 p. m.	6.34 p. m.	.05	.09	.17	.41	.68	.94	1.09	1.15	1.20	1.25					
Oct. 11–12	2.53 p. m.	4.30 a. m.	5.30	11.48 p. m.	12.33 a. m.	2.73	.06	.15	.21	.41	.61	.92	1.25	1.58	1.65					
				3.14 p. m.	4.04 p. m.	.07	.26	.42	.59	.74	.91	1.03	1.10	1.15	1.22	1.31				
Oct. 12	2.20 p. m.	10.30 p. m.	3.44	4.04 p. m.	4.54 p. m.		1.36	1.46	1.56	1.65	1.73	1.88	2.10	2.32	2.48	2.62	2.73	3.01		

[1] Estimated.

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
FLORIDA PENINSULA.																				
Jupiter, Fla.:																				
Feb. 15	9.47 a. m.	12.10 p. m.	1.06	10.34 a. m.	10.59 a. m.	.07	.14	.27	.37	.66	.89	....	....	....	....	....	....	....	....	....
May 6	3.50 p. m.	7.20 p. m.	1.55	4.03 p. m.	5.03 p. m.	.02	.06	.16	.39	.56	.78	.94	1.11	1.16	1.18	1.20	1.29	....	....	....
June 5	1.26 a. m.	12.10 p. m.	1.25	11.26 a. m.	12.01 p. m.	.00	.14	.30	.60	.71	.83	1.13	1.22	....	....	....	....	....	....	....
June 5	14.35 p. m.	7.20 p. m.	2.02	5.47 p. m.	6.32 p. m.	.01	.25	.41	.55	.78	1.23	1.62	1.70	1.81	1.91	....	....	....	....	....
Aug. 29	11.10 a. m.	1.35 p. m.	2.05	11.21 a. m.	11.56 a. m.	.03	.22	.46	.58	.87	1.16	1.39	1.48	....	....	....	....	....	....	....
Sept. 4	6.42 a. m.	7.48 a. m.	.63	7.02 a. m.	7.32 a. m.	.08	.18	.32	.36	.39	.45	.52	....	....	....	....	....	....	....	....
Sept. 9	5.45 p. m.	9.00 p. m.	.49	5.47 p. m.	5.57 p. m.	.01	.27	.42	....	....	....	....	....	....	....	....	....	....	....	....
Sept. 17	1.15 a. m.	5.00 a. m.	.71	4.13 a. m.	4.23 a. m.	.32	.17	.36	....	....	....	....	....	....	....	....	....	....	....	....
Oct. 27–28	9.30 p. m.	8.00 a. m.	5.59	12.05 a. m.	2.05 a. m.	.32	.31	.62	.88	1.35	1.63	2.10	2.64	3.17	3.40	3.66	3.83	4.15	4.41	4.59
Nov. 12–13	1.50 p. m.	12.40 a. m.	3.45	9.56 p. m.	11.46 p. m.	.07	.10	.38	.69	.93	1.05	1.19	1.50	1.69	1.72	1.74	2.50	3.13	....	....
Nov. 13–14	7.50 p. m.	6.50 a. m.	1.09	10.59 p. m.	11.34 p. m.	.16	.21	.27	.28	.30	.44	.61	.80	....	....	....	....	....	....	....
Dec. 31	8.29 a. m.	10.50 a. m.	.83	9.51 a. m.	10.26 a. m.	.01	.13	.30	.38	.51	.63	.72	.80	....	....	....	....	....	....	....
Key West, Fla.:																				
June 1	5.47 p. m.	7.45 p. m.	1.01	5.53 p. m.	6.28 p. m.	T.	.08	.17	.43	.69	.80	.89	.95	....	....	....	....	....	....	....
June 14	12.45 p. m.	1.25 p. m.	.91	12.55 p. m.	1.15 p. m.	T.	.16	.51	.76	.88	....	....	....	....	....	....	....	....	....	....
June 16	12.30 p. m.	6.35 p. m.	1.45	1.24 p. m.	1.54 p. m.	.24	.22	.49	.66	.88	1.01	1.08	....	....	....	....	....	....	....	....
June 16–17	10.55 p. m.	8.50 a. m.	2.35	11.07 p. m.	11.22 p. m.	.01	.18	.33	.39	....	....	....	....	....	....	....	....	....	....	....
				3.21 a. m.	3.56 a. m.	.60	.07	.12	.18	.42	.62	.79	.94	1.01	....	....	....	....	....	....
Aug. 5	4.10 a. m.	5.00 a. m.	1.00	4.15 a. m.	4.45 a. m.	T.	.07	.27	.53	.78	.86	.93	....	....	....	....	....	....	....	....
Aug. 26–27	9.10 p. m.	D. N.	1.44	9.13 p. m.	9.38 p. m.	T.	.35	.77	1.03	1.23	1.37	....	....	....	....	....	....	....	....	....
Sept. 21	5.06 p. m.	8.25 p. m.	1.45	5.14 p. m.	5.34 p. m.	.03	.18	.35	.67	.93	....	....	....	....	....	....	....	....	....	....
Sept. 22	8.07 a. m.	11.50 a. m.	2.65	8.50 a. m.	10.21 a. m.	.14	.22	.35	.58	.81	1.03	1.22	1.40	1.57	1.60	1.61	1.71	2.14	2.42	....
Oct. 3	12.15 a. m.	1.35 a. m.	.63	12.27 a. m.	12.57 a. m.	.01	.14	.25	.37	.47	.53	.60	....	....	....	....	....	....	....	....
Oct. 3	4.20 a. m.	5.45 p. m.	2.86	10.17 a. m.	10.55 a. m.	.34	.12	.35	.58	.79	1.03	1.17	1.25	1.36	....	....	....	....	....	....
Tampa, Fla.:																				
Jan. 11	D. N.	7.10 a. m.	.61	5.36 a. m.	5.46 a. m.	.01	.25	.31	....	....	....	....	....	....	....	....	....	....	....	....
April 28	5.45 a. m.	8.30 a. m.	1.27	6.13 a. m.	7.03 a. m.	.05	.06	.29	.34	.36	.39	.45	.66	.97	1.11	1.17	....	....	....	....
May 4	6.45 p. m.	9.40 p. m.	1.39	6.50 p. m.	7.25 p. m.	T.	.27	.53	.80	.92	1.07	1.18	1.23	....	....	....	....	....	....	....
June 24	1.55 p. m.	3.50 p. m.	1.49	2.25 p. m.	2.55 p. m.	T.	.20	.40	.60	.80	1.00	1.20	1.29	1.35	....	....	....	....	....	....
Aug. 27	3.20 p. m.	5.00 p. m.	1.77	3.56 p. m.	4.30 p. m.	.23	.05	.38	.62	.81	1.17	1.44	1.54	....	....	....	....	....	....	....
Aug. 30	3.03 p. m.	5.30 p. m.	1.89	3.10 p. m.	3.58 p. m.	T.	.11	.18	.26	.56	1.01	1.39	1.60	1.72	1.80	1.84	....	....	....	....
Sept. 4–5	8.00 p. m.	D. N.	1.09	11.35 p. m.	12 mt.	.07	.28	.59	.82	.95	1.01	....	....	....	....	....	....	....	....	....
Sept. 19	11.28 a. m.	2.35 p. m.	.89	12.11 p. m.	12.39 p. m.	.05	.20	.39	.44	.53	.69	.75	....	....	....	....	....	....	....	....
Nov. 14	6.00 a. m.	10.30 a. m.	1.15	8.23 a. m.	8.38 a. m.	.24	.18	.31	.38	....	....	....	....	....	....	....	....	....	....	....
EAST GULF STATES.																				
Atlanta, Ga.:																				
Feb. 14	4.25 p. m.	D. N.	1.50	8.55 p. m.	9.20 p. m.	.76	.22	.27	.34	.44	.50	.53	....	....	....	....	....	....	....	....
Apr. 24–25	6.45 p. m.	3.35 p. m.	3.60	11.14 p. m.	11.58 p. m.	.33	.25	.34	.91	1.16	[1] 1.40	[1] 1.64	[1] 1.88	[1] 2.12	[1] 2.35	....	....	....	....	....
May 29	1.48 p. m.	4.50 p. m.	.79	2.13 p. m.	2.33 p. m.	.08	.07	.20	.37	.43	....	....	....	....	....	....	....	....	....	....
June 4	2.55 p. m.	5.10 p. m.	.97	3.00 p. m.	3.35 p. m.	.01	.21	.43	.55	.64	.70	.77	.83	....	....	....	....	....	....	....
July 5	2.55 p. m.	8.25 p. m.	2.36	3.49 p. m.	4.39 p. m.	.19	.14	.29	.43	.72	1.03	1.28	1.44	1.54	1.68	1.82	....	....	....	....
July 9	10.00 a. m.	12.55 p. m.	1.59	10.12 a. m.	11.07 a. m.	.02	.13	.34	.55	.75	.75	.79	1.01	1.14	1.24	1.35	1.46	....	....	....
Aug. 23	6.35 p. m.	10.55 p. m.	2.36	8.40 p. m.	9.25 p. m.	.21	.13	.37	.63	.80	1.06	1.38	1.57	1.78	1.91	....	....	....	....	....
Sept. 4	12.20 p. m.	1.15 p. m.	.81	12.32 p. m.	12.57 p. m.	.01	.17	.32	.53	.58	.80	....	....	....	....	....	....	....	....	....
Sept. 4	7.25 p. m.	8.10 p. m.	.55	7.31 p. m.	7.48 p. m.	.01	.19	.35	.48	.52	....	....	....	....	....	....	....	....	....	....
Oct. 9	3.00 p. m.	5.15 p. m.	.72	3.20 p. m.	3.40 p. m.	.05	[1] .10	[1] .30	[1] .55	.61	....	....	....	....	....	....	....	....	....	....
Macon, Ga.:																				
Mar. 23–24	2.40 p. m.	6.00 a. m.	3.03	3.31 p. m.	4.28 p. m.	.05	.32	.44	.51	.60	.69	.76	.85	.96	1.01	1.06	1.30	....	....	....
Apr. 26–27	4.23 p. m.	8.50 a. m.	3.55	5.35 p. m.	6.30 p. m.	.27	.17	.33	.52	.67	.86	.93	1.00	1.05	1.16	1.29	1.34	....	....	....
May 18	8.36 p. m.	D. N.	1.38	8.38 p. m.	9.18 p. m.	.01	.32	.69	.88	.97	1.07	1.11	1.14	1.22	....	....	....	....	....	....
July 9	3.10 p. m.	6.40 p. m.	1.21	3.40 p. m.	4.19 p. m.	.01	.12	.33	.42	.56	.63	.84	1.01	1.08	....	....	....	....	....	....
July 18	3.20 p. m.	5.30 p. m.	1.16	4.18 p. m.	4.44 p. m.	.08	.13	.30	.42	.63	.97	....	....	....	....	....	....	....	....	....
Aug. 24–25	6.35 p. m.	5.25 p. m.	2.84	1.05 p. m.	2.00 p. m.	.77	.21	.44	.52	.63	.84	.96	1.17	1.46	1.67	1.86	1.93	....	....	....
Sept. 4	3.50 p. m.	5.40 p. m.	.93	3.59 p. m.	4.24 p. m.	.01	.17	.52	.70	.80	.85	....	....	....	....	....	....	....	....	....
Thomasville, Ga.:																				
Jan. 31–Feb. 1	10.40 p. m.	2.20 a. m.	1.84	12.17 a. m.	12.52 a. m.	.20	.25	.52	.93	1.22	1.36	1.45	1.52	....	....	....	....	....	....	....
May 5–6	7.58 p. m.	12.20 p. m.	2.86	9.03 p. m.	9.36 p. m.	.16	.20	.29	.41	.52	.89	1.15	1.26	....	....	....	....	....	....	....
June 19	1.20 p. m.	2.55 p. m.	1.05	1.44 p. m.	2.29 p. m.	.10	.20	.27	.37	.45	.61	.68	.76	.84	.90	....	....	....	....	....
July 7	5.15 p. m.	6.05 p. m.	1.00	5.21 p. m.	5.52 p. m.	.01	.09	.37	.56	.70	.89	.97	.98	....	....	....	....	....	....	....
July 12	12.36 p. m.	5.52 p. m.	1.94	12.41 p. m.	12.49 p. m.	.01	.29	.32	....	....	....	....	....	....	....	....	....	....	....	....
				2.00 p. m.	2.35 p. m.	.83	.11	.31	.64	.79	.86	.92	.96	....	....	....	....	....	....	....
Sept. 20–21	5.40 p. m.	7.12 a. m.	1.25	7.16 p. m.	7.33 p. m.	.41	.13	.25	.36	.41	....	....	....	....	....	....	....	....	....	....
Oct. 27	2.01 p. m.	3.05 p. m.	.75	2.02 p. m.	2.20 p. m.	.01	.16	.22	.48	.55	....	....	....	....	....	....	....	....	....	....
Pensacola, Fla.:																				
Jan. 10–11	5.50 p. m.	2.15 a. m.	1.32	9.59 p. m.	10.14 p. m.	.37	.09	.31	.44	....	....	....	....	....	....	....	....	....	....	....
Feb. 18–19	3.15 p. m.	1.25 a. m.	.91	10.25 p. m.	10.50 p. m.	.35	.07	.15	.29	.39	.47	....	....	....	....	....	....	....	....	....
June 10	3.45 a. m.	10.25 a. m.	1.11	5.53 a. m.	6.08 a. m.	.04	.22	.46	.77	....	....	....	....	....	....	....	....	....	....	....
June 10	6.50 p. m.	10.15 p. m.	.87	6.55 p. m.	7.25 p. m.	.01	.15	.35	.48	.61	.73	.78	....	....	....	....	....	....	....	....
July 24	4.04 p. m.	7.05 p. m.	1.53	4.12 p. m.	5.11 p. m.	.01	.10	.18	.43	.66	.81	.94	1.00	1.06	1.10	1.16	1.28	....	....	....
July 30	2.10 p. m.	6.10 p. m.	1.22	2.45 p. m.	3.01 p. m.	.05	.39	.79	1.09	1.13	....	....	....	....	....	....	....	....	....	....
Aug. 24	2.05 p. m.	4.25 p. m.	1.25	2.15 p. m.	3.22 p. m.	.01	.05	.15	.26	.43	.63	.72	.72	.72	.73	.75	.93	1.18	....	....
Sept. 5	6.00 a. m.	6.40 a. m.	.71	6.13 a. m.	6.27 a. m.	.01	.24	.54	.68	....	....	....	....	....	....	....	....	....	....	....
Anniston, Ala.:																				
May 5	5.39 a. m.	6.35 p. m.	1.31	5.39 a. m.	5.58 a. m.	.00	.23	.30	.36	.40	....	....	....	....	....	....	....	....	....	....
July 6	4.35 p. m.	D. N.	1.53	4.39 p. m.	5.24 p. m.	.01	.17	.35	.50	.67	.76	.86	.97	1.05	1.11	....	....	....	....	....
Sept. 4	3.10 p. m.	6.00 p. m.	.63	4.35 p. m.	5.05 p. m.	.01	.09	.22	.25	.34	.42	.50	....	....	....	....	....	....	....	....
Sept. 5	11.32 a. m.	12.50 p. m.	.74	12.03 p. m.	12.23 p. m.	.13	.12	.39	.52	.58	....	....	....	....	....	....	....	....	....	....
Sept. 5	2.25 p. m.	5.20 p. m.	1.95	3.20 p. m.	3.54 p. m.	.02	.50	1.01	1.19	1.53	1.67	1.76	1.81	....	....	....	....	....	....	....
Dec. 6–7	7.52 p. m.	D. N.	1.81	7.56 p. m.	8.12 p. m.	.01	.07	.35	.43	....	....	....	....	....	....	....	....	....	....	....

[1] Estimated.

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
EAST GULF STATES—continued.																				
Birmingham, Ala.:																				
Apr. 24	1.40 p. m.	6.42 p. m.	1.74	4.35 p. m.	5.12 p. m.	.14	.10	.30	.52	.85	1.00	1.04	1.20	1.24						
May 5	4.16 a. m.	4.35 p. m.	2.56	4.42 a. m.	5.12 a. m.	.03	.06	.18	.30	.43	.48	.52								
May 26	1.06 p. m.	2.35 p. m.	.76	1.18 p. m.	1.38 p. m.	.01	.05	.23	.47	.63										
Dec. 6	5.40 p. m.	10.15 p. m.	2.85	7.34 p. m.	9.34 p. m.	.63	.05	.12	.23	.31	.33	.55	.70	.81	.86	.91	1.00	1.30	1.71	2.14
Mobile, Ala.:																				
Jan. 10	4.35 p. m.	D. N.	2.66	7.50 p. m.	8.19 p. m.	.58	.20	.47	.69	.95	1.20	1.30								
Jan. 30-31	D. N.	4.10 p. m.	2.66	7.05 a. m.	8.21 a. m.	.75	.06	.12	.21	.30	.43	.45	.48	.50	.51	.58	.69	1.15		
Jan. 31	7.02 p. m.	D. N.	1.20	8.16 p. m.	9.06 p. m.	.10	.13	.22	.33	.52	.64	.72	.81	.91	.98	1.08				
Mar. 23	12.22 p. m.	D. N.	3.53	12.29 p. m.	1.41 p. m.	.06	.17	.34	.60	.82	.97	1.03	1.09	1.13	1.16	1.19	1.30	1.56		
Apr. 29	9.55 p. m.	D. N.	2.58	10.08 p. m.	10.40 p. m.	.04	.13	.43	.77	1.29	1.92	2.31	2.36							
May 5-6	1.30 p. m.	D. N.	3.50	2.49 p. m.	4.42 p. m.	.26	.07	.15	.24	.32	.39	.54	.74	1.05	1.16	1.23	1.49	1.92	2.15	2.35
July 31	D. N.	6.15 a. m.	1.41	5.23 a. m.	5.52 a. m.	.31	.08	.12	.35	.70	1.02	1.09								
Sept. 4	3.00 p. m.	7.40 p. m.	.74	3.17 p. m.	3.32 p. m.	.03	.13	.31	.44											
Sept. 5	D. N.	8.00 a. m.	3.74	12.59 a. m.	1.43 a. m.	.02	.23	.35	.42	.44	.45	.73	.95	1.02	1.11					
				3.27 a. m.	3.45 a. m.	1.51	.17	.35	.45	.58										
				4.31 a. m.	5.41 a. m.	2.22	.11	.32	.46	.51	.54	.58	.64	.73	.83	.90	.93	1.23		
Sept. 5	8.30 a. m.	10.30 a. m.	.76	8.41 a. m.	9.03 a. m.	.02	.15	.46	.59	.65	.69									
Montgomery, Ala.:																				
Jan. 31	D. N.	8.40 p. m.	2.33	6.45 p. m.	6.53 p. m.	1.86	.25	.34												
Mar. 23-24	11.00 a. m.	6.45 a. m.	2.15	11.42 a. m.	12.41 p. m.	.01	.26	.39	.45	.49	.50	.51	.52	.57	.58	.67	.84			
				7.20 p. m.	8.10 p. m.	.01	.20	.30	.33	.39	.47	.51	.75	.84	.85	.85				
				8.10 p. m.	9.00 p. m.	.85	.86	.97	1.17	1.21	1.22	1.23	1.24	1.27	1.32					
Apr. 24-25	4.18 p. m.	D. N.	3.95	9.00 p. m.	9.50 p. m.	1.38	1.51	1.58	1.61	1.71	1.92	2.11	2.61	3.09	3.13					
				9.50 p. m.	10.40 p. m.	3.14	3.14	3.15	3.17	3.24	3.29	3.31	3.46	3.54	3.57					
				10.40 p. m.	11.02 p. m.	3.61	3.67	3.74	3.82	3.84										
Apr. 26-27	1.45 p. m.	D. N.	3.84	3.36 p. m.	5.33 p. m.	.34	.08	.16	.48	.79	.99	1.24	1.41	1.50	1.56	1.65	1.86	2.20	2.76	3.04
May 29-30	10.50 p. m.	D. N.	1.44	11.21 p. m.	12.07 a. m.	.02	.08	.15	.23	.35	.60	.85	1.13	1.35	1.39	1.41				
July 4	1.35 p. m.	2.55 p. m.	1.33	2.26 p. m.	2.42 p. m.	.24	.45	.98	1.07	1.08										
July 19	5.10 p. m.	6.25 p. m.	1.27	5.22 p. m.	5.52 p. m.	.01	.14	.43	.80	1.01	1.12	1.25								
Aug. 7	3.20 p. m.	4.35 p. m.	1.26	3.28 p. m.	4.07 p. m.	.01	.30	.59	.85	.98	1.02	1.12	1.18	1.24						
Meridian, Miss.:																				
Jan. 31	3.10 p. m.	6.00 p. m.	.98	4.05 p. m.	4.18 p. m.	.20	.11	.39	.63											
Feb. 14	10.20 a. m.	3.05 p. m.	2.58	10.53 a. m.	12.02 p. m.	.02	.16	.36	.40	.41	.42	.46	.47	.50	.69	.75	.89	1.69		
Apr. 24	10.44 a. m.	3.45 p. m.	.85	12.45 p. m.	1.14 p. m.	.03	.05	.21	.49	.66										
May 5	6.35 a. m.	2.20 p. m.	4.04	8.03 a. m.	8.41 a. m.	.18	.37	.83	.99	1.11	1.27	1.43	1.55	1.62						
				9.50 a. m.	10.17 a. m.	2.20	.44	.90	1.10	1.22	1.32	1.37								
June 3-4	9.25 p. m.	D. N.	2.25	9.39 p. m.	9.57 p. m.	.06	.14	.31	.63	.72										
				11.01 p. m.	11.32 p. m.	1.04	.07	.18	.37	.47	.54	.79								
June 9	6.25 a. m.	12.15 p. m.	1.27	6.37 a. m.	7.02 a. m.	.02	.15	.31	.64	.77	.85									
June 13-14	D. N.	D. N.	1.48	11.57 p. m.	12.20 a. m.	.16	.08	.15	.25	.49	.57									
				1.00 a. m.	1.15 a. m.	.78	.09	.23	.35											
July 4	7.45 a. m.	10.50 a. m.	1.53	8.25 a. m.	9.13 a. m.	.22	.25	.44	.50	.51	.54	.68	.79	1.00	1.13	1.18				
Aug. 2	D. N.	3.00 p. m.	1.85	10.25 a. m.	11.25 a. m.	.59	.05	.15	.20	.23	.28	.40	.48	.56	.80	.86	1.00			
Sept. 21	3.48 p. m.	6.10 p. m.	.91	3.50 p. m.	4.15 p. m.	.01	.32	.52	.68	.78	.84									
Vicksburg, Miss.:																				
Jan. 31	1.00 p. m.	3.32 p. m.	.46	2.08 p. m.	2.13 p. m.	.06	.33													
Feb. 12	6.52 a. m.	D. N.	3.45	8.53 p. m.	9.51 p. m.	1.82	.09	.16	.28	.39	.47	.63	.85	.96	1.03	1.09	1.20			
Mar. 23	D. N.	1.35 p. m.	2.45	4.45 a. m.	5.12 a. m.	.61	.13	.35	.48	.53	.64	.71								
Apr. 24	2.53 a. m.	5.15 a. m.	.99	3.35 a. m.	4.12 a. m.	.17	.28	.35	.45	.52	.58	.60	.66	.72						
				3.02 a. m.	3.52 a. m.	.30	.15	.29	.37	.55	.65	.81	.92	1.06	1.13	1.27				
May 5	D. N.	6.25 a. m.	3.38	3.52 a. m.	4.42 a. m.	1.36	1.54	1.72	1.80	1.85	1.86	1.88	1.91	2.05	2.19					
				4.42 a. m.	5.28 a. m.	2.26	2.37	2.53	2.59	2.66	2.72	2.81	2.91	2.95	3.00					
June 3	9.50 p. m.	D. N.	1.12	10.30 p. m.	11.03 p. m.	.09	.16	.25	.37	.47	.66	.94	1.01							
Nov. 26	12.04 a. m.	D. N.	.89	12.08 a. m.	12.54 a. m.	.01	.15	.27	.32	.39	.47	.50	.52	.61	.79	.83				
Dec. 6	3.50 p. m.	8.25 p. m.	1.00	4.00 p. m.	4.11 p. m.	.05	.16	.45	.51											
New Orleans, La.:																				
Mar. 23	9.00 a. m.	3.45 p. m.	2.59	10.58 a. m.	11.11 a. m.	.44	.21	.51	.63											
Apr. 6	5.50 p. m.	6.30 p. m.	.64	6.03 p. m.	6.22 p. m.	.01	.12	.33	.50	.61										
May 5	3.39 p. m.	8.45 p. m.	2.14	5.50 p. m.	7.07 p. m.	.24	.15	.25	.29	.35	.40	.43	.51	.69	.73	.85	1.00	1.30		
Aug. 6	10.45 a. m.	12.05 p. m.	1.43	11.02 a. m.	11.49 a. m.	.10	.34	.66	.92	1.02	1.06	1.09	1.15	1.21	1.29					
Sept. 11	10.50 a. m.	5.05 p. m.	1.97	12.30 p. m.	1.15 p. m.	.36	.13	.45	.57	.78	1.08	1.30	1.36	1.42	1.52					
Sept. 17-18	8.30 p. m.	4.55 p. m.	1.80	8.06 a. m.	8.29 a. m.	.75	.11	.24	.32	.42	.50									
Sept. 22	11.32 a. m.	1.30 p. m.	1.14	11.43 a. m.	12.18 p. m.	.02	.18	.37	.48	.59	.85	.98	1.05							
Sept. 25	11.48 a. m.	9.15 p. m.	1.57	11.53 a. m.	12.30 p. m.	.03	.36	.36	.53	.66	.91	1.09	1.23							
Nov. 2	12.18 p. m.	4.25 p. m.	.60	1.57 p. m.	2.07 p. m.	.68	.16	.30												
WEST GULF STATES.																				
Shreveport, La.:																				
Apr. 15	12.35 a. m.	4.00 a. m.	1.02	3.36 a. m.	3.55 a. m.	.43	.18	.28	.51	.58										
May 13	1.00 a. m.	10.00 a. m.	6.53	1.58 a. m.	2.58 a. m.	.04	.23	.41	.51	.52	.75	.97	1.02	1.14	1.36	1.57				
				4.04 a. m.	4.48 a. m.	1.68	.23	.47	.84	1.25	1.55	1.81	2.23	2.43	2.52	2.72	3.15	3.61	3.97	4.09
May 13-14	7.20 p. m.	6.40 a. m.	1.93	7.33 p. m.	8.10 p. m.	.01	.06	.17	.39	.62	.71	.93	1.02	1.06						
July 30	3.45 p. m.	4.40 p. m.	1.67	3.50 p. m.	4.31 p. m.	.01	.16	.30	.30	.39	.96	1.22	1.45	1.63	1.66					
Sept. 18-19	6.25 p. m.	9.40 a. m.	1.36	6.08 a. m.	6.20 a. m.	.35	.11	.30	.36											
Sept. 24	D. N.	7.50 a. m.	1.56	5.23 a. m.	6.13 a. m.	.24	.12	.20	.32	.41	.54	.59	.59	.62	.73	.79				
Bentonville, Ark.:																				
Apr. 23	8.45 a. m.	4.55 p. m.	2.38	1.11 p. m.	1.51 p. m.	.21	.08	.14	.40	1.04	1.59	1.76	1.81	1.88						
May 4	10.45 a. m.	1.10 p. m.	1.04	11.08 a. m.	11.38 a. m.	.06	.13	.22	.27	.31	.57	.67								
June 13	4.35 a. m.	7.10 a. m.	1.12	4.50 a. m.	5.15 a. m.	.01	.36	.65	.78	.84	.91									
Sept. 15	2.15 p. m.	3.40 p. m.	.46	2.46 p. m.	2.58 p. m.	.02	.13	.34	.42											
Sept. 16	1.00 p. m.	2.10 p. m.	.62	1.17 p. m.	1.43 p. m.	.02	.16	.22	.35	.40	.54	.55								
Sept. 16	3.20 p. m.	5.45 p. m.	0.58	3.38 p. m.	3.56 p. m.	.02	.10	.22	.38	.45										
Nov. 22	6.30 a. m.	2.35 p. m.	2.27	8.13 a. m.	8.57 a. m.	.32	.08	.16	.28	.34	.39	.52	.60	.71	.81					
Nov. 25	4.05 a. m.	8.10 a. m.	1.12	6.17 a. m.	6.28 a. m.	.36	.09	.49	.55											

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
WEST GULF STATES—continued.																				
Fort Smith, Ark.:																				
May 12–13	5.05 p. m.	D. N.	2.70	6.08 p. m.	6.42 p. m.	.04	.15	.26	.35	.46	.80	1.03	1.14							
May 13	1.57 p. m.	8.21 p. m.	2.47	2.09 p. m.	3.16 p. m.	.02	.09	.21	.29	.34	.39	.50	.57	.62	.72	.79	.98	1.08		
May 22	2.15 a. m.	4.30 a. m.	.93	2.55 a. m.	3.21 a. m.	.03	.10	.27	.61	.73	.82									
June 3	D. N.	4.58 a. m.	1.14	1.38 a. m.	2.03 a. m.	.01	.06	.14	.42	.61	.77									
June 9	12.01 a. m.	2.08 a. m.	1.14	12.19 a. m.	12.50 a. m.	.10	.06	.16	.42	.66	.83	.96	1.01							
June 13	5.38 a. m.	8.05 a. m.	1.02	5.48 a. m.	6.17 a. m.	.01	.16	.31	.43	.54	.64	.70								
July 19	6.03 a. m.	11.16 p. m.	2.86	7.41 a. m.	8.06 a. m.	.10	.16	.25	.35	.44	.48									
				6.42 p. m.	7.12 p. m.	.95	.08	.16	.31	.38	.43	.50								
July 23	1.46 p. m.	4.51 p. m.	1.76	1.58 p. m.	2.31 p. m.	.01	.23	.73	1.13	1.26	1.36	1.45	1.52							
Aug. 13	7.24 a. m.	12.44 p. m.	1.88	7.34 a. m.	9.28 a. m.	.01	.21	.34	.40	.50	.57	.62	.66	.70	.80	.83	.88	1.08	1.42	1.57
Aug. 19–20	9.00 p. m.	D. N.	2.98	11.02 p. m.	12.40 a. m.	.03	.23	.60	.92	1.24	1.52	1.73	1.79	1.92	2.01	2.03	2.06	2.31	2.70	
Nov. 22	11.33 a. m.	5.22 p. m.	1.26	12.24 p. m.	12.37 p. m.	.09	.27	.45	.49											
Little Rock, Ark.:																				
Mar. 28–29	6.25 p. m.	D. N.	2.42	7.24 p. m.	8.11 p. m.	.15	.07	.20	.42	.56	.63	.67	.71	.75	.86					
May 4	6.00 p. m.	9.45 p. m.	1.36	6.20 p. m.	7.28 p. m.	.02	.06	.09	.18	.34	.54	.63	.68	.75	.89	1.03	1.14	1.30		
Sept. 21	3.48 p. m.	6.10 p. m.	.91	3.50 p. m.	4.15 p. m.	.01	.32	.52	.68	.78	.84									
Nov. 23	4.55 p. m.	7.30 p. m.	1.00	5.59 p. m.	6.36 p. m.	.01	.15	.19	.25	.35	.48	.58	.70	.73						
Corpus Christi, Tex.:																				
Apr. 20–21	10.10 p. m.	2.15 a. m.	1.66	12.08 a. m.	1.08 a. m.	.12	.10	.18	.31	.51	.71	.95	1.13	1.18	1.23	1.28	1.36			
May 14–15	7.31 p. m.	12.15 a. m.	2.02	8.25 p. m.	9.45 p. m.	.02	.05	.17	.31	.37	.44	.60	.80	.91	1.06	1.18	1.46	1.61		
Sept. 3	7.39 a. m.	9.03 a. m.	.44	7.45 a. m.	7.56 a. m.	.01	.21	.37	.40											
Dec. 18	12.56 p. m.	9.00 p. m.	.70	1.36 p. m.	2.06 p. m.	.05	.14	.24	.36	.39	.49	.54								
Fort Worth, Tex.:																				
May 13	10.12 a. m.	1.55 p. m.	1.70	12.22 p. m.	1.14 p. m.	.03	.13	.19	.36	.43	.49	.78	1.15	1.40	1.53	1.61				
May 23	4.20 p. m.	9.10 p. m.	3.40	4.35 p. m.	6.16 p. m.	.02	.19	.30	.42	.55	.66	.75	1.04	1.24	1.44	1.60	1.95	2.37	2.94	
May 23–24	10.55 p. m.	11.30 a. m.	3.47	6.00 a. m.	6.30 a. m.	1.90	.10	.23	.34	.45	.57	.63								
June 1	2.15 p. m.	4.05 p. m.	1.35	2.58 p. m.	3.37 p. m.	.04	.22	.51	.61	.64	.74	.93	1.13	1.24						
Aug. 23	2.40 a. m.	6.50 a. m.	1.33	4.06 a. m.	4.38 a. m.	.26	.12	.32	.48	.62	.70	.77	.80							
Sept. 17	11.47 a. m.	3.35 p. m.	1.76	1.09 p. m.	2.04 p. m.	.25	.15	.19	.26	.47	.66	.82	.92	.95	1.04	1.29	1.51			
Sept. 23	2.08 a. m.	5.55 a. m.	1.08	2.25 a. m.	2.50 a. m.	.05	.16	.36	.60	.71	.79									
Oct. 22	7.30 a. m.	2.20 p. m.	2.14	9.21 a. m.	9.56 a. m.	.45	.16	.32	.43	.63	1.03	1.22	1.32							
Nov. 28–29	11.04 p. m.	4.35 a. m.	1.20	12.27 a. m.	1.01 a. m.	.04	.23	.39	.50	.69	.82	.92	.99							
Galveston, Tex.:																				
Jan. 16	D. N.	D. N.	.40	1.00 a. m.	1.10 a. m.	.01	.15	.32												
Feb. 8	6.42 p. m.	D. N.	1.14	10.03 p. m.	10.23 p. m.	.56	.11	.24	.45	.56										
May 24	3.10 p. m.	5.15 p. m.	1.78	3.13 p. m.	4.00 p. m.	.01	.32	.62	.82	.89	1.12	1.25	1.40	1.52	1.56	1.59				
July 2	3.45 a. m.	5.45 a. m.	1.91	4.04 a. m.	5.05 a. m.	.03	.29	.42	.68	.79	.80	.86	1.00	1.03	1.13	1.44	1.82	1.88		
July 2	6.55 a. m.	9.10 a. m.	1.36	7.02 a. m.	7.29 a. m.	.03	.18	.48	.81	1.02	1.20	1.24								
Aug. 17–18	9.00 p. m.	11.00 a. m.	2.09	12.16 a. m.	12.41 a. m.	.80	.18	.29	.47	.66	.75									
Sept. 10–11	8.30 p. m.	11.30 a. m.	3.12	2.44 a. m.	3.44 a. m.	.69	.06	.10	.17	.22	.32	.44	.54	.57	.58	.64	.85			
				5.36 a. m.	5.49 a. m.	2.31	.28	.42	.49											
Sept. 12	4.05 a. m.	9.57 a. m.	1.74	4.21 a. m.	4.59 a. m.	.01	.22	.46	.66	.84	1.03	1.22	1.29	1.33						
Sept. 16–17	10.10 p. m.	2.40 p. m.	6.54	Self-register not working.																
Sept. 21	6.50 a. m.	7.35 a. m.	.64	6.53 a. m.	7.17 a. m.	.02	.06	.12	.26	.51	.60									
	11.30 a. m.	1.30 p. m.	.61	11.41 a. m.	11.52 a. m.	.03	.33	.56	.57											
Sept. 23	7.56 a. m.	9.40 a. m.	.64	8.03 a. m.	8.22 a. m.	.02	.10	.19	.46	.53										
Palestine, Tex.:																				
Apr. 14	7.01 a. m.	8.15 a. m.	.97	7.01 a. m.	7.47 a. m.	.00	.09	.19	.27	.30	.35	.53	.58	.66	.85	.89				
May 13	3.46 p. m.	11.00 p. m.	4.82	4.09 p. m.	4.59 p. m.	.06	.05	.22	.46	.60	.60	.65	.67	.72	.83	.94				
				4.59 p. m.	5.49 p. m.		1.30	1.65	1.98	2.46	2.49	2.65	2.74	2.87	3.01	3.07				
				5.49 p. m.	6.39 p. m.		3.23	3.40	3.67	3.79	3.89	3.95	4.02	4.16	4.24	4.34				
May 17	3.30 a. m.	6.05 a. m.	.84	3.43 a. m.	4.08 a. m.	.01	.16	.36	.55	.61	.66									
June 29	2.06 p. m.	3.30 p. m.	1.25	2.16 p. m.	2.39 p. m.	.01	.13	.55	.90	1.11	1.18									
Oct. 22	4.40 p. m.	7.08 p. m.	1.02	4.44 p. m.	5.19 p. m.	.02	.18	.33	.46	.53	.60	.62	.72							
San Antonio, Tex.:																				
Feb. 8	7.05 a. m.	5.15 p. m.	1.41	12.47 p. m.	1.17 p. m.	.45	.22	.34	.48	.50	.54	.64								
Apr. 10–11	9.30 p. m.	2.30 p. m.	1.00	12.37 a. m.	12.51 a. m.	.03	.46	.74	.80											
May 25	7.35 a. m.	11.56 a. m.	.91	10.53 a. m.	11.53 a. m.	.07	.08	.20	.28	.34	.39	.43	.45	.50	.57	.71	.83			
May 30	12 30 a. m.	2.25 a. m.	1.84	12.43 a. m.	1.23 a. m.	.05	.07	.16	.33	.73	1.09	1.25	1.42	1.47						
Aug. 19	1.00 p. m.	3.28 p. m.	1.18	1.03 p. m.	1.57 p. m.	.01	.11	.22	.29	.33	.37	.50	.66	.86	.99	1.07	1.14			
Aug. 20	2.05 p. m.	4.00 p. m.	1.19	2.37 p. m.	3.02 p. m.	.04	.12	.31	.73	.98	1.11									
Sept. 9	12.15 p. m.	2.00 p. m.	1.56	12.39 p. m.	1.38 p. m.	.01	.32	.39	.42	.50	.59	.75	.79	.91	1.23	1.37	1.52			
Oct. 22	4.30 p. m.	6.15 p. m.	.52	4.34 p. m.	4.51 p. m.	.01	.09	.20	.42	.49										
Nov. 12–13	9.40 a. m.	11.15 a. m.	2.07	10.01 a. m.	10.14 a. m.	.01	.17	.42	.48											
Taylor, Tex.:																				
Feb. 8	6.00 a. m.	7.10 p. m.	2.68	4.14 p. m.	4.44 p. m.	1.46	.12	.31	.38	.49	.62	.70								
May 17	6.05 a. m.	8.10 a. m.	1.41	6.40 a. m.	7.40 a. m.	T.	.08	.21	.30	.43	.64	.71	.80	1.00	1.11	1.15	1.30			
May 23–24	11.45 p. m.	10.30 a. m.	4.53	11.55 p. m.	3.05 a. m.	.01	.10	.19	.22	.30	.46	.53	.56	.62	.69	.71				
							.81	.88	.98	1.03	1.08	1.13	1.15	1.24	1.31	1.32				
							1.33	1.37	1.51	1.60	1.64	1.70	1.78	1.86	1.97	2.01				
							2.08	2.14	2.21	2.27	2.32	2.51	2.60	2.68						
Aug. 19	11.30 a. m.	12.05 p. m.	1.05	11.32 a. m.	12 noon.	T.	.22	.43	.62	.85	1.00	1.05								
Sept. 23	6.30 p. m.	7.35 p. m.	2.46	6.38 p. m.	7.23 p. m.	.01	.07	.11	.20	.59	1.12	1.68	2.09	2.37	2.43					
Nov. 28–29	D. N.	D. N.	1.68	1.29 a. m.	2.17 a. m.	.10	.14	.30	.38	.48	.54	.70	.99	1.18	1.33	1.42				
Dec. 28	5.05 a. m.	9.45 a. m.	2.25	7.06 a. m.	8.51 a. m.	.23	.15	.29	.48	.67	.89	1.01	1.04	1.05	1.10	1.18	1.32	1.63	1.88	

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.														
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
OHIO VALLEY AND TENNESSEE.																				
Chattanooga, Tenn.:																				
Apr. 24	1.58 p. m.	9.10 p. m.	1.82	5.39 p. m.	6.39 p. m.	.05	.05	.10	.17	.28	.38	.55	.81	1.09	1.14	1.32	1.45			
Aug. 4	3.41 p. m.	10.54 p. m.	1.62	5.34 p. m.	6.09 p. m.	.17	.17	.17	.18	.31	.56	.72	.81							
Aug. 5	9.10 a. m.	4.43 p. m.	1.44	11.03 a. m.	11.18 a. m.	.20	.10	.25	.47											
				2.35 p. m.	2.55 p. m.	.83	.11	.22	.37	.51										
Aug. 5-6	5.20 p. m.	1.45 a. m.	1.86	7.17 p. m.	8.02 p. m.	.21	.07	.18	.23	.25	.35	.47	.61	.75	.83					
Sept. 5	4.40 a. m.	3.16 p. m.	1.39	8.25 a. m.	8.58 a. m.	.19	.22	.35	.50	.55	.65	.74	.78							
Knoxville, Tenn.:																				
May 19	11.45 a. m.	2.00 p. m.	.86	12 47 p. m.	12.59 p. m.	.01	.32	.69	.76											
June 3-4	3.30 p. m.	6.30 a. m.	1.05	5.51 p. m.	6.06 p. m.	.05	.38	.57	.65											
Oct. 9	6.00 a. m.	7.30 p. m.	1.22	5.05 p. m.	5.33 p. m.	.43	.15	.34	.52	.61	.66	.70								
Memphis, Tenn.:																				
Mar. 2	D. N.	D. N.	.70	12 18 a. m.	12.42 a. m.	T.	.06	.12	.23	.39	.55									
Apr. 17-18	11.15 p. m.	8.10 a. m.	1.88	5.13 a. m.	5.46 a. m.	.81	.16	.28	.35	.37	.51	.54	.68							
May 4-5	8.50 p. m.	D. N.	1.10	10.34 p. m.	10.53 p. m.	.03	.19	.37	.57	.64										
May 25	1.00 p. m.	1.22 p. m.	.69	1.08 p. m.	1.22 p. m.	.03	.20	.56	.66											
June 2	2.19 p. m.	4.20 p. m.	.93	2.55 p. m.	3.39 p. m.	.06	.07	.13	.21	.29	.36	.54	.68	.77	.83					
June 4	10.40 a. m.	11.30 a. m.	.81	10.46 a. m.	11.16 a. m.	.01	.19	.28	.41	.64	.70	.78								
July 24	5.55 p. m.	9.15 p. m.	1.48	6.18 p. m.	6.49 p. m.	.02	.27	.53	.68	.90	1.06	1.19	1.25							
Aug. 4	12.45 p. m.	1.35 p. m.	.50	1.19 p. m.	1.28 p. m.	.01	.24	.49												
Aug. 4	4.14 p. m.	8.45 p. m.	1.24	6.24 p. m.	7.04 p. m.	.07	.13	.26	.34	.41	.51	.60	.68	.77						
Nov. 25	6.23 p. m.	D. N.	.84	7.10 p. m.	7.23 p. m.	.15	.10	.24	.41											
Lexington, Ky.:																				
Mar. 31-Apr. 1	3.40 p. m.	4.15 a. m.	2.51	9.38 p. m.	10.27 p. m.	.65	.09	.15	.23	.32	.34	.40	.51	.59	.71	.76				
June 4	11.03 a. m.	12.15 p. m.	.75	11.12 a. m.	11.45 a. m.	.03	.06	.14	.28	.39	.56	.65	.67							
Louisville, Ky.:																				
Mar. 31	7.14 p. m.	D. N.	.99	9.00 p. m.	9.25 p. m.	.34	.15	.40	.46	.55	.62									
May 6	3.28 p. m.	5.25 p. m.	1.01	4.30 p. m.	4.50 p. m.	.31	.13	.22	.41	.67										
June 3	4.45 p. m.	7.50 p. m.	.70	5.46 p. m.	6.06 p. m.	.01	.12	.34	.52	.58										
June 10	2.35 p. m.	3.23 p. m.	.66	2.41 p. m.	2.53 p. m.	.01	.16	.52	.61											
June 10	3.58 p. m.	5.48 p. m.	.55	4.29 p. m.	4.54 p. m.	.01	.17	.22	.29	.36	.52									
July 23	9.48 p. m.	10.40 p. m.	1.23	9.49 p. m.	10.23 p. m.	.01	.09	.14	.33	.60	.72	.95	1.20							
July 26	10.00 a. m.	2.15 p. m.	1.20	10.59 a. m.	11.33 a. m.	.08	.08	.20	.30	.41	.54	.62	.70							
Evansville, Ind.:																				
Feb. 14	D. N.	6.00 p. m.	2.02	2.08 p. m.	2.38 p. m.	.85	.10	.16	.20	.28	.39	.53								
May 6	3.05 p. m.	7.16 p. m.	1.80	3.10 p. m.	3.30 p. m.	.01	.45	.72	.79	.86										
				4.00 p. m.	4.15 p. m.	1.07	.14	.33	.42											
May 22	12.27 a. m.	8.47 a. m.	2.82	12.55 a. m.	2.05 a. m.	.12	.08	.17	.25	.31	.33	.43	.45	.46	.49	.61	1.17	1.47		
Aug. 10	4.10 p. m.	11.00 p. m.	3.76	5.33 p. m.	6.28 p. m.	.58	.12	.30	.50	.71	1.05	1.53	1.86	2.01	2.25	2.45	2.50			
Nov. 25	6.10 p. m.	11.00 p. m.	.57	9.12 p. m.	9.32 p. m.	.05	.05	.29	.42	.47										
Indianapolis, Ind.:																				
Mar. 18	11.00 a. m.	D. N.	1.11	6.23 p. m.	6.36 p. m.	.04	.10	.29	.36											
Apr. 26	4.03 p. m.	5.31 p. m.	.61	4.11 p. m.	4.39 p. m.	.03	.09	.12	.26	.32	.45	.55								
Cincinnati, Ohio:																				
May 25	3.31 p. m.	4.05 p. m.	.82	3.34 p. m.	3.54 p. m.	.01	.24	.49	.68	.79										
Columbus, Ohio:																				
June 22	D. N.	D. N.	1.28	1.00 a. m.	1.29 a. m.	.01	.07	.15	.27	.40	.46	.53								
July 24	7.10 a. m.	10.30 a. m.	1.96	7.38 a. m.	8.08 a. m.	.23	.19	.53	1.00	1.17	1.30	1.35								
Pittsburg, Pa.:																				
July 24	4.15 p. m.	10.45 p. m.	1.36	4.37 p. m.	5.17 p. m.	.01	.18	.31	.42	.58	.68	.82	.95	1.03						
Parkersburg, W. Va.:																				
Sept. 6	7.33 p. m.	7.50 p. m.	.48	7.33 p. m.	9.44 p. m.	.00	.22	.47	.48											
Elkins, W. Va.:																				
Apr. 15-16	7.05 p. m.	8.10 a. m.	.80	7.59 p. m.	8.19 p. m.	.05	.21	.36	.47	.54										
June 14	3.05 p. m.	3.35 p. m.	.58	3.08 p. m.	3.19 p. m.	.01	.34	.55	.57											
July 3	4.45 p. m.	10.50 p. m.	1.54	4.48 p. m.	5.18 p. m.	.01	.53	.75	.89	.95	1.03	1.15								
LOWER LAKE REGION.																				
Oswego, N. Y.:																				
May 26	12.07 p. m.	12.41 p. m.	.59	12.21 p. m.	12.30 p. m.	.01	.39	.49												
June 23	6.20 p. m.	9.55 p. m.	1.45	7.39 p. m.	8.03 p. m.	.28	.25	.62	.86	.96										
Sept. 28	6.37 p. m.	10.00 p. m.	1.13	6.47 p. m.	7.19 p. m.	.01	.28	.48	.54	.61	.67	.74	.77							
Rochester, N. Y.:																				
Sept. 1-2	11.00 p. m.	1.15 a. m.	.86	11.02 p. m.	11.25 p. m.	.01	.19	.31	.53	.67	.75									
Syracuse, N. Y.:																				
June 14-15	7.17 p. m.	5.15 p. m.	1.21	9.32 p. m.	10.13 p. m.	.07	.08	.13	.24	.29	.36	.42	.51	.67	.71					
Sandusky, Ohio:																				
Aug. 5	D. N.	D. N.	1.00	1.57 a. m.	2.35 a. m.	.01	.19	.24	.35	.46	.67	.80	.90	.92						
Toledo, Ohio:																				
July 24	12.42 p. m.	4.50 p. m.	1.63	1.35 p. m.	2.15 p. m.	.07	.16	.26	.37	.45	.56	.72	.83	.92						
Aug. 5	12.02 a. m.	1.45 a. m.	1.80	12.47 a. m.	1.30 a. m.	.17	.23	.35	.43	.49	.71	1.09	1.35	1.49	1.61					

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
LOWER LAKE REGION—continued.																				
Detroit, Mich.:																				
May 26	2.25 p. m.	3.45 p. m.	.66	2.36 p. m.	2.53 p. m.	.01	.24	.33	.45	.55										
UPPER LAKE REGION.																				
Alpena, Mich.:																				
May 30	1.53 p. m.	5.00 p. m.	1.07	1.54 p. m.	2.24 p. m.	T.	.20	.35	.37	.41	.47	.54								
				3.51 p. m.	4.09 p. m.	.59	.09	.17	.32	.41										
Grand Haven, Mich.:																				
Aug. 3–4	8.04 p. m.	D. N.	3.23	8.43 p. m.	9.16 p. m.	.09	.07	.31	.47	.61	.74	.86	.94							
				3.07 a. m.	3.16 a. m.	2.88	.14	.35												
August 15–16	8.25 p. m.	7.20 a. m.	1.82	4.33 a. m.	5.32 a. m.	1.53	1.17	1.26	1.39	1.46	1.62	1.68	1.76	1.89	1.01	1.08	1.27			
Sept. 1	D. N.	D. N.	.79	1.31 a. m.	2.00 a. m.	.01	.12	.21	.21	.42	.69	.77								
Nov. 22	4.20 p. m.	5.40 p. m.	.31	5.09 p. m.	5.13 p. m.	.04	.25													
Grand Rapids, Mich.:																				
Aug. 15–16	4.28 p. m.	7.50 a. m.	2.63	9.47 p. m.	10.34 p. m.	.13	.05	.18	.25	.36	.50	.55	.56	.58	.71	.77				
				12.09 a. m.	12.38 a. m.	1.02	.08	.17	.21	.33	.51	.60								
				5.49 a. m.	6.12 a. m.	1.78	.10	.33	.45	.56	.63									
Marquette, Mich.:																				
June 7	4.00 p. m.	12.00 Midt.	1.45	5.08 p. m.	5.30 p. m.	.26	.12	.32	.68	.91	.94									
June 22	1.35 p. m.	6.30 p. m.	.99	2.48 p. m.	3.03 p. m.	.28	.26	.40	.46											
Port Huron, Mich.:																				
June 19	3.20 p. m.	5.00 p. m.	.94	3.31 p. m.	3.56 p. m.	.03	.16	.45	.66	.78	.84									
Aug. 12	D. N.	8.15 a. m.	1.69	5.18 a. m.	5.43 a. m.	.13	.13	.33	.41	.64	.69									
				6.12 p. m.	6.37 a. m.	.91	.11	.21	.34	.45	.62									
Chicago, Ill.:																				
May 28	4.45 a. m.	8.18 a. m.	.80	6.14 a. m.	6.23 a. m.	.11	.14	.41												
	7.12 p. m.	0.11 p. m.	.81	7.38 p. m.	7.58 p. m.	.03	.10	.26	.38	.49										
Aug. 11–12	8.40 p. m.	3.55 a. m.	3.30	9.39 p. m.	11.05 p. m.	.05	.30	.57	.74	.94	1.03	1.04	1.05	1.06	1.06	1.08	1.39	1.70	1.98	
				11.51 p. m.	12.13 a. m.	2.06	.07	.27	.48	.53	.58									
Milwaukee, Wis.:																				
Mar. 27	11.45 a. m.	10.30 p. m.	1.26	7.50 p. m.	8.22 p. m.	.13	.12	.15	.30	.35	.45	.53	.59							
May 25	1.55 p. m.	2.28 p. m.	.67	2.03 p. m.	2.23 p. m.	.05	.22	.42	.53	.58										
July 6	4.55 p. m.	6.10 p. m.	1.32	5.04 p. m.	5.46 p. m.	.01	.16	.23	.35	.70	.90	1.15	1.18	1.25	1.28					
Duluth, Minn.:																				
June 8	10.00 a. m.	5.00 p. m.	1.00	12.22 a. m.	10.30 a. m.	.08	.24	.30												
June 22	10.31 a. m.	1.35 p. m.	.62	10.33 a. m.	10.48 a. m.	.02	.14	.29	.36											
July 27	2.25 p. m.	5.25 p. m.	1.58	2.33 p. m.	3.13 p. m.	.02	.16	.36	.57	.77	.91	1.08	1.25	1.33						
Sept. 24	3.35 a. m.	8.20 a. m.	1.90	4.04 a. m.	5.33 a. m.	.07	.07	.16	.29	.33	.35	.35	.36	.51	.68	.76	.78	1.04	1.35	
Sept. 26	7.40 a. m.	3.00 p. m.	.86	10.45 a. m.	11.04 a. m.	.23	.07	.10	.26	.46										
NORTH DAKOTA.																				
Moorhead, Minn.:																				
July 27	5.10 a. m.	7.15 a. m.	1.52	5.19 a. m.	6.03 a. m.	.02	.13	.21	.34	.44	.60	.80	1.15	1.32	1.38					
Aug. 29	8.04 a. m.	9.40 a. m.	2.00	8.04 a. m.	9.11 a. m.	.00	.34	1.02	1.24	1.28	1.33	1.34	1.35	1.38	1.40	1.40	1.72	1.98		
Sept. 17	3.15 p. m.	6.25 p. m.	.75	3.25 p. m.	3.53 p. m.	.04	.09	.21	.39	.52	.63	.66								
Bismarck, N. Dak.:																				
Aug. 10	5.48 p. m.	6.40 p. m.	1.03	5.49 p. m.	6.20 p. m.	T.	.27	.49	.60	.70	.84	.96								
Williston, N. Dak.:																				
June 16	2.42 p. m.	7.15 p. m.	.81	4.13 p. m.	4.28 p. m.	.09	.10	.32	.42											
UPPER MISSISSIPPI VALLEY.																				
Minneapolis, Minn.:																				
May 27	1.48 a. m.	5.10 a. m.	1.25	2.16 a. m.	2.46 a. m.	.18	.23	.34	.39	.46	.53	.67								
				3.22 a. m.	3.30 a. m.	.91	.17	.31												
				6.32 p. m.	6.49 p. m.	.01	.09	.23	.34	.43										
Sept. 12–13	6.20 p. m.	6.30 a. m.	3.11	8.54 p. m.	9.32 p. m.	.59	.06	.11	.28	.62	.89	.93	1.05	1.10						
				10.15 p. m.	10.52 p. m.	1.73	.17	.23	.27	.39	.47	.54	.60	.64						
St. Paul, Minn.:																				
Sept. 12	6.38 p. m.	1.45 p. m.	1.93	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
La Crosse, Wis.:																				
May 29	6.27 p. m.	3.45 p. m.	1.42	2.52 p. m.	3.35 p. m.	.11	.18	.30	.31	.32	.34	.40	.71	1.19	1.30					
June 22	2.31 p. m.	8.30 p. m.	1.15	7.12 p. m.	7.32 p. m.	.03	.14	.32	.54	.72										
Madison, Wis.:																				
May 18	5.35 a. m.	7.05 a. m.	.70	5.48 a. m.	6.03 a. m.	.01	.18	.52	.58											
Charles City, Iowa:																				
June 20	5.37 p. m.	8.35 p. m.	2.43	5.45 p. m.	6.35 p. m.	.01	.16	.35	.63	.83	.92	1.02	1.20	1.48	1.66	1.81				
				7.27 p. m.	7.40 p. m.	1.93	.12	.27	.42											
June 27	6.05 p. m.	7.20 p. m.	1.66	6.18 p. m.	7.06 p. m.	.02	.45	.72	.89	1.11	1.25	1.32	1.37	1.43	1.57	1.64				
July 16	7.03 p. m.	7.55 p. m.	1.58	7.04 p. m.	7.33 p. m.	.02	.16	.45	.85	1.09	1.39	1.54								
July 16–17	1.15 p. m.	4.05 a. m.	.94	11.15 p. m.	11.40 p. m.	.00	.20	.34	.41	.53	.58									

[1] Partly estimated.

[2] Tipping bucket failed to record.

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.														
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
UPPER MISSISSIPPI VALLEY—con.																				
Davenport, Iowa:																				
Mar. 27	5.20 p. m.	D. N.	.54	7.40 p. m.	7.50 p. m.	.19	.18	.32												
June 6	11.49 a. m.	1.40 p. m.	1.96	12.17 p. m.	1.07 p. m.	.01	.26	.56	.80	.95	1.06	1.24	1.35	1.63	1.75	1.87				
July 4	2.50 a. m.	5.00 a. m.	1.17	2.56 a. m.	3.16 a. m.	.01	.30	.47	.82	1.10										
Aug. 11–12	4.30 p. m.	11.20 a. m.	3.52	5.54 p. m.	6.24 p. m.	.05	.08	.27	.58	.83	1.20	1.33								
				11.08 p. m.	11.38 p. m.	2.27	.16	.30	.41	.52	.58	.66								
Des Moines, Iowa:																				
Apr. 22–23	11.30 p. m.	6.05 a. m.	1.18	12.01 a. m.	12.11 a. m.	.06	.19	.42												
May 12–13	8.05 p. m.	12.25 a. m.	1.52	8.59 p. m.	9.16 p. m.	.32	.17	.32	.44	.45										
May 24–25	9.03 p. m.	4.15 a. m.	1.12	9.32 p. m.	10.06 p. m.	.14	.17	.22	.28	.30	.41	.52	.59							
May 25	2.10 p. m.	3.25 p. m.	.76	2.13 p. m.	2.42 p. m.	.01	.08	.26	.42	.44	.59	.69								
June 6	2.30 a. m.	6.20 a. m.	1.13	5.17 a. m.	5.36 a. m.	.39	.09	.32	.48	.54										
June 27–28	10.05 p. m.	6.05 a. m.	1.82	10.21 p. m.	10.50 p. m.	.01	.26	.58	.72	.90	.98	1.05								
Aug. 14–15	7.45 p. m.	6.35 a. m.	4.31	8.51 p. m.	10.15 p. m.	.26	.23	.30	.34	.43	.54	.84	.92	1.02	1.19	1.40	2.10	3.05	3.16	
Dubuque, Iowa:																				
May 25–26	10.32 p. m.	D. N.	.80	10.40 p. m.	11.20 p. m.	T.	.18	.39	.47	.55										
Keokuk, Iowa:																				
May 3–4	2.15 p. m.	11.15 a. m.	1.95	6.04 a. m.	6.16 a. m.	1.00	.23	.46	.51											
May 12	5.50 p. m.	8.20 p. m.	.94	7.39 p. m.	8.01 p. m.	.13	.20	.34	.42	.71	.78									
May 18	1.45 a. m.	5.50 a. m.	.74	1.48 a. m.	2.03 a. m.	.01	.22	.34	.51											
May 27–28	11.15 p. m.	4.45 a. m.	2.07	11.26 p. m.	11.39 p. m.	.03	.23	.46	.52											
				12.09 a. m.	12.37 a. m.	.68	.13	.34	.47	.55	.62	.68								
June 13	7.20 a. m.	11.00 a. m.	1.04	10.07 a. m.	10.17 a. m.	.64	.13	.24												
June 23	9.15 a. m.	10.10 a. m.	.84	9.15 a. m.	9.46 a. m.	.00	.15	.43	.67	.69	.76	.81	.83							
Cairo, Ill.:																				
May 4–5	9.50 p. m.	D. N.	1.79	10.51 p. m.	11.32 p. m.	.02	.21	.33	.45	.63	.88	1.09	1.15	1.20	1.24					
Aug. 7	2.50 p. m.	5.00 p. m.	1.33	3.01 p. m.	3.29 p. m.	.01	.22	.41	.74	.91	1.00	1.04								
La Salle, Ill.:																				
June 13	2.12 p. m.	3.05 p. m.	1.06	2.20 p. m.	2.50 p. m.	.02	.11	.19	.25	.47	.74	1.02								
Aug. 15	5.49 p. m.	6.42 p. m.	1.02	5.49 p. m.	6.19 p. m.	.00	.23	.66	.75	.78	.92	1.00								
Peoria, Ill.:																				
Apr. 23	3.35 p. m.	6.40 p. m.	.59	6.03 p. m.	6.16 p. m.	.20	.16	.33	.37											
May 21	5.30 p. m.	D. N.	.71	5.38 p. m.	6.03 p. m.	.01	.07	.20	.31	.44	.52									
June 13	11.25 a. m.	12.40 p. m.	.78	11.37 a. m.	11.57 a. m.	.03	.10	.24	.57	.71										
June 13	1.05 p. m.	1.55 p. m.	1.29	1.08 p. m.	1.33 p. m.	.01	.21	.53	.92	1.17	1.28									
Springfield, Ill.:																				
May 21	5.40 p. m.	8.30 p. m.	1.38	5.58 p. m.	6.42 p. m.	.06	.19	.34	.60	.77	.93	1.04	1.08	1.17	1.22					
Aug. 29	5.43 a. m.	8.40 a. m.	1.36	6.19 a. m.	7.10 a. m.	.10	.25	.31	.33	.40	.46	.57	.73	.77	.85	1.03				
Hannibal, Mo.:																				
June 5	12.40 p. m.	3.50 p. m.	.77	12.56 p. m.	1.33 p. m.	.01	.17	.31	.40	.45	.45	.51	.60	.64						
June 23	10.25 a. m.	2.00 p. m.	1.05	10.38 a. m.	11.15 a. m.	.02	.14	.22	.27	.38	.47	.50	.62	.66						
June 29	D.N.,a. m.	D.N.,a. m.	1.11	1.18 a. m.	2.03 a. m.	.10	.10	.15	.16	.21	.39	.51	.62	.73	.80					
Sept. 23	6.08 p. m.	8.40 p. m.	.77	6.16 p. m.	6.37 p. m.	.01	.22	.39	.51	.64	.68									
St. Louis, Mo.:																				
May 5	8.25 p. m.	D. N.	1.14	8.31 p. m.	9.16 p. m.	.01	.10	.15	.17	.23	.46	.71	.76	.89	.97					
May 27	11.41 a. m.	1.45 p. m.	1.14	11.52 a. m.	12.42 p. m.	.01	.05	.12	.20	.37	.60	.72	.80	.86	.97	1.02				
July 6	1.35 p. m.	2.30 p. m.	1.09	1.44 p. m.	2.08 p. m.	.01	.12	.34	.72	1.05	1.08									
MISSOURI VALLEY.																				
Columbia, Mo.:																				
May 5–6	5.35 p. m.	D. N.	.87	7.38 p. m.	7.58 p. m.	.04	.16	.32	.54	.62										
May 21	2.15 p. m.	2.58 p. m.	.74	2.20 p. m.	2.40 p. m.	.03	.10	.22	.41	.68										
May 28	2.18 p. m.	3.04 p. m.	.92	2.28 p. m.	2.48 p. m.	.02	.31	.61	.76	.86										
June 3	8.38 a. m.	11.27 a. m.	1.52	8.46 a. m.	9.36 a. m.	.02	.17	.32	.52	.70	.79	.90	1.01	1.08	1.15	1.24				
June 23	10.40 a. m.	2.20 p. m.	1.14	12.00 noon.	12.35 p. m.	.35	.11	.16	.37	.46	.58	.67	.72							
June 29	D. N.	7.15 a. m.	.92	1.13 a. m.	1.28 a. m.	.01	.43	.53	.62											
July 24	12.42 p. m.	2.28 p. m.	1.55	1.12 p. m.	1.37 p. m.	.09	.63	.99	1.22	1.31	1.37									
Aug. 6	5.31 a. m.	7.45 a. m.	1.24	6.36 a. m.	7.16 a. m.	.01	.14	.25	.30	.44	.62	.85	1.11	1.22						
Aug. 28	5.36 p. m.	8.45 p. m.	2.03	5.46 p. m.	7.31 p. m.	.04	.13	.20	.24	.26	.39	.75	1.04	1.11	1.27	1.34	1.41	1.58	1.82	1.98
Sept. 26–27	6.15 p. m.	5.50 p. m.	2.15	8.17 p. m.	8.37 p. m.	.39	.14	.27	.43	.50										
				11.34 p. m.	11.49 p. m.	1.24	.13	.28	.43											
Kansas City, Mo.:																				
June 13	1.50 a. m.	3.15 p. m.	2.70	2.10 a. m.	2.50 a. m.	.01	.20	.28	.36	.44	.48	.53	.68	.77						
				3.33 a. m.	3.53 a. m.	1.06	.08	.31	.62	.74										
June 18–19	9.30 p. m.	7.05 a. m.	1.93	4.30 a. m.	5.45 a. m.	.51	.09	.12	.21	.39	.54	.61	.64	.68	.71	.77	.88	1.36		
Oct. 21–22	4.15 p. m.	D. N.	4.11	5.56 p. m.	6.46 p. m.	.64	.13	.26	.35	.36	.37	.37	.40	.50	.61	.68				
				6.46 p. m.	7.36 p. m.		.68	.77	.95	1.09	1.18	1.28	1.37	1.43	1.47	1.52				
				7.36 p. m.	8.14 p. m.		1.59	1.63	1.74	1.85	1.92	1.96	2.01	2.05						
Springfield, Mo.:																				
Apr. 7	12.45 a. m.	10.45 a. m.	1.52	6.11 a. m.	6.36 a. m.	.25	.05	.17	.30	.63	.81									
June 13	D. N.	8.45 a. m.	.91	4.59 a. m.	5.09 a. m.	.02	.22	.32												
June 23	7.48 p. m.	8.55 p. m.	.80	7.51 p. m.	8.16 p. m.	.01	.23	.47	.56	.66	.72									

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
MISSOURI VALLEY—continued.																				
Iola, Kans.:																				
Apr. 6	4.15 p. m.	5.30 p. m.	1.86	4.24 p. m.	5.12 p. m.	.02	.07	.18	.24	.54	.95	1.18	1.43	1.52	1.64	1.72	....	....	....	....
Apr. 6–7	11.15 p. m.	7.15 a. m.	1.87	1.57 a. m.	3.21 a. m.	.28	.12	.21	.29	.46	.67	.79	.83	.83	.83	.83	.90	1.28	1.37	....
May 4	2.05 a. m.	6.00 a. m.	1.07	2.15 a. m.	2.50 a. m.	.05	.09	.21	.29	.40	.47	.52	.58	....	....	....	....	....	....	....
June 4	8.24 p. m.	10.15 p. m.	.83	8.54 p. m.	9.29 p. m.	.02	.08	.21	.35	.45	.49	.65	.79	....	....	....	....	....	....	....
June 5	12.20 a. m.	5.10 a. m.	.80	4.12 a. m.	4.47 a. m.	.10	.09	.19	.29	.42	.46	.55	.65	....	....	....	....	....	....	....
June 12	6.15 a. m.	8.00 a. m.	1.29	6.55 a. m.	7.32 a. m.	.03	.38	.70	.85	.94	1.03	1.11	1.17	1.20	....	....	....	....	....	....
June 28–29	8.18 p. m.	5.30 a. m.	1.60	12.37 a. m.	12.52 a. m.	.39	.10	.25	.35	....	....	....	....	....	....	....	....	....	....	....
Aug. 31	5.25 p. m.	6.48 p. m.	1.03	5.29 p. m.	5.44 p. m.	.01	.47	.80	.99	....	....	....	....	....	....	....	....	....	....	....
Oct. 21	10.45 a. m.	12.35 p. m.	.64	11.31 a. m.	11.51 a. m.	.04	.18	.23	.24	.45	....	....	....	....	....	....	....	....	....	....
Oct. 21–22	5.34 p. m.	2.30 a. m.	2.47	6.59 p. m.	7.48 p. m.	.21	.27	.46	.63	.67	.69	.69	.70	.79	.96	1.01	....	....	....	....
Nov. 23	2.15 p. m.	5.30 p. m.	1.68	2.30 p. m.	3.50 p. m.	.01	.12	.32	.44	.44	.46	.47	.49	.55	.63	.72	.84	1.06	....	....
Nov. 24–25	10.48 p. m.	2.00 a. m.	1.14	10.53 p. m.	11.38 p. m.	.01	.08	.11	.21	.31	.36	.45	.58	.71	.76	....	....	....	....	....
Topeka, Kans.:																				
May 13	1.15 p. m.	2.15 p. m.	.64	1.21 p. m.	1.36 p. m.	.01	.29	.47	.57	....	....	....	....	....	....	....	....	....	....	....
June 12	4.00 a. m.	8.15 a. m.	1.71	4.03 a. m.	4.28 a. m.	.01	.22	.43	.61	.72	.81	....	....	....	....	....	....	....	....	....
June 13	1.50 a. m.	11.55 a. m.	2.02	2.14 a. m.	3.03 a. m.	.03	.07	.12	.22	.47	.74	.92	1.10	1.19	1.26	1.32	....	....	....	....
June 30	5.58 p. m.	8.15 p. m.	1.56	6.09 p. m.	6.34 p. m.	.03	.08	.21	.51	.93	1.16	....	....	....	....	....	....	....	....	....
July 6	1.45 p. m.	4.50 p. m.	.97	1.54 p. m.	2.11 p. m.	.05	.21	.47	.66	.71	....	....	....	....	....	....	....	....	....	....
July 23	2.58 p. m.	8.15 p. m.	1.42	3.12 p. m.	3.38 p. m.	.09	.12	.22	.38	.62	.80	.84	....	....	....	....	....	....	....	....
Aug. 6	4.18 p. m.	10.35 p. m.	1.30	7.50 p. m.	8.07 p. m.	.48	.19	.42	.56	.61	....	....	....	....	....	....	....	....	....	....
Aug. 7	12.15 a. m.	10.05 a. m.	2.63	5.52 a. m.	6.32 a. m.	1.48	.06	.10	.21	.30	.39	.51	.55	.64	....	....	....	....	....	....
Aug. 19	3.59 a. m.	8.25 a. m.	1.10	4.36 a. m.	4.59 a. m.	.08	.24	.42	.58	.71	.77	....	....	....	....	....	....	....	....	....
Aug. 26	5.35 p. m.	8.45 p. m.	1.00	6.20 p. m.	6.37 p. m.	.04	.08	.30	.50	.54	....	....	....	....	....	....	....	....	....	....
Lincoln, Nebr.:																				
June 1–2	8.40 p. m.	3.50 a. m.	2.29	1.11 a. m.	1.53 a. m.	1.40	.07	.11	.15	.19	.25	.32	.43	.64	.68	....	....	....	....	....
June 5–6	11.10 p. m.	12.30 a. m.	.75	11.26 p. m.	11.54 p. m.	.02	.11	.15	.29	.44	.56	.64	....	....	....	....	....	....	....	....
June 6–7	11.35 p. m.	5.45 a. m.	1.34	4.25 a. m.	4.52 a. m.	.71	.06	.23	.36	.40	.47	.52	....	....	....	....	....	....	....	....
				10.45 p. m.	11.35 p. m.	.03	.15	.27	.59	.80	1.00	1.17	1.40	1.59	1.70	1.80	....	....	....	....
				11.35 p. m.	12.25 a. m.	.....	1.87	1.89	1.91	1.93	1.97	2.02	2.15	2.39	2.50	2.53	....	....	....	....
July 5–6	10.35 p. m.	6.00 a. m.	4.55	12.25 a. m.	1.15 a. m.	.....	2.58	2.66	2.72	2.84	2.91	3.02	3.15	3.21	3.31	3.45	....	....	....	....
				1.15 a. m.	1.30 a. m.	.....	3.59	3.78	3.86	....	....	....	....	....	....	....	....	....	....	....
Omaha, Nebr.:																				
Apr. 23	7.25 p. m.	8.05 p. m.	.55	7.30 p. m.	7.58 p. m.	.01	.05	.19	.39	.44	.50	.53	....	....	....	....	....	....	....	....
May 12	4.20 p. m.	6.30 p. m.	1.16	5.02 p. m.	6.12 p. m.	.02	.05	.14	.21	.27	.34	.49	.61	.64	.70	.72	.86	1.14	....	....
June 5–6	10.25 p. m.	4.05 a. m.	1.22	11.35 p. m.	12.59 a. m.	.03	.07	.19	.30	.39	.44	.52	.62	.72	.77	.80	.87	.98	1.08	....
June 27	7.20 p. m.	10.30 p. m.	1.34	7.22 p. m.	8.05 p. m.	T.	.08	.21	.29	.43	.56	.75	1.00	1.29	1.33	....	....	....	....	....
July 5–6	7.42 p. m.	6.25 a. m.	1.88	7.52 p. m.	8.32 p. m.	.01	.06	.13	.22	.39	.62	.83	.87	1.01	....	....	....	....	....	....
Sioux City, Iowa:																				
June 7	6.50 p. m.	8.35 p. m.	.86	6.50 p. m.	7.35 p. m.	.00	.30	.35	.40	.44	.47	.52	.59	.66	.73	....	....	....	....	....
July 5–6	11.15 p. m.	10.10 a. m.	1.46	2.38 a. m.	3.08 a. m.	.39	.06	.16	.36	.56	.77	.86	....	....	....	....	....	....	....	....
Aug. 15	5.50 p. m.	7.30 p. m.	1.19	6.30 p. m.	6.47 p. m.	.02	.18	.60	.86	.93	....	....	....	....	....	....	....	....	....	....
Pierre, S. Dak.:																				
July 5	2.30 a. m.	4.10 a. m.	1.20	2.41 a. m.	3.00 a. m.	.03	.36	.73	.99	1.08	....	....	....	....	....	....	....	....	....	....
Huron, S. Dak.:																				
May 13–14	4.25 p. m.	5.40 a. m.	3.43	5.13 p. m.	6.48 p. m.	.10	.09	.15	.26	.37	.58	.77	.79	.86	.92	.96	1.14	1.58	1.83	....
June 17	6.10 p. m.	D. N.	3.41	7.37 p. m.	8.55 p. m.	.02	.20	.29	.35	.40	.42	.50	.64	.75	.79	.80	.98	1.89	....	....
				10.09 p. m.	10.55 p. m.	2.09	.06	.16	.32	.42	.69	.73	.97	1.15	1.29	1.31	....	....	....	....
July 4–5	10.45 p. m.	D. N.	1.05	12.55 a. m.	1.45 a. m.	.31	.11	.18	.20	.21	.31	.45	.52	.61	.65	.71	....	....	....	....
July 25	D. N.	5.50 a. m.	.93	5.23 a. m.	5.32 a. m.	.53	.20	.34	....	....	....	....	....	....	....	....	....	....	....	....
July 25	2.20 p. m.	4.12 p. m.	.78	2.48 p. m.	3.28 p. m.	.05	.22	.34	.37	.40	.45	.49	.54	.66	....	....	....	....	....	....
Yankton, S. Dak.:																				
June 6–7	7.30 p. m.	6.15 a. m.	1.19	7.38 p. m.	7.48 p. m.	.01	.31	.51	....	....	....	....	....	....	....	....	....	....	....	....
July 12	5.10 a. m.	3.20 p. m.	2.71	5.50 a. m.	6.15 a. m.	.25	.12	.32	.40	.45	.50	....	....	....	....	....	....	....	....	....
				10.35 a. m.	11.05 a. m.	1.50	.10	.30	.49	.61	.72	.83	....	....	....	....	....	....	....	....
Aug. 14	D. N.	8.55 a. m.	.93	6.43 a. m.	7.40 a. m.	.08	.11	.22	.32	.34	.34	.35	.38	.46	.62	.71	.84	....	....	....
NORTHERN SLOPE.																				
Havre, Mont.:																				
May 25	2.25 p. m.	4.30 p. m.	.58	3.10 p. m.	3.23 p. m.	.13	.17	.36	.42	....	....	....	....	....	....	....	....	....	....	....
Rapid City, S. Dak.:																				
May 26	3.50 p. m.	7.15 p. m.	.97	4.00 p. m.	4.24 p. m.	.02	.18	.33	.41	.48	.53	....	....	....	....	....	....	....	....	....
May 31–June 1	7.50 p. m.	8.35 a. m.	2.04	10.16 p. m.	10.47 p. m.	.46	.05	.18	.33	.43	.46	.56	.60	....	....	....	....	....	....	....
June 2–3	7.05 p. m.	7.20 a. m.	1.42	2.37 a. m.	3.03 a. m.	.47	.09	.23	.28	.34	.46	.51	....	....	....	....	....	....	....	....
Sept. 13	8.20 p. m.	D. N.	1.00	8.32 p. m.	8.58 p. m.	.01	.07	.21	.35	.42	.49	....	....	....	....	....	....	....	....	....
Sept. 17	6.30 p. m.	7.00 p. m.	1.04	6.33 p. m.	6.52 p. m.	.01	.45	.61	.83	1.02	....	....	....	....	....	....	....	....	....	....
Cheyenne, Wyo.:																				
June 2	9.15 p. m.	11.20 p. m.	1.16	9.40 p. m.	9.55 p. m.	.05	.16	.62	.84	....	....	....	....	....	....	....	....	....	....	....
July 22	3.25 p. m.	4.30 p. m.	.83	3.50 p. m.	4.15 p. m.	.08	.11	.36	.54	.67	.73	....	....	....	....	....	....	....	....	....
North Platte, Nebr.:																				
June 22–23	10.15 p. m.	1.15 a. m.	1.87	10.46 p. m.	11.47 p. m.	.03	.10	.14	.19	.21	.28	.45	.66	.73	.98	1.42	1.71	....	....	....
Oct. 18–19	D. N.	2.45 p. m.	3.25	7.52 a. m.	9.01 a. m.	.43	.05	.12	.30	.54	.80	1.03	1.11	1.20	1.26	1.32	1.50	1.63	....	....
MIDDLE SLOPE.																				
Denver, Colo.:																				
June 15	11.41 a. m.	12.45 p. m.	1.03	11.43 a. m.	12.06 p. m.	T.	.35	.70	.81	.90	.96	....	....	....	....	....	....	....	....	....

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NORTHERN SLOPE—continued.																				
Concordia, Kans.:																				
May 20–21	9.23 p. m.	4.00 a. m.	1.67	12.19 a. m.	12.44 a. m.	.98	.25	.32	.37	.43	.48									
May 27	7.10 p. m.	9.18 p. m.	1.39	8.12 p. m.	8.50 p. m.	.28	.10	.26	.39	.46	.62	.78	.91	1.05						
June 1–2	9.38 p. m.	2.15 a. m.	2.06	10.23 p. m.	10.56 p. m.	.07	.21	.60	.95	1.21	1.44	1.57	1.63							
June 4	5.23 a. m.	6.40 a. m.	1.21	5.53 a. m.	6.33 a. m.	.03	.10	.21	.32	.38	.68	1.02	1.12	1.17						
June 5	3.30 a. m.	8.23 a. m.	3.10	3.34 a. m.	4.23 a. m.	.02	.32	.57	.75	.85	.91	1.05	1.19	1.39	1.55	1.62				
				5.10 a. m.	5.29 a. m.	1.77	.12	.36	.50	.55										
July 12–13	9.05 p. m.	2.00 a. m.	1.70	9.07 p. m.	9.59 p. m.	.01	.31	.48	.60	.68	.74	.94	1.08	1.15	1.30	1.40				
July 22	7.01 p. m.	9.15 p. m.	1.30	7.21 p. m.	7.50 p. m.	.06	.17	.50	.77	.96	1.09	1.14								
Aug. 6–7	10.55 p. m.	8.50 a. m.	2.91	2.26 a. m.	3.25 a. m.	1.40	.14	.31	.37	.48	.52	.57	.60	.64	.72	.78	.95			
Aug. 26	3.32 p. m.	5.30 p. m.	2.54	3.38 p. m.	4.24 p. m.	.01	.10	.41	.83	1.36	1.78	2.09	2.23	2.35	2.43					
Sept. 22	1.56 p. m.	3.28 p. m.	1.22	2.38 p. m.	3.13 p. m.	.02	.05	.21	.42	.72	1.00	1.09	1.16							
Dodge City, Kans.:																				
June 6	4.28 p. m.	9.20 p. m.	2.59	7.33 p. m.	8.25 p. m.	.72	.08	.19	.45	.88	1.17	1.40	1.49	1.55	1.69	1.76	1.79			
June 28	9.23 p. m.	10.15 p. m.	1.37	9.35 p. m.	10.00 p. m.	.05	.19	.33	.55	1.05	1.30									
Sept. 25	6.12 p. m.	8.05 p. m.	.57	7.04 p. m.	7.22 p. m.	.06	.11	.22	.30	.44										
Oct. 19	D. N.	11.30 a. m.	.82	8.20 a. m.	8.42 a. m.	.05	.14	.34	.41	.46	.50									
Wichita, Kans.:																				
May 11	12.10 a. m.	1.30 a. m.	.92	12.21 a. m.	12.50 a. m.	.02	.12	.25	.46	.66	.82	.89								
May 31–June 1	12.40 p. m.	D. N.	3.70	4.48 p. m.	5.38 p. m.	1.22	.27	.43	.66	1.00	1.22	1.32	1.41	1.46	1.50	1.57				
June 12–13	11.50 p. m.	3.50 a. m.	1.00	11.59 p. m.	12.22 a. m.	.01	.12	.25	.45	.56	.59									
June 27–28	11.20 p. m.	4.00 a. m.	1.01	11.29 p. m.	11.55 p. m.	.01	.09	.29	.36	.43	.50	.51								
June 28–29	9.08 p. m.	D. N.	2.11	12.10 a. m.	12.43 a. m.	.31	.34	.67	.87	.96	1.04	1.16	1.19							
Aug. 26–27	10.25 p. m.	D. N.	3.57	11.57 p. m.	12.24 a. m.	.07	.05	.11	.28	.70	1.00	1.02								
				1.53 a. m.	2.45 a. m.	1.15	.17	.41	.57	.83	.98	1.22	1.54	1.87	2.17	2.36	2.40			
Sept. 3	4.45 p. m.	8.00 p. m.	.78	5.06 p. m.	5.23 p. m.	.06	.09	.35	.48	.53										
Sept. 14	6.40 a. m.	5.28 p. m.	1.45	8.57 a. m.	9.49 a. m.	.39	.11	.20	.27	.34	.48	.53	.55	.66	.73	.85	.91			
Oklahoma, Okla.:																				
May 13	8.50 a. m.	10.00 a. m.	.60	8.56 a. m.	9.11 a. m.	.01	.14	.32	.45											
May 22–23	5.20 p. m.	4.00 a. m.	2.76	5.44 p. m.	6.19 p. m.	.01	.05	.10	.19	.44	.76	.90	.95							
May 23–24	7.45 a. m.	D. N.	4.21	10.35 a. m.	11.10 a. m.	.18	.07	.11	.17	.34	.51	.64	.74							
				12.38 p. m.	1.18 p. m.	1.15	.06	.27	.33	.38	.57	.66	.74	.81						
June 9–10	11.20 p. m.	8.00 a. m.	2.08	12.41 a. m.	1.21 a. m.	.01	.09	.40	.75	1.02	1.22	1.35	1.46	1.52						
June 23–24	9.25 p. m.	D. N.	2.82	9.27 p. m.	10.27 p. m.	.01	.10	.17	.28	.47	.79	1.07	1.45	1.87	2.15	2.40	2.65			
Sept. 3–4	10.10 p. m.	4.30 a. m.	1.97	1.52 a. m.	2.32 a. m.	1.05	.06	.14	.26	.35	.50	.58	.64	.69						
Sept. 22–23	8.20 p. m.	D. N.	1.50	8.28 p. m.	9.08 p. m.	.02	.05	.18	.38	.58	.83	1.02	1.18	1.27						
Oct. 20–21	6.10 p. m.	D. N.	1.94	12.56 a. m.	1.41 a. m.	.73	.05	.28	.41	.69	.71	.79	.97	1.07	1.18					
Oct. 21–22	5.45 p. m.	D. N.	1.97	6.24 p. m.	7.54 p. m.	.10	.13	.32	.36	.37	.37	.37	.40	.57	.59	.70	.84	1.40	1.73	
Oct. 22–23	D. N.	D. N.	3.24	12.47 p. m.	1.12 p. m.	1.75	.08	.26	.41	.52	.60									
SOUTHERN SLOPE.																				
Abilene, Tex.:																				
Apr. 17–18	8.30 p. m.	7.05 a. m.	2.31	10.00 p. m.	10.25 p. m.	.04	.23	.46	.55	.59										
				1.05 a. m.	1.40 a. m.	.81	.06	.27	.35	.36	.41	.51	.57							
May 22	7.55 p. m.	10.45 p. m.	4.45	8.53 p. m.	9.40 p. m.	.02	.35	.52	.82	1.06	1.42	1.77	2.10	2.41	2.56	2.60	2.70	3.17	4.17	4.42
May 23–24	6.35 p. m.	7.10 a. m.	1.28	7.50 p. m.	8.15 p. m.	.10	.15	.34	.42	.69	.75									
July 6	4.30 p. m.	6.10 p. m.	1.01	4.48 p. m.	5.12 p. m.	.05	.32	.62	.78	.86	.91									
July 25	2.10 p. m.	2.55 p. m.	.89	2.10 p. m.	2.35 p. m.	.00	.20	.46	.61	.77	.84									
Oct. 6	7.05 p. m.	8.55 p. m.	1.30	7.12 p. m.	7.59 p. m.	.06	.08	.26	.32	.43	.63	.84	.98	1.05	1.11	1.15				
Oct. 22	12.01 a. m.	6.30 a. m.	4.65	12.17 a. m.	2.11 a. m.	.07	.06	.16	.41	.71	.80	.89	1.05	1.35	1.70	1.92	2.27	2.50	3.29	3.94
Amarillo, Tex.:																				
Apr. 15–16	10.20 p. m.	2.15 a. m.	.66	10.25 p. m.	10.38 p. m.	.02	.10	.32	.46											
May 22	7.30 a. m.	3.34 p. m.	1.79	8.31 a. m.	9.09 a. m.	.07	.15	.36	.38	.40	.44	.73	.88	.93						
June 28	7.30 p. m.	8.30 p. m.	.58	7.44 p. m.	8.17 p. m.	.01	.05	.10	.16	.29	.46	.53	.57							
July 1	8.45 p. m.	11.03 p. m.	1.07	9.00 p. m.	9.20 p. m.	.02	.31	.09	.88	.95										
Del Rio, Tex.:																				
May 23–24	11.55 p. m.	2.15 a. m.	1.87	12.03 a. m.	12.33 a. m.	.04	.32	.75	1.17	1.38	1.52	1.64								
Aug. 20	3.50 p. m.	10.20 p. m.	1.37	4.34 p. m.	5.04 p. m.	.25	.20	.39	.53	.63	.82	.88								
Oct. 7	1.10 a. m.	5.10 a. m.	1.86	1.47 a. m.	2.42 a. m.	.02	.11	.31	.39	.42	.46	.57	.85	1.04	1.30	1.50	1.61			
SOUTHERN PLATEAU.																				
El Paso, Tex.:																				
July 2	8.40 p. m.	9.25 p. m.	1.13	8.52 p. m.	9.17 p. m.	.03	.23	.42	.64	.96	1.09									
Flagstaff, Ariz.:																				
July 16–17	11.55 a. m.	D. N.	1.05	12.10 p. m.	12.45 p. m.	.01	.08	.24	.35	.47	.58	.70	.76							
Aug. 2	12.20 p. m.	4.50 p. m.	1.44	3.01 p. m.	3.30 p. m.	.14	.11	.41	.75	.96	1.06	1.15								
Phoenix, Ariz.:																				
July 17–18	8.34 p. m.	2.25 a. m.	1.41	9.11 p. m.	9.38 p. m.	.07	.18	.46	.78	.99	1.11	1.15								
MIDDLE PLATEAU.																				
Modena, Utah:																				
July 26	1.22 p. m.	6.04 p. m.	1.20	1.30 p. m.	2.06 p. m.	.01	.08	.29	.49	.74	.90	1.00	1.06	1.09						
July 27	8.02 p. m.	10.15 p. m.	1.01	8.09 p. m.	8.40 p. m.	.03	.07	.12	.32	.58	.71	.80	.82							
Salt Lake City, Utah:																				
Sept. 23	7.40 p. m.	11.15 p. m.	.50	9.35 p. m.	9.50 p. m.	.07	.21	.32	.36											

TABLE SHOWING THE ACCUMULATED AMOUNTS OF PRECIPITATION FOR EACH FIVE MINUTES DURING ALL STORMS OF 1908, ETC.—Continued.

Station and date.	Total duration.		Total amount of precipitation (inches).	Excessive rate.		Amount before excessive rate began (inches).	Accumulated amounts of precipitation (in inches) during periods of time indicated.													
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
NORTHERN PLATEAU.																				
Baker City, Oreg.:																				
July 13	2.40 p. m.	4.20 p. m.	.95	3.05 p. m.	3.35 p. m.	.06	.08	.20	.36	.50	.66	.78	....	....	....	....	....	....	....	....
SOUTHERN PACIFIC COAST REGION.																				
Los Angeles, Cal.:																				
Jan. 14	D. N.	5.45 a. m.	.71	4.16 a. m.	4.23 a. m.	.09	.42	.53	....	....	....	....	....	....	....	....	....	....	....	....
Feb. 9	D. N.	10.12 a. m.	1.28	6.32 a. m.	6.57 a. m.	.48	.06	.20	.36	.42	.47	....	....	....	....	....	....	....	....	....

PART III.

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR ONE HUNDRED AND EIGHTY-SIX STATIONS DURING 1908.

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EXPLANATION OF THE TABLES.

For a detailed account of the method of reducing the observed barometric pressures the reader is referred to the "Report on the barometry of the United States, Canada, and the West Indies," to be found in the Annual Report of the Chief of the Weather Bureau, 1900–1901, Volume II.

Pressure.—Two mercurial barometers of the well-known Fortin cistern pattern, or a modified form thereof, are furnished each station. One of these, the "station barometer," is used in making all regular observations; the other, the "extra," is held in reserve for use in case of emergency, except that once each month five comparative readings are made on the two instruments for purpose of check upon the deterioration of either instrument.

Each barometer, before issue to station, is compared with the substandard at Washington, and a certificate or correction card furnished showing the several constant corrections that must be applied to the readings of the instrument in order to derive therefrom the actual pressure of the air in standard units at a specified elevation. Each observation as made, therefore, is corrected by the application of the following:

(1) Correction for scale errors, capillarity, etc.

(2) Correction to standard gravity, comprising both a latitude and altitude term.

(3) Correction for removal—a correction applied if any change has been made in the elevation of the barometer to reduce the readings to the elevation adopted in 1900.

Corrections 1, 2, and 3 are constant for any one station and are combined in a single sum.

(4) Correction for the temperature of the scale and mercurial column.

The monthly mean pressures given in the summary are deduced from the corrected observations of pressure at 8 a. m. and 8 p. m., seventy-fifth meridian time, by taking the mean thereof and applying thereto a correction to reduce to the mean of 24-hourly observations.

The extremes are selected from a consideration of the 8 a. m., the 8 p. m., and all special observations made during the month.

The homogeneous system of pressures.—In the report on barometry mentioned above, which comprises a discussion of the Weather Bureau observations for the years 1873–1899, inclusive, it was shown that a "residual-reduction" correction is required for several stations in order to produce a system of homogeneous pressures or smooth isobars on any selected plane, as the sea-level plane, the 3,500-foot plane, or the 10,000-foot plane.

The corrections required to reduce a given observed barometric reading to a true air pressure are fully specified above under 1, 2, 3, and 4. The additional corrections required to reduce the pressure thus obtained to any desired plane, as the sea-level plane, for example, are:

(5) B_0.—B. The free air Laplacean reduction from the station to any other level, including the gravity term, but not the aqueous vapor tension.

(6) C. $\Delta\theta$. H. The correction of the free air reduction for the Plateau effect.

(7) e_1. The correction for the moisture mixed with the dry air.

(8) Δ A. The local correction for certain stations to reduce them to a homogeneous system.

These four corrections to the actual station pressure are united in a "Table of reductions to sea-level" prepared for the several stations. The table was computed for the mean temperature of the air column θ; the relation between the diurnal surface temperature t, and that of the air column θ was determined, and the argument adjusted so as to transfer it from θ to t. The arguments of the table are the diurnal surface temperature t and the actual station pressure B; while the body of the table gives the reduced sea-level pressure in inches. The surface temperature is determined by the customary formula $t=\frac{8\text{ a. m.}+8\text{ p. m.}}{2}$ when two observations are taken, or by $t=\frac{\text{Max.}+\text{Min.}}{2}$ when only one observation is taken each day.

Corrections 5, 6, 7, and 8 constitute solely the reduction required to pass from a given observed air pressure at one elevation to the corresponding pressure that would be observed at another elevation.

We have, finally, in order to produce an entirely homogeneous system of pressures, one remaining correction, viz:

(9) The reduction to the mean of 24-hourly observations.

These diurnal corrections, collected by months for the several stations, are found in Table 27 of the Annual Report, 1900–1901, "Diurnal corrections of barometric pressure, taken at a few selected hours, to the mean of 24-hourly observations." This reduction of the mean monthly and yearly pressures is necessary in order to make the annual results comparable with the system derived from the discussion of the years 1873–1899, inclusive, also for the comparison of international observations where different sets of selected hours have been employed, and for the study of all cosmical problems.

The monthly mean pressures recorded in the annual summary tables have the corrections to the mean of 24-hourly observations applied to them.

It should be noted that the diurnal correction was not applied to the monthly mean pressures published in the Annual Report of the Chief of the Weather Bureau for 1900–1901.

This has now been done and the corrected values for that year were given in a special table that appeared on pages 61 to 63 of the report for 1901–2. It will be understood that the monthly and annual means given in the special table are comparable with the series of 1873–1899, published in Volume II of the 1900–1901 report.

Temperature.—The temperature of the air at 8 a. m. and 8 p. m., seventy-fifth meridian time, is obtained by the use of the whirled dry-bulb thermometer. The latter is a part of the whirled psychrometer and is mounted in the thermometer shelter adopted in 1885. The means of these observations are given in the columns headed 8 a. m. and 8 p. m., respectively.

The maximum temperature is obtained by the use of the Negretti and Zambra mercurial thermometer, having a constriction in the bore of the tube below the scale. The minimum temperature is obtained by the use of the ordinary Rutherford alcohol minimum thermometer. Both instruments are read and the values recorded twice daily, at 8 a. m. and 8 p. m., seventy-fifth meridian time, and are set twice daily, at 8 a. m. and 8 p. m. The extremes given in the summaries are for the civil day, midnight to midnight, standard of time in local use. The monthly means have been obtained by dividing the sum of the mean maximum and mean minimum temperatures by 2.

Moisture.—The monthly means of the dew-point, relative humidity, and vapor pressure are given as computed directly from the original daily observations.

The rain gages used at the regular Weather Bureau stations have a circular catchment area of about 8 inches diameter, and the snow, hail, or sleet caught within them is melted and measured as water. The rain gage proper is set within an inclosing cylinder 8 inches in diameter and 2 feet high, which serves as an overflow attachment in the case of heavy rains and as a snow gage in the winter season.

The sum total of the depth of rain and melted snow is measured to within 0.01 inch at 8 a. m. and 8 p. m., seventy-fifth meridian time, daily. The total precipitation is determined from the amounts recorded daily, midnight to midnight, standard of time in local use.

The snow caught and retained in the gage is melted and measured as water. No correction is applied for the snow that is lost out of the gage by the eddying action of the wind; consequently in some cases the record is less than would be given if the observer had measured cylinders of snow cut from the spots representing the average snowfall on the ground. When it is known that the catch of the snow gage is markedly deficient, an independent ground measurement is made and used as the official record. The loss of both rain and snow, caused by high winds, from gages located on the roofs of tall buildings in which some of the regular stations of the Weather Bureau are located is undoubtedly larger than is the case at the cooperative stations, whose gages are located in the open country and near the ground, but this loss does not appear to be sufficient to make the monthly and annual sums derived from these two classes of stations wholly inconsistent with each other.

By the maximum precipitation in twenty-four hours is meant the greatest measurement for any twenty-four consecutive hours; it does not refer to the rate of rainfall for twenty-four hours, as deduced from short, heavy showers.

The number of days with precipitation amounting to 0.01 and 0.04 inch, respectively, relates to the rainfall from midnight to midnight, standard of time in local use.

The cloudiness recorded in the summaries is derived from personal observations. The proportion of sky covered with clouds is estimated by the observer at 8 a. m. and 8 p. m., seventy-fifth meridian time, on a scale of 0–10. The two observations can not be combined into a daily mean in the present state of our knowledge of the diurnal variations in cloudiness, and are therefore given separately. In order, however, to obtain a general record of the sunshine as affecting the growth of plants, the observer keeps some memoranda of the cloudiness, sufficient to enable him at the end of the day to assign a percentage representing the average condition of the sky from sunrise to sunset; the resulting average for each month is given in the column of "daylight" cloudiness.

The number of days that were clear, as given under "Number of days, etc.," includes those on which the daylight cloudiness was 0, 1, 2, or 3 tenths; the days partly cloudy are those on which the daylight cloudiness was 4, 5, 6, or 7 tenths; the cloudy days were those having 8, 9, or 10 tenths of cloudiness during daylight.

Wind.—The direction and velocity of the wind are recorded at nearly all the stations on what is known as the "triple register." On these instruments the direction of the wind is recorded every minute.

The maximum velocities given are for five-minute periods.

A wind velocity of 40 miles per hour is considered a gale.

Number of days.—The number of days with snow includes all of those on which at least 0.01 inch of melted snow, corresponding to about one-tenth of an inch of unmelted snow, fell in the twenty-four hours, midnight to midnight, standard of time in local use.

The number of days with hail includes all of those on which at least a trace of hail fell.

No record is made of deposits of dew.

The number of days with fog includes all of those on which fog prevailed for at least an hour, and was dense enough to obscure objects 1,000 feet distant.

References and abbreviations.—H=height of barometer cistern above mean sea-level on January 1, 1900, that being the elevation to which all previous readings have been reduced. It is designated as the "station, or adopted, elevation." At stations where a change has been made in the elevation of the barometer since January 1, 1900, a corresponding correction has been applied to the observed reading, thereby reducing all values to the "station, or adopted, elevation." The actual elevation and the station, or adopted, elevation are identical, except at stations where the barometer has been moved since January 1, 1900. h_t=height of thermometer above ground; h_r=height of rain gage above ground; h_a=height of anemometer above ground.

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ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

ABILENE, TEX.

[$\varphi = 32° 23'$ N.; $\lambda = 99° 40'$ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	28.293	28.708	27.960	39.6	51.1	59.5	35.7	47.6	72	22	31	29	70	44	0.179	0.166	0.63	0.48	4.3	3.9	4.6
February	28.263	28.728	27.800	40.6	55.0	61.4	37.8	49.6	84	15	32	32	70	44	.190	.196	.11	.07	4.0	4.9	5.3
March	28.174	28.677	27.801	51.8	68.9	74.8	49.0	61.9	95	30	43	38	74	38	.294	.240	.77	.38	5.6	6.6	6.4
April	28.143	28.473	27.743	55.6	66.8	72.5	52.6	62.6	86	36	50	49	83	60	.381	.377	6.72	3.63	6.3	6.3	6.3
May	28.025	28.355	27.658	64.7	79.4	83.9	60.8	72.4	99	40	56	53	76	44	.487	.439	8.38	6.78	4.0	4.6	4.6
June	28.098	28.461	27.822	73.3	87.5	91.0	70.8	80.9	102	66	66	64	78	47	.641	.602	.49	.22	4.1	3.9	4.5
July	28.234	28.414	28.088	71.3	82.3	88.8	68.6	78.7	96	62	66	64	84	57	.645	.607	4.77	1.56	6.0	6.6	6.4
August	28.185	28.348	28.028	71.8	86.6	91.4	70.1	80.8	96	61	65	61	80	45	.619	.552	1.23	.91	3.9	4.3	4.6
September	28.222	28.461	27.951	64.7	78.4	85.4	63.2	74.3	99	40	58	58	80	53	.595	.499	2.50	1.14	3.8	3.8	4.4
October	28.232	28.532	27.856	54.6	67.9	76.0	52.1	64.0	88	37	48	48	78	49	.350	.348	6.96	4.85	3.3	2.8	3.6
November	28.267	28.745	27.679	45.3	57.4	66.0	42.2	54.1	82	24	37	36	75	48	.234	.213	2.41	1.11	3.6	2.9	3.7
December	28.297	28.742	27.897	42.0	52.4	60.2	38.8	49.5	83	23	33	33	71	51	.198	.201	0	0	6.2	5.5	6.3
Year	28.203	28.745	27.658	56.3	69.5	75.9	53.5	64.7	102	15	49	47	77	48	.394	.370	34.97	6.78	4.6	4.7	5.1

ALBANY, N. Y.

[$\varphi = 42° 39'$ N.; $\lambda = 73° 45'$ W.]

January	29.874	30.500	29.016	23.2	26.1	33.8	16.2	25.0	50	−6	18	19	78	73	0.075	0.109	1.36	0.61	6.0	4.8	6.2
February	29.981	30.764	28.942	16.0	22.0	28.0	11.3	19.6	54	−15	12	16	84	77	.089	.100	2.77	.90	5.0	4.9	5.2
March	29.985	30.500	29.380	32.7	36.2	43.5	27.3	35.4	65	9	25	28	73	73	.145	.162	1.43	.31	5.9	6.3	6.0
April	29.808	30.436	29.349	41.8	48.2	55.0	36.2	45.6	82	21	31	35	66	60	.191	.220	2.62	.72	4.9	5.7	5.0
May	29.831	30.200	29.272	57.9	62.2	70.4	51.8	61.1	86	38	48	49	70	65	.357	.379	4.26	1.32	6.2	6.5	6.1
June	29.925	30.303	29.617	66.9	72.3	80.5	58.3	69.4	89	43	54	56	64	57	.431	.457	2.32	1.15	3.4	2.5	3.1
July	29.931	30.169	29.550	70.6	76.1	84.9	64.3	74.6	93	53	62	64	75	68	.569	.610	5.33	2.38	5.0	4.3	4.6
August	29.915	30.242	29.658	65.1	71.0	79.4	59.7	69.6	93	48	57	58	76	66	.476	.504	3.03	1.02	4.1	5.6	4.8
September	29.999	30.365	29.662	59.6	67.4	77.1	54.7	65.9	87	40	52	53	78	62	.406	.427	.64	.61	2.0	2.0	5.3
October	30.059	30.498	29.507	46.9	54.3	64.3	42.8	53.6	84	29	42	44	83	70	.275	.306	2.07	.72	3.8	3.8	5.7
November	29.897	30.328	29.260	37.7	41.6	47.3	33.6	40.4	60	22	30	33	75	70	.176	.194	.40	.17	5.5	6.0	6.8
December	29.934	30.460	29.313	26.6	29.4	35.9	21.3	28.6	62	8	20	20	76	67	.114	.111	1.58	.83	6.5	5.5	6.3
Year	29.928	30.764	28.943	45.4	50.6	58.3	39.8	49.1	93	−15	38	40	75	67	.275	.298	28.41	2.38	4.9	4.8	5.4

ALPENA, MICH.

[$\varphi = 45° 05'$ N.; $\lambda = 83° 30'$ W.]

January	29.263	29.845	28.688	17.9	22.4	29.1	13.2	21.2	50	−13	14	17	85	79	0.090	0.099	1.56	0.50	7.3	4.3	6.7
February	29.351	30.192	28.548	13.1	18.2	25.8	8.1	17.0	42	−13	10	14	83	80	.074	.084	1.84	.74	7.6	5.8	7.3
March	29.338	29.931	28.480	25.1	28.8	35.8	18.7	27.2	53	3	21	22	82	75	.117	.121	2.30	1.15	7.3	5.6	6.6
April	29.239	30.006	28.588	35.7	40.5	48.6	30.6	39.6	78	11	29	30	75	67	.163	.172	1.77	.37	5.4	5.7	5.8
May	29.249	29.714	28.803	49.3	50.6	60.2	42.6	51.4	83	27	43	43	79	77	.289	.296	4.84	1.66	6.1	6.3	6.6
June	29.352	29.644	28.986	59.9	64.0	72.5	51.2	61.8	90	39	52	52	77	67	.405	.405	2.79	1.04	4.6	5.1	4.6
July	29.389	29.662	28.966	64.1	68.7	77.3	56.6	67.0	94	46	58	58	82	72	.498	.499	2.95	.92	4.3	4.5	4.5
August	29.356	29.677	29.066	60.1	66.0	74.8	53.2	64.0	88	40	56	56	85	72	.451	.467	1.87	1.50	4.2	3.3	4.6
September	29.388	29.742	28.865	55.5	61.9	71.6	50.3	61.0	93	35	52	54	87	77	.396	.438	1.27	.58	2.7	2.3	5.9
October	29.464	29.840	29.138	44.7	50.5	57.7	41.6	49.6	83	24	40	42	84	75	.252	.276	.98	.87	4.4	4.0	4.6
November	29.258	29.782	28.575	34.0	37.7	44.9	30.4	37.6	61	21	30	32	86	80	.170	.184	2.05	.94	7.1	5.2	7.5
December	29.274	29.738	28.753	22.4	25.7	30.8	17.8	24.3	43	6	20	23	89	90	.109	.124	1.39	.50	8.5	8.2	8.5
Year	29.327	30.192	28.480	40.2	44.6	52.4	34.5	43.5	94	−13	35	37	83	76	.251	.264	25.61	1.66	5.8	5.0	6.1

AMARILLO, TEX.

[$\varphi = 35° 13'$ N.; $\lambda = 101° 50'$ W.]

January	26.300	26.707	25.935	28.1	42.0	52.3	25.3	38.8	70	7	23	24	81	50	0.124	0.130	0.26	0.22	3.7	4.2	4.1
February	26.247	26.627	25.826	29.8	45.0	53.4	27.4	40.4	77	4	24	26	79	51	.134	.144	.72	.60	4.9	5.0	3.9
March	26.237	26.740	25.861	38.7	61.2	68.2	36.1	52.2	86	20	32	28	78	31	.186	.154	T.	T.	4.4	4.9	3.1
April	26.212	26.523	25.692	45.1	62.8	68.8	42.8	55.8	80	29	39	39	80	46	.249	.253	1.90	1.03	4.4	5.1	3.5
May	26.096	26.408	25.745	52.3	73.2	78.2	48.9	63.6	91	34	44	41	75	37	.297	.276	3.55	2.73	2.9	3.9	2.7
June	26.196	26.622	25.864	63.4	81.4	85.7	60.8	73.2	96	52	57	54	81	44	.476	.446	1.73	.76	4.1	3.4	2.3
July	26.354	26.582	26.166	65.3	78.0	83.6	62.0	72.8	96	55	60	59	86	56	.530	.507	5.40	1.90	5.8	5.5	4.2
August	26.311	26.492	26.063	64.9	79.7	86.3	62.6	74.4	97	58	60	60	86	53	.525	.515	2.75	.82	3.1	5.0	3.5
September	26.343	26.564	26.054	56.7	73.8	80.7	54.5	67.6	97	36	52	52	86	50	.407	.408	1.83	.74	2.5	2.6	2.8
October	26.284	26.602	25.932	44.5	61.3	70.7	42.5	56.6	86	28	39	40	82	47	.248	.262	.40	.15	3.5	2.2	2.9
November	26.313	26.783	25.736	34.0	48.4	58.9	31.6	45.2	78	11	26	28	74	50	.142	.156	.51	.37	3.3	3.4	3.6
December	26.305	26.676	25.936	30.3	44.6	55.1	27.3	41.2	72	18	22	27	72	52	.121	.149	0	0	3.7	3.6	3.1
Year	26.266	26.783	25.692	46.1	62.6	70.2	43.5	56.8	97	4	40	40	80	47	.287	.283	19.05	2.73	3.9	4.1	3.3

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

ABILENE, TEX.

H=1,738 ft.; h_t=45 ft.; h_r=36 ft.; h_a=54 ft.

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	9.7	S.	42	NW.	1	10	4	1	6	12	11	6	11	1	15	9	7	5	3	0	0	0	0	0	10	0	0
February	10.6	S.	48	W.	1	7	4	0	9	19	9	3	7	0	9	11	9	3	1	0	0	0	0	0	9	0	0
March	9.3	S.	34	S.	0	14	6	2	3	17	10	4	6	0	6	11	14	7	5	0	0	1	0	5	2	1	0
April	8.9	S.	29	E.	0	10	5	5	10	17	6	4	3	0	7	9	14	13	8	0	2	0	0	0	0	6	0
May	10.2	S.	32	W.	0	6	1	2	15	20	11	3	4	0	11	15	5	11	9	0	5	0	0	5	0	6	0
June	11.5	S.	34	NE.	0	1	4	3	25	26	0	0	1	0	11	14	5	4	2	0	0	0	0	16	0	3	0
July	6.5	SE.	34	E.	0	6	9	6	18	16	1	1	4	1	3	19	9	12	11	0	2	0	0	19	0	11	0
August	6.8	S.	24	S.	0	4	5	4	17	27	1	3	1	0	11	19	1	4	2	0	0	0	0	24	0	3	0
September	5.7	S.	24	NW.	0	8	7	6	11	18	4	2	3	1	11	13	6	7	6	0	0	1	0	10	0	2	0
October	8.8	S.	40	W.	1	9	4	5	11	26	2	1	3	1	15	12	4	7	4	0	0	1	0	0	0	3	0
November	7.2	SW.	34	W.	0	8	8	1	4	12	17	3	7	0	14	11	5	4	4	0	1	0	0	0	2	3	0
December	7.4	S.	30	S.	0	16	3	0	7	16	7	5	8	0	4	16	11	0	0	0	0	0	0	0	5	0	0
Year	8.6	S.	48	W.	3	99	60	35	136	226	79	35	58	4	117	159	90	77	55	0	10	3	0	79	28	38	0

[a] By eye observations when there is no self-register at stations.

ALBANY, N. Y.

[H=97 ft.; h_t=102 ft.; h_r=100 ft.; h_a=115 ft.]

January	7.7	S.	27	S.	0	10	0	0	3	23	1	7	17	1	8	11	12	8	3	5	0	0	10	0	31	0	0
February	5.8	S.	22	SE.	0	9	2	0	7	14	1	10	15	0	10	9	10	11	9	8	0	4	19	0	27	0	0
March	8.6	S.	37	S.	0	5	1	2	4	25	1	7	17	0	8	14	9	14	12	4	0	2	6	0	20	1	0
April	10.3	S.	38	SE.	0	8	1	1	2	21	0	10	17	0	11	10	9	14	8	2	0	0	1	0	11	4	0
May	8.2	S.	41	NW.	1	9	1	1	4	22	3	11	11	0	6	14	11	14	12	0	1	0	0	0	0	3	0
June	7.0	S.	24	SW.	0	8	2	2	4	25	2	7	10	0	20	8	2	9	6	0	0	0	0	0	0	5	0
July	6.3	S.	38	S.	0	2	6	6	5	21	8	3	11	0	10	18	3	13	11	0	1	4	0	7	0	9	0
August	6.5	S.	28	SW.	0	7	6	2	13	11	9	1	13	0	11	15	5	9	9	0	0	7	0	2	0	7	0
September	6.6	S.	38	SE.	0	10	7	1	4	23	6	3	5	1	9	15	6	3	2	0	0	5	0	0	0	1	1
October	5.5	S.	28	NE.	0	9	12	4	8	9	5	0	13	2	7	16	8	6	6	0	0	8	0	0	3	1	0
November	7.7	S.	30	SE.	0	0	2	1	3	18	14	3	19	0	4	12	14	7	3	2	0	4	0	0	13	0	0
December	8.1	S.	30	S.	0	6	6	1	5	17	8	5	14	0	6	11	14	10	6	7	0	2	8	0	29	0	0
Year	7.4	S.	41	NW.	1	83	46	21	62	229	58	67	162	4	110	153	103	118	87	28	2	36	44	9	134	31	1

ALPENA, MICH.

[H=609 ft.; h_t=13 ft.; h_r=4 ft.; h_a=92 ft.]

January	12.3	SW.	36	NW.	0	5	3	1	1	8	20	8	16	0	6	10	15	11	6	11	0	0	21	0	30	0	0
February	12.8	NW.	52	SE.	1	6	3	4	5	5	6	10	19	0	3	11	15	16	9	15	0	0	21	0	29	0	0
March	11.3	NW.	46	SE.	1	7	2	8	3	7	11	9	15	0	6	8	17	12	10	8	1	1	11	0	29	2	2
April	14.0	NW.	48	NW.	2	4	5	4	8	9	5	9	16	0	8	13	9	15	9	5	0	1	3	0	18	3	0
May	11.1	SE.	36	SE.	0	7	15	10	13	3	1	6	7	0	5	13	13	17	15	1	1	4	0	0	5	7	0
June	10.0	SE.	36	W.	0	4	3	1	15	7	9	9	12	0	13	11	6	10	8	0	0	0	0	1	0	5	0
July	8.1	SE.	32	NW.	0	8	4	2	12	6	10	8	12	0	14	8	9	9	6	0	0	1	0	2	0	5	0
August	9.5	NW.	30	SE.	0	2	1	8	7	7	5	13	19	0	13	12	6	7	3	0	0	1	0	0	0	2	2
September	9.0	NW.	51	S.	1	3	5	1	7	11	11	6	15	1	8	10	12	7	5	0	0	4	0	1	0	2	2
October	11.4	SW.	34	SE.	0	0	1	6	13	8	12	4	18	0	14	8	9	5	2	1	0	4	0	0	5	0	0
November	12.1	SW.	40	NW.	1	0	0	1	4	5	20	18	12	0	2	10	18	12	7	4	0	3	2	0	19	2	0
December	12.1	W.	42	W.	2	1	2	1	3	7	18	17	13	0	1	8	22	14	8	14	0	0	18	0	31	0	0
Year	11.1	NW.	52	SE.	8	47	44	47	91	83	128	117	174	1	93	122	151	135	88	59	2	19	76	4	166	28	6

AMARILLO, TEX.

[H=3,676 ft.; h_t=10 ft.; h_r=3 ft.; h_a=49 ft.]

January	13.7	S.	62	SW.	4	4	4	3	9	13	8	10	11	0	18	10	3	3	2	1	0	0	0	0	25	0	0
February	13.4	NW.	47	SW.	4	5	0	2	6	14	14	5	12	0	17	10	2	5	3	2	0	1	2	0	20	0	0
March	12.6	SW.	53	SW.	2	7	4	5	5	10	13	11	7	0	23	6	2	0	0	0	0	0	0	0	9	0	0
April	12.6	S.	60	N.	2	11	6	5	3	12	10	8	5	0	20	9	1	5	4	0	0	0	0	0	3	3	0
May	14.9	SW.	40	SW.	1	3	1	3	8	18	16	4	9	0	28	1	2	5	5	0	0	2	0	1	0	5	0
June	15.3	S.	58	NW.	2	2	3	7	13	24	9	1	1	0	27	3	0	5	5	0	0	2	0	0	0	9	0
July	11.4	S.	36	S.	0	4	2	4	10	31	7	2	2	0	16	13	2	11	9	0	0	0	0	7	0	6	0
August	10.6	S.	36	S.	0	5	2	3	6	34	4	4	4	0	22	9	0	6	6	0	0	1	0	5	0	8	0
September	10.1	S.	37	S.	0	5	2	7	8	28	2	6	2	0	22	7	1	7	7	0	0	2	0	6	0	1	0
October	13.2	S.	48	SW.	2	6	3	4	4	21	7	9	8	0	27	4	0	3	3	1	0	0	0	0	5	1	0
November	9.8	NW.	40	S.	1	7	5	3	1	11	8	12	12	1	24	2	4	5	3	3	0	0	2	0	15	1	0
December	11.2	S.	36	W.	0	5	3	3	3	14	16	4	14	0	25	4	2	0	0	0	0	0	1	0	25	0	0
Year	12.4	S.	62	SW.	18	64	35	49	76	230	114	76	87	1	269	78	19	55	47	7	5	3	5	28	102	34	0

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

ANNISTON, ALA.

[ϕ=33° 39′ N.; λ=85° 50′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.308	29.647	28.610	37.0	42.5	51.4	33.0	42.2	66	17	30	....	77	....	0.179	.....	4.70	1.94	6.1	5.7	6.5
February	29.375	29.677	28.932	36.2	43.5	51.4	32.2	41.8	71	16	28	....	73	....	.169	.....	4.39	1.26	6.1	5.1	6.7
March	29.342	29.737	29.018	54.9	62.7	71.5	50.0	60.8	86	32	49	....	82	....	.366	.....	4.57	2.03	6.6	5.0	6.4
April	29.239	29.513	28.934	59.8	66.0	76.2	54.0	65.1	85	32	52	....	78	....	.423	.....	3.42	2.14	6.5	5.9	7.1
May	29.224	29.443	28.983	66.1	69.7	80.3	59.0	69.6	92	34	59	....	79	....	.521	.....	4.97	1.31	5.6	6.1	6.4
June	29.283	29.466	29.167	72.7	77.6	87.7	65.3	76.5	97	56	64	....	75	....	.606	.....	1.88	.70	4.3	5.0	5.3
July	29.309	29.500	29.245	74.7	78.1	88.8	68.7	78.8	95	63	68	....	81	....	.692	.....	5.03	1.53	6.7	7.3	6.9
August	29.248	29.480	29.130	72.5	76.7	89.0	67.6	78.3	98	58	67	....	84	....	.677	.....	1.99	.61	5.7	6.9	6.2
September	29.303	29.488	29.126	66.8	71.9	83.5	61.7	72.6	94	38	60	....	80	....	.529	.....	3.82	3.55	4.6	3.7	4.8
October	29.331	29.627	29.087	51.4	57.9	72.5	46.4	59.4	84	35	44	....	78	....	.298	.....	2.18	1.78	3.1	2.4	3.1
November	29.366	29.663	29.100	49.7	55.8	67.3	44.9	56.1	78	23	42	....	77	....	.297	.....	1.25	.78	6.3	4.1	5.6
December	29.365	29.673	29.095	43.8	49.4	58.7	40.1	49.4	76	24	38	....	80	....	.240	.....	5.60	2.71	7.8	6.2	6.8
Year	29.308	29.737	28.610	57.1	62.6	73.2	51.9	62.6	98	16	50	....	79	....	.416	.....	43.80	3.55	5.8	5.3	6.0

ASHEVILLE, N. C.

[ϕ=35° 36′ N.; λ=82° 32′ W.]

January	27.659	28.049	26.910	29.1	36.8	43.8	25.5	34.6	59	11	26	30	87	78	0.143	0.170	3.63	2.16	6.3	4.7	5.5
February	27.716	28.185	27.030	28.1	35.8	42.0	24.8	33.4	61	5	25	30	89	79	.142	.176	3.10	.99	5.7	5.1	5.5
March	27.754	28.185	27.368	46.4	55.6	64.3	42.2	53.2	83	26	42	46	86	72	.283	.322	2.87	1.25	6.0	3.2	5.5
April	27.660	27.970	27.223	53.8	60.7	70.1	47.5	58.8	82	30	48	50	83	68	.355	.376	3.77	2.07	6.2	5.2	5.6
May	27.657	27.945	27.279	59.0	65.0	74.5	53.2	63.8	85	35	55	57	86	76	.444	.472	3.06	.99	5.4	6.1	5.7
June	27.769	27.927	27.558	64.9	70.2	79.4	58.8	69.1	88	48	60	62	85	77	.531	.569	.91	.49	4.9	4.9	4.9
July	27.794	27.983	27.633	67.0	72.6	81.7	63.2	72.4	90	57	64	66	91	80	.601	.636	7.56	1.65	5.8	6.3	6.3
August	27.734	27.937	27.496	64.8	70.2	81.1	61.7	71.4	89	54	62	65	91	85	.562	.627	7.44	2.12	6.1	6.5	6.4
September	27.794	28.021	27.546	57.4	66.6	76.4	52.7	64.6	86	36	54	57	87	73	.418	.473	2.32	1.92	3.3	2.3	3.0
October	27.774	28.107	27.485	45.4	56.9	66.6	41.9	54.2	82	31	41	45	85	67	.262	.308	7.27	2.68	4.0	3.3	3.8
November	27.762	28.065	27 440	40.9	51.1	60.5	37.5	49.0	73	24	36	41	83	70	.220	.270	.83	.46	4.0	2.9	3.5
December	27.725	28.054	27.368	35.9	42.0	50.0	32.6	41.3	70	19	32	36	85	79	.183	.218	3.59	1.30	6.1	4.9	5.5
Year	27.733	28.185	26.910	49.4	57.0	65.9	45.1	55.5	90	5	45	49	86	75	.345	.385	46.35	2.68	5.3	4.6	5.1

ATLANTA, GA.

[ϕ=33° 45′ N.; λ=84° 23′ W.]

January	28.818	29.179	28.134	37.1	43.2	48.9	33.8	41.4	61	17	29	32	74	66	0.169	0.187	4.64	2.05	5.7	4.5	4.7
February	28.887	29.256	28.372	35.2	42.1	47.9	32.6	40.2	67	16	26	29	70	62	.154	.175	4.40	1.50	4.7	4.9	4.8
March	28.878	29.277	28.443	53.3	62.6	68.6	50.8	59.7	83	32	49	51	85	67	.360	.382	3.57	2.06	4.7	3.7	3.8
April	28.779	29.029	28.405	59.0	66.6	73.4	54.6	64.0	85	37	55	54	86	67	.445	.444	7.36	3.70	6.2	5.5	5.6
May	28.767	28.993	28.467	64.3	72.4	78.8	60.6	69.7	90	39	59	61	83	69	.508	.543	2.95	1.00	4.6	5.2	5.7
June	28.836	29.025	28.664	70.5	78.1	84.7	65.9	75.3	92	58	63	63	78	62	.586	.584	3.04	1.29	4.6	4.2	4.4
July	28.856	29.052	28.713	72.8	78.8	86.8	68.7	77.8	93	64	68	70	85	75	.685	.724	5.09	2.36	5.7	6.6	5.5
August	28.801	29.024	28.618	71.6	77.4	86.1	68.4	77.2	96	60	67	67	85	73	.659	.671	5.44	2.70	5.6	5.9	5.9
September	28.852	29.046	28.629	65.8	73.1	79.5	62.5	71.0	90	45	59	59	79	63	.510	.516	2.46	1.45	4.9	3.8	4.5
October	28.861	29.184	28.588	54.0	63.1	69.7	51.5	60.6	82	43	44	47	71	58	.295	.325	3.63	1.74	3.7	2.2	3.7
November	28.895	29.161	28.598	49.3	57.5	64.8	46.9	55.8	76	27	41	45	75	65	.280	.323	2.10	1.12	4.6	3.4	4.7
December	28.884	29.195	28.548	43.8	49.4	55.9	40.0	48.0	73	30	36	39	76	70	.232	.257	4.15	2.28	7.2	4.3	6.0
Year	28.843	29.277	28.134	56.4	63.7	70.4	53.0	61.7	96	16	50	51	79	66	.407	.428	48.83	3.70	5.2	4.5	4.9

ATLANTIC CITY, N. J.

[ϕ=39° 22′ N.; λ=74° 25′ W.]

January	29.967	30.536	28.840	32.4	34.8	41.6	26.6	34.1	59	7	25	26	74	69	0.144	0.149	3.13	1.10	5.2	4.0	5.4
February	30.064	30.764	29.146	27.2	31.2	37.1	23.1	30.1	49	6	21	22	75	68	.124	.129	2.94	1.06	6.2	3.8	6.1
March	30.070	30.580	29.528	39.1	42.7	48.1	35.6	41.8	64	24	34	35	80	76	.204	.208	1.77	.44	5.9	5.7	6.4
April	29.920	30.467	29.262	49.4	49.7	58.3	43.5	50.9	72	29	39	39	68	70	.262	.261	1.47	.36	5.2	4.3	5.3
May	29.907	30.192	29.468	58.1	57.6	64.2	52.8	58.5	85	42	52	52	80	82	.406	.407	5.56	1.52	6.5	6.0	6.7
June	30.017	30.283	29.787	68.9	67.7	74.5	61.9	68.2	90	51	60	59	73	75	.519	.513	1.04	.78	4.4	4.8	4.7
July	30.018	30.218	29.698	73.3	72.6	79.4	67.9	73.6	92	61	66	67	80	84	.656	.667	4.16	1.45	5.8	6.7	6.4
August	29.974	30.257	29.687	70.7	71.0	76.4	65.6	71.0	87	54	64	64	80	78	.607	.601	4.33	1.98	6.7	6.0	6.2
September	30.059	30.349	29.807	63.7	66.5	72.4	60.3	66.4	87	49	57	58	81	75	.484	.494	4.13	3.16	6.0	3.5	6.0
October	30.078	30.525	29.428	57.1	59.9	66.2	52.8	59.5	83	36	50	51	78	75	.375	.396	3.18	2.86	4.9	3.3	4.9
November	30.023	30.411	29.557	43.0	47.1	53.9	38.1	46.0	65	25	36	38	77	70	.226	.244	.91	.78	3.6	3.5	3.8
December	30.031	30.482	29.363	36.3	38.2	45.1	30.2	37.6	68	20	29	29	76	68	.171	.161	5.26	2.03	7.3	4.0	6.6
Year	30.011	30.764	28.840	51.6	53.2	59.8	46.5	53.1	92	6	44	45	77	74	.348	.352	37.88	3.16	5.6	4.6	5.7

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

ANNISTON, ALA.

[H=741 ft.; h_t=9 ft.; h_r=3 ft.; h_a=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	7.5	NW.	40	SE.	1	14	3	3	12	9	3	3	14	1	9	5	17	12	12	0	0	1	0	0	14	1	0
February	9.0	NW.	37	SE.	0	5	1	3	15	8	2	4	18	2	8	4	17	8	8	0	0	0	1	0	17	0	0
March	7.0	S.	25	SW.	0	7	2	3	15	22	5	1	5	2	9	8	14	8	7	0	0	2	0	0	0	3	0
April	6.4	SE.	36	S.	0	9	4	4	10	15	6	5	6	1	7	5	18	10	9	0	1	1	0	0	1	5	0
May	5.1	SE.	27	SE.	0	3	1	5	16	13	9	8	6	1	8	8	15	13	12	0	0	0	0	2	0	13	0
June	4.8	SE.	29	NW.	0	10	3	8	15	9	5	1	7	2	8	15	7	8	6	0	0	0	0	11	0	12	0
July	4.6	E.	28	NE.	0	10	0	12	16	9	1	4	10	0	4	10	17	12	12	0	0	0	0	9	0	18	0
August	3.8	SE.	21	W.	0	5	4	8	20	7	3	1	10	4	8	10	13	13	9	0	0	1	0	15	0	14	0
September	5.8	E.	24	SW.	0	7	2	23	12	4	2	1	3	6	13	9	8	5	5	0	0	0	0	3	0	3	0
October	4.9	SE.	25	SE.	0	11	3	11	16	6	1	2	5	7	21	2	8	5	3	0	0	0	0	0	0	0	0
November	6.2	SE.	24	SE.	0	9	1	3	30	5	3	2	5	2	10	8	12	6	4	0	1	0	0	0	6	1	0
December	6.6	NW.	30	NW.	0	9	0	1	12	11	4	4	17	4	11	0	20	8	8	0	0	1	0	0	5	1	0
Year	6.0	SE.	40	SE.	1	99	24	84	189	118	44	36	106	32	116	84	166	108	95	0	2	6	1	40	43	71	0

ASHEVILLE, N. C.

[H=2,255 ft.; h_t=53 ft.; h_r=46 ft.; h_a=75 ft.]

January	9.7	NW.	44	E.	1	16	0	2	17	5	2	0	18	2	10	10	11	5	5	3	0	0	4	0	23	1	0
February	11.5	NW.	38	NW.	0	16	0	0	13	9	0	2	18	0	10	5	14	15	11	10	0	2	3	0	23	1	0
March	8.2	SE.	32	N.	0	7	0	1	22	6	2	5	17	2	10	10	11	9	8	1	0	2	0	0	5	2	0
April	9.4	SE.	38	E.	0	9	0	2	22	5	1	3	16	2	7	13	10	12	9	0	0	0	0	0	2	2	0
May	6.4	SE.	36	NW.	0	12	2	0	20	7	3	1	17	0	6	17	8	11	9	0	0	0	0	0	0	11	0
June	6.6	SE.	29	E.	0	9	1	2	26	6	3	2	10	1	9	16	5	10	7	0	0	0	0	0	0	9	0
July	4.8	SE.	30	SE.	0	7	0	0	26	7	0	1	18	3	4	16	11	18	12	0	0	0	0	0	0	14	0
August	5.2	SE.	26	E.	0	6	0	16	18	9	0	0	12	1	4	16	11	14	13	0	0	0	3	0	0	14	0
September	5.4	SE.	27	N.	0	5	0	5	28	6	0	0	14	2	19	9	2	3	3	0	0	5	0	0	0	0	0
October	5.9	SE.	32	E.	0	10	2	6	20	8	0	1	14	1	19	3	9	5	5	1	0	4	0	0	2	2	0
November	7.4	NW.	31	NW.	0	8	2	1	16	5	1	3	23	1	18	6	6	2	2	1	0	1	0	0	11	0	0
December	8.6	NW.	33	NW.	0	16	1	0	16	3	0	5	21	0	11	8	12	11	8	2	0	3	0	0	16	0	0
Year	7.4	SE.	44	E.	1	121	8	35	244	76	12	23	198	15	127	129	110	115	92	18	0	20	7	0	82	56	0

ATLANTA, GA.

[H=1,174 ft.; h_t=190 ft.; h_r=182 ft.; h_a=216 ft.]

January	14.1	NW.	50	NW.	4	3	1	9	7	5	6	4	27	0	16	4	11	11	10	3	0	0	0	0	14	1	0
February	16.2	NW.	56	NW.	5	6	1	13	9	0	2	5	22	0	13	5	11	11	8	0	0	3	1	0	14	0	0
March	12.5	W.	34	W.	0	11	4	1	11	8	11	9	7	0	16	11	4	9	8	0	0	1	0	0	0	3	0
April	12.8	NW.	46	NW.	1	11	4	2	9	9	8	6	11	0	9	10	11	10	9	0	0	1	0	0	0	5	0
May	9.7	NW.	48	NW.	1	8	3	2	6	11	5	10	17	0	10	9	12	9	8	0	0	0	0	2	0	10	0
June	9.1	SE.	36	NW.	0	7	3	9	18	5	3	3	12	0	18	5	7	9	8	0	0	0	0	6	0	10	0
July	9.3	E.	52	NW.	1	1	10	13	13	2	2	10	11	0	9	13	9	14	9	0	0	0	0	6	0	14	0
August	7.5	SE.	40	NW.	1	12	8	11	9	6	3	8	5	0	9	8	14	12	11	0	0	0	0	11	0	12	0
September	9.8	NE.	31	NW.	0	1	31	12	2	2	1	2	8	1	17	6	7	5	4	0	0	1	0	1	0	2	0
October	9.8	NE.	36	NW.	0	2	20	12	4	1	3	4	16	0	20	4	7	6	5	0	1	0	0	0	0	2	0
November	12.2	NW.	33	NW.	0	2	5	10	10	2	6	11	14	0	14	7	9	5	4	0	0	2	0	0	2	0	0
December	13.4	NW.	50	NW.	1	1	2	10	9	3	7	9	21	0	9	10	12	8	7	0	0	2	0	0	4	0	0
Year	11.4	NW.	56	NW.	14	65	92	104	107	54	57	81	171	1	160	92	114	109	91	3	1	10	1	26	34	59	0

ATLANTIC CITY, N. J.

[H=52 ft.; h_t=37 ft.; h_r=33 ft.; h_a=48 ft.]

January	10.4	NW.	41	SW.	1	8	2	3	3	4	14	15	13	0	10	10	11	10	10	3	0	0	3	0	25	0	0
February	9.9	NW.	43	SE.	1	6	2	1	8	5	1	13	22	0	8	9	12	10	8	5	0	0	7	0	24	0	0
March	8.5	SW.	26	S.	0	13	7	5	3	9	17	3	5	0	8	8	15	11	8	1	0	3	0	0	10	1	0
April	10.4	SW.	41	S.	1	6	4	1	3	13	14	8	11	0	10	10	10	14	8	0	1	5	0	0	3	3	0
May	8.9	SW.	30	SE.	0	1	8	6	11	4	17	10	5	0	6	10	15	14	12	0	0	7	0	0	0	3	0
June	7.5	SW.	18	S.	0	5	10	4	1	6	23	5	6	0	11	11	8	4	4	0	0	0	0	0	0	3	0
July	7.0	SW.	26	S.	0	5	6	8	2	17	18	2	4	0	5	15	11	9	6	0	0	1	0	1	0	7	0
August	8.1	NE.	32	NE.	0	7	14	5	3	9	15	4	4	1	9	8	14	11	10	0	0	0	0	0	0	2	0
September	6.9	E.	28	S.	0	6	7	10	9	6	5	9	8	0	8	9	13	5	4	0	0	2	0	0	0	2	0
October	8.3	NE.	32	NE.	0	12	11	13	8	2	3	5	8	0	14	4	13	5	4	0	0	1	0	0	0	1	0
November	7.6	NW.	24	NW.	0	3	4	0	9	4	10	13	17	0	15	11	4	6	2	0	0	3	0	0	8	0	0
December	8.2	NW.	38	NE.	0	8	4	1	2	3	10	18	16	0	8	5	18	13	11	3	0	1	0	0	22	0	0
Year	8.5	SW.	43	SE.	3	80	79	57	62	82	147	105	119	1	112	110	144	112	87	12	1	23	10	1	92	22	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

AUGUSTA, GA.

[ϕ=33° 28′ N.; λ=81° 54′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.887	30.276	29.199	38.1	48.5	55.5	35.6	45.6	66	24	33	39	82	71	0.196	0.252	7.23	2.64	5.1	4.6	4.7
February	29.956	30.390	29.337	38.0	48.1	54.4	34.9	44.6	74	21	32	35	77	62	.190	.220	3.75	2.34	4.0	4.9	4.4
March	29.931	30.372	29.556	55.7	66.9	74.0	52.4	63.2	86	36	51	53	85	64	.390	.417	3.89	1.90	4.6	3.5	3.4
April	29.810	30.106	29.422	62.6	69.6	77.6	57.8	67.7	90	38	57	57	82	68	.486	.489	5.41	2.01	6.0	4.4	3.9
May	29.786	30.034	29.491	67.5	75.8	84.1	62.0	73.0	94	42	61	62	80	66	.562	.588	.91	.28	2.9	3.7	2.3
June	29.851	30.031	29.668	73.3	78.8	87.2	68.0	77.6	93	63	68	69	84	74	.694	.714	6.91	2.18	4.8	4.0	3.0
July	29.858	30.091	29.683	76.2	80.6	89.9	72.2	81.0	96	65	71	70	85	73	.761	.747	1.19	.41	4.8	4.8	3.5
August	29.810	30.013	29.627	74.0	79.0	88.5	70.2	79.4	96	58	70	70	87	74	.731	.728	5.91	1.42	4.4	6.6	5.4
September	29.869	30.082	29.638	67.2	75.5	83.6	63.4	73.5	91	49	61	63	82	66	.556	.582	2.44	1.52	4.8	4.3	4.5
October	29.890	30.241	29.563	53.4	63.1	72.7	50.7	61.7	85	42	49	53	86	71	.352	.410	3.06	1.69	2.8	2.8	3.6
November	29.947	30.201	29.552	49.6	59.7	68.5	47.3	57.9	82	31	44	48	84	66	.313	.348	1.59	1.49	3.9	1.8	4.7
December	29.935	30.318	29.581	45.4	53.4	61.1	42.0	51.6	76	31	40	41	83	66	.266	.278	2.33	1.29	5.8	3.4	5.9
Year	29.878	30.390	29.199	58.4	66.6	74.8	54.7	64.7	96	21	53	55	83	68	.458	.481	44.62	2.64	4.5	4.1	4.1

BAKER CITY, OREG.

[ϕ=44° 46′ N.; λ=117° 50′ W.]

January	26.515	26.956	26.201	27.1	32.8	36.8	23.1	30.0	43	−4	22	24	80	70	0.118	0.131	0.39	0.15	5.4	6.9	6.5
February	26.450	26.807	25.881	28.1	38.1	41.6	25.6	33.6	57	−4	23	27	80	63	.125	.146	.30	.16	4.6	6.6	6.3
March	26.473	26.875	25.834	31.4	43.6	47.0	28.3	37.6	65	17	25	28	77	54	.135	.154	.82	.20	5.6	6.0	6.5
April	26.464	26.736	26.035	36.2	56.4	59.5	34.1	46.8	78	23	29	36	75	48	.164	.219	.93	.52	3.7	4.4	4.3
May	26.365	26.603	25.934	39.6	53.9	57.9	36.7	47.3	80	30	31	36	73	53	.175	.218	1.01	.30	5.1	6.8	5.8
June	26.401	26.717	26.105	45.8	66.7	68.4	44.1	56.2	88	34	37	43	73	45	.225	.286	.56	.18	3.7	4.0	4.1
July	26.494	26.688	26.245	55.6	80.0	83.6	53.9	68.8	102	43	44	53	65	41	.293	.413	2.08	1.11	2.0	2.4	2.3
August	26.461	26.706	26.293	52.3	75.7	79.8	50.3	65.0	90	34	39	48	62	39	.245	.342	.42	.21	2.2	2.7	2.9
September	26.500	26.710	26.219	46.7	68.1	72.2	43.9	58.0	94	23	37	43	70	43	.228	.285	1.01	.43	2.1	3.3	2.9
October	26.474	26.785	25.992	38.8	51.5	56.2	35.4	45.8	76	22	31	35	73	55	.173	.206	.57	.17	3.3	4.9	4.7
November	26.535	26.787	26.176	33.2	44.1	50.0	29.4	39.7	64	17	25	30	70	58	.132	.162	.15	.07	3.9	4.9	5.0
December	26.532	26.892	26.243	22.5	29.2	33.5	18.7	26.1	45	0	18	24	83	78	.103	.125	.37	.13	4.5	5.7	6.4
Year	26.472	26.956	25.834	38.1	53.3	57.2	35.3	46.2	102	−4	30	36	73	54	.176	.224	8.61	1.11	3.8	4.9	4.8

BALTIMORE, MD.

[ϕ=39° 17′ N.; λ=76° 37′ W.]

January	29.890	30.454	28.782	31.5	36.1	42.2	27.8	35.0	57	10	23	26	68	66	0.128	0.146	3.49	1.61	5.2	4.2	5.4
February	29.982	30.728	29.089	28.4	32.6	37.9	24.5	31.2	66	9	21	22	72	63	.126	.123	4.71	1.37	5.5	5.2	5.5
March	29.974	30.480	29.471	42.2	47.8	55.4	38.8	47.1	80	27	35	38	76	70	.216	.238	2.50	.87	6.7	7.0	6.8
April	29.827	30.383	29.217	51.6	58.4	66.9	46.1	56.5	87	30	40	45	66	63	.275	.329	1.09	.28	4.6	5.2	5.2
May	29.803	30.093	29.404	61.4	67.4	73.3	56.9	65.1	89	40	54	57	78	72	.448	.497	4.04	1.72	6.7	7.8	7.3
June	29.937	30.205	29.712	70.5	75.4	82.6	64.7	73.6	98	55	59	61	68	61	.510	.544	1.08	.89	5.2	6.0	5.8
July	29.924	30.104	29.598	75.7	79.2	87.3	70.7	79.0	97	64	66	67	72	68	.641	.673	4.34	1.32	5.5	6.9	6.3
August	29.885	30.158	29.590	71.1	75.3	81.9	66.5	74.2	95	55	62	64	74	68	.573	.602	5.17	2.70	5.4	4.4	5.7
September	29.977	30.268	29.680	64.2	69.5	77.1	59.6	68.4	86	47	56	60	77	72	.472	.522	2.59	1.35	4.0	4.0	5.2
October	30.007	30.465	29.482	55.6	60.5	68.3	51.4	59.8	85	39	48	50	75	70	.344	.378	2.59	.84	4.8	3.7	4.4
November	29.958	30.320	29.451	42.0	48.2	54.4	38.4	46.4	71	22	34	36	75	65	.210	.230	.77	.67	3.7	3.4	5.1
December	29.972	30.449	29.402	35.4	38.4	44.7	31.1	37.9	69	23	28	27	72	63	.155	.149	3.04	1.00	6.6	3.9	6.1
Year	29.928	30.728	28.782	52.5	57.4	64.3	48.0	56.2	98	9	44	46	73	67	.342	.369	35.41	2.70	5.3	5.1	5.7

BENTONVILLE, ARK.

[ϕ=36° 22′ N.; λ=94° 12′ W.]

January	28.680	29.110	28.240	31.0	.....	47.4	26.5	37.0	61	12	25	.....	78	.....	0.137	.....	2.62	1.27	3.8	.....	4.1
February	28.676	29.171	28.041	33.7	.....	51.0	30.3	40.6	75	7	27	.....	78	.....	.163	.....	3.98	1.97	5.1	.....	5.7
March	28.636	29.231	28.196	47.0	.....	66.4	42.8	54.6	84	27	40	.....	78	.....	.268	.....	2.28	.99	6.2	.....	5.0
April	28.581	28.923	27.963	52.9	.....	67.6	48.1	57.8	81	30	47	.....	82	.....	.353	.....	8.22	2.46	6.7	.....	6.5
May	28.495	28.704	28.278	61.6	.....	77.1	56.8	67.0	87	38	57	.....	85	.....	.480	.....	7.72	2.16	4.6	.....	4.3
June	28.611	28.957	28.460	67.8	.....	82.3	63.2	72.8	90	51	63	.....	85	.....	.579	.....	3.69	1.28	5.3	.....	4.1
July	28.697	28.846	28.612	69.0	.....	87.3	63.9	75.6	94	53	64	.....	84	.....	.599	.....	3.03	1.32	3.8	.....	3.4
August	28.648	28.833	28.525	68.9	.....	88.5	65.5	77.0	95	56	65	.....	88	.....	.624	.....	3.94	2.26	3.2	.....	3.6
September	28.700	28.942	28.555	61.4	.....	81.4	58.8	70.1	92	34	58	.....	89	.....	.493	.....	3.61	1.21	5.5	.....	5.8
October	28.713	29.042	28.446	47.1	.....	68.8	44.2	56.5	82	29	42	.....	82	.....	.283	.....	.92	.55	3.1	.....	3.1
November	28.688	29.154	28.161	42.3	.....	60.2	39.0	49.6	79	20	37	.....	81	.....	.237	.....	6.10	2.27	4.9	.....	4.8
December	28.720	29.242	28.344	35.6	.....	52.1	30.5	41.3	71	17	29	.....	76	.....	.169	.....	.45	.18	5.6	.....	5.1
Year	28.654	29.242	27.963	51.5	.....	69.2	47.5	58.3	95	7	46	.....	82	.....	.365	.....	46.56	2.46	4.8	.....	4.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

AUGUSTA, GA.

[H=180 ft.; h_1=89 ft.; h_r=54 ft.; h_a=97 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.a	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. By self-register. Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	7.0	NW.	57	SW.	1	1	7	6	4	7	5	13	15	4	13	10	8	10	8	0	0	1	0	0	8	1	0
February	9.1	W.	36	W.	0	5	5	4	5	3	4	24	7	1	14	6	9	13	10	0	0	3	0	0	12	0	0
March	7.1	SW.	38	SW.	0	3	9	4	10	13	14	4	5	0	20	5	6	8	6	0	0	2	0	0	0	3	0
April	7.4	SE.	34	NE.	0	3	8	5	12	5	12	8	6	1	14	11	5	12	11	0	0	1	0	0	0	6	0
May	6.3	W.	30	NW.	0	3	6	7	9	10	6	12	9	0	21	9	1	8	6	0	0	0	0	0	7	0	0
June	5.3	NE.	32	NW.	0	1	17	7	16	11	2	3	3	0	19	8	3	11	11	0	0	0	0	0	7	0	0
July	6.2	SE.	38	NW.	0	4	14	6	14	10	3	3	8	0	16	15	0	9	6	0	0	0	0	0	18	0	16
August	5.3	S.	34	SW.	0	6	8	3	11	9	9	8	7	1	10	11	10	13	13	0	0	0	0	0	17	0	9
September	6.2	NE.	23	NE.	0	6	26	6	5	4	1	3	8	1	13	8	9	5	5	0	0	0	0	0	3	0	0
October	6.0	NE.	22	NE.	0	7	25	1	4	3	4	5	13	0	18	6	7	8	8	0	0	1	0	0	0	1	0
November	5.0	NE.	20	SW.	0	4	14	8	2	8	12	4	6	2	11	13	6	4	3	0	0	6	0	0	1	0	0
December	5.8	NW.	28	NW.	0	3	6	6	3	9	9	13	11	2	8	11	12	7	6	0	0	1	0	0	1	0	0
Year	6.4	NE.	57	SW.	1	46	145	63	95	92	81	100	98	12	177	113	76	108	93	0	0	15	0	52	22	54	0

BAKER CITY, OREG.

[H=3,471 ft.; h_1=48 ft.; h_r=38 ft.; h_a=58 ft.]

January	6.4	SE.	24	NW.	0	3	3	0	25	12	5	8	5	1	4	13	14	4	4	3	0	0	2	0	29	0	0
February	6.2	SE.	26	SE.	0	4	1	0	21	18	1	7	6	0	4	14	11	9	2	8	0	0	3	0	25	0	0
March	6.8	S.	27	NW.	0	12	1	2	17	9	8	1	12	0	5	11	15	14	7	10	0	0	0	0	24	0	0
April	7.5	NW.	29	N.	0	7	1	3	13	16	2	3	15	0	13	11	6	5	5	1	1	0	0	0	14	2	0
May	8.4	N.	29	NW.	0	17	0	0	14	11	1	3	16	0	6	15	10	10	5	1	0	0	0	0	4	1	0
June	6.5	NW.	28	NW.	0	12	0	1	5	15	4	1	22	0	11	14	5	7	5	0	0	0	0	0	0	4	0
July	6.0	NW.	26	N.	0	7	0	0	8	20	2	3	22	0	21	10	0	6	5	0	2	0	0	0	8	0	5
August	6.3	NW.	24	NW.	0	4	3	2	15	14	0	3	21	0	18	10	3	7	4	0	0	0	0	0	3	0	4
September	6.3	S.	23	SW.	0	10	0	2	15	16	0	4	13	0	20	6	4	9	5	0	0	0	0	0	2	4	6
October	6.7	S.	32	S.	0	5	0	1	17	20	3	3	13	0	8	17	6	9	5	2	0	0	0	0	0	10	0
November	6.9	SE.	24	S.	0	2	1	0	23	19	3	3	8	1	11	7	12	4	2	1	0	0	1	0	20	0	0
December	5.4	SE.	21	S.	0	3	0	3	22	14	4	4	12	0	6	10	15	7	3	7	0	2	13	0	29	0	0
Year	6.6	SE.	32	S.	0	86	10	14	195	184	33	43	165	2	127	138	101	91	52	33	3	2	19	13	159	22	0

BALTIMORE, MD.

[H=123 ft.; h_1=100 ft.; h_r=90 ft.; h_a=113 ft.]

January	7.7	SW.	40	NE.	1	4	8	2	2	13	18	1	14	0	11	9	11	9	7	3	1	1	3	0	23	1	0
February	8.2	NW.	32	SW.	0	6	6	4	8	3	15	1	15	0	9	10	10	10	9	6	0	2	7	0	23	0	0
March	7.6	NW.	30	S.	0	7	6	4	8	15	5	1	16	0	5	11	15	12	10	1	0	1	0	0	8	3	1
April	8.5	S.	32	SW.	0	5	3	4	8	15	7	5	13	0	11	7	12	10	7	0	0	0	0	0	2	1	0
May	7.5	SW.	26	SW.	0	7	9	10	5	11	16	2	2	0	4	8	19	14	11	0	0	0	0	0	0	6	0
June	6.7	SW.	27	NW.	0	5	7	4	2	16	12	2	11	1	8	10	12	5	3	0	0	0	0	0	1	0	0
July	6.7	SW.	40	SW.	1	11	11	4	2	11	14	1	5	3	6	12	13	14	12	0	0	0	0	0	0	13	0
August	6.6	SW.	27	N.	0	12	12	3	3	15	12	2	3	0	10	8	13	10	7	0	0	0	0	0	0	3	0
September	5.8	NE.	26	S.	0	11	9	5	7	9	4	5	8	2	13	6	11	4	3	0	0	0	5	0	0	2	1
October	7.2	N.	28	NW.	0	14	11	8	2	5	4	2	12	4	15	7	9	8	7	0	0	1	0	0	0	1	0
November	6.1	SW.	32	NW.	0	4	7	5	1	3	23	7	9	1	13	5	12	4	3	1	0	5	0	0	6	0	0
December	6.7	SW.	26	NW.	0	4	7	1	2	12	14	8	13	1	11	5	15	9	7	2	0	1	0	0	22	0	0
Year	7.1	SW.	40	NE.	2	90	96	54	50	128	144	37	121	12	116	98	152	109	86	13	1	16	10	20	84	31	2

BENTONVILLE, ARK.

[H=1,303 ft.; h_1=11 ft.; h_r=3 ft.; h_a=44 ft.]

January	7.6	S.	24	W.	0	4	1	2	4	8	3	3	6	0	17	6	8	7	7	4	0	0	1	0	25	0	0
February	8.5	NW.	27	S.	0	1	1	4	3	8	1	3	8	0	9	9	11	10	7	3	0	0	2	0	15	4	0
March	8.8	S.	28	S.	0	6	4	4	10	3	0	0	12	0	12	9	10	10	5	1	1	0	0	0	3	0	1
April	6.4	S.	28	SW.	0	4	4	3	3	7	6	2	1	0	8	11	11	18	15	0	2	0	0	0	2	7	0
May	6.3	S.	24	S.	0	0	2	0	7	14	3	1	4	0	14	12	5	11	10	0	1	0	0	0	0	13	0
June	3.3	S.	21	S.	0	3	3	4	6	10	2	0	2	0	12	14	4	11	11	0	0	0	0	1	0	14	0
July	3.8	S.	18	NW.	0	6	2	5	5	6	2	2	3	0	18	12	1	5	4	0	0	0	0	7	0	8	0
August	4.0	S.	20	S.	0	2	6	3	8	9	2	1	0	0	18	9	4	7	7	0	0	0	0	13	0	10	0
September	4.1	E.	22	SW.	0	2	4	13	6	3	0	1	1	0	10	5	15	11	7	0	0	0	0	1	0	4	0
October	6.3	SE.	24	S.	0	7	2	3	6	5	3	1	4	0	19	7	5	5	3	0	0	0	0	0	5	2	0
November	6.9	SW.	32	SW.	0	6	3	3	4	3	9	2	0	0	15	6	9	8	7	0	1	1	0	0	6	5	0
December	6.6	S.	24	S.	0	4	3	1	6	8	7	0	2	0	16	5	10	4	4	0	0	0	0	0	19	0	0
Year	6.0	S.	32	SW.	0	45	35	45	62	91	41	16	31	0	168	105	93	107	87	8	5	1	3	22	75	67	1

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

BINGHAMTON, N. Y.

[ϕ= 42° 8′ N.; λ= 75° 55′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.023	29.565	28.309	22.4	.....	33.6	16.3	25.0	50	− 8	17	....	80	....	0.100	.....	2.12	1.08	7.6	.....	7.4
February	29.102	29.899	28.050	15.7	.....	28.3	9.3	18.8	56	−21	12	....	86	....	.089	.....	3.09	.86	7.3	.....	7.4
March	29.121	29.630	28.659	32.5	.....	43.2	26.4	34.8	72	2	26	....	77	....	.151	.....	3.12	.72	7.8	.....	8.1
April	29.003	29.544	28.576	41.4	.....	55.1	34.1	44.6	81	18	32	....	71	....	.195	.....	2.96	.71	7.2	.....	6.5
May	29.000	29.349	28.556	55.8	.....	67.8	49.5	58.6	87	31	48	....	77	....	.362	.....	3.95	1.11	6.2	.....	6.8
June	29.139	29.439	28.920	63.2	.....	78.5	53.9	66.2	92	39	54	....	74	....	.431	.....	1.11	.44	4.7	.....	5.1
July	29.150	29.350	28.762	67.1	.....	83.2	59.9	71.6	93	45	59	....	77	....	.515	.....	3.58	2.45	4.7	.....	5.6
August	29.122	29.430	28.920	60.0	.....	78.5	54.3	66.4	95	40	54	....	83	....	.433	.....	1.29	.39	4.9	.....	5.7
September	29.203	29.503	28.973	54.4	.....	77.4	49.4	63.4	89	33	50	....	86	....	.375	.....	1.41	.99	3.7	.....	5.4
October	29.235	29.632	28.832	44.1	.....	63.2	39.8	51.5	81	25	41	....	88	....	.268	.....	2.31	.84	5.8	.....	5.5
November	29.078	29.462	28.622	35.6	.....	47.2	32.0	39.6	62	21	30	....	80	....	.173	.....	.75	.26	7.2	.....	7.6
December	29.062	29.503	28.565	28.2	.....	35.3	21.7	28.5	61	5	22	....	76	....	.121	.....	1.47	.58	8.4	.....	8.1
Year	29.103	29.899	28.050	43.4	.....	57.6	37.2	47.4	95	−21	37	....	80	....	.268	.....	27.16	2.45	6.3	.....	6.6

BIRMINGHAM, ALA.

[ϕ= 33° 32′ N.; λ= 86° 50′ W.]

January	29.324	29.700	28.630	38.0	45.6	52.3	35.3	43.8	68	17	32	34	77	65	0.188	0.210	4.15	1.14	5.9	4.7	5.7
February	29.387	29.766	28.750	37.5	46.0	52.5	35.3	43.9	69	17	30	32	72	61	.176	.203	4.90	1.31	6.0	5.0	5.8
March	29.347	29.735	29.016	55.1	64.6	70.9	52.2	61.6	85	32	51	52	87	65	.393	.395	4.14	2.41	6.3	4.8	6.4
April	29.255	29.531	28.853	59.5	68.5	75.8	56.3	66.0	84	40	53	54	81	62	.432	.442	4.05	1.74	6.9	5.7	6.3
May	29.233	29.462	28.962	65.6	73.6	80.3	61.2	70.8	91	38	60	61	84	67	.543	.550	6.60	2.56	5.1	5.7	6.3
June	29.294	29.473	29.127	72.2	79.0	87.2	67.6	77.4	95	58	65	65	78	64	.616	.626	1.24	.55	4.0	5.3	5.9
July	29.321	29.504	29.220	74.7	79.1	89.6	70.0	79.8	95	67	69	68	83	72	.709	.693	3.51	1.34	5.1	7.1	6.8
August	29.265	29.498	29.093	73.1	79.5	89.4	69.7	79.6	98	61	68	68	86	70	.699	.694	1.06	.23	3.9	5.7	6.3
September	29.310	29.496	29.078	67.6	77.4	86.4	64.8	75.6	97	43	61	60	79	58	.542	.537	.75	.37	4.1	4.1	5.4
October	29.350	29.642	29.164	53.7	64.2	73.4	51.2	62.3	87	39	45	48	74	59	.306	.340	1.22	.78	3.0	2.8	4.1
November	29.383	29.685	29.073	51.1	59.2	67.8	49.1	58.4	80	25	43	46	76	63	.308	.333	1.07	.57	4.9	3.9	4.8
December	29.391	29.715	29.052	44.6	51.6	57.8	41.9	49.8	76	25	38	40	78	67	.248	.274	6.83	3.62	6.2	5.0	6.0
Year	29.322	29.766	28.630	57.7	65.7	73.6	54.6	64.1	98	17	51	52	80	64	.430	.441	39.52	3.62	5.1	5.0	5.8

BISMARCK, N. DAK.

[ϕ=46° 47′ N.; λ=100° 38′ W.]

January	28.204	28.709	27.782	15.4	24.2	34.5	8.2	21.4	60	−14	10	14	77	62	0.068	0.084	0.24	0.14	4.8	3.3	5.9
February	28.267	28.600	27.752	12.0	20.1	26.3	7.3	16.8	50	−21	7	13	79	72	.069	.080	1.07	.48	6.6	5.4	6.3
March	28.222	28.683	27.572	17.9	27.2	35.3	13.0	24.2	58	−17	13	18	79	67	.080	.103	1.35	.39	7.2	5.8	6.8
April	28.139	28.735	27.502	35.5	53.2	59.6	31.3	45.4	89	0	28	33	74	51	.162	.195	1.73	1.01	5.3	4.5	5.2
May	28.141	28.480	27.669	44.2	59.7	63.5	40.0	51.8	81	21	39	39	82	52	.246	.253	2.89	1.63	6.3	4.8	5.8
June	28.123	28.579	27.608	55.8	67.9	72.5	51.0	61.8	87	37	50	52	81	58	.370	.395	2.29	.98	5.1	5.2	5.2
July	28.262	28.634	27.955	62.3	80.9	86.1	56.5	71.3	100	43	55	52	77	40	.438	.410	.82	.67	3.0	4.3	3.6
August	28.238	28.522	27.928	55.0	73.7	79.3	51.0	65.2	100	35	48	48	79	44	.343	.354	2.44	1.03	3.0	3.8	3.9
September	28.204	28.538	27.928	51.7	68.8	76.7	49.0	62.8	95	29	44	47	77	49	.306	.344	.59	.32	4.4	4.1	4.1
October	28.226	28.681	27.397	35.6	47.0	55.3	32.5	43.9	80	20	31	36	84	66	.179	.218	1.81	1.15	6.0	6.0	6.1
November	28.227	28.938	27.807	26.1	33.1	42.6	21.5	32.0	72	− 6	20	23	79	67	.114	.132	1.60	.97	4.7	5.3	5.1
December	28.222	28.778	27.727	13.4	18.6	25.8	0.7	16.2	45	−15	10	14	85	81	.072	.086	.08	.08	4.0	4.5	5.6
Year	28.206	28.938	27.397	35.4	47.9	54.8	30.7	42.7	100	−21	30	32	79	59	.204	.221	16.91	1.63	5.0	4.8	5.3

BLOCK ISLAND, R. I.

[ϕ= 41° 10′ N.; λ= 71° 36′ W.]

January	29.929	30.539	29.029	31.1	33.8	39.9	25.3	32.6	54	4	23	25	72	70	0.134	0.149	2.80	0.77	5.0	3.7	4.7
February	30.022	30.738	29.080	26.0	29.5	35.5	21.7	28.6	53	4	19	21	73	68	.115	.126	3.53	1.43	4.6	4.2	4.8
March	30.062	30.566	29.419	35.5	38.4	43.2	31.4	37.3	55	18	30	33	80	80	.178	.192	3.28	.96	4.8	5.1	5.5
April	29.892	30.491	29.344	42.2	44.1	50.3	38.5	44.4	64	26	34	35	73	72	.210	.221	2.64	.54	3.7	2.9	4.2
May	29.929	30.297	29.369	53.2	53.1	59.8	48.5	54.2	73	41	48	49	84	88	.353	.363	4.76	2.03	5.2	4.6	5.0
June	30.017	30.376	29.716	63.7	62.8	70.4	57.5	64.0	80	49	58	57	82	83	.490	.479	2.02	1.22	2.8	3.1	2.9
July	30.027	30.253	29.691	70.0	68.8	76.6	64.1	70.4	87	58	66	65	87	88	.638	.629	2.34	1.65	5.0	4.5	4.5
August	29.991	30.273	29.658	67.0	67.0	72.8	62.5	67.6	84	55	61	62	83	85	.554	.567	3.34	2.02	5.0	4.4	5.0
September	30.068	30.360	29.742	62.8	63.1	68.4	58.9	63.6	77	52	58	57	84	81	.486	.472	.77	.52	4.3	3.0	5.7
October	30.097	30.555	29.343	54.9	56.4	61.2	51.9	56.6	76	38	49	49	82	78	.366	.365	5.17	2.41	5.1	2.7	5.6
November	29.970	30.425	29.466	44.5	45.7	50.6	40.6	45.6	61	29	36	36	72	70	.223	.226	1.20	.96	4.0	3.8	5.0
December	29.995	30.506	29.265	35.2	37.1	42.2	30.8	36.5	59	19	27	27	71	66	.157	.153	4.62	1.79	5.7	4.0	6.5
Year	30.000	30.738	29.029	48.8	50.0	55.9	44.3	50.1	87	4	42	43	79	77	.325	.328	36.47	2.41	4.6	3.8	5.0

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

BINGHAMTON, N. Y.

[H=871 ft.; h_t=78 ft.; h_r=71 ft.; h_a=90 ft.]

Month.	Wind.					Number of days.																				
	By self-register.					Number of winds, 8 a. m. and 8 p. m.											Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	7.6	NW.	30	W.	0	1	3	6	2	2	4	7	5	1	3	9	19	13	8	12	0	0	12	0	30	0	0
February	8.3	NW.	35	SE.	0	1	6	2	4	3	0	5	8	0	4	7	18	14	9	11	0	2	20	0	28	0	0
March	7.1	NW.	39	W.	0	3	5	2	3	4	2	6	6	0	3	6	22	13	12	6	0	0	5	0	22	2	0
April	8.7	NW.	39	W.	0	5	2	4	4	0	1	5	9	0	6	9	15	13	10	2	0	0	2	0	14	3	0
May	6.9	SE.	28	S.	0	5	2	4	7	2	3	7	1	0	7	7	17	19	15	1	0	4	0	0	2	5	1
June	5.0	NW.	24	W.	0	2	7	5	4	1	0	4	6	1	11	11	8	5	5	0	0	3	0	1	0	4	0
July	4.8	NE.	26	SW.	0	3	9	5	2	1	1	6	3	1	11	6	14	13	7	0	0	5	0	5	0	10	0
August	4.6	N.	34	SW.	0	6	4	5	2	2	2	5	3	2	6	15	10	10	8	0	0	10	0	1	0	5	1
September	4.5	NE.	26	NW.	0	2	7	8	4	2	1	1	5	0	11	7	12	4	3	0	1	9	0	0	0	2	1
October	5.2	SE.	27	NW.	0	3	7	8	5	0	1	2	5	0	11	7	13	9	8	0	0	6	0	0	6	3	0
November	6.8	W.	29	SW.	0	2	4	3	3	3	3	7	4	1	3	6	21	9	6	5	0	2	0	0	18	0	0
December	7.3	W.	31	SE.	0	3	5	1	5	0	7	7	3	0	2	7	22	12	9	12	0	0	10	0	30	0	0
Year	6.4	W.	39	W.	0	36	61	53	45	20	25	62	58	6	78	97	191	134	100	49	1	41	49	7	150	34	3

BIRMINGHAM, ALA.

[H=700 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

January	8.4	NW.	36	SE.	0	11	3	5	10	5	6	9	13	0	10	9	12	10	8	0	0	2	0	0	11	0	0
February	9.8	NW.	43	SE.	1	5	4	11	8	5	3	5	17	0	10	6	13	9	8	0	1	0	0	0	11	1	0
March	8.6	SW.	24	SW.	0	8	6	5	5	18	15	2	3	0	6	12	13	9	9	0	0	1	0	0	0	2	0
April	7.0	S.	33	S.	0	11	6	6	5	15	8	4	4	1	5	14	11	8	6	0	1	2	0	0	0	5	0
May	6.5	S.	29	SE.	0	3	3	4	12	18	9	8	4	1	4	16	11	13	11	0	2	0	0	2	0	11	0
June	5.3	SE.	32	NW.	0	8	7	9	12	8	5	4	6	1	3	22	5	7	5	0	0	1	0	9	0	10	0
July	5.2	SE.	31	NW.	0	9	4	12	12	6	7	6	6	0	2	15	14	16	13	0	0	0	0	13	0	18	0
August	4.5	N.	35	NW.	0	11	5	11	4	4	7	4	13	3	2	21	8	10	9	0	0	0	0	15	0	11	0
September	6.3	E.	24	NW.	0	6	14	25	6	2	2	2	3	0	7	14	9	4	4	0	0	0	0	10	0	1	0
October	5.6	E.	18	SE.	0	9	14	13	7	1	4	2	10	2	17	6	8	4	3	0	0	1	0	0	0	0	0
November	8.0	SW.	28	S.	0	12	0	5	12	9	16	2	4	0	9	15	6	6	4	0	0	2	0	0	2	1	0
December	7.6	N.	30	SE.	0	13	5	2	10	7	11	1	13	0	9	8	14	7	5	0	0	2	0	0	4	1	0
Year	6.9	E.	43	SE.	1	106	71	108	103	98	93	49	96	8	84	158	124	103	85	0	4	11	0	49	28	61	0

BISMARCK, N. DAK.

[H=1,674 ft.; h_t=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	10.8	NW.	43	NW.	3	3	2	5	3	7	3	10	29	0	8	10	13	4	3	3	0	0	9	0	31	0	0
February	12.0	NW.	40	NW.	1	3	2	8	6	5	7	5	22	0	7	12	10	8	5	8	0	0	22	0	29	0	0
March	11.7	NW.	44	NW.	1	5	7	9	4	4	6	10	17	0	4	14	13	15	8	13	0	0	14	0	30	0	0
April	14.7	NW.	49	NW.	4	6	1	6	9	3	4	6	25	0	11	11	8	11	8	7	0	0	2	0	18	1	0
May	11.5	E.	56	NE.	1	8	11	20	7	2	2	4	8	0	10	11	10	8	7	0	1	1	0	0	5	2	0
June	13.1	NW.	42	W.	3	4	0	7	11	9	3	7	19	0	10	12	8	10	7	0	0	0	0	0	0	4	0
July	9.3	NW.	47	W.	3	6	5	6	7	12	2	5	18	1	17	11	3	8	3	0	0	0	0	12	0	4	0
August	10.3	NW.	68	NW.	2	2	7	10	6	7	2	10	18	0	15	10	6	8	7	0	2	0	0	2	0	8	2
September	10.8	NW.	49	NW.	1	7	6	6	11	4	7	6	13	0	15	9	6	4	2	0	0	0	0	4	3	2	5
October	12.3	N.	58	SE.	4	14	5	6	10	5	5	5	12	0	8	10	13	4	3	1	0	0	2	0	16	2	0
November	12.0	NW.	54	NW.	3	3	1	5	4	2	6	4	35	0	9	15	6	3	3	3	0	0	12	0	26	0	3
December	10.5	NW.	60	NW.	3	3	3	7	2	9	4	29	0	5	17	9	2	1	2	0	1	20	0	31	0	0	
Year	11.6	NW.	68	NW.	29	64	52	91	85	62	56	76	245	1	119	142	105	85	57	37	3	2	81	18	189	23	10

BLOCK ISLAND, R. I.

[H=26 ft.; h_t=11 ft.; h_r=3 ft.; h_a=46 ft.]

January	24.8	SW.	74	N.	17	5	1	1	5	4	16	11	19	0	11	13	7	9	8	3	0	0	4	0	24	0	0
February	22.9	NW.	60	SW.	12	6	1	1	11	2	8	12	17	0	12	8	9	9	8	5	0	5	9	0	25	0	0
March	17.1	SW.	48	NW.	6	7	4	5	6	5	17	5	13	0	7	16	8	18	14	2	1	5	2	0	17	4	0
April	20.8	SW.	64	NW.	10	1	3	4	3	4	19	11	15	0	14	10	6	15	10	0	0	8	0	0	4	0	0
May	17.2	SW.	54	E.	5	2	5	9	10	7	21	4	4	0	9	16	6	11	7	0	0	8	0	0	0	0	0
June	13.4	SW.	40	NW.	1	0	5	5	2	7	28	2	11	0	19	10	1	6	4	0	0	4	0	0	0	4	0
July	13.1	SW.	38	NW.	0	2	4	7	2	9	26	9	3	0	12	16	3	5	4	0	0	7	0	0	0	5	0
August	14.1	SW.	50	NE.	3	3	11	2	4	13	14	6	9	0	13	9	9	8	5	0	0	3	0	0	0	1	0
September	12.3	SW.	40	NE.	1	3	12	2	6	11	13	5	8	0	10	6	14	3	2	0	0	6	0	0	0	0	3
October	15.8	NE.	55	W.	6	5	13	12	2	4	11	7	8	0	11	7	13	8	7	0	0	0	0	0	0	0	0
November	20.3	SW.	54	NW.	10	2	6	2	0	4	17	18	11	0	11	9	10	9	4	0	1	3	0	0	2	1	0
December	20.9	SW.	57	W.	11	6	1	3	3	1	19	8	21	0	7	7	17	11	9	4	0	1	2	0	15	0	0
Year	17.7	SW.	74	N.	82	42	66	53	54	71	209	98	139	0	136	127	103	112	82	14	2	50	17	0	87	15	3

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

BOISE, IDAHO.

[ϕ = 43° 37′ N.; λ = 116° 8′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	27.291	27.770	26.993	31.9	37.7	41.5	28.9	35.2	51	9	26	25	77	59	0.138	0.134	0.57	0.15	7.3	8.0	7.9
February	27.211	27.570	26.622	31.6	43.8	46.6	29.1	37.8	65	5	25	26	76	49	.132	.137	.39	.24	6.1	7.1	7.0
March	27.235	27.650	26.666	35.4	48.6	52.0	32.2	42.1	72	24	26	24	70	40	.146	.133	1.12	.33	6.7	6.8	7.1
April	27.178	27.450	26.736	41.5	62.4	64.5	39.2	51.8	84	26	29	26	63	27	.165	.147	.28	.10	4.1	4.7	4.3
May	27.055	27.277	26.663	44.6	59.5	63.3	42.0	52.6	84	35	33	31	67	39	.189	.177	1.38	.51	6.5	7.9	6.8
June	27.102	27.424	26.760	51.2	70.0	72.3	49.6	61.0	91	40	41	39	71	37	.266	.245	2.90	1.50	4.1	5.1	4.3
July	27.165	27.376	26.953	62.3	88.1	90.3	59.6	75.0	104	50	44	41	53	21	.290	.265	.23	.21	1.8	3.1	2.2
August	27.139	27.444	26.924	59.2	82.8	85.0	56.0	70.5	102	39	39	37	50	22	.247	.233	.21	.18	2.0	3.7	2.7
September	27.201	27.451	26.813	53.0	73.3	75.7	49.5	62.6	96	30	39	38	62	31	.251	.245	1.26	.69	3.4	4.3	3.4
October	27.209	27.572	26.776	42.5	54.9	60.2	39.1	49.6	79	27	32	35	70	49	.186	.204	1.33	.64	5.5	7.1	6.5
November	27.291	27.579	26.827	36.4	47.2	52.9	33.6	43.2	68	22	28	29	70	52	.150	.162	1.51	.64	4.8	7.8	6.6
December	27.310	27.660	27.005	27.7	33.7	37.2	25.0	31.1	47	11	24	26	86	73	.130	.143	1.15	.61	6.9	7.3	8.0
Year	27.199	27.770	26.622	43.1	58.5	61.8	40.3	51.0	104	5	32	31	68	42	.191	.185	12.33	1.50	4.9	6.1	5.6

BOSTON, MASS.

[ϕ = 42° 21′ N.; λ = 71° 04′ W.]

January	29.794	30.425	28.985	28.0	31.3	39.6	22.5	31.0	57	1	18	20	65	62	0.110	0.121	2.47	0.95	4.4	3.5	4.9
February	29.900	30.612	28.869	22.8	28.3	34.6	18.9	26.8	60	— 2	15	18	69	63	.099	.113	2.96	.84	4.7	4.7	5.1
March	29.942	30.442	29.233	35.7	39.3	46.6	30.6	38.6	70	15	28	31	75	72	.169	.184	2.97	.67	6.6	4.5	6.6
April	29.754	30.364	29.222	43.9	47.5	55.7	37.9	46.8	85	24	35	39	72	74	.229	.266	1.70	.39	4.6	4.3	5.3
May	29.818	30.252	29.136	58.2	59.4	67.2	50.8	59.0	88	39	50	51	75	77	.376	.393	3.78	1.83	6.0	5.5	5.9
June	29.888	30.287	29.651	67.8	69.6	79.5	60.1	69.8	90	49	54	56	64	63	.434	.455	1.08	.59	3.3	4.1	4.1
July	29.907	30.159	29.523	72.4	73.8	82.8	65.4	74.1	97	58	62	63	71	71	.568	.594	3.17	1.68	5.3	4.8	6.1
August	29.892	30.210	29.543	67.6	69.4	76.1	62.6	69.4	90	47	58	60	73	72	.503	.527	4.35	1.96	5.6	5.2	5.8
September	29.963	30.310	29.604	62.9	65.9	73.8	57.8	65.8	88	47	52	55	70	69	.406	.446	.68	.60	5.1	2.7	5.3
October	30.006	30.440	29.265	52.0	56.0	63.1	47.6	55.4	80	35	43	46	74	72	.299	.327	3.70	1.46	4.8	2.5	4.9
November	29.841	30.273	29.240	40.0	43.5	50.9	36.2	43.6	65	25	31	34	71	69	.184	.209	.74	.47	4.9	5.3	5.9
December	29.880	30.433	29.236	30.8	33.4	41.0	25.6	33.3	67	10	23	24	72	68	.137	.137	2.47	1.10	6.2	3.1	5.9
Year	29.882	30.612	28.869	48.5	51.4	59.2	43.0	51.1	97	— 2	39	41	71	69	.293	.314	30.07	1.96	5.1	4.2	5.5

BUFFALO, N. Y.

[ϕ = 42° 53′ N.; λ = 78° 53′ W.]

January	29.109	29.685	28.254	24.9	26.5	32.6	20.4	26.5	46	0	20	22	81	83	0.109	0.123	2.90	0.66	8.6	6.1	7.8
February	29.181	30.025	28.204	19.6	21.0	28.5	14.3	21.4	50	— 8	15	17	82	82	.092	.100	5.18	1.21	8.4	5.4	7.2
March	29.190	29.744	28.612	31.6	33.7	40.0	26.4	33.2	59	13	27	28	82	80	.152	.155	2.59	.69	8.2	7.0	7.6
April	29.089	29.704	28.646	39.8	41.4	48.9	32.6	40.8	73	21	33	33	77	73	.200	.195	3.60	.76	6.0	6.0	6.0
May	29.081	29.463	28.718	54.6	57.0	63.6	48.8	56.2	86	31	48	49	81	76	.361	.373	4.08	1.12	5.8	5.9	5.9
June	29.226	29.462	28.992	64.7	69.6	74.4	58.2	66.3	86	47	56	55	74	63	.462	.454	2.45	.96	4.4	3.8	3.6
July	29.231	29.429	28.786	69.5	73.4	78.1	63.8	71.0	88	55	62	63	79	71	.571	.582	3.40	1.91	4.4	3.6	4.1
August	29.204	29.480	28.927	65.5	69.9	75.4	60.0	67.7	86	48	58	58	77	68	.493	.504	2.85	1.40	4.2	3.3	4.6
September	29.264	29.521	28.941	63.0	67.4	74.4	58.1	66.2	85	40	54	54	72	63	.424	.428	1.06	.69	3.4	2.6	3.9
October	29.320	29.670	29.021	50.9	54.8	61.4	46.7	54.0	79	33	42	43	75	66	.283	.286	.98	.31	4.3	3.2	4.1
November	29.152	29.565	28.640	39.3	42.5	48.0	35.5	41.8	67	23	34	34	80	72	.202	.203	2.23	.64	7.4	5.0	6.2
December	29.151	29.610	28.593	29.3	29.5	35.1	24.0	29.6	49	12	24	24	80	80	.135	.131	2.92	.57	7.5	6.9	7.4
Year	29.183	30.025	28.204	46.1	48.9	55.0	40.7	47.9	88	— 8	39	40	78	73	.290	.294	34.24	1.91	6.0	4.9	5.7

BURLINGTON, VT.

[ϕ = 44° 29′ N.; λ = 73° 12′ W.]

January	29.490	30.090	28.512	15.8	.....	27.7	7.2	17.4	43	−15	10	....	76	....	0.077	.....	1.54	0.63	7.1	.....	7.1
February	29.607	30.353	28.405	11.3	.....	23.2	5.4	14.3	52	−27	7	....	83	....	.075	.....	2.27	.75	6.7	.....	6.1
March	29.602	30.115	28.967	26.6	.....	37.5	19.2	28.4	56	1	20	....	76	....	.119	.....	1.74	.50	6.8	.....	6.7
April	29.457	30.069	28.872	36.2	.....	47.8	29.5	38.6	77	12	26	....	67	....	.161	.....	1.93	.74	5.9	.....	6.1
May	29.482	29.875	28.722	55.0	.....	66.7	47.6	57.1	83	31	46	....	73	....	.330	.....	3.47	1.03	6.6	.....	6.3
June	29.582	29.919	29.367	63.3	.....	74.8	53.6	64.2	89	34	52	....	67	....	.398	.....	2.46	1.20	4.6	.....	4.1
July	29.595	29.893	29.183	69.4	.....	82.1	61.2	71.6	96	47	59	....	71	....	.514	.....	2.66	.91	4.3	.....	4.7
August	29.573	29.902	29.302	63.5	.....	76.3	55.8	66.0	84	44	55	....	74	....	.444	.....	1.70	.48	4.3	.....	5.0
September	29.667	30.046	29.388	57.6	.....	74.8	51.2	63.0	88	34	49	....	75	....	.366	.....	1.15	.64	2.6	.....	6.0
October	29.711	30.112	29.188	46.0	.....	61.0	39.8	50.4	78	25	39	....	76	....	.247	.....	1.95	.77	4.5	.....	5.9
November	29.498	29.934	28.855	35.2	.....	43.6	31.8	37.7	60	18	29	....	78	....	.163	.....	1.03	.28	8.4	.....	8.5
December	29.536	30.112	28.989	20.6	.....	29.9	13.0	21.4	56	— 4	16	....	82	....	.096	.....	1.59	.79	7.6	.....	8.5
Year	29.567	30.353	28.405	41.7	.....	53.8	34.6	44.2	96	−27	34	....	75	....	.249	.....	23.49	1.20	5.8	.....	6.2

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

BOISE, IDAHO.

[H=2,739 ft.; h_t=78 ft.; h_r=72 ft.; h_a=86 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Fog.	Maximum temp. 32° or below.	90° or above.	32° or Minimum temperature below.	Electricity. Thunderstorms.	Aurorae.
	Miles.		*Mi.*																								
January	5.1	SE.	33	W.	0	10	3	4	18	6	0	7	14	0	1	12	18	7	7	3	0	0	1	0	23	0	0
February	6.1	SE.	28	SE.	0	10	4	6	18	4	2	7	7	0	8	1	20	5	3	2	0	2	2	0	20	0	0
March	6.7	SE.	38	NW.	0	14	1	2	17	2	6	6	14	0	6	7	18	13	7	7	0	0	0	0	20	0	0
April	6.9	NW.	33	SE.	0	10	3	3	13	2	2	8	19	0	16	4	10	5	3	0	0	0	0	0	8	1	0
May	9.6	NW.	42	SW.	1	6	1	3	11	6	0	5	30	0	6	10	15	9	6	0	0	0	0	0	0	1	0
June	5.9	NW.	28	NW.	0	8	2	5	16	2	0	10	16	1	13	12	5	12	7	0	0	0	0	2	0	3	0
July	5.8	NW.	40	NW.	1	4	4	6	14	5	1	9	19	0	22	8	1	2	1	0	0	0	0	17	0	6	0
August	5.3	NW.	23	NE.	0	3	1	4	12	6	1	10	24	1	19	10	2	3	1	0	0	0	0	11	0	2	0
September	4.6	NW.	40	W.	1	6	2	6	11	3	3	8	21	0	18	8	4	7	3	0	0	0	0	4	2	4	0
October	4.8	NW.	38	NW.	0	6	4	4	15	3	3	12	15	0	6	9	16	9	7	1	0	0	0	0	6	0	0
November	4.7	W.	24	NW.	0	2	5	3	14	7	1	14	14	0	6	9	15	5	5	2	0	0	2	0	14	0	0
December	3.9	NW.	29	W.	0	9	3	4	11	5	6	8	16	0	4	5	22	10	5	5	0	3	9	0	27	0	0
Year	5.8	NW.	42	SW.	3	88	33	50	170	51	25	104	209	2	125	95	146	87	55	20	0	5	14	34	120	17	0

BOSTON, MASS.

[H=125 ft.; h_t=115 ft.; h_r=154 ft.; h_a=188 ft.]

January	13.9	W.	48	SW.	2	4	2	0	1	5	21	16	13	0	14	6	11	8	6	3	0	1	5	0	25	0	0
February	12.9	NW.	43	SE.	3	6	0	3	7	3	10	14	15	0	11	9	9	10	9	4	0	3	11	0	26	0	0
March	11.5	SW.	39	SW.	0	10	2	1	7	5	16	9	12	0	6	9	16	15	11	5	0	3	3	0	19	1	1
April	13.2	NW.	45	W.	1	2	4	5	4	1	18	11	15	0	9	11	10	15	12	2	0	1	0	0	7	3	1
May	10.9	E.	36	SE.	0	5	3	13	5	9	14	10	3	0	9	11	11	10	8	0	0	0	0	0	0	0	0
June	9.8	SW.	31	NW.	0	3	2	6	6	3	20	13	7	0	15	11	4	7	4	0	0	1	0	2	0	4	0
July	9.4	SW.	28	W.	0	3	4	4	5	5	23	16	2	0	6	14	11	7	6	0	0	2	0	4	0	5	0
August	9.4	SW.	28	NE.	0	8	7	3	6	9	12	11	6	0	10	10	11	9	7	0	0	0	0	0	0	4	1
September	9.3	SW.	30	S.	0	6	4	4	1	4	22	9	10	0	13	8	9	3	3	0	0	1	0	0	0	0	2
October	9.0	NW.	35	N.	0	4	8	7	3	4	10	12	14	0	15	6	10	7	7	0	0	3	0	0	0	0	0
November	11.2	W.	40	W.	1	3	1	1	1	3	18	24	9	0	11	5	14	9	5	0	0	2	0	0	9	0	0
December	11.4	W.	47	SE.	1	7	0	1	3	4	10	25	12	0	10	8	13	7	7	3	0	0	4	0	24	0	0
Year	11.0	SW.	48	SW.	8	61	37	48	49	55	194	170	118	0	129	108	129	107	85	17	0	16	23	6	110	17	5

BUFFALO, N. Y.

[H=767 ft.; h_t=178 ft.; h_r=168 ft.; h_a=206 ft.]

January	19.0	W.	59	SW.	11	6	3	4	3	9	11	19	7	0	1	13	17	19	13	18	0	0	12	0	29	0	0
February	17.7	W.	76	SW.	8	3	3	9	1	9	11	20	2	0	3	11	15	23	13	19	0	1	19	0	27	1	0
March	16.5	SW.	51	SW.	8	6	4	5	4	6	22	11	4	0	2	12	17	17	10	11	0	0	7	0	24	3	0
April	16.9	SW.	55	W.	6	3	7	7	1	12	17	6	7	0	7	12	11	16	12	4	1	4	2	0	18	1	0
May	13.6	SW.	49	SW.	4	1	8	12	5	7	15	12	2	0	8	12	11	19	14	1	1	2	0	0	1	6	0
June	11.8	SW.	72	NW.	2	7	3	5	1	10	18	14	2	0	15	13	2	8	7	0	0	0	0	0	0	4	0
July	11.1	SW.	52	SW.	2	6	10	8	1	5	21	8	3	0	16	10	5	11	8	0	0	0	0	0	0	8	0
August	10.4	SW.	60	SW.	2	6	8	7	2	11	17	5	6	0	13	11	7	9	5	0	0	0	0	0	0	6	0
September	11.4	SW.	46	W.	2	2	10	5	5	16	14	3	5	0	16	8	6	7	5	0	0	0	0	0	0	3	0
October	11.4	S.	36	SW.	0	6	6	11	6	20	4	4	5	0	14	10	7	7	5	0	0	2	0	0	0	1	0
November	19.4	W.	56	W.	12	3	0	3	2	13	9	28	2	0	6	12	12	14	8	6	0	0	0	0	12	0	0
December	21.0	W.	61	SW.	12	1	4	5	3	7	12	27	3	0	3	10	18	19	14	14	0	2	7	0	30	0	0
Year	15.0	SW.	76	SW.	69	50	66	81	34	125	171	157	48	0	104	134	128	169	114	73	2	11	47	0	141	33	0

BURLINGTON, VT.

[H=404 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

January	14.6	S.	51	S.	5	8	0	2	1	9	2	3	6	0	5	8	18	9	5	9	0	0	21	0	31	0	0
February	11.7	S.	40	S.	2	2	2	4	2	9	1	0	8	1	6	11	12	13	10	10	0	2	23	0	27	0	1
March	13.7	S.	70	S.	6	4	0	1	3	11	3	4	5	0	5	11	15	15	12	6	0	0	10	0	29	1	0
April	15.1	S.	60	S.	4	4	1	0	1	15	2	2	5	0	8	9	13	13	10	6	0	0	3	0	20	2	1
May	11.3	S.	47	S.	3	4	2	0	3	11	4	3	4	0	5	15	11	17	13	1	0	1	0	0	2	6	2
June	10.2	S.	38	S.	0	8	0	2	1	14	1	1	3	0	16	12	2	12	9	0	0	0	0	0	0	6	0
July	9.1	S.	39	S.	0	4	0	0	2	17	3	3	2	0	15	10	6	10	8	0	0	0	0	5	0	4	0
August	9.1	S.	39	SE.	0	3	2	3	2	15	2	3	1	0	9	15	7	12	9	0	1	0	0	0	0	5	2
September	10.5	S.	40	SE.	1	4	0	4	2	14	2	1	3	0	8	10	12	6	4	0	0	1	0	0	0	0	2
October	10.7	S.	37	W.	0	4	0	5	7	10	0	0	5	0	14	2	15	7	5	0	0	0	0	0	8	0	0
November	15.5	S.	48	S.	4	1	0	1	5	8	1	6	8	0	2	4	24	12	8	5	0	2	2	0	18	0	0
December	13.6	S.	44	S.	4	4	2	2	3	12	1	2	5	0	2	8	21	18	7	17	0	0	17	0	31	0	0
Year	12.1	S.	70	S.	29	50	9	24	32	145	22	28	55	1	95	115	156	144	100	54	1	6	76	5	166	24	8

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

CAIRO, ILL.

[φ=37° 0′ N.; λ=89° 10′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.712	30.242	28.920	32.4	39.4	44.0	29.6	36.8	59	16	26	29	75	68	0.142	0.167	2.84	1.02	4.6	3.9	5.1
February	29.731	30.226	28.954	35.0	40.8	45.9	32.1	39.0	65	10	28	30	74	67	.168	.185	6.98	2.83	6.8	4.8	6.6
March	29.685	30.306	29.263	49.3	57.4	61.7	45.4	53.6	82	33	41	46	74	67	.277	.327	1.88	.83	7.2	6.3	7.6
April	29.612	29.977	29.008	54.3	61.6	68.3	50.0	59.2	81	33	46	48	76	64	.339	.356	6.63	2.01	6.8	6.5	6.6
May	29.530	29.803	29.327	64.3	71.5	77.2	60.8	69.0	90	45	58	59	81	67	.510	.528	4.90	1.94	6.7	6.4	6.1
June	29.649	29.892	29.504	70.4	77.7	83.3	67.1	75.2	94	58	64	64	80	66	.602	.618	3.15	1.33	6.2	5.3	5.7
July	29.676	29.857	29.462	73.3	80.9	86.8	70.4	78.6	93	62	68	67	82	64	.674	.668	1.92	.59	4.5	5.0	4.7
August	29.624	29.846	29.458	72.0	80.5	86.3	70.0	78.2	96	63	66	69	83	69	.659	.717	4.28	2.33	4.8	4.1	4.4
September	29.692	29.940	29.453	65.5	75.3	83.1	63.5	73.3	90	43	59	61	80	61	.515	.542	1.01	.91	4.5	4.2	3.9
October	29.743	30.071	29.477	49.4	62.1	69.4	48.3	58.8	84	37	42	43	77	51	.275	.293	.02	.02	3.1	3.0	3.5
November	29.717	30.156	29.352	44.4	54.6	59.3	42.4	50.8	76	25	36	37	74	54	.232	.241	3.32	1.51	4.6	4.2	5.0
December	29.763	30.316	29.372	37.3	44.2	50.0	34.2	42.1	70	19	30	31	74	61	.176	.189	1.54	.76	4.4	5.7	5.4
Year	29.678	30.316	28.920	54.0	62.2	67.9	51.2	59.6	96	10	47	49	78	63	.381	.403	38.47	2.83	5.4	5.0	5.4

CANTON, N. Y.

[φ=44° 36′ N.; λ=75° 10′ W.]

January	29.454	30.102	28.597	13.9	.....	26.2	4.2	15.2	45	−28	9	....	79	....	0.072	.....	2.05	0.60	7.1	.....	6.6
February	29.549	30.380	28.366	10.5	.....	21.4	1.8	11.6	43	−40	6	....	82	....	.069	.....	3.94	1.24	7.2	.....	6.6
March	29.533	30.070	28.981	25.7	.....	36.2	18.2	27.2	59	− 2	18	....	73	....	.109	.....	3.04	.68	8.1	.....	8.2
April	29.421	30.062	28.854	36.4	.....	48.4	29.9	39.2	79	12	26	....	66	....	.158	.....	2.59	.61	5.9	.....	6.3
May	29.422	29.803	28.714	54.8	.....	66.2	47.2	56.7	85	32	47	....	76	....	.343	.....	6.45	1.35	7.0	.....	6.6
June	29.547	29.848	29.279	63.4	.....	75.3	53.4	64.4	87	37	53	....	69	....	.415	.....	1.72	.99	3.6	.....	3.0
July	29.562	29.856	29.149	68.4	.....	80.4	60.3	70.4	92	48	59	....	73	....	.510	.....	4.95	1.94	5.1	.....	4.0
August	29.538	29.861	29.208	63.3	.....	76.2	53.9	65.0	85	40	55	....	76	....	.449	.....	1.01	.48	4.4	.....	4.3
September	29.622	30.000	29.285	57.8	.....	75.3	49.6	62.4	87	35	49	....	74	....	.363	.....	1.83	.85	1.6	.....	1.8
October	29.682	30.066	29.289	45.2	.....	60.5	38.5	49.5	80	24	37	....	75	....	.234	.....	1.71	.57	4.4	.....	4.4
November	29.467	29.852	29.023	34.2	.....	43.8	30.2	37.0	65	20	28	....	77	....	.159	.....	2.19	.40	8.5	.....	8.0
December	29.487	30.061	29.008	18.3	.....	29.2	8.6	18.9	53	−20	13	....	81	....	.091	.....	2.12	.58	7.3	.....	7.4
Year	29.524	30.380	28.366	41.0	.....	53.3	33.0	43.1	92	−40	33	....	75	....	.248	.....	33.60	1.94	5.8	.....	5.6

CHARLES CITY, IOWA.

[ϕ=43° 4′ N.; λ=92° 38′ W.]

January	28.934	29.530	28.355	15.3	22.6	31.0	9.3	20.2	46	−14	13	18	92	82	0.083	0.102	0.40	0.40	5.3	3.0	5.7
February	28.971	29.441	28.426	16.9	24.8	29.9	13.1	21.5	48	− 9	15	20	92	82	.092	.113	1.44	.68	6.3	5.6	6.9
March	28.932	29.469	28.162	28.4	36.9	43.3	25.9	34.6	69	8	24	30	84	76	.132	.173	1.66	.72	7.4	6.5	6.9
April	28.836	29.411	27.984	40.0	52.2	58.6	36.1	47.4	79	16	34	39	80	63	.211	.256	2.00	.91	5.1	5.3	5.4
May	28.798	29.182	28.369	51.5	62.6	67.8	46.8	57.3	84	27	47	50	84	65	.342	.393	6.55	1.46	6.4	6.7	7.0
June	28.910	29.284	28.578	60.2	69.7	74.7	55.4	65.0	87	40	55	59	83	69	.446	.511	8.41	2.43	6.6	6.1	6.4
July	28.988	29.217	28.660	65.4	77.1	82.2	61.0	71.6	94	50	62	64	89	66	.568	.619	4.34	2.52	6.0	5.2	6.1
August	28.955	29.187	28.731	60.6	72.5	78.9	55.9	67.4	90	43	57	61	88	68	.472	.551	3.48	1.45	5.2	4.5	5.2
September	28.977	29.253	28.702	55.9	69.5	79.0	52.8	65.9	91	26	52	57	89	65	.415	.494	.81	.76	2.8	3.7	4.3
October	28.983	29.339	28.497	42.0	51.2	60.1	39.4	49.8	79	23	38	41	85	70	.237	.267	2.63	.89	6.0	5.3	5.8
November	28.917	29.383	28.262	29.9	37.1	47.0	25.7	36.4	60	6	28	31	91	77	.159	.179	1.31	.92	6.5	4.6	6.8
December	28.950	29.492	28.508	20.2	24.5	31.7	14.6	23.2	48	−11	18	20	88	83	.098	.114	1.16	.76	6.1	4.5	5.9
Year	28.929	29.530	27.984	40.5	50.1	57.0	36.3	46.7	94	−14	37	41	87	72	.271	.314	34.19	2.52	5.8	5.1	6.0

CHARLESTON, S. C.

[φ=32° 47′ N.; λ=79° 56′ W.]

January	30.027	30.406	29.122	44.6	50.0	57.1	41.8	49.4	67	27	40	43	85	77	0.257	0.288	2.49	0.90	5.5	4.2	4.5
February	30.097	30.600	29.455	44.4	49.6	56.1	40.9	48.5	68	26	40	41	84	74	.265	.278	3.15	1.06	4.5	3.6	4.1
March	30.090	30.486	29.710	58.0	60.5	70.1	54.3	62.2	84	36	54	56	86	86	.430	.459	2.16	1.34	4.2	3.2	3.9
April	29.956	30.269	29.549	66.0	68.2	76.2	61.5	68.8	90	45	60	62	82	82	.533	.572	4.92	1.36	4.6	4.8	5.0
May	29.940	30.191	29.606	70.9	73.2	81.6	66.5	74.0	93	46	65	67	81	81	.633	.665	2.01	.62	3.8	4.7	4.4
June	29.994	30.175	29.822	76.8	77.5	84.3	72.3	78.3	92	69	71	72	82	83	.760	.783	2.70	.76	4.0	5.3	4.7
July	29.996	30.220	29.685	79.8	80.8	86.9	76.0	81.4	95	68	72	74	78	79	.789	.826	2.80	2.08	4.5	5.5	5.2
August	29.956	30.119	29.780	78.0	80.1	86.5	74.2	80.4	95	66	72	72	82	77	.733	.798	4.88	1.21	4.1	6.1	4.5
September	29.992	30.185	29.743	71.9	75.2	81.3	69.4	75.4	89	59	67	68	85	80	.665	.703	1.06	.77	4.1	4.6	4.9
October	29.999	30.295	29.640	59.9	66.0	73.1	57.8	65.4	82	47	55	57	83	74	.438	.475	1.55	.72	3.6	2.5	4.0
November	30.085	30.342	29.651	54.9	59.7	68.7	53.0	60.8	80	38	50	52	83	78	.372	.416	2.75	2.56	2.6	1.5	3.9
December	30.077	30.409	29.684	50.5	55.0	63.7	48.0	55.8	78	38	45	47	82	75	.317	.335	.94	.50	5.3	3.8	5.5
Year	30.017	30.600	29.122	63.0	66.3	73.8	59.6	66.7	95	26	58	59	83	79	.520	.550	31.41	2.56	4.2	4.2	4.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

CAIRO, ILL.

[H=356 ft.; h_t=87 ft.; h_r= 80 ft.; h_a=93 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	10.0	N.	35	NE.	0	14	7	2	8	12	5	4	10	0	14	5	12	11	8	2	0	1	2	0	19	0	0
February	11.9	W.	43	SE.	1	3	7	7	9	7	6	11	8	0	7	8	14	15	13	3	1	1	1	0	16	4	0
March	12.2	S.	40	S.	1	12	10	4	7	19	7	0	3	0	2	11	18	14	11	0	1	0	0	0	0	3	0
April	10.2	S.	36	SW.	0	10	8	6	5	14	9	2	5	1	5	12	13	15	15	0	0	0	0	0	0	7	0
May	9.0	S.	48	S.	2	3	5	5	13	19	10	4	3	0	7	10	14	15	12	0	0	0	0	1	0	14	0
June	8.0	SE.	42	W.	2	10	6	7	12	12	6	1	6	0	7	15	8	9	7	0	0	0	0	4	0	10	0
July	6.0	S.	30	N.	0	9	7	8	6	14	7	9	2	0	14	7	10	13	8	0	0	0	0	9	0	11	0
August	6.4	N.	39	NE.	0	14	10	3	6	12	8	5	3	1	14	12	5	10	7	0	0	1	0	5	0	13	0
September	6.1	S.	27	NW.	0	12	10	3	9	13	7	1	5	0	16	6	8	3	2	0	0	0	0	3	0	1	0
October	7.4	S.	29	SW.	0	15	12	2	5	16	5	1	6	0	19	6	6	1	0	0	0	0	0	0	0	0	0
November	9.8	SW.	37	S.	0	13	10	3	4	10	16	3	1	0	10	11	9	9	8	0	0	0	0	0	5	4	0
December	9.7	S.	32	NW.	0	10	7	2	5	15	12	4	7	0	12	6	13	6	5	0	0	4	1	0	11	0	0
Year	8.9	S.	48	S.	6	125	99	52	89	163	98	45	59	2	127	109	130	121	96	5	2	7	4	22	51	67	0

CANTON, N. Y.

[H=448 ft.; h_t=10 ft.; H_r=4 ft.; h_a=71 ft.]

January	14.4	SW.	54	W.	5	2	4	2	0	0	13	8	2	0	8	9	14	16	13	15	0	0	21	0	31	0	1
February	11.5	W.	56	SW.	3	0	4	3	1	2	10	6	3	0	7	8	14	14	9	12	0	1	23	0	28	0	1
March	14.0	SW.	50	SW.	5	2	4	1	2	2	13	6	1	0	4	4	23	17	12	9	0	0	11	0	29	2	2
April	15.8	SW.	55	W.	4	2	3	2	2	0	8	9	4	0	7	12	11	19	16	5	0	0	4	0	18	2	3
May	12.1	SW.	55	SW.	2	1	8	2	2	1	9	7	1	0	4	16	11	19	16	2	0	1	0	0	3	6	3
June	10.6	SW.	51	SW.	3	1	4	1	2	1	13	4	4	0	19	7	4	10	8	0	0	1	0	0	0	3	1
July	10.0	SW.	45	SW.	4	0	3	2	0	3	13	8	2	0	16	9	6	13	11	0	0	1	0	3	0	5	0
August	9.1	SW.	38	W.	0	1	3	1	1	4	13	8	0	0	14	11	6	9	4	0	0	0	0	0	0	5	0
September	9.4	SW.	52	SW.	1	0	3	4	2	6	11	3	1	0	23	7	0	4	4	0	0	0	0	0	0	2	0
October	9.2	SW.	32	SW.	0	0	2	5	3	3	7	7	4	0	14	10	7	8	5	0	0	3	0	0	12	0	2
November	14.3	SW.	51	W.	5	0	1	3	1	3	8	13	1	0	3	7	20	18	12	9	0	0	3	0	19	1	0
December	12.5	SW.	65	W.	7	2	6	2	0	4	8	7	2	0	6	6	19	21	12	19	0	0	17	0	30	0	0
Year	11.9	SW.	65	W.	39	11	45	28	16	29	126	86	25	0	125	106	135	168	122	71	0	6	79	3	170	26	19

CHARLES CITY, IOWA.

[H=1,015 ft.; h_t=10 ft.; h_r=4 ft.; h_a=49 ft.]

January	8.2	NW.	28	NW.	0	11	3	4	9	7	9	3	16	0	8	12	11	1	1	1	0	1	17	0	31	0	0
February	9.8	NW.	28	SW.	0	5	4	3	14	4	6	1	21	0	6	7	16	8	7	4	0	0	17	0	27	0	0
March	8.5	NW.	32	SE.	0	8	6	4	6	7	10	5	16	0	5	10	16	7	6	2	0	0	5	0	27	2	0
April	9.5	NW.	32	SW.	0	5	3	2	11	8	4	6	20	1	10	11	9	7	7	1	0	0	1	0	11	2	0
May	8.3	SE.	34	SW.	0	8	8	9	13	2	5	6	11	0	5	8	18	14	13	0	1	0	0	0	3	12	0
June	8.5	SE.	35	NE.	0	6	3	1	16	12	9	0	13	0	5	12	13	15	12	0	1	1	0	0	0	11	0
July	5.1	SE.	24	SW.	0	11	10	3	13	7	10	1	7	0	4	17	10	12	10	0	0	0	0	3	0	4	0
August	4.9	SW.	19	W.	0	9	3	1	13	7	14	1	14	0	7	17	7	8	8	0	0	3	0	2	0	3	1
September	6.5	SE.	26	S.	0	3	2	1	18	14	8	2	10	2	13	13	4	3	3	0	0	1	0	3	2	1	3
October	8.1	S.	28	SW.	0	10	2	2	13	16	3	2	13	1	8	11	12	9	9	1	0	0	0	0	8	1	0
November	7.4	NW.	30	NW.	0	3	1	1	13	6	11	6	18	1	2	17	11	7	5	3	0	1	4	0	24	0	0
December	8.2	NW.	31	NW.	0	6	1	2	6	13	10	2	22	0	10	9	12	4	4	3	0	0	16	0	30	0	0
Year	7.8	NW.	35	NE.	0	85	46	33	145	103	99	35	181	5	83	144	139	95	85	15	2	7	60	8	163	36	4

CHARLESTON, S. C.

[H=48 ft.; h_t=14 ft.; h_r=76 ft.; h_a=92 ft.]

January	11.9	NW.	44	SW.	3	7	8	6	2	3	12	8	16	0	11	13	7	9	8	0	0	0	0	0	2	1	0
February	14.3	NW.	46	SW.	2	1	10	6	1	5	13	12	10	0	14	8	7	8	8	0	0	0	0	0	3	2	0
March	12.2	SW.	36	E.	0	6	8	7	4	6	26	3	2	0	17	7	7	8	7	0	0	1	0	0	0	1	0
April	12.1	SW.	47	NE.	2	2	8	7	7	9	12	13	2	0	6	15	9	11	10	0	0	1	0	0	0	6	0
May	10.0	S.	26	NW.	0	4	3	6	2	14	19	12	2	0	11	17	3	10	9	0	1	0	0	2	0	9	0
June	9.9	NE.	39	NE.	0	5	16	9	7	11	7	4	1	0	8	19	3	10	8	0	0	0	0	1	0	11	0
July	11.7	S.	37	E.	0	5	8	10	6	16	7	7	3	0	5	19	7	13	10	0	0	0	0	7	0	8	0
August	9.7	S.	35	SW.	0	13	3	1	2	19	10	9	5	0	13	16	2	12	11	0	0	0	0	5	0	12	0
September	11.3	E.	34	E.	0	9	19	15	3	7	3	3	1	0	10	12	8	5	4	0	0	0	0	0	0	3	0
October	10.8	N.	30	N.	0	21	13	3	3	3	4	7	8	0	15	8	8	5	4	0	0	1	0	0	0	1	0
November	9.0	N.	33	N.	0	14	11	3	1	10	8	6	7	0	12	16	2	4	3	0	0	5	0	0	0	3	0
December	9.9	SW.	33	SW.	0	16	10	1	1	5	12	8	9	0	9	11	11	7	5	0	0	0	0	0	0	1	0
Year	11.1	SW.	47	NE.	7	103	117	74	39	108	133	92	66	0	131	161	74	102	87	0	1	8	0	15	5	58	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

CHARLOTTE, N. C.

[φ=35° 13′ N.; λ=80° 51′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.223	29.632	28.494	35.0	42.5	48.5	32.5	40.5	63	21	28	28	76	58	0.160	0.162	6.18	1.76	5.8	4.4	5.6
February	29.290	29.858	28.552	33.0	40.2	46.0	30.8	38.4	63	17	25	25	74	57	.147	.151	3.75	.96	5.5	6.0	6.0
March	29.286	29.775	28.874	50.3	60.2	67.8	47.5	57.6	82	30	43	44	77	59	.290	.310	4.27	1.37	6.1	6.4	5.5
April	29.179	29.527	28.762	58.5	65.3	73.4	53.3	63.4	84	38	50	46	75	53	.382	.337	1.29	.51	6.7	5.6	6.2
May	29.151	29.423	28.790	64.4	72.1	79.3	58.4	68.8	89	37	56	54	76	56	.475	.439	2.20	1.35	4.7	5.6	4.5
June	29.251	29.449	29.034	70.5	75.5	83.9	65.0	74.4	94	58	63	62	78	65	.587	.560	2.65	.92	4.8	5.8	5.4
July	29.263	29.490	29.087	74.3	77.2	86.5	69.3	77.9	94	62	68	68	82	75	.694	.689	5.62	2.19	5.7	7.6	5.7
August	29.215	29.432	28.994	71.0	74.8	83.9	67.2	75.6	95	56	67	67	87	78	.668	.663	14.61	4.22	6.5	6.9	5.8
September	29.279	29.513	29.058	64.4	70.9	79.1	60.1	69.6	86	46	58	58	80	65	.491	.498	1.50	.97	4.8	4.0	3.8
October	29.276	29.675	28.931	52.7	61.9	69.0	50.0	59.5	82	41	47	48	81	62	.328	.341	6.58	2.43	3.2	2.9	3.5
November	29.297	29.575	28.891	45.9	55.6	62.0	44.5	53.2	73	30	40	43	81	64	.268	.294	1.69	1.23	4.2	3.4	4.5
December	29.278	29.691	28.893	41.3	47.1	53.7	38.1	45.9	72	26	37	36	84	68	.232	.229	4.06	2.48	6.3	5.5	5.9
Year	29.249	29.858	28.494	55.1	61.9	69.4	51.4	60.4	95	17	48	48	79	63	.394	.389	54.40	4.22	5.4	5.3	5.2

CHATTANOOGA, TENN.

[φ=35° 4′ N.; λ=85° 14′ W.]

January	29.284	29.656	28.491	35.1	43.0	47.5	32.0	39.8	64	16	27	30	73	62	0.153	0.178	3.64	1.08	6.4	5.3	5.8
February	29.345	29.703	28.673	35.6	43.5	49.1	32.6	40.8	67	13	28	31	72	64	.162	.195	4.90	1.48	6.1	5.1	6.1
March	29.307	29.810	28.939	52.3	61.9	67.3	48.5	57.9	86	31	45	47	77	60	.316	.332	3.35	1.17	6.9	6.4	6.7
April	29.214	29.506	28.784	56.6	67.6	73.9	53.7	63.8	84	34	48	49	73	54	.356	.371	5.17	1.82	6.0	6.4	6.0
May	29.185	29.457	28.850	63.5	73.3	79.1	59.8	69.4	91	37	56	58	77	61	.465	.509	1.94	.77	5.0	5.6	5.8
June	29.268	29.437	29.087	70.8	79.9	85.8	66.4	76.1	95	58	62	63	74	57	.561	.574	.89	.35	4.4	4.8	5.3
July	29.288	29.496	29.138	72.9	79.9	88.4	69.0	78.7	94	63	66	66	79	66	.635	.655	2.43	.85	4.7	6.5	5.7
August	29.226	29.466	29.012	71.2	79.3	86.1	68.4	77.2	94	61	66	68	83	70	.636	.699	7.04	3.31	4.7	6.3	5.6
September	29.295	29.520	29.062	63.4	74.9	81.5	61.1	71.3	90	43	59	63	87	66	.514	.576	3.72	1.87	4.1	3.8	4.2
October	29.317	29.643	29.103	49.0	62.7	71.1	47.7	59.4	83	40	45	51	88	66	.308	.374	1.73	1.28	3.1	2.6	3.6
November	29.334	29.675	28.997	47.0	57.9	63.8	44.6	54.2	76	27	41	45	80	65	.277	.318	.69	.19	5.6	4.2	5.2
December	29.344	29.695	28.944	41.9	48.3	53.8	38.6	46.2	69	27	36	38	80	69	.223	.240	6.67	3.52	7.4	5.4	6.7
Year	29.284	29.810	28.491	54.9	64.4	70.6	51.9	61.2	95	13	48	51	79	63	.384	.418	42.17	3.52	5.4	5.2	5.6

CHEYENNE, WYO.

[φ=41° 8′ N.; λ=104° 48′ W.]

January	23.965	24.291	23.684	25.9	29.4	39.4	16.5	28.0	51	−13	14	13	61	52	0.082	0.078	0.36	0.16	2.6	4.1	4.2
February	23.923	24.244	23.577	23.3	34.0	42.5	16.9	29.7	64	−14	13	15	64	46	.078	.084	.20	.07	3.1	4.4	4.5
March	23.925	24.357	23.527	29.8	42.8	49.8	24.5	37.2	68	9	16	16	60	36	.092	.089	.16	.15	3.6	6.5	4.9
April	23.952	24.272	23.416	33.8	53.0	57.9	30.5	44.2	75	7	20	22	58	34	.110	.122	.36	.16	2.6	5.0	4.5
May	23.866	24.144	23.479	40.2	54.5	60.0	35.6	47.8	81	23	31	31	71	48	.178	.180	6.19	2.67	4.7	6.2	5.6
June	23.985	24.363	23.580	50.2	64.9	70.7	45.1	57.9	85	40	39	39	69	45	.246	.248	2.52	1.17	4.4	5.7	4.9
July	24.170	24.427	23.919	55.7	70.4	78.2	51.7	65.0	89	36	48	49	76	50	.337	.350	4.33	1.04	4.5	4.9	4.7
August	24.118	24.338	23.884	53.6	68.8	76.0	50.4	63.2	89	41	45	49	76	53	.311	.353	2.45	.72	3.6	4.3	4.7
September	24.109	24.374	23.738	46.6	68.2	74.9	43.3	59.1	89	16	34	36	64	34	.201	.218	.09	.09	2.7	2.8	3.4
October	24.008	24.318	23.345	35.7	46.1	54.3	31.7	43.0	74	15	24	27	65	52	.130	.144	1.14	.60	4.7	4.9	4.9
November	24.039	24.388	23.523	26.9	33.1	44.3	20.0	32.2	69	− 7	14	19	60	60	.084	.100	.59	.16	3.5	3.0	4.0
December	23.960	24.172	23.717	26.5	29.6	38.2	19.1	28.6	52	2	15	17	62	59	.086	.092	.70	.53	3.6	4.3	4.2
Year	24.002	24.427	23.345	37.4	49.6	57.2	32.1	44.7	89	−14	26	28	66	47	.161	.172	19.09	2.67	3.6	4.7	4.5

CHICAGO, ILL.

[φ=41° 53′ N.; λ=87° 37′ W.]

January	29.111	29.647	28.467	26.2	30.7	35.3	21.9	28.6	49	0	23	24	85	74	0.125	0.132	2.05	1.22	4.8	4.2	5.2
February	29.153	29.795	28.617	23.9	28.3	32.4	21.0	26.7	50	− 2	20	22	83	75	.113	.122	3.72	1.27	6.8	6.2	6.9
March	29.138	29.684	28.497	36.7	40.8	48.5	32.8	40.6	71	21	31	32	78	70	.175	.180	3.48	1.32	6.4	5.1	6.3
April	29.045	29.642	28.355	45.3	49.7	57.3	40.6	49.0	76	24	38	39	77	70	.247	.256	2.81	.80	5.1	4.5	5.6
May	28.993	29.399	28.588	55.3	60.6	66.4	51.0	58.7	87	34	50	54	83	79	.380	.428	6.74	1.90	6.0	6.2	6.2
June	29.148	29.433	28.877	65.3	70.8	75.7	61.1	68.4	93	47	56	59	78	68	.470	.523	1.48	.56	3.6	3.4	3.9
July	29.180	29.373	28.787	71.0	75.5	80.4	68.2	74.3	96	60	63	66	77	73	.587	.646	1.45	.52	4.5	4.6	4.5
August	29.151	29.367	28.903	69.4	75.3	79.7	67.0	73.4	96	58	59	61	70	64	.514	.562	6.35	4.34	3.6	4.0	3.6
September	29.195	29.398	28.887	65.4	73.1	77.9	63.2	70.6	92	36	58	62	78	70	.504	.568	2.09	1.33	2.7	2.1	2.8
October	29.233	29.642	28.772	50.7	57.6	62.0	48.3	55.2	82	34	43	47	76	70	.287	.327	.81	.36	4.3	3.7	4.4
November	29.126	29.575	28.591	39.4	45.0	50.5	36.5	43.5	66	25	34	38	82	77	.210	.241	2.67	1.06	6.2	4.5	5.5
December	29.147	29.695	28.604	28.5	33.4	37.9	24.7	31.3	53	10	22	26	76	73	.123	.144	1.18	.65	5.2	5.3	6.3
Year	29.135	29.795	28.355	48.1	53.4	58.7	44.7	51.7	96	− 2	41	44	78	72	.311	.344	34.83	4.34	4.9	4.5	5.1

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

CHARLOTTE, N. C.

[H=773 ft.; h_t=68 ft.; h_r=60 ft.; h_a=76 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Wind. By self-register. Prevailing direction.	Wind. By self-register. Maximum velocity.	Wind. By self-register. Direction at time of maximum velocity.	Wind. By self-register. Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	Precipitation. 0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	Maximum temp. 90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Electricity. Auroras.
	Miles.		*Mi.*																								
January	8.0	SW.	36	SW.	0	10	12	7	3	6	15	4	4	1	11	6	14	7	7	1	0	2	1	0	13	1	0
February	8.2	NE.	40	SW.	1	6	13	9	2	3	9	8	7	1	8	9	12	13	13	2	0	5	2	0	18	0	0
March	8.7	SW.	32	SW.	0	2	12	8	3	13	16	7	0	1	10	12	9	12	8	1	0	0	0	0	2	3	0
April	8.2	SW.	34	SW.	0	4	12	2	4	12	15	6	2	3	8	10	12	9	7	0	0	3	0	0	0	3	0
May	6.7	SW.	29	SW.	0	5	5	8	6	12	15	5	6	0	14	12	5	8	6	0	0	0	0	0	0	5	0
June	4.1	NE.	24	W.	0	5	17	11	3	7	10	7	0	0	8	15	7	9	9	0	1	0	0	5	0	7	0
July	5.7	NE.	26	SW.	0	4	15	9	5	8	11	8	1	1	8	13	10	14	11	0	0	0	0	7	0	14	0
August	5.2	NE.	30	N.	0	2	19	7	6	13	9	3	2	1	10	9	12	16	13	0	1	1	0	11	0	14	0
September	5.7	NE.	20	NE.	0	2	28	12	4	5	5	1	3	0	16	11	3	3	2	0	0	1	0	0	0	1	0
October	6.4	NE.	22	NE.	0	3	30	5	2	6	7	4	3	2	18	6	7	8	7	0	0	1	0	0	0	1	0
November	6.7	SW.	21	SW.	0	3	15	4	3	11	19	3	1	1	12	12	6	5	3	0	0	4	0	0	3	0	0
December	6.6	NE.	30	SW.	0	4	16	5	6	10	11	3	5	2	9	9	13	9	7	1	0	4	0	0	4	0	0
Year	6.7	NE.	40	SW.	1	50	194	87	47	106	142	59	34	13	132	124	110	113	93	5	2	21	3	23	40	49	0

CHATTANOOGA, TENN.

[H=762 ft.; h_t=106 ft.; h_r=98 ft.; h_a=112 ft.]

January	7.1	NW.	42	NW.	1	10	10	3	6	8	8	3	14	0	11	7	13	12	10	1	0	8	0	0	17	2	0
February	8.1	NW.	36	SE.	0	2	7	2	8	5	12	5	17	0	8	7	14	16	9	3	0	3	0	0	15	1	0
March	7.4	SW.	31	SW.	0	8	9	2	5	14	16	5	3	0	6	9	16	12	8	0	0	4	0	0	1	3	0
April	6.9	SW.	28	NW.	0	8	6	1	3	12	14	3	13	0	8	9	13	11	7	0	1	3	0	0	0	3	0
May	5.9	SW.	28	NW.	0	4	4	3	1	13	19	10	8	0	9	10	12	12	6	0	0	1	0	4	0	7	0
June	5.7	S.	28	NW.	0	11	4	2	9	11	6	9	8	0	4	19	7	7	5	0	0	0	0	5	0	10	0
July	5.4	NE.	39	NW.	0	10	13	0	5	6	11	5	12	0	6	18	7	11	6	0	0	1	0	10	0	18	0
August	4.4	SW.	31	NW.	0	11	7	2	4	9	11	11	7	0	8	13	10	13	12	0	0	4	0	8	0	13	0
September	4.0	N.	24	NW.	0	14	12	4	6	10	3	1	10	0	14	11	5	7	5	0	0	7	0	1	0	5	0
October	4.6	S.	21	NE.	0	11	8	5	1	15	10	4	8	0	19	5	7	5	4	0	0	11	0	0	0	0	0
November	6.3	SW.	24	NW.	0	6	10	0	10	9	17	4	4	0	12	8	10	8	6	2	0	4	0	0	3	2	0
December	6.6	NW.	36	NW.	0	7	6	3	3	12	11	7	13	0	9	4	18	13	10	0	0	4	0	0	5	0	0
Year	6.0	SW.	42	NW.	1	102	96	27	61	124	138	67	117	0	114	120	132	127	88	6	1	50	0	28	41	64	0

CHEYENNE, WYO.

[H=6,088 ft.; h_t=56 ft.; h_r=49 ft.; h_a=64 ft.]

January	13.6	NW.	50	NW.	6	7	1	0	0	3	10	17	24	0	13	12	6	6	5	6	0	0	5	0	31	0	0
February	10.6	NW.	42	NW.	2	10	3	0	1	4	5	4	30	1	10	14	5	7	2	6	0	0	4	0	29	0	0
March	12.2	NW.	48	W.	2	5	0	0	2	6	6	19	24	0	7	17	7	2	1	2	0	1	0	0	22	0	0
April	11.9	NW.	50	NW.	3	6	3	1	2	10	4	7	27	0	9	16	5	6	4	3	0	0	0	0	17	2	0
May	11.5	NW.	42	W.	1	6	2	1	11	13	3	6	18	2	8	15	8	14	12	3	2	2	1	0	7	9	0
June	9.3	S.	42	SW.	1	9	6	2	3	9	10	5	16	0	8	17	5	14	8	0	5	1	0	0	0	13	0
July	7.3	S.	34	NW.	0	8	7	1	7	9	7	8	15	0	9	20	2	17	10	0	4	0	0	0	0	15	0
August	7.5	S.	40	NW.	1	6	6	4	1	12	9	9	15	0	13	12	6	15	8	0	2	0	0	0	0	10	0
September	7.7	NW.	32	NW.	0	6	1	0	1	11	2	10	29	0	18	10	2	1	1	1	0	0	0	0	3	1	0
October	10.1	NW.	35	S.	0	10	2	1	2	4	9	13	20	1	10	15	6	5	5	3	0	0	1	0	14	1	0
November	8.6	NW.	35	NW.	0	7	4	0	1	2	6	13	27	0	16	8	6	7	6	7	0	0	7	0	27	0	0
December	11.9	W.	52	NW.	4	7	3	0	1	3	13	18	17	0	15	9	7	5	3	5	0	0	7	0	30	0	0
Year	10.2	NW.	52	NW.	20	87	38	10	32	86	84	129	262	4	136	165	65	99	65	36	13	4	25	0	180	51	0

CHICAGO, ILL.

[H=823 ft.; h_t=140 ft.; h_r=133 ft.; h_a=310 ft.]

January	17.4	SW.	44	NW.	2	4	3	2	2	4	16	15	16	0	11	10	10	7	4	6	0	0	10	0	28	0	0
February	18.5	NW.	54	W.	8	0	8	5	10	4	6	10	15	0	7	5	17	11	9	9	0	0	16	0	24	1	0
March	15.8	SW.	54	W.	3	3	8	8	3	5	11	18	6	0	8	7	16	11	9	0	1	1	0	0	15	5	0
April	17.3	SW.	52	W.	5	1	9	6	6	6	12	12	8	0	8	8	14	14	8	0	1	1	0	0	3	3	0
May	15.2	W.	68	W.	4	9	9	7	5	5	11	10	6	0	8	11	12	14	12	0	1	2	0	0	0	7	0
June	14.5	SW.	45	SW.	2	5	10	6	9	3	14	8	5	0	12	14	4	7	6	0	0	0	0	2	0	7	0
July	11.5	SW.	41	SW.	1	14	8	11	6	3	16	3	1	0	9	18	4	9	7	0	0	0	0	3	0	8	0
August	12.2	NE.	49	SW.	3	5	11	11	8	2	7	13	5	0	17	11	3	8	5	0	0	0	0	4	0	5	0
September	12.6	SW.	39	W.	0	3	4	8	8	11	9	12	5	0	21	6	3	7	5	0	0	1	0	4	0	3	2
October	14.3	SW.	36	SW.	0	9	5	4	6	12	17	4	5	0	14	10	7	6	5	0	0	1	0	0	0	0	0
November	16.0	W.	46	W.	4	1	3	3	4	8	18	17	6	0	9	10	11	8	7	2	0	1	0	0	9	2	0
December	16.2	W.	52	W.	1	4	1	3	5	4	14	22	9	0	9	6	16	7	6	4	0	0	6	0	25	0	0
Year	15.1	SW.	68	W.	33	58	79	74	72	67	151	144	87	0	133	116	117	109	83	21	3	6	33	13	104	41	2

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

CINCINNATI, OHIO.

[ϕ=39° 6′ N.; λ=84° 30′ W.]

Month.	Pressure.			Temperature.							Moisture.											
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.			Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.		8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	29.377	29.839	28.475	29.5	36.4	41.4	25.9	33.6	54	11	22	24	71	59	0.118	0.132	1.40	0.49		5.3	4.7	5.5
February	29.408	29.993	28.538	29.3	35.4	40.6	25.6	33.1	62	3	23	25	74	66	.133	.154	4.50	1.84		6.8	6.8	7.1
March	29.399	30.005	28.851	43.6	51.7	56.7	39.2	48.0	79	28	36	38	77	62	.228	.248	3.66	.87		6.5	5.9	7.0
April	29.311	29.720	28.794	49.6	59.3	65.1	44.8	55.0	83	28	41	42	72	56	.275	.293	4.07	.99		5.6	6.1	5.7
May	29.240	29.575	28.782	61.5	69.1	75.1	57.1	66.1	93	35	54	55	76	63	.437	.449	5.84	1.74		5.7	7.4	6.2
June	29.385	29.606	29.224	67.9	77.6	82.9	62.8	72.8	97	50	57	58	69	52	.486	.492	2.00	1.01		4.3	4.9	4.9
July	29.393	29.581	29.114	72.8	81.6	87.7	68.3	78.0	96	58	63	61	71	53	.576	.555	.83	.29		4.6	4.7	4.6
August	29.350	29.568	29.190	69.6	81.3	87.1	66.1	76.6	98	58	59	57	70	46	.515	.486	1.69	.84		3.7	5.1	4.1
September	29.417	29.642	29.139	62.9	78.5	85.7	60.1	72.9	94	39	52	50	68	37	.402	.368	.26	.26		1.6	1.5	2.3
October	29.471	29.811	29.162	48.4	61.8	69.4	46.2	57.8	85	33	40	39	73	46	.253	.251	.35	.29		2.7	3.0	3.3
November	29.413	29.833	29.001	41.9	50.8	56.6	38.1	47.4	70	22	32	32	69	49	.199	.194	1.09	.70		5.2	4.0	4.4
December	29.423	29.939	28.979	34.4	39.5	45.9	29.9	37.9	65	16	28	28	76	63	.160	.162	1.60	.57		6.0	4.8	6.1
Year	29.382	30.005	28.475	51.0	60.2	66.2	47.0	56.6	98	3	42	42	72	54	.315	.315	27.29	1.84		4.8	4.9	5.1

CLEVELAND, OHIO.

[ϕ=41° 30′ N.; λ=81° 42′ W.]

January	29.161	29.677	28.281	26.0	29.6	34.3	21.8	28.0	50	9	19	21	72	68	0.104	0.114	2.78	0.82		7.3	5.5	6.9
February	29.210	29.990	28.244	22.5	27.0	32.0	18.1	25.0	53	0	16	19	76	72	.102	.115	4.66	1.45		7.3	7.3	7.1
March	29.218	29.805	28.536	35.5	40.8	47.6	30.2	38.9	72	21	28	30	75	68	.163	.177	3.70	1.15		6.5	5.6	6.6
April	29.127	29.672	28.622	45.0	49.0	55.9	38.6	47.2	79	24	35	37	68	65	.223	.229	3.00	.85		5.6	6.2	5.9
May	29.087	29.471	28.670	57.4	62.2	68.5	52.3	60.4	88	36	50	50	76	66	.379	.387	2.38	.59		5.6	6.7	5.7
June	29.243	29.492	29.039	66.3	72.1	76.7	60.4	68.6	92	50	57	58	72	63	.475	.506	2.06	.91		4.5	3.6	3.3
July	29.250	29.424	28.872	69.9	74.9	78.6	64.6	71.6	91	54	61	62	75	65	.553	.560	2.15	.71		4.4	4.5	3.6
August	29.221	29.461	28.995	66.0	71.9	76.5	61.3	68.9	91	50	56	56	71	60	.459	.467	1.75	.55		3.8	3.9	3.5
September	29.280	29.508	28.855	61.3	70.6	76.3	57.3	66.8	89	36	51	52	69	54	.382	.410	.48	.34		1.5	1.6	2.5
October	29.327	29.684	29.024	49.6	57.3	62.9	46.7	54.8	81	36	41	43	72	62	.261	.288	1.07	.61		4.1	3.9	4.7
November	29.207	29.635	28.729	38.5	43.5	49.5	34.9	42.2	72	20	31	34	74	70	.187	.208	.82	.41		6.2	5.6	6.7
December	29.202	29.683	28.689	30.1	32.8	38.1	26.3	32.2	53	14	24	25	78	72	.136	.135	2.75	.99		7.1	8.0	7.8
Year	29.211	29.990	28.244	47.3	52.6	58.1	42.7	50.4	92	0	39	41	73	65	.285	.300	27.60	1.45		5.3	5.2	5.4

COLUMBIA, MO.

[φ=38° 57′ N.; λ=92° 20′ W.]

January	29.233	29.815	28.796	.....	34.5	42.2	21.7	32.0	58	5	....	28	....	76	.....	0.152	1.13	0.40	.....	3.5	4.0	
February	29.241	29.586	28.762	.....	35.1	42.2	24.0	33.1	71	2	....	28	....	76	.....	.160	4.06	1.11	.....	5.8	5.4	
March	29.190	29.798	28.732	.....	50.9	59.1	36.5	47.8	81	22	....	39	....	66	.....	.252	1.79	.84	.....	5.0	5.2	
April	29.127	29.491	28.390	.....	58.0	65.5	44.3	54.9	83	24	....	47	....	69	.....	.346	4.26	1.43	.....	5.9	6.0	
May	29.034	29.249	28.810	.....	68.2	75.6	55.1	65.4	88	33	....	58	....	72	.....	.509	6.17	1.07	.....	4.3	4.3	
June	29.168	29.433	28.924	.....	74.9	79.9	62.0	71.0	92	51	....	67	....	78	.....	.679	6.52	2.05	.....	3.6	5.2	
July	29.226	29.376	29.003	.....	78.3	86.4	64.5	75.4	94	53	....	69	....	74	.....	.715	2.97	1.55	.....	4.0	4.4	
August	29.179	29.273	28.958	.....	77.6	86.6	64.0	75.3	97	55	....	68	....	72	.....	.690	4.74	2.03	.....	4.1	4.1	
September	29.233	29.377	29.011	.....	71.4	82.6	57.6	70.1	93	33	....	62	....	73	.....	.575	2.99	2.15	.....	4.5	5.0	
October	29.248	29.527	28.923	.....	57.9	66.5	44.6	55.6	86	29	....	49	....	73	.....	.371	.91	.83	.....	4.2	4.4	
November	29.233	29.671	28.702	.....	48.0	56.4	34.6	45.5	78	15	....	38	....	69	.....	.247	3.80	1.10	.....	4.2	5.1	
December	29.263	29.792	28.873	.....	38.7	46.1	26.2	36.2	69	10	....	31	....	72	.....	.182	1.23	.91	.....	3.8	4.4	
Year	29.198	29.815	28.390	.....	57.8	65.8	44.6	55.2	97	2	....	49	....	72	.....	.406	40.57	2.15	.....	4.4	4.8	

COLUMBIA, S. C.

[ϕ=34° 00′ N.; λ=81° 3′ W.]

January	29.690	30.101	28.938	37.3	47.0	54.2	35.0	44.6	66	23	32	34	81	60	0.189	0.205	6.27	2.24	5.6	4.0	5.5	
February	29.758	30.351	29.085	37.0	46.5	52.7	34.2	43.4	69	20	31	31	79	57	.190	.197	3.74	1.58	4.2	4.7	5.7	
March	29.747	30.210	29.334	54.3	64.2	72.5	50.7	61.6	85	33	50	48	84	59	.368	.354	4.15	1.38	5.5	4.4	5.5	
April	29.625	29.926	29.213	61.4	68.7	77.3	56.1	66.7	90	36	54	52	79	59	.449	.416	3.24	.98	6.0	5.5	6.0	
May	29.597	29.868	29.254	66.7	74.2	83.5	61.5	72.5	93	40	59	56	78	57	.528	.480	2.93	.95	3.8	5.0	4.8	
June	29.675	29.862	29.467	71.8	77.4	86.7	66.6	76.6	96	61	66	64	81	65	.637	.603	4.21	2.17	5.6	5.1	5.5	
July	29.683	29.941	29.501	75.9	79.9	89.4	70.6	80.0	97	64	70	69	82	70	.735	.706	3.46	1.18	6.1	6.4	6.1	
August	29.634	29.847	29.427	73.3	78.4	88.3	69.6	79.0	96	59	69	68	86	71	.705	.679	7.65	3.15	5.8	7.0	6.5	
September	29.695	29.920	29.461	66.2	73.6	81.9	62.1	72.0	91	50	60	61	82	66	.535	.545	2.21	.98	4.2	3.8	4.6	
October	29.704	30.073	29.351	53.9	64.2	72.1	50.9	61.5	85	42	48	48	82	58	.348	.349	2.92	1.29	3.5	2.8	3.9	
November	29.756	30.028	29.316	48.2	58.6	66.9	46.8	56.8	80	30	42	44	81	60	.287	.309	1.30	1.11	3.3	2.3	4.6	
December	29.738	30.148	29.362	44.6	52.1	59.6	41.7	50.6	77	30	40	41	84	67	.262	.270	2.40	1.71	6.3	3.6	5.9	
Year	29.692	30.351	28.938	57.6	65.4	73.8	53.8	63.8	97	20	52	51	82	62	.436	.426	44.48	3.15	5.0	4.6	5.4	

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

CINCINNATI, OHIO.

[H=628 ft.; h_t=152 ft.; h_r=145 ft.; h_a=160 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	7.9	SW.	34	W.	0	3	5	9	11	1	15	6	12	0	11	7	13	9	6	2	0	0	4	0	25	0	0
February	10.0	W.	40	W.	1	0	8	8	11	0	13	13	5	0	7	5	17	12	9	8	0	0	7	0	23	1	0
March	7.1	SW.	36	W.	0	4	10	6	11	2	15	5	9	0	4	13	14	16	13	2	0	1	0	0	5	4	0
April	7.8	SW.	29	W.	0	4	4	5	13	1	19	7	7	0	10	7	13	14	13	1	0	1	0	0	2	2	0
May	6.8	SW.	39	W.	0	2	7	5	15	1	18	9	5	0	3	19	9	16	11	0	0	0	0	3	0	7	0
June	6.3	SE.	34	NW.	0	6	9	8	14	3	10	4	6	0	9	15	6	8	8	0	0	0	0	7	0	6	0
July	5.5	E.	28	NW.	0	9	5	13	12	1	9	7	6	0	15	8	8	9	6	0	0	1	0	10	0	10	0
August	5.4	NE.	32	NW.	0	9	19	6	8	0	10	6	4	0	13	15	3	6	3	0	0	1	0	11	0	3	0
September	4.7	SE.	25	W.	0	3	8	12	18	1	4	6	6	2	21	6	3	1	1	0	0	0	0	11	0	1	1
October	5.5	SE.	26	NW.	0	11	12	9	13	1	5	4	5	2	19	8	4	4	2	0	0	1	0	0	0	0	0
November	6.7	SW.	25	W.	0	5	7	8	12	0	16	5	7	0	14	9	7	7	6	0	0	0	0	0	10	0	0
December	7.4	SW.	24	W.	0	1	4	6	10	2	19	12	8	0	10	5	16	11	7	1	0	1	2	0	20	0	0
Year	6.8	SW.	40	W.	1	57	98	95	148	13	153	84	80	4	136	117	113	113	85	14	0	6	13	42	85	34	1

CLEVELAND, OHIO.

[H=762 ft.; h_t=190 ft.; h_r=163 ft.; h_a=201 ft.]

January	17.5	S.	56	NW.	8	3	2	1	12	12	14	8	10	0	3	12	16	16	11	13	0	0	13	0	30	0	0
February	18.3	SE.	60	W.	8	3	3	4	16	4	9	11	8	0	5	7	17	22	17	19	0	2	16	0	27	0	0
March	15.6	S.	56	S.	5	9	6	3	10	17	6	8	3	0	7	8	16	14	10	1	0	2	4	0	19	3	0
April	17.3	S.	54	W.	9	3	10	1	10	13	8	9	5	1	9	8	13	14	10	3	0	2	0	0	6	4	0
May	13.1	SE.	48	W.	5	3	11	2	19	9	7	8	3	0	10	10	11	22	12	1	0	0	0	0	0	8	0
June	13.4	SE.	52	SW.	5	6	11	2	11	14	3	7	6	0	17	11	2	8	6	0	0	0	0	1	0	8	0
July	11.5	SE.	44	W.	2	9	14	2	18	14	0	1	4	0	15	10	6	10	8	0	0	0	0	1	0	8	0
August	12.2	SE.	38	S.	0	9	13	3	16	8	5	3	5	0	17	11	3	9	7	0	0	0	0	1	0	7	0
September	12.0	SE.	42	S.	2	2	15	3	22	8	5	2	2	1	20	7	3	4	2	0	0	1	0	0	0	3	3
October	14.3	SE.	35	NW.	0	10	5	5	21	9	2	0	10	0	12	9	10	7	7	0	0	0	0	0	0	1	0
November	17.7	SE.	54	S.	5	2	1	1	18	12	14	5	7	0	3	14	13	11	6	5	0	0	1	0	12	0	0
December	17.8	SW.	48	W.	7	1	2	2	11	14	15	14	3	0	3	8	20	16	13	8	0	0	6	0	26	0	0
Year	15.1	SE.	60	W.	56	60	93	29	184	134	88	76	66	2	121	115	130	153	109	50	0	7	40	3	120	42	3

COLUMBIA, MO.

[H=784 ft.; h_t=11 ft.; h_r=3 ft.; h_a=84 ft.]

January	9.8	S.	35	NW.	0	5	1	2	3	7	3	1	9	0	16	7	8	4	4	3	0	0	5	0	28	0	0
February	12.2	NW.	40	SW.	1	0	3	7	2	2	3	4	8	0	12	6	11	13	13	7	0	1	4	0	21	0	0
March	9.4	S.	40	SW.	1	6	6	1	3	4	5	2	3	1	11	8	12	7	7	0	0	1	0	0	7	4	0
April	8.6	NW.	35	S.	0	1	4	2	5	4	5	6	3	0	8	7	15	11	10	0	0	0	0	0	4	6	0
May	9.0	S.	52	SW.	2	3	6	2	10	2	2	3	3	0	12	14	5	15	13	0	0	2	1	0	0	7	0
June	7.8	S.	42	E.	1	2	2	5	5	7	2	0	5	2	8	17	5	15	11	0	0	0	0	2	0	14	0
July	5.4	S.	32	SW.	0	4	3	5	1	4	4	3	7	0	11	15	5	8	6	0	0	0	0	11	0	8	0
August	5.8	NE.	27	NW.	0	1	12	1	4	3	4	1	5	0	12	13	6	8	8	0	0	0	0	12	0	8	0
September	5.9	SE.	27	W.	0	2	3	4	9	3	3	0	4	2	9	13	8	7	6	0	0	0	0	6	0	4	0
October	8.2	S.	24	S.	0	4	3	5	9	3	4	2	1	0	16	5	10	6	3	1	0	1	0	0	1	0	0
November	8.4	SW.	40	NW.	1	3	1	4	2	5	4	5	5	1	11	8	11	12	8	1	1	0	1	0	11	7	0
December	8.5	SW.	32	SW.	0	0	5	1	2	4	10	4	5	0	16	4	11	2	2	1	0	0	4	0	24	0	0
Year	8.2	NW.	52	SW.	6	31	49	39	55	48	49	31	58	6	142	117	107	108	91	13	3	4	14	31	96	58	0

COLUMBIA, S. C.

[H=351 ft.; h_t=41 ft.; h_r=32 ft.; h_a=57 ft.]

January	8.1	SW.	44	SW.	2	11	7	10	3	2	15	8	6	0	10	12	9	10	7	0	0	1	0	0	12	3	0
February	9.3	W.	40	W.	2	5	13	5	3	4	6	17	5	0	10	8	11	12	11	0	0	2	0	0	12	0	0
March	8.9	SW.	36	SW.	0	3	10	9	1	6	24	7	2	0	9	13	9	10	9	0	0	2	0	0	0	2	0
April	7.7	S.	37	SW.	0	4	8	6	5	12	9	11	5	0	6	14	10	13	12	0	0	2	0	0	0	5	0
May	7.1	SW.	32	SW.	0	2	9	2	4	13	20	8	3	1	10	15	6	10	9	0	0	0	0	6	0	7	0
June	5.7	NE.	30	W.	0	4	18	10	2	14	9	1	2	0	8	13	9	13	11	0	0	0	0	7	0	11	0
July	6.2	S.	30	NE.	0	8	11	9	5	12	7	7	2	1	7	15	9	10	8	0	0	0	0	17	0	11	0
August	5.9	S.	24	W.	0	4	14	3	6	20	10	1	4	0	5	11	15	9	9	0	0	1	0	16	0	10	0
September	6.5	NE.	25	SW.	0	8	27	11	4	2	3	2	2	1	11	11	8	6	6	0	0	1	0	2	0	4	1
October	6.7	NE.	21	NE.	0	20	24	1	1	4	5	2	4	1	18	6	7	8	7	0	0	1	0	0	0	0	0
November	6.4	NE.	26	SW.	0	5	16	5	2	7	14	7	3	1	9	15	6	2	2	0	0	0	0	1	0	0	0
December	6.9	SW.	30	W.	0	10	11	6	0	3	13	8	8	3	5	16	10	8	7	0	0	3	0	0	2	0	0
Year	7.1	NE.	44	SW.	4	84	168	77	36	99	135	79	46	8	108	149	109	111	98	0	0	22	0	48	27	53	1

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

COLUMBUS, OHIO.

[ϕ=39° 58′ N.; λ=83° 0′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.143	29.620	28.299	26.5	31.9	37.4	22.5	30.0	50	7	20	23	77	69	0.112	0.127	1.40	0.47	6.5	4.5	5.1
February	29.178	29.835	28.303	26.3	31.1	37.1	22.1	29.6	58	1	21	24	79	73	.125	.141	3.66	1.46	6.6	6.9	7.0
March	29.186	29.766	28.596	39.4	47.5	52.9	36.1	44.5	76	25	34	37	82	68	.207	.231	6.03	1.65	6.8	6.2	6.6
April	29.096	29.543	28.622	47.0	54.6	61.8	41.6	51.7	80	25	38	41	71	62	.245	.273	2.75	.63	5.1	5.5	5.4
May	29.040	29.380	28.594	59.8	66.1	73.4	54.7	64.0	91	34	53	54	78	67	.424	.436	4.04	1.07	5.6	6.1	6.0
June	29.194	29.407	29.015	66.5	74.2	81.5	59.7	70.6	94	47	56	57	70	57	.465	.480	2.13	1.33	4.5	3.2	3.8
July	29.204	29.375	28.915	70.5	77.7	85.9	65.2	75.6	96	54	63	62	77	61	.577	.573	3.74	2.07	4.4	6.0	4.8
August	29.166	29.408	28.984	66.5	75.7	83.5	61.9	72.7	95	55	58	58	74	58	.488	.503	2.34	1.11	2.5	3.9	3.3
September	29.229	29.462	28.829	61.0	75.1	83.4	57.3	70.4	93	37	50	48	69	40	.377	.348	.42	.38	1.8	2.2	2.5
October	29.274	29.618	28.968	47.2	58.4	66.5	44.6	55.6	84	28	39	40	75	54	.248	.257	1.20	.46	3.5	2.4	3.1
November	29.195	29.621	28.757	37.3	45.8	52.1	33.6	42.8	68	19	31	31	76	58	.183	.190	.84	.69	5.1	3.1	4.3
December	29.192	29.662	28.729	30.8	35.1	41.5	27.1	34.3	62	14	25	26	78	69	.141	.148	1.59	.64	6.2	5.6	6.2
Year	29.175	29.835	28.299	48.2	56.1	63.1	43.9	53.5	96	1	41	42	76	61	.299	.309	30.14	2.07	4.9	4.6	4.8

CONCORD, N. H.

[ϕ=43° 12′ N.; λ=71° 32′ W.]

January	29.595	30.201	28.719	20.4	.....	35.2	16.1	25.6	53	− 4	14	....	73	....	0.093	.....	2.07	0.82	4.2	.....	2.6
February	29.727	30.433	28.962	13.5	.....	29.3	10.2	19.8	55	−11	7	....	73	....	.071	.....	3.31	.74	3.7	.....	3.4
March	29.755	30.234	29.153	28.5	.....	43.0	23.9	33.4	60	4	23	....	78	....	.135	.....	1.68	.44	5.4	.....	5.5
April	29.568	30.164	29.110	38.9	.....	53.0	31.8	42.4	80	17	31	....	73	....	.189	.....	1.85	.45	3.8	.....	3.1
May	29.616	30.079	28.894	56.1	.....	68.4	46.1	57.2	89	35	49	....	79	....	.364	.....	4.25	1.15	5.9	.....	4.3
June	29.700	30.095	29.461	65.2	.....	79.6	52.5	66.0	90	36	56	....	74	....	.459	.....	.29	.17	2.4	.....	1.5
July	29.724	29.981	29.323	70.0	.....	83.3	59.9	71.6	95	43	63	....	80	....	.584	.....	2.07	.84	4.4	.....	2.3
August	29.712	30.038	29.476	63.3	.....	75.7	54.8	65.2	90	39	57	....	81	....	.481	.....	5.58	3.32	3.4	.....	3.3
September	29.793	30.164	29.539	55.3	.....	76.0	47.9	62.0	88	33	52	....	88	....	.392	.....	.45	.42	1.7	.....	2.8
October	29.839	30.285	29.155	42.6	.....	64.1	36.7	50.4	85	22	38	....	86	....	.249	.....	1.62	.49	3.5	.....	3.8
November	29.644	30.093	29.012	33.9	.....	45.4	29.8	37.6	63	16	27	....	76	....	.150	.....	.81	.30	4.5	.....	4.9
December	29.690	30.259	29.126	20.6	.....	33.5	16.0	24.8	61	− 6	15	....	78	....	.092	.....	2.27	1.45	4.9	.....	4.4
Year	29.697	30.433	28.719	42.4	.....	57.2	35.5	46.3	95	−11	36	....	78	....	.272	.....	26.25	3.32	4.0	.....	3.5

CONCORDIA, KANS.

[ϕ=39° 35′ N.; λ=97° 41′ W.]

January	28.608	29.196	28.151	27.4	36.1	45.8	23.4	34.6	59	7	22	26	77	66	0.117	0.142	0.01	0.01	3.2	2.8	4.0
February	28.583	28.997	28.035	26.7	37.5	43.3	24.9	34.1	64	1	22	29	82	72	.123	.165	1.03	.76	3.2	5.2	5.3
March	28.542	29.140	27.921	35.4	51.1	59.0	33.2	46.1	87	18	28	32	74	54	.156	.190	.15	.09	5.4	5.2	5.0
April	28.484	28.952	27.621	45.6	61.0	67.4	42.9	55.2	85	20	39	39	78	48	.257	.258	.86	.44	6.3	5.8	6.1
May	28.353	28.656	27.965	54.8	68.4	72.9	50.8	61.8	91	33	50	51	83	57	.378	.390	6.51	1.84	5.1	5.7	5.8
June	28.461	28.899	28.085	64.5	76.7	80.7	60.4	70.6	92	52	60	62	84	63	.518	.576	13.74	4.24	6.4	5.6	5.3
July	28.586	28.882	28.303	68.8	79.9	84.8	64.5	74.6	95	49	63	65	82	62	.583	.629	6.77	2.00	5.4	4.4	5.2
August	28.538	28.773	28.206	67.1	78.7	84.8	64.1	74.4	98	53	62	65	85	65	.569	.629	8.56	3.81	6.8	4.4	5.1
September	28.586	28.894	28.289	60.1	73.1	82.0	58.2	70.1	95	37	55	59	84	63	.452	.516	1.79	1.22	4.2	2.9	3.8
October	28.572	28.961	28.052	48.5	56.5	64.4	43.7	54.0	86	30	41	44	81	65	.269	.292	1.74	.81	6.2	4.3	5.1
November	28.602	29.167	27.963	34.2	46.2	55.4	31.9	43.6	77	17	29	35	82	67	.163	.212	.71	.55	4.1	3.5	4.3
December	28.619	29.195	28.185	27.3	36.5	44.9	24.9	34.9	62	6	22	28	80	70	.119	.152	.01	.01	3.8	3.5	4.0
Year	28.544	29.196	27.621	46.5	58.5	65.4	43.6	54.5	98	1	41	45	81	63	.309	.346	41.88	4.24	5.0	4.4	4.9

CORPUS CHRISTI, TEX.

[ϕ=27° 49′ N.; λ=97° 25′ W.]

January	30.102	30.437	29.721	54.2	60.8	66.7	51.7	59.2	81	35	48	49	81	70	0.375	0.401	0.40	0.15	5.1	5.0	5.9
February	30.104	30.562	29.674	54.7	61.8	67.2	52.2	59.7	79	38	47	50	77	67	.359	.389	1.09	.80	6.0	5.3	5.3
March	29.996	30.392	29.705	64.5	69.5	75.1	63.5	69.3	82	48	61	64	89	83	.560	.609	.53	.27	6.9	4.8	5.4
April	29.906	30.169	29.485	70.3	74.9	79.5	67.7	73.6	89	48	66	66	86	75	.650	.655	4.40	2.29	6.2	5.5	4.9
May	29.835	30.120	29.482	74.4	79.0	82.5	72.8	77.6	91	53	69	70	83	76	.729	.751	2.34	2.20	5.8	5.0	4.5
June	29.898	30.140	29.711	79.2	82.6	86.2	77.9	82.0	89	74	74	75	84	78	.834	.872	.54	.42	3.9	3.6	3.4
July	29.978	30.117	29.794	78.4	84.3	89.0	76.5	82.8	94	68	74	73	85	70	.827	.823	1.62	.88	3.3	5.0	4.0
August	29.936	30.054	29.813	78.4	84.1	89.0	77.1	83.0	95	70	75	74	88	73	.857	.845	1.55	1.18	3.3	4.5	3.6
September	29.943	30.247	29.734	73.4	79.8	85.1	71.7	78.4	92	53	69	70	87	72	.733	.748	2.44	.79	4.0	4.5	4.7
October	30.027	30.298	29.729	66.1	73.9	77.8	64.9	71.4	86	48	60	61	82	65	.548	.566	.42	.30	2.5	1.6	2.3
November	30.066	30.526	29.644	61.2	66.4	72.6	59.0	65.8	86	39	56	59	84	78	.482	.532	1.70	.92	5.5	3.5	4.7
December	30.102	30.434	29.760	55.9	61.4	66.6	54.0	60.3	81	40	51	54	86	79	.405	.443	1.97	.78	6.0	5.4	6.5
Year	29.991	30.562	29.482	67.6	73.2	78.1	65.8	71.9	95	35	62	64	84	74	.613	.636	19.00	2.29	4.9	4.5	4.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

COLUMBUS, OHIO.

[H=824 ft.; h_t=173 ft.; h_r=171 ft.; h_a= 222 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	14.0	NW.	53	W.	4	6	1	2	8	9	12	9	15	0	12	9	10	9	8	4	0	0	7	0	28	0	0
February	15.1	NW.	46	W.	3	0	4	4	14	5	6	11	14	0	6	8	15	14	8	9	0	2	10	0	24	1	0
March	13.3	SW.	70	W.	4	9	6	4	6	12	13	7	5	0	5	10	16	14	12	2	1	0	0	0	9	7	0
April	14.0	NW.	44	NW.	5	3	4	3	12	6	12	10	10	0	10	10	10	12	8	1	0	1	0	0	5	2	0
May	12.0	SW.	58	W.	3	1	4	7	7	15	14	8	6	0	8	10	13	16	14	0	0	0	0	2	0	7	0
June	10.5	SE.	59	NW.	3	4	7	12	12	7	7	5	6	0	13	14	3	10	6	0	0	0	0	2	0	6	0
July	8.8	SW.	53	E.	2	7	10	10	8	8	7	3	9	0	12	9	10	13	11	0	1	0	0	8	0	11	0
August	9.1	E.	44	W.	1	9	7	17	9	10	4	2	4	0	17	12	2	7	5	0	0	0	0	6	0	4	0
September	8.7	SE.	38	W.	0	4	6	9	18	6	5	5	7	0	20	7	3	2	2	0	0	0	0	9	0	1	2
October	10.4	SE.	32	NW.	0	4	9	9	16	5	6	0	13	0	19	8	4	7	7	0	0	0	0	0	1	0	0
November	12.0	SW.	44	S.	3	5	3	3	11	10	9	7	12	0	11	15	4	6	3	0	0	1	0	0	15	0	0
December	12.8	SW.	41	NW.	2	4	3	2	10	9	12	15	7	0	7	12	12	11	7	2	0	0	4	0	26	0	0
Year	11.7	SE.	70	W.	30	56	64	82	131	102	107	82	108	0	140	124	102	121	91	18	2	4	21	27	108	39	2

CONCORD, N. H.

[H=288 ft.; h_t=70 ft.; h_r=62 ft.; h_a=79 ft.]

January	7.6	NW.	40	NW.	1	4	3	2	6	0	4	2	10	0	24	3	4	9	8	5	1	0	12	0	30	0	0
February	6.6	NW.	28	SW.	0	5	4	3	2	2	0	5	7	1	20	1	8	11	9	8	0	0	19	0	26	0	0
March	6.4	NW.	29	SW.	0	4	1	2	5	2	3	4	10	0	11	9	11	14	10	9	0	0	7	0	24	1	1
April	8.2	NW.	36	W.	0	3	2	1	4	3	4	2	11	0	19	7	4	14	10	6	0	0	1	0	18	2	0
May	6.2	NW.	33	W.	0	5	1	6	4	4	4	2	5	0	15	8	8	13	11	0	0	1	0	0	0	4	0
June	5.1	NW.	22	NW.	0	5	4	3	1	2	6	2	7	0	25	5	0	3	2	0	0	1	0	0	1	3	0
July	4.7	SE.	23	NW.	0	5	7	1	5	1	3	3	6	0	23	6	2	9	5	0	0	1	0	6	0	4	0
August	4.2	NW.	27	W.	0	4	5	2	6	4	0	2	8	0	21	5	5	10	9	0	0	1	0	0	0	5	0
September	3.9	SE.	20	N.	0	4	8	5	5	1	1	1	5	0	20	8	2	4	1	0	0	5	0	0	0	0	1
October	3.9	NW.	24	NW.	0	9	6	1	1	1	0	1	8	4	18	5	8	6	6	0	0	4	0	0	10	0	0
November	5.4	W.	24	W.	0	5	1	3	1	1	3	10	4	2	15	4	11	9	7	4	0	4	0	0	19	0	0
December	5.4	NW.	28	W.	0	6	0	2	3	2	3	5	10	0	17	6	8	8	5	7	0	2	13	0	30	0	0
Year	5.6	NW.	40	NW.	1	59	42	31	43	23	31	39	91	7	228	67	71	110	83	39	1	19	52	7	157	19	2

CONCORDIA, KANS.

[H=1,398 ft.; h_t=42 ft.; h_r=35 ft.; h_a=50 ft.]

January	8.3	N.	29	N.	0	15	1	2	2	13	13	6	10	0	13	14	4	1	0	1	0	0	3	0	30	0	0
February	8.4	NW.	33	NW.	0	8	6	7	8	7	5	6	9	2	9	13	7	7	4	2	0	2	3	0	23	1	0
March	7.6	N.	35	SW.	0	14	13	4	3	10	8	3	5	2	6	22	3	3	2	0	0	1	0	0	14	1	0
April	8.8	S.	32	NW.	0	11	5	3	4	14	5	1	10	7	4	18	8	8	7	0	0	1	0	0	4	1	0
May	8.8	SE.	52	W.	1	9	5	9	10	11	2	10	6	0	6	16	9	17	15	0	3	0	0	1	0	13	0
June	9.0	SE.	36	NW.	0	5	4	10	19	13	2	6	1	0	6	20	4	17	16	0	2	0	0	3	0	15	0
July	6.1	SE.	23	S.	0	11	7	6	15	13	2	0	3	5	10	18	3	10	9	0	1	0	0	8	0	5	0
August	5.9	S.	36	SW.	0	5	7	5	17	16	1	0	3	8	6	25	0	17	14	0	0	0	0	8	0	13	0
September	6.3	S.	34	SW.	0	6	0	4	15	22	5	0	3	5	14	12	4	5	3	0	1	0	0	5	0	3	0
October	9.0	S.	28	S.	0	10	6	3	8	16	4	4	9	2	8	15	8	5	3	0	0	0	0	0	2	1	0
November	5.6	N.	23	N.	0	10	2	6	1	4	10	9	10	8	14	10	6	6	3	0	0	0	1	0	13	1	0
December	6.1	SW.	25	NW.	0	9	4	1	3	9	14	10	10	2	11	14	6	1	0	0	0	0	3	0	28	0	0
Year	7.5	S.	52	W.	1	113	60	60	105	148	71	55	79	41	107	197	62	97	76	3	7	7	10	25	114	54	0

CORPUS CHRISTI, TEX.

[H=20 ft.; h_t=69 ft.; h_r=61 ft.; h_a=77 ft.]

January	8.4	SE.	33	NW.	0	13	12	7	14	4	1	4	7	0	9	7	15	4	3	0	0	6	0	0	0	0	0
February	11.2	SE.	37	SE.	0	11	8	9	18	4	0	3	5	0	9	10	10	7	2	0	0	1	0	0	0	1	0
March	13.9	SE.	33	SE.	0	7	1	1	36	11	0	0	6	0	8	17	6	5	3	0	0	0	0	0	0	2	0
April	12.8	SE	42	E.	1	7	3	5	32	6	1	2	4	0	7	18	5	8	7	0	0	0	0	0	0	4	0
May	15.5	SE.	37	SE.	0	5	4	5	41	6	1	0	0	0	10	15	6	3	3	0	0	0	0	1	0	2	0
June	14.1	SE.	33	SE.	0	0	0	5	43	10	0	0	2	0	16	12	2	3	3	0	0	0	0	0	0	2	0
July	9.2	SE.	31	S.	0	1	2	4	34	15	3	3	0	0	13	14	4	8	5	0	0	0	0	8	0	11	0
August	9.7	SE.	31	SE.	0	3	0	6	31	21	1	0	0	0	15	14	2	8	6	0	0	0	0	7	0	8	0
September	7.6	SE.	31	N.	0	7	6	9	20	5	1	1	11	0	15	5	10	10	7	0	0	0	0	3	0	7	0
October	9.3	SE.	28	SE.	0	10	4	12	23	1	0	2	10	0	23	7	1	5	4	0	0	0	0	0	0	1	0
November	12.2	SE.	43	S.	1	13	5	5	16	13	1	1	6	0	12	9	9	6	5	0	0	0	0	0	0	2	0
December	10.3	N.	47	E.	1	19	7	7	8	8	2	3	7	1	6	10	15	7	5	0	0	5	0	0	0	1	0
Year	11.2	SE.	47	E.	3	96	52	75	316	104	11	19	58	1	143	138	85	74	53	0	0	12	0	19	0	41	0

aBy eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

DAVENPORT, IOWA.

[ϕ=41° 30′ N.; λ=90° 38′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.374	29.945	28.695	22.9	29.1	34.9	18.3	26.6	52	− 2	19	20	83	67	0.104	0.110	0.69	0.38	4.7	3.6	4.9
February	29.403	29.932	28.786	22.2	28.2	32.9	19.3	26.1	55	− 4	19	21	86	74	.109	.119	2.37	.82	5.5	5.4	5.4
March	29.367	29.950	28.684	35.3	43.2	48.5	32.0	40.2	71	19	29	31	78	64	.162	.176	2.24	.87	6.3	7.0	5.8
April	29.271	29.853	28.451	44.3	55.5	60.4	40.5	50.4	78	20	38	39	78	57	.242	.257	2.22	.73	5.0	5.5	5.1
May	29.205	29.602	28.831	56.1	65.1	69.9	52.5	61.2	87	30	50	53	80	67	.379	.429	5.13	1.38	6.2	7.3	6.4
June	29.336	29.628	29.027	64.1	73.7	78.3	59.4	68.8	90	46	56	61	77	66	.477	.547	4.57	2.66	5.4	4.7	5.0
July	29.384	29.594	29.014	68.7	79.2	84.7	65.5	75.1	94	57	63	64	83	62	.582	.613	3.30	1.23	5.4	5.1	4.6
August	29.355	29.568	29.088	65.4	76.8	82.3	62.1	72.2	95	51	59	60	81	59	.521	.540	6.23	3.53	4.2	4.6	4.0
September	29.402	29.621	29.143	60.4	72.5	80.4	58.4	69.4	90	32	54	57	81	60	.442	.503	1.12	1.08	2.3	2.3	2.3
October	29.422	29.838	28.945	46.0	56.6	63.6	43.7	53.6	81	30	39	40	79	57	.249	.264	.87	.70	4.3	3.4	4.0
November	29.358	29.830	28.762	35.6	43.7	50.7	32.4	41.6	68	18	31	32	83	63	.182	.188	2.46	.74	4.2	4.2	4.9
December	29.401	30.003	28.922	25.1	31.0	36.8	20.6	28.7	55	1	21	22	82	69	.113	.124	.40	.24	5.2	4.1	5.5
Year	29.356	30.003	28.451	45.5	54.6	60.3	42.1	51.2	95	− 4	40	42	81	64	.297	.322	31.60	3.53	4.9	4.8	4.8

DEL RIO, TEX.

[ϕ=29° 20′ N.; λ=100° 53′ W.]

January	29.125	29.526	28.812	44.6	.....	65.7	41.6	53.6	79	17	35	....	71	....	0.226	.....	0.50	0.29	4.8	.....	4.3
February	29.108	29.544	28.826	44.3	.....	66.1	41.9	54.0	79	24	35	....	71	....	.222	.....	.60	.56	4.0	.....	4.9
March	28.981	29.450	28.724	55.8	.....	80.6	53.7	67.2	100	38	52	....	86	....	.404	.....	.53	.20	5.4	.....	5.4
April	28.920	29.223	28.662	59.8	.....	80.4	57.5	69.0	94	38	55	....	86	....	.461	.....	2.82	2.03	5.5	.....	5.6
May	28.831	29.165	28.648	67.9	.....	90.0	66.3	78.2	102	46	60	....	79	....	.565	.....	3.47	2.27	4.3	.....	3.9
June	28.864	29.159	28.721	74.7	.....	95.0	73.9	84.4	101	68	70	....	84	....	.722	.....	.64	.64	4.4	.....	3.8
July	28.991	29.149	28.899	73.1	.....	93.9	71.7	82.8	100	68	68	....	84	....	.688	.....	2.45	.52	4.4	.....	4.9
August	28.949	29.111	28.875	72.0	.....	92.5	71.6	82.0	101	64	68	....	89	....	.697	.....	3.54	1.37	2.6	.....	3.4
September	28.982	29.281	28.796	65.5	.....	91.3	64.4	77.8	104	43	61	....	86	....	.561	.....	.23	.12	2.3	.....	3.3
October	29.030	29.288	28.714	56.1	.....	81.0	54.5	67.8	91	33	51	....	83	....	.408	.....	2.32	1.86	3.6	.....	3.0
November	29.079	29.502	28.731	47.3	.....	72.9	45.0	59.0	87	31	42	....	82	....	.281	.....	.69	.32	3.7	.....	4.3
December	29.117	29.483	28.801	45.8	.....	66.5	42.6	54.6	88	26	36	....	72	....	.235	.....	.23	.12	5.2	.....	6.1
Year	28.998	29.544	28.648	58.9	.....	81.3	57.1	69.2	104	17	53	....	81	....	.456	.....	18.02	2.27	4.2	.....	4.4

DENVER, COLO.

[ϕ=39° 45′ N.; λ=105° 0′ W.]

January	24.722	25.084	24.343	27.1	37.9	47.1	20.8	34.0	62	− 3	14	18	58	46	0.079	0.099	0.53	0.50	2.5	3.6	3.5
February	24.666	24.979	24.326	25.3	42.8	48.1	21.8	35.0	71	− 9	12	18	57	36	.074	.095	.04	.04	3.1	4.1	4.0
March	24.660	25.133	24.259	33.7	51.6	56.6	30.6	43.6	73	15	18	20	56	32	.099	.108	.11	.10	4.5	5.1	4.3
April	24.673	25.025	24.155	38.4	59.2	63.9	36.8	50.4	78	21	26	26	61	31	.136	.142	.39	.16	3.2	4.5	4.0
May	24.570	24.894	24.140	43.7	61.6	66.4	41.1	53.8	88	28	31	31	65	39	.180	.180	2.82	1.02	5.3	6.6	5.4
June	24.681	25.074	24.221	52.7	73.6	78.8	50.4	64.6	92	42	39	37	63	29	.245	.225	1.68	1.32	3.5	5.1	4.2
July	24.864	25.134	24.639	59.1	76.9	82.8	56.7	69.8	92	44	48	48	68	40	.335	.346	2.09	.74	4.1	6.4	4.4
August	24.812	25.046	24.516	58.6	74.4	80.8	56.7	68.8	92	49	49	51	73	51	.356	.393	3.19	.70	4.3	5.6	5.2
September	24.809	25.086	24.375	52.7	73.5	79.7	50.4	65.0	92	21	38	36	59	29	.236	.219	.80	.76	2.9	4.5	2.8
October	24.729	25.046	24.140	39.3	54.7	61.0	36.5	48.8	80	21	27	27	64	39	.147	.150	1.90	1.24	5.5	5.1	4.4
November	24.776	25.226	24.263	29.3	40.3	49.7	25.2	37.4	72	5	18	22	63	57	.095	.120	1.74	1.09	3.2	3.7	3.7
December	24.716	24.999	24.456	25.4	33.0	43.7	19.0	31.4	58	− 4	15	21	66	62	.083	.110	.63	.28	3.3	3.7	4.0
Year	24.723	25.226	24.140	40.4	56.6	63.2	37.2	50.2	92	− 9	28	30	63	41	.172	.182	15.92	1.32	3.8	4.8	4.2

DES MOINES, IOWA.

[ϕ=41° 35′ N.; λ=93° 37′ W.]

January	29.125	29.747	28.582	22.0	29.9	37.2	16.9	27.0	53	− 7	17	21	80	69	0.098	0.115	0.46	0.32	4.6	3.1	5.2
February	29.144	29.520	28.529	22.0	29.1	33.4	18.8	26.1	48	− 5	18	22	81	72	.103	.120	1.51	.78	5.4	4.5	6.1
March	29.104	29.653	28.528	32.5	43.1	49.3	30.3	39.8	80	15	27	30	79	63	.146	.172	1.43	.87	5.9	6.9	6.1
April	29.009	29.523	28.169	43.9	57.5	62.7	40.8	51.8	84	18	37	39	77	54	.236	.260	2.69	1.20	4.8	4.8	5.3
May	28.939	29.290	28.573	54.9	65.2	70.1	50.8	60.4	86	30	50	54	84	68	.381	.450	9.89	2.12	5.5	6.0	6.2
June	29.053	29.427	28.696	63.2	73.3	76.7	59.3	68.0	88	48	57	59	81	63	.481	.521	5.93	1.82	6.2	4.1	6.4
July	29.128	29.337	28.819	67.7	78.8	84.0	64.7	74.4	94	52	62	63	81	60	.558	.592	1.56	.70	5.7	4.5	5.5
August	29.094	29.316	28.806	64.7	77.0	81.3	61.6	71.4	95	52	59	61	81	59	.506	.548	6.54	4.33	5.5	2.7	5.5
September	29.130	29.408	28.892	59.2	72.9	80.0	56.7	68.4	92	30	54	58	83	60	.437	.504	.94	.89	2.0	1.8	3.7
October	29.130	29.510	28.619	45.3	56.0	62.7	43.1	52.9	84	31	39	41	78	61	.248	.273	3.68	1.37	4.6	3.9	5.3
November	29.100	29.592	28.445	34.9	43.5	51.3	31.7	41.5	73	14	29	33	80	68	.167	.197	.95	.68	5.1	3.2	5.9
December	29.136	29.735	28.713	25.7	32.5	38.5	20.7	29.6	54	− 7	21	25	79	74	.113	.134	.31	.29	4.7	4.2	5.2
Year	29.091	29.747	28.169	44.7	54.9	60.6	41.3	50.9	95	− 7	39	42	80	64	.290	.324	35.89	4.33	5.0	4.1	5.5

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

DAVENPORT, IOWA.

[H=606 ft.; h_t=71 ft.; h_r=65 ft.; h_a=79 ft.]

Month.	Wind.														Number of days.												
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	8.7	NW.	32	NW.	0	2	7	6	3	6	11	9	18	0	13	6	12	4	3	4	0	0	10	0	29	0	0
February	11.2	NW.	33	NW.	0	4	5	15	2	3	3	10	16	0	13	4	12	10	9	5	1	1	15	0	25	1	0
March	8.9	NW.	32	W.	0	4	5	10	1	5	9	11	17	0	11	6	14	12	8	1	1	0	0	0	17	3	0
April	9.7	NW.	30	W.	0	2	2	8	3	8	7	15	14	1	11	10	9	9	8	0	2	0	0	0	5	4	0
May	9.4	NW.	39	S.	0	4	6	11	10	4	8	7	12	0	7	10	14	17	13	0	1	0	0	0	1	9	0
June	8.3	E.	30	N.	0	1	1	13	7	10	11	3	13	1	11	11	8	12	7	0	0	0	0	0	0	8	0
July	5.8	SW.	31	SW.	0	5	8	15	2	8	15	2	7	0	13	13	5	8	8	0	0	0	0	5	0	9	0
August	5.2	SW.	26	NW.	0	7	8	11	4	6	6	10	9	1	16	9	6	9	9	0	0	1	0	7	0	7	0
September	5.7	SW.	26	NW.	0	3	7	6	5	10	9	6	7	7	22	6	2	2	2	0	0	0	0	2	1	1	2
October	7.5	S.	29	S.	0	5	6	8	10	9	9	5	9	1	17	6	8	7	4	0	0	1	0	0	1	0	0
November	7.5	W.	30	SW.	0	2	3	9	3	5	9	20	8	1	12	9	9	6	6	0	0	0	1	0	14	3	1
December	8.0	W.	28	NW.	0	2	4	6	0	9	11	18	12	0	11	6	14	5	3	3	0	0	7	0	28	0	0
Year	8.0	NW.	39	S.	0	41	62	118	50	83	108	116	142	12	157	96	113	101	80	13	5	3	33	14	121	45	3

DEL RIO, TEX.

[H=944 ft.; h_t=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	7.8	SE.	45	NW.	1	2	0	7	5	0	1	6	10	0	13	13	5	4	2	0	0	0	0	0	5	0	0
February	7.0	SE.	44	W.	1	0	2	6	7	1	1	5	7	0	11	10	8	4	1	0	0	1	0	0	3	0	0
March	6.9	SE.	42	W.	1	1	3	10	7	1	0	3	6	0	11	10	10	7	5	0	0	0	0	7	0	0	0
April	8.2	SE.	44	NW.	1	2	3	8	6	0	1	2	8	0	11	6	13	12	8	0	0	1	0	4	0	4	0
May	9.7	SE.	39	SE.	0	0	2	9	15	0	1	1	3	0	14	14	3	5	4	0	0	0	0	14	0	1	0
June	11.6	SE.	30	NE.	0	0	1	8	21	0	0	0	0	0	19	7	4	1	1	0	0	0	0	26	0	1	0
July	8.4	SE.	36	NE.	0	0	4	13	11	0	0	0	3	0	10	14	7	11	9	0	0	0	0	27	0	6	0
August	6.9	SE.	34	NE.	0	2	5	13	10	0	0	0	1	0	20	8	3	7	7	0	0	0	0	25	0	4	0
September	6.1	SE.	36	N.	0	3	6	13	5	0	2	0	1	0	19	8	3	3	3	0	0	0	0	20	0	3	0
October	8.9	SE.	37	E.	0	1	4	8	14	0	0	1	3	0	19	11	1	3	2	0	0	0	0	1	0	1	0
November	5.8	SE.	36	NW.	0	2	4	8	2	0	1	3	10	0	13	10	7	5	3	0	0	0	0	0	1	1	0
December	6.8	NW.	31	NW.	0	1	0	6	5	0	1	6	12	0	7	13	11	3	2	0	0	2	0	0	2	1	0
Year	7.8	E.	45	NW.	4	14	34	109	108	2	8	27	64	0	167	124	75	65	47	0	0	4	0	124	11	22	0

DENVER, COLO.

[H=5,291 ft.; h_t=129 ft.; h_r=119 ft.; h_a=136 ft.]

January	8.0	S.	52	N.	1	10	7	0	4	17	7	12	5	0	17	11	3	3	1	3	0	2	1	0	30	0	0
February	7.2	S.	34	N.	0	4	7	6	3	17	5	9	7	0	11	17	1	2	0	2	0	0	3	0	28	0	0
March	8.1	SW.	38	W.	0	5	14	6	2	11	9	7	8	0	11	18	2	2	1	2	0	0	0	0	20	0	0
April	8.0	S.	40	N.	1	6	12	2	2	13	12	1	12	0	13	16	1	6	3	4	0	0	0	0	10	2	0
May	8.6	N.	35	SW.	0	15	7	7	5	7	15	2	4	0	5	19	7	10	6	3	1	0	1	0	5	4	0
June	7.5	NE.	35	W.	0	9	12	4	4	11	11	1	8	0	11	17	2	7	4	0	3	0	0	1	0	10	0
July	7.1	SW.	46	NE.	2	10	9	2	3	11	16	6	5	0	11	19	1	10	7	0	1	0	0	7	0	9	0
August	6.3	SW.	34	W.	0	12	4	3	4	13	17	3	6	0	9	15	7	15	11	0	1	2	0	5	0	13	0
September	7.1	S.	39	N.	0	10	7	2	4	16	14	4	3	0	19	10	1	4	2	1	0	0	0	1	2	2	0
October	6.9	S.	31	N.	0	8	7	6	4	15	12	4	6	0	12	14	5	5	4	4	0	0	0	0	11	0	0
November	7.0	S.	28	NW.	0	11	7	6	2	16	14	4	0	0	18	7	5	8	6	8	0	0	5	0	18	0	0
December	7.0	SW.	49	W.	1	8	8	0	1	19	21	3	2	0	15	11	5	5	5	5	0	1	4	0	29	0	0
Year	7.4	S.	52	N.	5	108	101	44	38	166	153	56	66	0	152	174	40	77	50	32	6	5	14	14	153	40	*0

DES MOINES, IOWA.

[H=861 ft.; h_t=84 ft.; h_r=76 ft.; h_a=101 ft.]

January	9.8	SW.	32	SW.	0	5	2	2	5	5	19	3	21	0	10	13	8	3	3	3	0	1	9	0	31	0	0
February	10.9	NW.	30	N.	0	3	3	8	11	2	4	6	21	0	9	8	12	7	6	3	0	0	13	0	25	1	0
March	9.4	SW.	40	SW.	1	6	4	8	7	2	14	7	14	0	8	10	13	8	5	1	0	1	0	0	20	4	0
April	10.3	NW.	33	SW.	0	2	3	4	10	2	12	8	19	0	9	14	7	8	6	0	2	0	0	0	5	3	0
May	10.0	SE.	36	SE.	0	4	6	12	12	7	8	6	7	0	7	11	13	18	15	0	4	0	0	0	1	13	0
June	9.6	SE.	35	S.	0	6	2	5	17	11	6	2	11	0	4	16	10	15	11	0	0	0	0	0	0	9	0
July	6.7	SW.	33	SW.	0	6	8	3	9	8	19	2	7	0	5	21	5	8	5	0	0	0	0	6	0	9	0
August	6.3	SW.	26	SW.	0	9	8	1	13	7	13	5	6	0	8	17	6	12	11	0	0	0	0	5	0	9	0
September	6.7	S.	31	S.	0	1	1	5	12	15	12	3	9	2	17	9	4	3	3	0	0	0	0	2	1	2	2
October	9.6	SW.	38	SW.	0	9	2	4	9	12	8	6	12	0	12	10	9	9	9	0	0	0	0	0	2	2	0
November	7.8	W.	32	SW.	0	3	3	4	5	4	11	16	13	1	8	11	11	6	3	2	0	1	1	0	15	0	0
December	8.1	NW.	28	NW.	0	3	4	3	6	7	11	10	18	0	8	17	6	4	2	2	0	0	7	0	30	0	0
Year	8.8	SW.	40	SW.	1	57	46	59	116	82	137	74	158	3	105	157	104	101	79	11	6	3	30	13	130	52	2

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

DETROIT, MICH.

[ϕ=42° 20′ N.; λ=83° 03′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.185	29.721	28.368	23.1	27.1	32.4	19.4	25.9	45	2	20	22	84	81	0.107	0.121	2.84	1.81	5.7	5.6	6.2
February	29.234	30.020	28.384	19.0	23.3	27.9	15.7	21.8	49	— 2	16	20	89	85	.097	.112	4.95	1.45	5.5	6.4	6.8
March	29.233	29.833	28.570	32.2	37.4	44.1	28.1	36.1	74	17	28	31	84	77	.160	.174	2.46	.81	7.1	6.4	6.9
April	29.145	29.766	28.579	42.1	47.1	54.6	36.2	45.4	78	22	35	38	77	73	.218	.244	2.44	.48	5.1	5.8	6.6
May	29.112	29.537	28.704	55.1	60.8	68.2	50.1	59.2	85	31	51	57	87	87	.401	.488	3.57	.78	5.3	6.9	6.1
June	29.271	29.552	29.039	65.0	70.5	77.9	58.4	68.2	90	44	61	62	87	77	.551	.584	1.85	.80	3.9	5.1	4.7
July	29.284	29.466	28.850	68.9	75.9	81.7	63.8	72.8	94	50	60	60	75	59	.532	.527	1.83	.98	5.2	3.6	4.2
August	29.253	29.498	28.992	64.9	72.1	78.9	60.5	69.7	95	50	58	59	79	65	.494	.522	4.49	2.18	4.0	3.1	4.2
September	29.305	29.543	28.829	62.5	69.6	78.3	59.0	68.6	91	41	53	52	72	55	.415	.404	.56	.53	2.1	1.8	3.2
October	29.362	29.725	29.011	47.8	54.9	62.2	45.4	53.8	78	31	41	41	79	61	.267	.267	1.49	1.06	4.4	4.4	5.1
November	29.220	29.675	28.696	36.3	41.5	48.0	32.6	40.3	64	18	30	33	78	70	.179	.195	.73	.36	6.3	4.3	7.0
December	29.219	29.686	28.675	27.9	30.3	35.4	24.2	29.8	50	11	24	24	83	77	.128	.130	1.38	.53	6.9	6.6	7.7
Year	29.235	30.020	28.368	45.4	50.9	57.5	41.1	49.3	95	— 2	40	42	81	72	.296	.314	28.59	2.18	5.1	5.0	5.7

DEVILS LAKE, N. DAK.

[ϕ=48° 7′ N.; λ=98° 52′ W.]

January	28.332	28.954	27.861	7.8	15.5	24.8	1.0	12.9	51	—28	3	9	80	73	0.056	0.071	0.10	0.08	4.9	4.8	5.0
February	28.448	28.805	27.851	6.1	13.1	19.9	.3	10.1	42	—26	3	8	87	78	.061	.070	2.20	.80	6.2	5.5	5.2
March	28.399	28.848	27.798	10.1	18.4	26.6	3.9	15.2	48	—26	7	12	85	74	.064	.083	1.57	.39	5.7	7.1	5.9
April	28.293	28.953	27.524	32.5	47.1	54.7	28.2	41.4	85	— 4	26	32	76	59	.144	.186	.60	.34	4.5	4.7	4.6
May	28.344	28.690	27.921	42.5	56.8	61.2	37.9	49.6	78	18	36	40	80	58	.225	.256	1.71	.63	4.9	5.9	5.8
June	28.283	28.736	27.726	55.8	67.1	71.6	50.8	61.2	88	34	49	51	79	59	.360	.393	2.50	1.13	5.9	5.5	5.8
July	28.422	28.768	28.046	60.6	76.2	80.4	54.5	67.4	97	39	53	54	77	48	.409	.426	1.56	.64	4.0	4.1	5.0
August	28.384	28.646	28.004	54.2	70.8	75.7	49.0	62.4	90	32	48	48	80	48	.346	.351	1.70	.58	3.6	3.3	3.6
September	28.365	28.681	28.005	50.8	64.3	73.0	47.6	60.3	94	29	44	44	67	50	.295	.299	.40	.36	4.8	3.9	3.9
October	28.399	28.854	27.788	35.6	43.9	51.0	32.1	41.6	78	13	32	33	85	67	.181	.194	1.22	.54	6.4	5.9	6.3
November	28.342	29.040	27.887	25.8	30.0	38.4	20.4	29.4	64	—13	23	24	88	81	.125	.134	.66	.44	5.8	4.5	5.5
December	28.350	28.910	27.695	9.1	12.1	20.1	1.6	10.8	38	—24	7	10	93	93	.065	.073	.37	.20	3.9	4.7	5.5
Year	28.363	29.040	27.524	32.6	42.9	49.8	27.3	38.5	97	—28	28	30	81	66	.194	.211	14.59	1.13	5.0	5.0	5.2

DODGE, KANS.

[ϕ=37° 45′ N.; λ=100° 00′ W.]

January	27.448	27.948	27.039	26.6	37.9	49.9	23.1	36.5	68	2	17	20	64	48	0.095	0.108	0.04	0.02	1.7	1.9	2.6
February	27.395	27.793	26.824	27.7	42.0	50.3	25.4	37.8	74	— 1	23	26	81	55	.125	.144	.77	.41	4.3	4.2	4.6
March	27.366	27.938	26.852	34.1	54.7	63.8	31.1	47.4	87	15	26	28	73	39	.146	.162	.12	.09	4.1	3.4	4.5
April	27.344	27.749	26.642	44.9	61.4	68.1	42.0	55.0	87	20	38	40	77	48	.250	.263	1.35	.94	4.8	4.3	4.6
May	27.194	27.518	26.718	53.3	71.3	77.8	50.1	64.0	96	34	47	46	80	45	.335	.328	.90	.28	3.7	3.5	4.0
June	27.316	27.815	26.843	64.0	77.5	83.4	60.4	71.9	97	54	59	59	84	56	.508	.507	8.76	3.16	4.6	3.6	3.8
July	27.459	27.752	27.251	66.7	79.9	86.8	63.6	75.2	98	50	62	63	85	57	.557	.573	1.67	.50	4.1	3.4	4.1
August	27.393	27.644	27.057	66.0	81.8	88.5	63.6	76.0	98	54	61	60	84	49	.534	.513	1.51	.85	4.2	3.2	4.5
September	27.441	27.735	27.125	57.9	73.8	84.1	56.4	70.2	101	36	53	52	85	49	.417	.406	1.11	.60	2.6	2.4	2.3
October	27.410	27.772	26.948	44.7	58.1	67.4	42.3	54.8	90	26	37	40	77	54	.236	.255	1.17	.82	3.1	2.4	3.2
November	27.457	28.032	26.802	32.0	45.8	56.7	29.1	42.9	77	13	27	29	81	55	.146	.167	2.17	1.34	3.7	2.2	4.0
December	27.468	27.973	27.064	26.3	37.3	48.6	23.7	36.2	64	14	21	26	80	63	.115	.140	.04	.02	3.1	2.9	3.8
Year	27.391	28.032	26.642	45.4	60.1	68.8	42.6	55.7	101	— 1	39	41	79	51	.289	.297	19.61	3.16	3.7	3.1	3.8

DUBUQUE, IOWA.

[ϕ=42° 30′ N.; λ=90° 44′ W.]

January	29.287	29.836	28.636	21.3	27.1	33.3	16.3	24.8	50	— 6	17	19	82	68	0.097	0.103	0.70	0.65	4.7	4.1	5.1
February	29.324	29.887	28.756	19.6	26.9	31.8	16.2	24.0	52	— 8	16	20	84	74	.096	.111	1.87	.78	6.7	4.9	5.6
March	29.281	29.836	28.510	33.1	40.8	46.0	29.6	37.8	68	15	27	28	77	61	.148	.157	1.72	.74	6.3	6.5	5.9
April	29.189	29.817	28.366	42.9	52.9	59.0	38.7	48.8	79	19	35	36	75	55	.220	.226	2.50	.99	5.1	5.6	4.5
May	29.139	29.539	28.678	54.5	64.2	68.9	50.5	59.7	85	30	47	49	76	60	.346	.381	5.82	1.29	6.5	6.7	5.8
June	29.264	29.574	28.942	62.8	72.4	76.3	58.4	67.4	88	49	55	57	76	60	.454	.493	2.21	.65	5.3	5.2	5.0
July	29.314	29.518	28.932	67.4	78.4	83.1	63.6	73.4	96	53	62	62	82	60	.559	.577	2.06	1.22	5.2	5.5	4.8
August	29.284	29.527	29.032	63.0	74.7	80.1	59.0	69.6	96	46	58	60	84	61	.493	.527	2.92	1.22	3.5	4.0	4.1
September	29.319	29.564	29.041	59.1	71.5	79.6	56.6	68.1	91	30	54	57	85	61	.438	.495	1.14	1.05	3.1	3.3	3.7
October	29.344	29.757	28.870	44.7	54.7	61.1	42.3	51.7	79	26	39	40	80	60	.245	.264	1.20	.54	4.0	3.9	4.8
November	29.268	29.730	28.640	32.6	41.8	48.6	29.0	38.8	64	11	29	31	85	66	.166	.179	1.34	.47	5.2	4.7	5.6
December	29.307	29.876	28.797	23.1	28.1	33.7	17.8	25.8	51	1	19	21	82	72	.104	.116	.63	.39	5.5	5.8	5.8
Year	29.277	29.887	28.366	43.7	52.8	58.5	39.8	49.2	96	— 8	38	40	81	63	.280	.302	24.11	1.29	5.1	5.0	5.1

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

DETROIT, MICH.

[H=730 ft.; h_t=218 ft.; h_r=214 ft.; h_a=258 ft.]

Month.	Wind.														Number of days.											
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.[a]	maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below	Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	16.2	SW.	40	SW.	1	2	2	2	4	8	18	10	16	0	8	8	15	7	6	6	0	0	13	0	30	0	0
February	17.2	W.	58	SW.	4	5	2	15	1	5	7	14	8	1	6	6	17	13	11	12	0	2	20	0	28	0	0
March	15.1	SW.	54	SW.	3	6	4	7	5	9	12	8	10	1	6	9	16	10	9	3	0	2	5	0	20	4	0
April	17.0	SW.	54	W.	6	4	4	7	3	9	13	12	8	0	7	6	17	13	9	2	0	2	0	0	9	6	0
May	13.7	E.	54	SW.	4	2	7	17	7	9	6	9	5	0	8	9	14	16	14	1	0	1	0	0	1	10	0
June	12.5	S.	52	W.	3	5	6	10	2	14	9	7	7	0	13	8	9	8	7	0	3	0	0	1	0	5	0
July	11.3	E.	46	W.	1	7	12	6	4	13	6	6	8	0	14	14	3	10	5	0	0	0	0	2	0	7	0
August	11.6	S.	44	SW.	1	9	9	4	7	10	9	7	7	0	14	13	4	10	8	0	0	0	0	2	0	4	0
September	12.2	S.	42	W.	1	2	11	4	6	14	12	7	4	0	23	3	4	2	1	0	0	1	0	1	0	0	0
October	12.4	S.	34	S.	0	4	4	5	10	12	10	10	7	0	13	6	12	6	5	0	1	5	0	0	1	1	0
November	15.9	SW.	52	SW.	2	1	1	0	4	15	15	18	6	0	6	6	18	11	4	3	0	4	1	0	15	2	0
December	16.8	W.	46	W.	3	0	2	5	6	7	13	21	8	0	2	12	17	14	9	10	0	1	6	0	28	0	0
Year	14.3	SW.	58	SW.	29	47	64	82	59	125	130	129	94	2	120	100	146	120	88	37	4	18	45	6	132	39	0

DEVILS LAKE, N. DAK.

[H=1,482 ft.; h_t=11 ft.; h_r=4 ft.; h_a=44 ft.]

January	10.8	W.	40	NW.	1	6	2	2	7	7	9	18	10	1	10	14	7	2	1	2	0	1	22	0	31	0	4
February	12.4	W.	36	NW.	0	6	4	7	8	5	7	12	9	0	12	7	10	9	7	7	0	0	24	0	29	0	0
March	12.8	NE.	48	W.	2	5	12	3	8	5	8	11	10	0	10	6	15	13	10	13	0	1	20	0	31	0	4
April	15.4	NW.	47	NW.	4	6	6	7	6	4	8	10	13	0	14	8	8	5	3	1	0	1	5	0	19	0	1
May	12.5	NE.	54	NE.	1	9	14	15	5	6	2	7	3	1	10	6	15	9	7	1	0	1	0	0	5	4	3
June	13.3	SE.	40	W.	1	8	2	3	14	10	4	11	8	0	6	13	11	12	7	0	0	0	0	0	0	7	0
July	9.6	NW.	32	NW.	0	5	3	6	11	10	7	6	14	0	12	9	10	11	8	0	0	2	0	4	0	8	1
August	11.0	W.	48	NE.	2	8	3	8	10	4	6	14	9	0	16	11	4	8	7	0	0	2	0	1	0	9	4
September	12.8	NW.	40	NE.	2	5	8	2	9	11	4	10	11	0	17	6	7	5	1	0	0	0	0	2	3	2	0
October	13.5	SE.	40	SE.	1	10	4	4	10	8	8	10	8	0	8	9	14	6	5	2	0	0	2	0	15	0	0
November	13.1	W.	48	NW.	2	3	6	1	2	4	12	17	15	0	13	3	14	6	2	6	0	2	14	0	27	0	4
December	11.8	W.	44	NW.	2	3	4	3	8	4	14	19	7	0	9	11	11	8	3	8	0	0	27	0	31	0	1
Year	12.4	W.	54	NE.	18	74	68	61	98	78	89	145	117	2	137	103	126	94	61	40	0	10	114	7	191	30	22

DODGE, KANS.

[H=2,509 ft.; h_t=44 ft.; h_r=36 ft.; h_a=54 ft.]

January	10.8	NW.	45	NW.	1	7	1	5	11	2	6	9	21	0	22	7	2	2	0	2	0	0	1	0	30	0	0
February	11.7	NW.	48	NW.	1	6	2	4	14	3	0	13	16	0	14	11	4	8	4	3	0	0	1	0	24	0	0
March	9.7	N.	47	SE.	2	17	5	6	8	6	4	12	4	0	12	14	5	3	1	1	0	2	0	0	17	0	0
April	11.2	SE.	48	W.	1	8	5	5	16	2	4	5	12	0	11	15	4	5	4	0	0	1	0	0	5	4	0
May	12.7	SE.	52	NW.	3	3	4	12	23	5	1	5	9	0	17	9	5	12	7	0	1	1	0	3	0	7	0
June	14.3	SE.	41	SE.	1	6	4	10	32	3	1	0	4	0	14	14	2	13	13	0	3	0	0	7	0	12	0
July	8.4	SE.	29	SE.	0	9	6	10	28	3	2	1	2	1	14	15	2	9	8	0	0	2	0	12	0	7	0
August	9.1	SE.	33	SE.	0	5	8	8	29	4	1	2	5	0	12	13	6	7	4	0	0	1	0	21	0	3	0
September	9.0	SE.	33	SE.	0	2	2	12	31	2	2	3	5	1	22	4	4	6	4	0	0	2	0	8	0	2	0
October	11.9	SE.	41	E.	2	12	2	3	21	5	1	9	9	0	19	10	2	4	2	0	1	2	0	1	4	3	0
November	7.7	W.	28	NW.	0	5	9	4	3	2	6	17	14	0	17	5	8	8	7	4	0	0	2	0	21	0	0
December	8.0	NW.	36	NW.	0	6	3	6	9	3	5	18	12	0	19	5	7	3	0	1	0	0	3	0	29	0	0
Year	10.4	SE.	52	NW.	11	86	51	85	228	40	33	94	113	2	193	122	51	80	54	12	5	11	7	52	130	38	0

DUBUQUE, IOWA.

[H=698 ft.; h_t=100 ft.; h_r=95 ft.; h_a=115 ft.]

January	8.3	NW.	30	NW.	0	5	1	1	10	10	7	5	23	0	13	7	11	3	1	3	0	0	15	0	30	0	0
February	9.1	NW.	28	N.	0	4	5	3	14	1	5	1	24	1	11	5	13	8	7	4	0	1	16	0	26	1	0
March	8.0	NW.	34	SW.	0	5	5	4	6	6	11	7	18	0	11	8	12	8	5	0	1	1	0	0	21	1	0
April	8.1	NW.	30	NW.	0	1	6	0	18	3	7	8	16	1	12	9	9	12	12	1	0	1	1	0	7	3	0
May	6.8	SE.	31	N.	0	5	11	2	19	0	9	2	12	2	8	10	13	14	13	0	2	0	0	0	2	7	1
June	6.6	SE.	42	N.	1	1	5	3	22	9	4	1	15	0	9	12	9	15	9	0	0	0	0	0	0	10	0
July	4.4	SE.	24	N.	0	6	5	1	13	9	4	1	21	2	11	15	5	9	6	0	0	1	0	3	0	8	0
August	3.8	SE.	20	NW.	0	3	4	0	16	7	7	2	19	4	13	12	6	7	6	0	1	2	0	3	0	4	0
September	4.8	SE.	24	NW.	0	1	2	1	19	8	7	2	13	7	17	9	4	3	2	0	0	2	0	2	1	3	1
October	5.8	SE.	24	SE.	0	1	5	2	24	6	7	2	13	2	16	4	11	7	5	0	0	1	0	0	3	1	0
November	5.3	SW.	27	SW.	0	1	1	2	9	9	16	7	9	6	12	9	9	7	7	0	0	3	2	0	20	2	0
December	6.7	NW.	25	NW.	0	3	1	3	5	13	11	7	17	2	11	6	14	6	4	4	0	0	12	0	29	0	0
Year	6.5	NW.	42	N.	1	36	51	22	175	81	95	45	200	27	144	106	116	99	77	12	4	12	46	8	139	40	2

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

DULUTH, MINN.

[ϕ=46° 47′ N.; λ=92° 6′ W.]

Month.	Pressure.			Temperature.							Moisture.								Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.				
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	28.701	29.314	28.225	10.2	17.1	24.7	5.1	14.9	46	−29	7	10	86	73	0.065	0.074	0.33	0.13	4.0	3.7	4.1
February	28.791	29.436	28.235	11.5	18.9	23.6	8.9	16.2	41	−12	8	11	85	71	.068	.080	1.14	.59	6.7	5.6	5.8
March	28.747	29.266	28.210	17.7	26.6	31.7	14.7	23.2	55	− 6	14	17	85	68	.088	.100	1.54	.48	5.9	6.0	6.2
April	28.653	29.356	27.776	34.2	40.3	48.2	29.4	38.8	82	10	26	26	74	61	.149	.147	2.07	1.21	5.6	4.9	5.5
May	28.710	29.100	28.166	45.6	49.6	56.2	39.0	47.6	81	26	37	36	74	65	.226	.225	5.73	1.38	5.9	5.0	6.0
June	28.731	29.130	28.293	54.5	59.1	65.4	47.9	56.6	80	39	50	52	86	79	.371	.393	4.48	1.69	5.3	5.7	6.2
July	28.831	29.111	28.428	60.7	66.6	72.6	54.6	63.6	92	44	56	57	85	74	.454	.476	5.34	1.58	3.4	4.3	4.7
August	28.780	29.063	28.551	57.6	63.8	70.8	53.4	62.1	83	43	54	55	87	74	.417	.441	2.10	.92	4.2	4.4	4.9
September	28.777	29.071	28.475	55.0	61.3	70.1	50.6	60.4	88	28	50	50	83	71	.368	.381	3.55	1.90	4.7	4.3	5.3
October	28.813	29.193	28.300	41.3	46.7	53.4	38.2	45.8	79	21	37	42	85	84	.228	.277	2.97	1.11	5.2	5.5	5.5
November	28.661	29.180	28.025	29.2	32.6	39.6	25.3	32.4	56	− 1	26	28	88	82	.145	.158	1.32	.67	6.6	5.6	6.1
December	28.707	29.183	28.162	13.1	17.3	23.4	8.5	16.0	42	−15	10	13	87	82	.072	.084	.48	.24	7.2	6.0	6.1
Year	28.742	29.436	27.776	35.9	41.7	48.3	31.3	39.8	92	−29	31	33	84	74	.221	.236	31.05	1.90	5.4	5.1	5.5

DURANGO, COLO.

[ϕ=37° 16′ N.; λ=107° 52′ W.]

January	23.693	23.921	23.322	16.8	31.2	38.5	13.8	26.2	46	− 1	11	21	77	64	0.072	0.112	1.48	0.50	3.6	3.3	4.1
February	23.613	23.895	23.266	19.5	35.8	40.7	16.1	28.4	53	− 5	14	22	79	58	.089	.119	3.98	1.42	5.2	5.6	5.5
March	23.636	24.036	23.346	26.9	48.2	53.0	24.9	39.0	68	13	19	17	72	30	.106	.095	1.15	.62	3.6	5.3	4.7
April	23.600	23.842	23.346	33.9	55.7	61.0	32.0	46.5	73	22	26	24	71	32	.140	.131	1.90	.77	3.1	5.3	4.5
May	23.521	23.842	23.164	34.7	60.0	63.8	33.4	48.6	76	25	25	21	66	26	.135	.113	1.68	.54	2.8	4.9	4.4
June	23.650	23.997	23.330	42.2	74.4	77.4	40.8	59.1	84	30	29	23	58	16	.158	.128	.24	.15	2.7	3.2	3.1
July	23.784	23.976	23.633	51.7	74.8	83.5	51.3	67.4	88	45	44	47	75	41	.290	.329	2.39	1.12	3.1	7.5	6.1
August	23.760	23.917	23.582	52.1	72.7	78.5	51.2	64.8	89	43	47	49	83	46	.326	.350	3.99	1.04	5.4	5.7	5.9
September	23.774	23.980	23.432	42.5	69.9	75.4	41.1	58.2	87	21	35	34	75	29	.209	.203	.77	.51	2.6	3.5	3.1
October	23.669	23.986	23.214	31.6	51.3	59.4	28.8	44.1	77	15	23	24	70	38	.121	.128	1.65	.56	4.4	3.1	3.6
November	23.683	23.976	23.134	22.5	40.4	51.2	20.0	35.6	67	5	15	22	72	50	.085	.116	1.13	.66	2.1	3.1	3.5
December	23.690	24.017	23.387	14.3	29.3	38.0	11.3	24.6	46	− 3	10	21	81	70	.072	.113	3.64	1.47	2.8	4.4	4.0
Year	23.673	24.036	23.134	32.4	53.6	60.0	30.4	45.2	89	− 5	25	27	73	42	.150	.161	24.00	1.47	3.4	4.6	4.4

EASTPORT, ME.

[ϕ=44° 54′ N.; λ=66° 59′ W.]

January	29.770	30.382	28.944	21.8	24.8	31.7	14.1	22.9	52	−11	15	18	73	72	0.104	0.112	4.17	1.92	6.6	4.0	7.7
February	29.905	30.632	29.018	17.1	22.5	29.5	11.7	20.6	48	−10	11	16	74	74	.086	.104	3.71	1.01	6.6	4.2	6.8
March	29.945	30.361	29.276	26.7	30.7	35.8	21.6	28.7	50	− 1	21	25	78	79	.124	.141	3.96	1.15	6.6	5.5	6.4
April	29.712	30.351	29.008	33.7	37.1	45.1	28.9	37.0	65	11	27	30	75	74	.157	.170	2.64	1.23	4.2	3.6	5.9
May	29.865	30.440	29.245	46.5	48.1	56.2	41.6	48.9	76	36	41	42	82	82	.259	.277	2.58	.76	6.5	4.5	6.7
June	29.884	30.273	29.557	56.4	55.6	66.4	47.6	57.0	85	37	49	48	78	77	.358	.341	1.01	.71	5.8	4.1	5.2
July	29.918	30.260	29.540	61.6	61.2	71.4	53.5	62.4	86	49	54	54	78	79	.428	.423	1.95	.66	4.6	4.5	5.7
August	29.919	30.243	29.482	59.2	59.7	68.8	52.9	60.8	82	48	53	52	80	78	.404	.400	3.32	.84	4.7	3.8	5.9
September	29.969	30.334	29.543	56.2	57.2	66.9	50.3	58.6	85	41	49	48	77	73	.351	.336	1.60	1.09	3.5	2.1	5.1
October	30.012	30.459	29.188	47.5	50.7	58.1	43.4	50.8	75	30	42	42	80	74	.272	.281	4.09	1.85	3.9	3.3	5.5
November	29.793	30.373	29.276	36.6	38.0	43.5	33.4	38.4	56	22	31	32	78	78	.177	.184	1.52	.47	6.2	6.4	8.3
December	29.854	30.531	28.970	21.4	25.5	32.7	15.7	24.2	52	− 1	16	20	79	78	.105	.118	5.01	1.33	6.6	5.4	8.5
Year	29.879	30.632	28.944	40.4	42.6	50.5	34.6	42.5	86	−11	34	36	78	76	.235	.241	35.56	1.92	5.5	4.3	6.5

ELKINS, W. VA.

[ϕ=38° 53′ N.; λ=79° 49′ W.]

January	27.941	28.347	27.047	23.1	28.9	39.0	17.2	28.1	55	− 8	19	23	83	78	0.107	0.126	4.02	1.42	6.7	5.2	6.2
February	27.984	28.587	27.159	24.7	29.2	37.1	19.5	28.3	64	1	20	22	82	73	.121	.128	3.22	1.01	8.3	8.0	7.3
March	28.023	28.532	27.578	42.1	47.2	58.4	35.2	46.8	80	20	36	38	82	71	.228	.236	5.58	.84	7.9	5.7	6.3
April	27.933	28.270	27.533	46.6	54.9	64.5	39.7	52.1	86	23	40	41	79	61	.263	.277	4.95	1.07	6.0	5.7	5.3
May	27.931	28.241	27.540	56.5	61.3	71.9	50.9	61.4	88	33	53	54	87	78	.423	.445	8.42	1.27	6.1	7.1	6.1
June	28.080	28.252	27.881	61.7	68.9	78.7	54.8	66.8	88	45	57	60	86	74	.481	.523	2.77	1.03	4.1	6.1	5.7
July	28.094	28.272	27.856	65.6	70.8	83.5	59.8	71.6	88	49	62	64	87	80	.550	.599	7.88	1.57	3.4	6.4	4.3
August	28.050	28.292	27.837	61.1	68.0	79.5	56.1	67.8	92	44	58	62	90	80	.488	.553	2.60	.77	5.1	5.1	5.4
September	28.117	28.360	27.781	50.7	63.0	80.2	46.4	63.3	92	31	49	55	93	75	.355	.442	.88	.43	1.8	2.9	3.9
October	28.110	28.451	27.823	41.2	52.0	66.6	38.3	52.4	81	23	39	44	92	74	.250	.203	.33	.28	3.2	2.6	5.2
November	28.032	28.378	27.590	33.8	42.3	54.9	28.4	41.6	74	10	29	34	84	70	.168	.205	.77	.36	3.3	3.0	4.0
December	28.004	28.435	27.562	31.8	34.2	43.6	25.6	34.6	64	8	28	28	86	80	.162	.160	2.83	.76	7.5	5.6	7.1
Year	28.025	28.587	27.047	44.9	51.8	63.2	39.3	51.2	92	− 8	41	44	86	74	.300	.332	44.25	1.57	5.3	5.3	5.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

DULUTH, MINN.

[H=1,133 ft.; h_t=11 ft.; h_r=3 ft.; h_a=47 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	13.9	SW.	48	NW.	7	4	3	1	1	3	23	9	18	0	16	9	6	6	4	6	0	0	24	0	31	0	0
February	14.5	NW.	54	NW.	4	2	9	5	3	1	9	10	19	0	10	6	13	7	5	6	0	2	23	0	28	0	0
March	14.5	SW.	47	SW.	5	1	19	4	0	1	18	10	9	0	5	13	13	12	11	12	0	1	16	0	30	0	1
April	16.3	NE.	55	NW.	7	4	19	5	0	1	8	9	14	0	9	13	8	8	8	5	0	3	3	0	19	0	0
May	15.8	NE.	51	NE.	7	1	38	1	2	0	4	7	9	0	8	10	13	13	12	6	0	7	0	0	4	5	1
June	9.5	NE.	37	NW.	0	2	25	0	4	0	11	9	9	0	7	11	12	13	9	0	0	7	0	0	0	9	0
July	10.7	NE.	47	W.	2	4	21	2	0	0	10	7	18	0	14	12	5	11	9	0	0	10	0	1	0	7	0
August	11.8	NE.	45	NW.	1	3	18	2	2	0	8	16	12	1	8	19	4	8	5	0	0	3	0	0	0	3	2
September	12.8	NE.	49	SW.	1	1	20	1	2	2	12	12	10	0	7	17	6	5	4	1	0	2	0	0	3	6	2
October	14.9	SW.	43	NE.	1	2	16	0	3	4	13	7	17	0	7	16	8	8	6	0	0	3	0	0	9	0	1
November	15.5	W.	60	W.	6	3	5	2	1	1	14	27	7	0	6	13	11	6	6	2	0	3	8	0	23	0	2
December	13.1	W.	47	W.	2	1	3	1	1	0	11	28	17	0	8	9	14	7	3	7	0	0	26	0	31	0	0
Year	13.6	NE.	60	W.	43	28	196	24	19	13	141	151	159	1	105	148	113	104	82	39	0	41	100	1	178	30	9

DURANGO, COLO.

[H=6, 46 ft.; h_t=18 ft.; h_r=3 ft.; h_a=56 ft.]

January	5.3	NW.	30	NW.	0	5	0	0	2	9	2	18	26	0	15	9	7	9	8	9	0	0	2	0	31	0	0
February	5.1	NW.	26	S.	0	7	7	0	2	10	3	8	21	0	8	12	9	13	10	13	0	0	2	0	29	1	0
March	6.0	NW.	32	W.	0	2	3	1	2	7	4	15	28	0	10	16	5	5	3	4	0	0	0	0	26	0	0
April	7.1	NW.	32	W.	0	7	4	3	2	1	4	12	27	0	10	17	3	13	9	3	0	0	0	0	15	1	0
May	6.8	NW.	35	SW.	0	4	3	0	1	4	8	16	25	1	13	12	6	6	6	3	0	0	0	0	9	3	0
June	6.7	NW.	36	S.	0	1	1	0	1	6	2	17	32	0	16	13	1	3	2	0	1	0	0	0	1	3	0
July	5.7	NW.	27	N.	0	8	9	1	1	1	2	9	31	0	3	24	4	15	9	0	2	0	0	0	0	17	0
August	4.9	NW.	24	NE.	0	6	5	0	2	4	0	17	28	0	1	22	8	17	13	0	0	0	0	0	0	16	0
September	5.7	NW.	23	W.	0	3	6	0	1	5	4	11	30	0	15	15	0	9	5	0	1	0	0	0	4	2	0
October	6.2	NW.	36	S.	0	4	3	0	0	12	7	12	24	0	17	9	5	8	7	5	0	0	0	0	19	0	0
November	5.7	NW.	22	W.	0	6	3	2	4	4	4	10	27	0	15	12	3	5	5	5	0	0	0	0	30	0	0
December	4.9	NW.	24	NE.	0	9	1	0	0	9	4	12	27	0	15	8	8	6	6	5	0	0	3	0	31	0	0
Year	5.8	NW.	36	S.	0	62	45	7	18	72	44	157	326	1	138	169	59	109	83	47	4	0	7	0	195	43	0

EASTPORT, ME.

[H=76 ft.; h_t=67 ft.; h_r=62 ft.; h_a=85 ft.]

January	15.8	W.	60	E.	7	4	1	2	0	7	16	17	15	0	4	6	21	18	11	11	0	0	15	0	29	2	0
February	13.9	W.	69	SE.	5	6	3	11	0	3	8	15	12	0	6	10	13	10	9	5	0	2	17	0	27	0	3
March	12.9	NW.	48	S.	4	7	4	4	4	6	16	10	11	0	5	14	12	14	12	7	0	2	12	0	25	1	0
April	14.5	W.	44	W.	2	2	4	4	0	12	12	16	10	0	5	16	9	14	9	5	0	2	2	0	18	0	4
May	10.6	S.	54	E.	3	1	10	4	1	21	8	2	14	1	5	13	13	12	11	0	0	8	0	0	0	4	2
June	9.1	S.	31	W.	0	3	4	2	6	24	8	3	9	1	7	19	4	5	4	0	0	2	0	0	0	2	3
July	8.1	S.	39	SE.	0	3	7	2	1	24	10	9	4	2	6	17	8	9	5	0	0	9	0	0	0	4	0
August	8.7	S.	31	SE.	0	2	5	1	2	22	12	9	8	1	9	11	11	12	8	0	0	5	0	0	0	5	4
September	8.9	S.	32	S.	0	2	1	0	0	20	17	5	15	0	9	14	7	5	3	0	0	4	0	0	0	1	5
October	10.0	SW.	48	E.	1	5	4	3	4	5	19	12	9	1	10	9	12	7	6	1	0	6	0	0	1	1	6
November	11.5	W.	48	E.	1	2	3	4	2	5	11	31	2	0	3	5	22	13	8	3	0	0	1	0	11	0	2
December	12.3	W.	60	SE.	1	7	1	1	3	6	8	20	16	0	0	11	20	18	13	14	0	0	14	0	29	0	0
Year	11.4	S.	69	SE.	24	44	47	38	23	155	145	149	125	6	69	145	152	137	99	46	0	40	61	0	140	20	29

ELKINS, W. VA.

[H=1,940 ft.; h_t=41 ft.; h_r=34 ft.; h_a=50 ft.]

January	4.5	W.	34	NE.	0	11	0	0	3	6	15	22	3	2	9	5	17	19	16	12	0	1	5	0	30	1	0
February	6.0	W.	30	W.	0	9	0	0	7	10	4	24	3	1	6	5	18	20	13	16	0	1	12	0	26	0	0
March	4.7	W.	33	W.	0	10	3	0	3	10	6	22	4	4	8	10	13	19	17	1	0	1	1	0	14	4	0
April	5.6	W.	28	W.	0	13	0	3	1	12	4	13	10	4	12	10	8	13	10	1	0	2	1	0	5	1	0
May	3.7	W.	29	W.	0	6	8	3	5	13	9	12	4	2	8	11	12	21	17	0	0	8	0	0	0	0	0
June	2.5	S.	24	W.	0	13	3	0	8	14	2	10	9	1	12	10	8	13	9	0	1	14	0	0	0	8	0
July	2.7	S.	24	W.	0	6	6	1	12	12	9	5	6	5	13	10	8	16	14	0	0	13	0	0	0	14	0
August	2.6	N.	22	W.	0	12	2	4	7	6	4	8	10	9	10	12	9	12	11	0	0	13	0	2	0	4	0
September	2.1	W.	19	W.	0	4	6	5	8	4	3	9	3	18	17	9	4	5	4	0	0	21	0	2	1	3	1
October	2.7	N.	16	W.	0	11	0	3	7	3	2	8	6	22	15	5	11	4	1	0	0	12	0	0	7	0	0
November	4.2	W.	27	W.	0	6	1	1	3	5	10	16	4	14	16	6	8	9	4	2	0	5	1	0	20	0	0
December	4.9	W.	23	S.	0	4	2	0	2	7	13	25	4	5	9	3	19	16	14	9	0	2	4	0	28	0	0
Year	3.8	W.	34	NE.	0	105	31	20	66	102	81	174	66	87	135	96	135	167	130	41	1	93	24	4	131	49	1

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

EL PASO, TEX.

[ϕ=31° 47′ N.; λ=106° 30′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	26.271	26.560	25.956	36.2	54.4	58.0	33.6	45.8	68	21	23	22	59	30	0.128	0.123	0.10	0.06	1.9	3.1	3.4
February	26.205	26.432	25.898	40.0	58.5	61.6	37.7	49.6	76	26	23	20	50	22	.125	.110	.26	.22	3.0	3.5	4.2
March	26.188	26.582	25.969	49.5	69.6	72.5	46.2	59.4	84	34	26	20	43	18	.149	.111	.35	.32	3.3	4.6	4.3
April	26.135	26.326	25.887	52.7	70.8	74.7	50.1	62.4	84	43	33	27	51	24	.196	.158	.88	.41	3.7	3.8	3.8
May	26.058	26.310	25.822	58.3	79.2	82.0	56.4	69.2	92	43	28	19	32	12	.153	.106	.01	.01	2.3	2.3	2.5
June	26.098	26.426	25.872	69.1	92.7	94.5	67.3	80.9	101	55	30	23	26	9	.190	.139	0	0	.8	1.1	1.2
July	26.215	26.387	26.007	69.0	83.9	89.3	67.3	78.3	100	60	57	50	68	37	.478	.384	2.07	1.13	3.1	6.1	5.1
August	26.192	26.341	26.056	68.3	83.8	88.6	66.6	77.6	96	61	60	56	77	41	.530	.448	2.55	1.28	2.7	5.5	4.1
September	26.221	26.399	25.960	61.6	82.5	85.8	60.3	73.0	93	47	46	41	60	25	.335	.272	T.	T.	.8	1.1	1.4
October	26.202	26.470	25.873	48.7	71.2	75.5	46.5	61.0	85	26	29	26	47	19	.165	.143	.12	.12	.7	.4	.8
November	26.249	26.506	25.833	40.8	58.1	63.6	38.2	50.9	76	22	24	24	51	31	.127	.132	.45	.45	2.3	2.6	3.0
December	26.265	26.567	25.992	37.7	53.1	57.3	35.8	46.6	76	22	27	28	64	38	.150	.160	.15	.08	3.5	4.4	4.9
Year	26.192	26.582	25.822	52.7	71.5	75.3	50.5	62.9	101	21	34	30	52	26	.227	.190	6.94	1.28	2.3	3.2	3.2

ERIE, PA.

[ϕ=42° 7′ N.; λ=80° 5′ W.]

January	29.189	29.729	28.346	25.8	29.3	34.0	21.8	27.9	50	2	19	21	74	70	0.104	0.117	1.54	0.64	7.7	6.9	6.4
February	29.252	30.073	28.266	21.3	23.1	30.4	16.5	23.4	56	− 4	15	18	76	80	.095	.107	2.65	.95	7.2	6.8	6.0
March	29.261	29.836	28.634	34.3	37.5	45.4	28.8	37.1	72	16	28	29	76	72	.157	.160	2.22	.66	7.6	7.4	6.7
April	29.164	29.745	28.728	43.5	45.4	54.5	36.5	45.5	78	24	33	34	67	64	.201	.203	3.99	1.20	6.5	6.2	5.8
May	29.134	29.520	28.761	57.7	59.2	65.6	51.3	58.4	88	33	48	49	72	71	.357	.368	3.22	.76	5.0	6.9	5.2
June	29.288	29.527	29.068	67.6	70.3	75.7	59.3	67.5	90	50	56	56	67	62	.462	.467	2.70	1.03	4.6	4.0	3.3
July	29.292	29.446	28.873	71.0	73.7	78.2	64.9	71.6	87	55	61	60	72	65	.544	.537	2.26	.54	3.9	4.2	3.5
August	29.265	29.529	29.014	67.0	70.0	75.6	60.9	68.2	90	49	56	56	67	62	.452	.455	1.32	.60	4.6	3.7	4.1
September	29.324	29.563	28.945	63.2	67.5	75.2	58.2	66.7	88	38	51	51	66	58	.390	.392	1.15	.89	2.0	2.4	3.2
October	29.376	29.740	29.104	52.0	55.0	62.5	47.3	54.9	81	37	41	40	67	60	.264	.264	1.53	.62	5.9	3.4	5.2
November	29.236	29.637	28.740	40.8	43.5	49.1	36.7	42.9	69	24	31	31	69	62	.184	.185	1.84	.84	8.3	7.1	8.2
December	29.232	29.682	28.713	31.4	32.2	36.6	27.2	31.9	52	16	25	24	77	69	.138	.126	2.30	1.04	9.0	8.4	8.5
Year	29.251	30.073	28.266	48.0	50.6	56.9	42.4	49.7	90	− 4	39	39	71	66	.279	.282	26.72	1.20	6.0	5.6	5.5

ESCANABA, MICH.

[ϕ=45° 48′ N.; λ=87° .05′ W.]

January	29.278	29.821	28.763	16.5	22.7	28.2	12.7	20.4	47	−12	11	14	78	68	0.077	0.087	0.77	0.38	6.0	4.4	5.7
February	29.373	30.163	28.718	15.5	20.0	24.9	10.7	17.8	44	− 5	11	13	80	71	.074	.082	2.38	1.16	9.0	5.4	7.4
March	29.343	29.922	28.598	21.9	27.9	33.6	17.8	25.7	50	− 1	18	22	84	76	.100	.118	2.99	1.05	7.6	5.7	6.9
April	29.237	30.020	28.441	34.7	39.1	46.9	30.5	38.7	73	15	28	30	76	72	.157	.172	2.98	1.33	6.3	4.9	6.3
May	29.254	29.709	28.777	48.0	53.3	59.3	43.3	51.3	75	26	42	42	79	70	.275	.285	3.01	.94	5.7	5.0	6.9
June	29.329	29.619	28.914	57.7	64.5	69.9	51.7	60.8	90	36	52	55	81	73	.393	.443	1.84	.51	3.8	4.6	5.4
July	29.391	29.628	28.942	64.2	69.2	74.1	57.4	65.8	89	47	58	60	81	74	.488	.524	3.80	1.17	4.4	4.3	4.7
August	29.349	29.673	29.060	59.5	67.8	73.4	55.0	64.2	86	41	54	58	81	72	.424	.498	1.06	.22	4.6	3.8	4.8
September	29.364	29.725	28.922	56.8	63.7	70.1	52.8	61.4	80	32	52	55	85	74	.404	.453	1.68	.95	3.0	3.3	5.3
October	29.435	29.778	29.023	44.8	49.3	53.9	41.9	47.9	63	28	40	42	82	77	.250	.282	.80	.60	4.9	4.8	6.9
November	29.250	29.807	28.654	31.6	37.0	42.7	27.7	35.2	59	15	27	28	81	68	.149	.159	1.65	.95	5.8	6.2	6.9
December	29.284	29.739	28.687	19.5	22.6	28.4	13.5	21.0	38	− 4	14	16	78	74	.085	.091	.88	.36	8.0	4.5	8.1
Year	29.324	30.163	28.441	39.2	44.8	50.4	34.6	42.5	90	−12	34	36	80	72	.240	.266	23.93	1.33	5.8	4.7	6.3

EUREKA, CAL.

[ϕ=40° 48′ N.; λ=124° 11′ W.]

January	30.016	30.462	29.523	45.9	51.9	55.1	43.0	49.0	67	34	42	46	86	81	0.270	0.310	7.23	1.59	5.7	8.0	6.5
February	30.031	30.359	29.493	43.1	49.1	52.2	39.8	46.0	60	33	40	44	90	82	.252	.286	6.59	1.55	6.2	6.7	6.0
March	30.148	30.380	29.769	42.3	50.4	53.7	40.6	47.2	63	33	40	44	90	80	.246	.292	2.82	.85	4.9	4.9	4.1
April	30.055	30.290	29.676	46.1	52.4	54.7	44.7	49.7	65	35	43	45	88	78	.275	.305	.85	.64	6.0	4.5	4.2
May	30.052	30.321	29.640	45.7	52.9	55.2	44.7	50.0	63	39	42	45	87	75	.268	.299	2.57	.71	5.1	5.1	4.3
June	30.021	30.243	29.741	48.9	54.4	56.2	48.2	52.2	64	45	46	50	89	84	.310	.359	.19	.16	6.4	4.9	3.6
July	29.971	30.143	29.836	51.5	57.4	59.9	50.9	55.4	65	47	49	54	92	89	.348	.418	T.	T.	4.3	4.7	4.4
August	29.967	30.143	29.825	49.9	55.3	58.1	49.3	53.7	66	45	48	52	92	90	.330	.395	.16	.07	4.9	5.0	6.5
September	29.987	30.188	29.793	50.1	56.3	59.8	48.5	54.2	69	42	48	50	92	82	.332	.371	.02	.01	5.0	3.4	5.0
October	30.008	30.215	29.702	48.1	55.4	58.6	46.0	52.3	72	36	46	49	92	79	.309	.348	5.09	3.61	4.3	4.4	5.5
November	30.018	30.195	29.772	47.2	54.0	57.6	45.2	51.4	72	35	44	48	90	81	.293	.339	3.97	1.00	3.9	5.6	6.5
December	30.064	30.374	29.699	43.6	50.8	53.4	40.5	47.0	61	30	39	43	84	77	.241	.284	3.91	.74	5.7	6.3	6.3
Year	30.028	30.462	29.493	46.9	53.4	56.2	45.1	50.7	72	30	44	48	89	82	.290	.334	33.40	3.61	5.2	5.3	5.2

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

EL PASO, TEX.

[H=3,762 ft.; h_t=110 ft.; h_r=102 ft.; h_a=133 ft.

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.									Number of days.											
	By self-register.																	Precipitation.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	10.5	NW.	43	W.	3	1	10	6	7	2	2	12	22	0	17	10	4	3	1	0	0	0	0	0	12	0	0
February	12.6	NW.	54	W.	5	0	5	7	9	0	1	18	18	0	11	13	5	3	1	0	0	0	0	0	9	0	0
March	13.2	W.	56	W.	3	4	5	4	5	1	5	23	15	0	13	14	4	2	1	0	1	0	0	0	0	1	0
April	13.1	W.	54	NE.	6	4	7	7	3	2	5	21	11	0	14	11	5	7	5	0	0	0	0	0	0	2	0
May	14.8	W.	60	W.	9	1	2	2	6	2	5	27	17	0	19	10	2	1	0	0	0	0	0	1	0	1	0
June	13.0	W.	44	W.	2	2	5	3	4	1	2	28	15	0	25	5	0	0	0	0	0	0	0	21	0	1	0
July	10.9	E.	68	NW.	8	0	10	22	15	0	2	3	9	1	5	21	5	7	6	0	1	0	0	15	0	10	0
August	9.2	E.	47	NE.	4	2	8	14	17	1	3	5	12	0	13	17	1	11	7	0	0	0	0	9	0	13	0
September	9.4	E.	47	NE.	4	1	6	17	24	0	1	5	5	1	26	4	0	0	0	0	0	0	0	8	0	0	0
October	10.3	W.	50	NW.	4	2	8	8	10	0	5	13	15	1	28	3	0	1	1	0	0	0	0	0	4	0	0
November	10.9	W.	63	SW.	1	1	7	10	8	1	1	13	18	1	19	7	4	2	2	0	0	0	0	0	5	0	0
December	9.5	NW.	40	NW.	1	2	10	6	6	1	2	14	20	1	12	13	6	4	1	0	0	0	0	0	11	0	0
Year	11.4	W.	68	NW.	50	20	83	106	114	11	34	182	177	5	202	128	36	41	25	0	2	0	0	54	41	28	0

ERIE, PA.

[H=714 ft.; h_t=92 ft.; h_r=82 ft.; h_a=102 ft.]

January	13.5	SW.	44	SE.	1	5	2	0	3	14	15	13	10	0	7	9	15	11	8	10	0	0	13	0	29	0	0
February	14.2	W.	54	W.	4	5	6	5	4	10	4	17	7	0	9	7	13	16	13	14	0	3	17	0	26	0	0
March	11.4	W.	45	SW.	1	4	8	3	0	12	12	14	9	0	8	6	17	12	10	2	0	1	3	0	19	4	0
April	13.0	W.	41	W.	1	2	7	5	2	9	9	13	12	1	9	8	13	14	10	2	0	2	1	0	7	3	0
May	10.8	W.	42	SE.	2	1	12	2	7	13	9	13	4	1	11	12	8	18	11	1	0	1	0	0	0	8	0
June	9.0	S.	41	NW.	1	5	9	4	3	11	11	12	5	0	14	14	2	8	6	0	1	0	0	0	0	6	0
July	8.5	S.	31	S.	0	5	10	9	1	14	9	9	4	1	17	10	4	10	8	0	0	0	0	0	0	6	0
August	8.7	S.	28	SW.	0	5	5	11	4	12	8	10	6	1	15	8	8	9	5	0	0	0	0	0	0	3	0
September	9.4	S.	31	W.	0	4	6	6	4	23	11	4	2	0	19	8	3	6	4	0	0	0	0	0	0	4	2
October	10.1	S.	36	SE.	0	6	2	12	7	20	3	4	8	0	13	7	11	9	6	0	0	0	0	0	0	0	0
November	14.2	S.	40	NW.	1	2	0	0	4	19	15	12	7	1	4	3	23	12	9	5	0	0	2	0	7	1	0
December	14.3	W.	40	W.	1	1	0	6	4	13	12	21	5	0	2	5	24	14	9	9	0	0	6	0	27	1	0
Year	11.4	S.	54	W.	12	45	67	63	43	170	118	142	79	5	128	97	141	139	99	43	1	7	42	0	115	36	2

ESCANABA, MICH.

[H=612 ft.; h_t=40 ft.; h_r=33 ft.; h_a=82 ft.]

January	11.4	SW.	37	NW.	0	6	7	0	0	6	14	15	14	0	12	4	15	8	4	8	0	0	22	0	31	0	1
February	12.2	N.	37	N.	0	15	6	3	3	7	7	3	14	0	1	12	16	12	7	11	0	0	22	0	28	0	0
March	10.3	N.	31	E.	0	11	9	5	2	11	10	7	7	0	2	15	14	15	9	15	0	0	11	0	30	1	1
April	11.6	S.	56	E.	2	10	6	7	4	12	9	6	7	0	6	12	12	13	9	5	0	1	1	0	17	1	1
May	10.2	S.	35	E.	0	8	17	10	2	15	0	4	6	0	5	8	18	15	12	1	0	4	0	0	2	0	0
June	9.1	S.	34	NE.	0	2	6	4	3	18	14	8	5	0	10	10	10	8	7	0	0	0	0	0	0	4	1
July	8.3	S.	30	SW.	0	12	10	0	4	17	9	2	8	0	12	10	9	9	7	0	0	1	0	0	0	4	0
August	8.7	S.	27	NW.	0	7	5	4	2	19	4	5	16	0	11	11	9	10	7	0	0	2	0	0	0	4	1
September	9.3	S.	31	SW.	0	10	7	4	4	9	14	5	7	0	12	8	10	8	5	0	0	4	0	0	0	4	1
October	11.0	S.	26	E.	0	11	5	2	5	13	12	4	10	0	5	8	18	7	4	0	0	2	0	0	6	0	0
November	10.9	W.	36	E.	0	5	1	2	2	6	21	15	8	0	5	9	16	4	4	0	0	4	2	0	22	1	1
December	10.3	W.	34	NW.	0	5	5	0	1	4	13	20	14	0	2	6	23	10	8	9	0	1	22	0	31	0	0
Year	10.3	S.	56	E.	2	102	84	41	32	137	127	93	116	0	83	113	170	119	83	49	0	19	80	0	167	19	7

EUREKA, CAL.

[H=62 ft.; h_t=62 ft.; h_r=55 ft.; h_a=80 ft.]

January	6.8	SE.	36	N.	0	10	2	6	17	9	7	3	6	2	4	14	13	18	14	0	0	2	0	0	0	0	0
February	6.9	SE.	48	N.	1	13	2	6	16	7	7	2	5	0	7	12	10	16	12	0	1	0	0	0	0	1	0
March	7.0	N.	40	N.	1	15	4	3	14	8	1	7	8	2	15	12	4	14	10	0	4	3	0	0	0	0	0
April	10.0	N.	46	N.	2	14	4	3	4	8	7	6	14	0	17	6	7	7	4	0	0	1	0	0	0	0	0
May	11.3	N.	41	N.	2	19	3	5	10	3	4	3	15	0	15	11	5	13	11	0	1	0	0	0	0	0	0
June	8.9	NW.	37	SW.	0	17	2	0	4	5	5	5	22	0	18	8	4	4	1	0	0	0	0	0	0	0	0
July	7.5	NW.	47	N.	1	17	1	1	1	6	11	4	21	0	10	18	3	0	0	0	0	10	0	0	0	0	0
August	5.8	NW.	33	N	0	9	0	1	4	6	8	6	26	2	4	11	16	5	2	0	0	11	0	0	0	0	0
September	6.4	N.	44	N.	2	19	2	1	2	4	6	8	11	7	12	9	9	2	0	0	0	7	0	0	0	0	0
October	6.3	N.	39	N.	0	14	3	4	8	4	10	8	10	1	11	7	13	11	9	0	0	5	0	0	0	1	0
November	5.0	S.	26	N.	0	8	2	7	14	16	7	4	2	0	6	13	11	12	9	0	1	6	0	0	0	0	0
December	4.8	SE.	26	SE.	0	9	1	11	18	11	3	4	4	1	6	12	13	14	11	0	0	1	0	0	4	0	0
Year	7.2	N.	48	N.	9	164	26	48	112	87	76	60	144	15	125	133	108	116	83	0	7	46	0	0	4	2	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

EVANSVILLE, IND.

[φ=37° 58′ N.; λ=87° 33′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.608	30.050	28.713	30.7	.....	42.1	28.4	35.2	54	15	25	....	77	....	0.138	.....	1.80	0.64	4.2	.....	5.2
February	29.620	30.050	28.898	31.7	.....	42.0	29.6	35.8	63	8	26	....	79	....	.155	.....	6.26	2.14	6.1	.....	6.6
March	29.589	30.232	29.163	46.0	.....	59.0	43.2	51.1	78	32	40	....	80	....	.258	.....	3.76	1.01	6.0	.....	6.3
April	29.499	29.893	28.905	51.4	.....	66.0	48.1	57.0	82	30	44	....	76	....	.306	.....	4.83	1.06	5.6	.....	5.7
May	29.422	29.740	29.128	62.5	.....	75.9	58.4	67.2	91	42	56	....	81	....	.481	.....	6.51	2.83	5.2	.....	5.5
June	29.562	29.795	29.466	70.1	.....	84.2	65.3	74.8	97	52	62	....	75	....	.570	.....	.66	.29	3.5	.....	4.6
July	29.578	29.776	29.387	73.6	.....	88.5	69.3	78.9	95	60	65	....	74	....	.619	.....	1.97	.60	3.7	.....	4.7
August	29.528	29.743	29.421	71.3	.....	87.3	68.8	78.0	94	61	64	....	78	....	.604	.....	4.58	3.77	3.8	.....	4.0
September	29.608	29.816	29.438	65.5	.....	85.1	62.5	73.8	93	42	56	....	73	....	.474	.....	1.23	1.23	2.4	.....	3.0
October	29.647	29.982	29.296	49.4	.....	69.1	47.8	58.4	84	34	41	....	73	....	.263	.....	.28	.28	2.5	.....	2.8
November	29.618	30.065	29.248	43.1	.....	58.0	40.7	49.4	73	25	34	....	71	....	.215	.....	2.31	.82	4.2	.....	4.3
December	29.646	30.212	29.278	35.7	.....	47.5	32.8	40.2	66	17	30	....	78	....	.175	.....	1.50	.62	5.5	.....	5.4
Year	29.577	30.232	28.713	52.6	.....	67.1	49.6	58.3	97	8	45	....	76	....	.355	.....	35.69	3.77	4.4	.....	4.8

FLAGSTAFF, ARIZ.

[φ=35° 12′ N.; λ=111° 37′ W.]

January	23.363	23.618	23.067	23.8	34.4	43.1	18.5	30.8	54	3	20	22	84	61	0.106	0.118	1.21	0.45	4.1	5.5	4.9
February	23.297	23.512	22.958	19.7	36.1	41.4	14.9	28.2	60	−12	16	21	88	56	.098	.115	2.89	1.28	4.4	4.8	5.3
March	23.342	23.645	23.058	27.3	46.2	51.9	24.4	38.2	71	6	20	19	73	36	.106	.104	1.94	1.14	3.4	5.0	4.8
April	23.308	23.453	22.997	30.6	52.4	58.3	27.4	42.8	72	16	25	28	80	42	.132	.153	1.10	.40	2.0	3.0	3.4
May	23.238	23.502	22.854	32.7	55.7	60.1	30.5	45.3	71	22	25	30	74	41	.134	.172	1.43	.97	2.2	3.0	3.0
June	23.350	23.566	23.022	41.0	69.9	74.1	37.1	55.6	83	23	27	26	58	22	.146	.146	.69	.65	1.2	2.1	1.6
July	23.480	23.607	23.377	53.6	70.9	79.5	50.7	65.1	84	41	45	45	74	48	.309	.326	3.90	1.05	4.6	6.7	5.5
August	23.462	23.569	23.319	53.1	67.5	74.6	50.5	62.6	84	44	50	52	89	60	.360	.394	4.69	1.92	5.3	6.0	5.7
September	23.458	23.609	23.159	42.7	64.5	70.9	39.8	55.4	83	25	36	37	78	39	.219	.236	.99	.49	2.5	3.3	3.1
October	23.361	23.602	22.899	30.2	48.2	56.4	25.9	41.2	74	15	20	20	68	34	.110	.107	.99	.68	2.2	1.7	2.4
November	23.374	23.605	22.892	22.6	39.7	50.6	18.1	34.4	62	6	18	22	80	51	.094	.118	.34	.28	3.0	3.8	4.4
December	23.352	23.620	23.066	19.6	30.0	40.8	13.6	27.2	53	−14	16	22	84	70	.092	.118	5.74	2.60	4.3	4.0	5.0
Year	23.365	23.645	22.854	33.1	51.3	58.5	29.3	43.9	84	−14	26	29	78	47	.159	.176	25.91	2.60	3.3	4.1	4.1

FORT SMITH, ARK.

[φ=35° 22′ N.; λ=94° 24′ W.]

January	29.604	30.113	29.155	34.5	45.7	51.3	32.2	41.8	65	18	29	31	80	58	0.162	0.176	1.91	1.60	4.2	4.0	4.5
February	29.606	30.173	28.970	37.9	48.1	53.7	34.8	44.2	77	14	33	33	82	59	.200	.205	2.48	1.40	4.7	6.2	4.9
March	29.512	30.101	29.081	51.9	64.6	70.1	48.7	59.4	88	37	44	45	76	52	.306	.318	2.91	2.08	7.1	6.9	5.4
April	29.467	29.829	28.902	56.6	64.9	71.1	52.8	62.0	84	36	52	52	85	67	.413	.416	6.71	1.90	6.8	6.3	6.4
May	29.373	29.582	29.080	63.7	74.6	79.4	60.3	69.8	89	43	59	62	86	68	.523	.589	9.79	4.93	5.3	4.6	4.9
June	29.475	29.798	29.239	71.2	81.3	85.0	67.3	76.2	91	61	66	67	83	63	.637	.667	6.56	2.22	6.2	4.4	4.4
July	29.541	29.696	29.396	72.8	83.6	89.9	69.1	79.5	97	60	67	68	83	61	.672	.688	5.95	2.86	3.5	4.9	3.0
August	29.493	29.696	29.349	71.9	82.1	90.4	69.8	80.1	97	63	69	70	90	68	.707	.738	7.32	3.29	3.6	4.3	3.6
September	29.547	29.850	29.334	65.4	75.7	82.9	63.6	73.2	95	41	62	64	88	69	.566	.614	3.17	1.14	6.3	4.4	5.1
October	29.594	29.934	29.289	50.7	65.3	71.8	48.7	60.2	84	35	46	46	85	50	.331	.321	1.33	1.26	3.3	2.3	3.0
November	29.584	30.082	29.033	45.8	58.1	64.2	42.8	53.5	81	22	41	40	84	55	.277	.272	4.46	1.82	5.1	3.6	4.5
December	29.640	30.167	29.239	39.4	48.9	55.6	35.7	45.6	75	24	34	34	82	59	.204	.212	.09	.09	5.5	4.6	5.4
Year	29.536	30.173	28.902	55.2	66.1	72.1	52.2	62.1	97	14	50	51	84	61	.416	.435	52.68	4.93	5.1	4.7	4.6

FORT WORTH, TEX.

[φ=32° 43′ N.; λ=97° 15′ W.]

January	29.396	29.782	28.951	41.5	.....	59.1	38.1	48.6	76	22	34	....	74	....	0.205	.....	0.96	0.70	5.1	2.6	4.2
February	29.401	29.911	29.029	42.7	.....	59.8	39.6	49.7	85	20	35	....	74	....	.214	.....	2.45	1.07	4.0	3.8	4.5
March	29.280	29.789	28.947	55.1	.....	74.2	52.8	63.5	92	37	51	....	86	....	.394	.....	2.95	1.09	6.1	4.4	5.0
April	29.232	29.612	28.760	58.6	.....	73.2	55.6	64.4	87	38	55	....	88	....	.455	.....	9.63	2.03	6.6	6.0	5.4
May	29.142	29.415	28.879	65.6	.....	81.6	64.1	72.8	90	46	62	....	87	....	.574	.....	10.69	6.99	6.1	3.7	4.1
June	29.219	29.515	29.086	73.0	.....	88.9	71.4	80.2	98	62	69	....	86	....	.707	.....	2.90	1.35	5.4	3.8	4.2
July	29.318	29.487	29.235	73.1	.....	90.2	72.3	81.2	98	64	69	....	87	....	.703	.....	2.66	1.29	4.7	4.1	4.4
August	29.275	29.424	29.200	73.0	.....	92.1	72.3	82.2	100	62	68	....	85	....	.684	.....	2.74	2.20	3.4	3.2	3.5
September	29.311	29.579	29.158	67.3	.....	85.5	66.4	76.0	99	40	63	....	88	....	.601	.....	3.52	1.76	4.7	4.2	4.4
October	29.358	29.648	29.063	55.3	.....	75.9	52.9	64.4	88	38	51	....	85	....	.403	.....	4.49	2.21	3.3	2.5	2.9
November	29.378	29.860	28.956	48.0	.....	69.0	45.3	57.2	84	26	43	....	82	....	.288	.....	2.05	1.30	3.9	2.5	3.2
December	29.416	29.864	28.986	44.4	.....	60.9	40.8	50.8	83	25	38	....	77	....	.239	.....	.03	.01	4.5	4.1	4.5
Year	29.310	29.911	28.760	58.1	.....	75.9	56.0	65.9	100	20	53	....	83	....	.456	.....	45.07	6.99	4.8	3.7	4.2

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

EVANSVILLE, IND.

[H=431 ft.; h_t=72 ft.; h_r=66 ft.; h_a=82 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	8.5	S.	28	W.	0	5	3	1	1	9	1	2	8	1	12	9	10	9	5	2	0	4	4	0	22	0	0
February	9.8	W.	38	W.	0	0	4	4	5	2	2	7	5	0	7	8	14	16	10	6	0	2	2	0	19	1	0
March	9.0	S.	36	S.	0	4	9	1	2	10	1	0	4	0	3	20	8	13	12	2	0	3	0	0	1	7	0
April	8.4	S.	42	SW.	1	3	7	1	4	6	5	1	3	0	5	17	8	16	11	0	0	1	0	0	1	4	0
May	8.2	S.	43	SW.	1	1	2	2	4	12	5	2	3	0	5	20	6	11	10	0	0	2	0	0	1	0	11	0
June	7.4	S.	29	W.	0	1	10	2	2	11	2	1	1	0	6	24	0	8	6	0	0	0	0	4	0	5	0
July	5.5	S.	30	W.	0	0	8	3	3	6	5	3	3	0	8	21	2	10	7	0	0	0	0	15	0	9	0
August	5.8	S.	38	N.	0	2	12	2	1	9	1	1	2	1	14	15	2	7	3	0	1	0	0	9	0	4	0
September	5.3	S.	24	SW.	0	3	6	3	8	6	0	3	1	0	15	15	0	2	2	0	0	0	0	9	0	1	0
October	6.2	S.	30	S.	0	5	8	2	4	5	3	1	3	0	19	9	3	1	1	0	0	1	0	0	0	1	0
November	7.9	S.	34	S.	0	2	8	0	1	8	4	4	3	0	11	15	4	9	6	0	0	3	0	0	7	3	0
December	7.9	S.	25	S.	0	2	3	3	2	5	6	5	5	0	8	15	8	6	6	0	0	3	2	0	14	0	0
Year	7.5	S.	43	SW.	2	28	80	24	37	89	35	30	41	2	113	188	65	108	79	10	3	17	8	38	64	46	0

FLAGSTAFF, ARIZ.

[H=6,907 ft.; h_t=8 ft.; h_r=3 ft.; h_a=57 ft.]

January	6.2	SW.	34	SW.	0	12	5	10	3	3	8	12	9	0	14	5	12	10	8	10	0	0	0	0	31	0	0
February	7.1	SW.	38	S.	0	11	2	6	3	3	15	9	9	0	10	9	10	7	7	6	0	0	4	0	28	0	0
March	9.5	SW.	40	NE.	1	10	7	3	1	2	22	5	12	0	12	12	7	4	3	4	0	0	0	0	28	0	0
April	8.6	SW.	37	SW.	0	9	6	7	0	5	16	7	10	0	17	8	5	6	6	5	0	0	0	0	28	3	0
May	11.2	SW.	56	SW.	5	4	2	0	0	4	29	5	18	0	20	7	4	6	5	4	0	0	0	0	23	2	0
June	10.3	SW.	49	SW.	2	7	0	1	0	1	28	8	15	0	26	4	0	3	1	0	1	0	0	0	7	1	0
July	6.2	SW.	32	NW.	0	4	4	5	2	5	12	9	20	1	9	13	9	14	12	0	3	0	0	0	0	21	0
August	6.5	SW.	34	NW.	0	12	4	5	1	3	16	9	12	0	7	15	9	16	12	0	2	0	0	0	0	20	0
September	7.1	SW.	42	SW.	1	10	7	10	3	2	14	4	10	0	19	7	4	6	4	0	1	0	0	0	5	7	0
October	9.2	SW.	58	SW.	1	5	7	9	4	5	16	7	9	0	22	4	5	3	2	2	0	0	0	0	25	1	0
November	6.0	E.	36	SW.	0	4	12	17	1	3	7	9	7	0	12	8	10	5	1	4	0	0	3	0	30	0	0
December	5.4	E.	42	SW.	1	2	11	12	1	3	5	17	11	0	13	6	12	6	6	6	0	0	3	0	31	0	0
Year	7.8	SW.	58	SW.	11	90	67	85	19	39	188	101	142	1	181	98	87	86	67	41	7	0	10	0	236	55	0

FORT SMITH, ARK.

[H=457 ft.; h_t=79 ft.; h_r=72 ft.; h_a=94 ft.]

January	10.0	E.	48	W.	1	7	3	27	2	2	9	4	8	0	12	10	9	7	4	0	0	0	0	0	16	1	0
February	11.1	E.	46	NW.	3	1	3	20	4	5	7	3	14	1	11	9	9	10	9	0	0	1	2	0	11	2	0
March	9.7	E.	30	S.	0	9	8	18	5	9	6	3	3	1	8	15	8	9	6	0	0	0	0	0	0	1	0
April	8.0	E.	42	SW.	2	6	4	21	5	4	7	5	8	0	8	7	15	19	15	0	0	1	0	0	0	3	0
May	8.4	E.	36	NW.	0	1	4	23	12	10	6	2	4	0	11	14	6	11	11	0	0	3	0	0	0	10	0
June	7.7	E.	46	NW.	2	4	6	24	16	4	2	1	3	0	10	17	3	11	10	0	1	0	0	3	0	9	0
July	5.7	E.	39	SW.	0	4	9	26	1	6	4	1	11	0	22	6	3	8	6	0	1	0	0	20	0	6	0
August	5.4	E.	26	E.	0	6	11	29	3	7	2	2	2	0	17	8	6	9	9	0	0	1	0	18	0	8	0
September	6.4	E.	28	S.	0	3	4	38	3	3	5	2	2	0	8	15	7	10	8	0	0	0	0	3	0	3	0
October	8.1	E.	29	S.	0	11	3	25	6	3	7	2	5	0	19	8	4	3	3	0	0	2	0	0	0	1	0
November	8.3	SW.	41	SW.	1	5	4	17	2	3	17	6	6	0	15	7	8	9	8	0	0	1	0	0	4	0	0
December	8.2	E.	32	NW.	0	8	5	22	3	6	7	2	9	0	13	6	12	1	1	0	0	1	0	0	13	0	0
Year	8.1	E.	48	W.	9	65	64	290	62	62	79	33	75	2	154	122	90	107	90	0	2	10	2	44	44	50	0

FORT WORTH, TEX.

[H=670 ft.; h_t=106 ft.; h_r=23 ft.; h_a=114 ft.]

January	12.5	NW.	50	NW.	2	3	8	2	10	6	9	2	21	1	13	14	4	5	5	0	0	0	0	0	8	1	0
February	12.6	S.	53	NW.	2	4	5	5	6	18	6	4	9	1	16	4	9	7	7	0	1	2	0	0	6	3	0
March	13.1	S	37	S.	0	11	5	3	9	22	8	2	2	0	10	13	8	7	6	0	0	2	0	2	0	4	0
April	10.0	S.	37	NW.	0	8	9	8	7	8	9	5	6	0	10	10	10	15	14	0	1	0	0	0	0	10	0
May	13.3	S.	48	N.	1	4	1	6	18	22	3	2	6	0	15	11	5	11	8	0	0	0	0	1	0	13	0
June	12.9	S.	42	N.	1	4	8	5	18	25	0	0	0	0	9	20	1	8	7	0	2	0	0	15	0	5	0
July	7.3	NE.	32	S.	0	9	13	9	5	12	7	1	3	3	11	19	1	8	7	0	0	0	0	18	0	12	0
August	6.9	S.	36	SE.	0	3	3	6	18	18	6	2	4	2	14	16	1	5	4	0	0	0	0	22	0	6	0
September	6.5	SE.	32	N.	0	7	8	10	13	7	3	4	7	1	10	17	3	7	6	0	0	3	0	7	0	9	0
October	10.7	SE.	31	N.	0	2	7	3	25	9	1	6	8	1	20	7	4	8	6	0	0	0	0	0	0	4	0
November	9.9	S.	32	S.	0	4	9	1	3	12	15	8	7	1	19	6	5	5	4	0	0	1	0	0	3	1	0
December	9.8	S.	32	NW.	0	8	5	2	13	8	9	6	11	0	16	7	8	3	0	0	0	2	0	6	5	0	0
Year	10.5	S.	53	NW.	6	67	81	60	145	167	76	42	84	10	163	144	59	89	74	0	4	10	0	65	22	68	0

[a] By eye observation when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

FRESNO, CAL.

[φ=36° 43′ N.; λ=119° 49′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.763	30.106	29.351	42.6	52.6	55.3	40.3	47.8	65	32	42	41	96	67	0.265	0.263	1.78	1.00	2.7	5.0	7.2
February	29.730	30.038	29.288	42.2	56.2	59.0	39.8	49.4	75	32	40	40	93	55	.252	.247	1.75	.44	3.9	4.7	4.9
March	29.759	30.080	29.472	45.4	66.4	68.9	43.5	56.2	83	33	40	39	84	39	.254	.249	.71	.29	1.7	3.3	2.1
April	29.630	29.882	29.416	50.2	78.2	79.4	48.8	64.1	96	34	39	36	68	24	.240	.224	.80	.74	1.8	2.3	1.7
May	29.589	29.799	29.364	50.3	76.0	77.9	49.4	63.6	94	40	41	35	73	26	.260	.213	.63	.57	2.0	2.3	2.2
June	29.539	29.651	29.271	55.6	89.4	90.7	54.8	72.8	104	44	39	30	55	13	.238	.168	.00	.00	.9	.9	1.0
July	29.499	29.627	29.357	68.7	103.9	104.9	68.1	86.5	114	57	39	37	35	10	.249	.226	.01	.01	1.2	1.1	1.2
August	29.505	29.646	29.352	64.8	98.5	99.5	63.5	81.5	113	52	47	38	55	13	.331	.234	.00	.00	.6	.5	.5
September	29.573	29.708	29.308	60.2	88.5	90.2	58.8	74.5	103	48	48	41	65	21	.334	.269	.15	.15	2.1	.3	2.8
October	29.644	29.775	29.243	49.0	73.7	77.1	47.0	62.0	94	36	42	34	76	25	.264	.204	.02	.02	.9	1.9	1.7
November	29.723	29.882	29.425	43.8	64.0	69.0	42.1	55.6	84	31	37	40	78	45	.225	.247	.66	.30	1.7	2.6	3.0
December	29.805	30.039	29.526	36.4	45.1	47.8	34.8	41.3	64	29	35	39	96	81	.208	.244	.57	.26	2.2	4.3	7.7
Year	29.647	30.106	29.243	50.8	74.4	76.6	49.2	62.9	114	29	41	38	73	35	.260	.232	7.08	1.00	1.8	2.4	3.0

GALVESTON, TEX.

[φ=29° 18′ N.; λ=94° 50′ W.]

January	30.071	30.409	29.712	52.2	55.4	60.1	49.8	55.0	74	34	48	48	86	78	0.359	0.360	2.15	1.21	4.5	4.6	5.3
February	30.099	30.581	29.714	52.2	56.0	60.5	49.6	55.0	73	32	49	51	88	84	.361	.387	3.35	1.16	5.2	5.1	4.9
March	30.015	30.358	29.734	63.4	66.1	70.5	62.1	66.3	77	51	62	64	95	92	.563	.599	.69	.64	4.6	4.1	4.9
April	29.919	30.119	29.547	71.0	73.4	77.6	68.2	72.9	84	49	67	66	88	80	.683	.662	1.44	.53	6.0	4.5	4.9
May	29.870	30.064	29.541	73.8	76.1	79.5	72.3	75.9	87	56	68	70	84	83	.718	.755	3.40	1.86	4.4	3.7	3.7
June	29.922	30.124	29.737	80.5	81.9	85.8	78.7	82.2	89	71	74	74	80	77	.831	.836	.54	.31	4.4	4.3	4.2
July	29.974	30.122	29.737	79.7	82.3	86.7	77.1	81.9	91	67	74	73	83	75	.837	.823	7.28	3.43	4.0	5.8	5.0
August	29.938	30.069	29.804	80.5	83.5	87.0	79.2	83.1	91	72	75	74	83	73	.858	.841	4.16	2.11	3.9	4.2	4.3
September	29.922	30.212	29.707	75.5	79.1	83.0	72.9	78.0	90	54	71	70	86	75	.775	.754	14.64	6.54	4.8	4.8	5.0
October	30.034	30.296	29.800	66.8	70.3	74.4	64.9	69.6	80	49	58	57	73	64	.499	.495	.34	.17	2.5	1.4	2.6
November	30.072	30.433	29.721	61.8	64.9	69.3	60.0	64.6	76	37	57	58	84	79	.490	.516	1.28	.92	4.4	3.1	4.6
December	30.088	30.412	29.781	57.0	60.1	64.2	54.2	59.2	73	40	53	54	88	83	.428	.448	2.74	1.27	5.0	4.0	5.4
Year	29.994	30.581	29.541	67.9	70.8	74.9	65.8	70.3	91	32	63	63	85	79	.617	.623	42.01	6.54	4.5	4.1	4.6

GRAND HAVEN, MICH.

[φ=43° 5′ N ; λ=86° 13′ W.]

January	29.277	29.803	28.617	25.9	28.3	32.5	21.5	27.0	42	0	22	22	83	74	0.118	0.117	1.67	0.63	6.9	6.3	7.0
February	29.333	30.086	28.619	19.9	24.8	28.9	16.2	22.6	47	1	16	19	84	76	.093	.106	2.84	.88	7.9	7.9	8.2
March	29.322	29.886	28.729	31.3	34.4	39.8	27.4	33.6	57	18	27	27	83	73	.148	.148	1.96	.81	7.8	6.3	7.0
April	29.227	29.891	28.539	40.1	44.5	51.6	35.1	43.4	74	21	34	34	78	70	.203	.207	4.14	1.16	5.6	5.0	5.5
May	29.181	29.595	28.737	52.9	57.5	63.7	47.1	55.4	83	32	48	50	83	76	.352	.375	4.20	.78	6.0	6.7	6.3
June	29.334	29.624	29.066	62.2	67.6	73.2	55.3	64.2	85	40	55	56	78	68	.444	.472	.98	.63	4.1	4.0	4.2
July	29.363	29.540	28.956	66.9	73.6	78.6	61.0	69.8	90	52	60	60	80	64	.527	.526	2.00	.60	4.5	5.1	4.4
August	29.335	29.603	29.045	63.9	69.6	75.6	57.2	66.4	86	45	58	59	81	70	.491	.510	5.78	3.24	3.2	3.5	3.1
September	29.374	29.629	28.974	59.7	67.4	74.7	55.6	65.2	83	40	54	56	84	68	.439	.468	2.84	1.57	2.8	1.9	2.9
October	29.433	29.836	29.076	45.9	53.7	60.2	42.6	51.4	77	30	40	42	80	67	.255	.276	.90	.43	3.8	4.2	4.2
November	29.293	29.783	28.757	37.8	42.2	47.4	33.4	40.4	65	18	32	34	79	74	.187	.213	3.94	1.02	7.5	6.3	6.7
December	29.305	29.799	28.666	28.2	30.6	35.1	23.9	29.5	45	12	23	24	80	76	.125	.133	2.10	.66	8.0	7.0	8.2
Year	29.315	30.086	28.539	44.6	49.5	55.1	39.7	47.4	90	0	39	40	81	71	.282	.296	33.35	3.24	5.7	5.4	5.6

GRAND JUNCTION, COLO.

[φ=39° 9′ N.; λ=108° 33′ W.]

January	25.518	25.869	25.056	18.6	30.6	37.2	15.9	26.6	46	4	13	20	77	64	0.081	0.111	0.43	0.29	4.1	4.6	4.1
February	25.413	25.739	25.061	25.9	38.1	42.1	22.6	32.4	63	6	20	25	78	62	.109	.138	.71	.31	4.3	5.0	5.1
March	25.375	25.872	24.989	34.0	54.1	58.3	31.0	44.6	74	22	20	17	56	24	.110	.094	.14	.07	3.4	4.5	3.5
April	25.330	25.561	25.013	42.7	63.8	67.4	40.5	54.0	80	27	27	23	53	22	.150	.123	.48	.23	3.2	3.6	3.7
May	25.210	25.524	24.854	47.4	64.5	69.7	43.5	56.6	84	32	29	22	53	24	.163	.124	.56	.17	3.6	6.0	5.6
June	25.291	25.636	24.881	56.2	78.9	82.7	52.8	67.8	92	40	31	26	42	17	.182	.149	.62	.32	2.6	3.5	3.7
July	25.422	25.667	25.210	65.8	87.5	92.2	64.2	78.2	97	54	45	40	49	21	.314	.264	.87	.75	2.4	4.5	3.5
August	25.405	25.664	25.148	63.0	82.5	86.8	61.3	74.0	98	48	48	43	59	28	.341	.289	.86	.26	3.3	3.3	3.3
September	25.449	25.683	25.050	55.1	74.0	79.4	52.6	66.0	93	28	35	36	50	29	.216	.220	.65	.57	2.3	2.9	3.0
October	25.408	25.722	24.766	39.7	54.3	61.0	36.7	48.8	78	26	27	27	63	40	.144	.149	3.43	2.50	3.4	4.0	3.8
November	25.472	25.792	24.826	28.8	42.5	51.0	26.2	38.6	64	19	22	22	73	44	.113	.113	.27	.21	2.0	2.9	3.3
December	25.506	25.912	25.067	16.5	27.7	34.0	13.5	23.8	44	− 6	14	20	89	69	.088	.105	1.21	.63	2.6	3.9	4.3
Year	25.400	25.912	24.766	41.1	58.2	63.5	38.4	51.0	98	− 6	28	27	62	37	.168	.157	10.23	2.50	3.1	4.1	3.9

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

FRESNO, CAL.

[H=330 ft.; h_t=67 ft.; h_r=54 ft.; h_a=70 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	3.8	E.	20	S.	0	4	7	11	11	4	6	11	8	0	6	6	19	8	6	0	1	19	0	0	1	1	0
February	2.7	E.	19	SW.	0	1	9	18	5	3	4	5	12	1	13	6	10	7	7	0	0	1	0	0	1	0	0
March	4.4	W.	20	W.	0	2	1	6	3	0	4	24	22	0	24	4	3	4	4	0	0	0	0	0	0	0	0
April	5.8	W.	24	NW.	0	2	2	8	2	2	2	25	17	0	24	4	2	2	2	0	0	0	0	4	0	0	0
May	8.4	NW.	24	NW.	0	1	3	0	1	0	3	18	36	0	23	5	3	3	1	0	0	0	0	3	0	0	0
June	6.8	NW.	22	W.	0	0	0	2	0	0	4	17	37	0	28	1	1	0	0	0	0	0	0	15	0	0	0
July	5.8	NW.	22	S.	0	1	1	0	3	0	15	9	33	0	26	5	0	1	0	0	0	0	0	31	0	0	0
August	5.5	NW.	20	W.	0	3	0	1	2	0	8	18	30	0	29	2	0	0	0	0	0	0	0	27	0	0	0
September	4.2	W.	16	NW.	0	2	1	6	3	1	5	24	18	0	21	6	3	1	1	0	0	0	0	16	0	1	0
October	4.3	NW.	18	NW.	0	3	3	8	5	3	5	18	17	0	24	6	1	1	0	0	0	0	0	3	0	0	0
November	3.4	W.	21	W.	0	5	6	7	8	4	2	17	8	3	21	5	4	3	3	0	0	4	0	0	2	1	0
December	3.1	SE.	16	S.	0	3	8	9	11	3	7	9	11	1	3	6	22	5	2	0	0	22	0	0	10	0	0
Year	4.8	NW.	24	NW.	0	27	41	76	54	20	65	195	249	5	242	56	68	35	26	0	1	46	0	99	14	3	0

GALVESTON, TEX.

[H=54 ft.; h_t=106 ft.; h_r=98 ft.; h_a=112 ft.]

January	12.7	SE.	46	W.	2	8	12	11	9	5	3	7	7	0	11	10	10	8	7	0	0	7	0	0	0	0	0
February	13.7	SE.	46	NW.	1	7	3	10	19	4	2	4	9	0	11	9	9	9	6	0	0	3	0	0	0	6	0
March	12.0	SE.	32	NW.	0	7	2	4	34	11	0	1	3	0	14	8	9	3	1	0	0	8	0	0	0	1	0
April	12.9	SE.	40	NW.	1	6	4	4	32	9	1	0	4	0	8	18	4	6	4	0	0	0	0	0	0	5	0
May	14.7	SE.	44	E.	1	2	3	1	46	4	2	0	4	0	16	13	2	2	2	0	0	0	0	0	0	2	0
June	12.3	SE.	38	NW.	0	1	3	2	38	12	1	1	2	0	15	12	3	5	4	0	0	0	0	0	0	5	0
July	8.1	SE.	34	N.	0	10	2	3	13	16	6	6	6	0	7	22	2	16	13	0	0	0	0	2	0	16	0
August	8.8	S.	26	N.	0	5	3	5	18	18	4	7	2	0	15	11	5	8	7	0	0	0	0	1	0	8	0
September	9.5	N.	62	NE.	2	14	11	9	8	5	5	2	6	0	11	12	7	12	10	0	0	0	0	0	0	7	0
October	10.4	SE.	36	NW.	0	13	6	13	18	2	0	1	8	1	21	7	3	4	3	0	0	0	0	0	0	0	0
November	10.9	SE.	42	N.	1	11	1	5	25	7	3	1	7	0	13	8	9	7	4	0	0	2	0	0	0	1	0
December	11.4	N.	32	NW.	0	12	10	8	11	7	3	1	10	0	10	12	9	9	5	0	0	5	0	0	0	1	0
Year	11.4	SE.	62	NE.	8	96	60	75	271	100	30	31	68	1	152	142	72	89	66	0	0	25	0	3	0	52	0

GRAND HAVEN, MICH.

[H=632 ft.; h_t=54 ft.; h_r=49 ft.; h_a=92 ft.]

January	14.8	SW.	48	W.	3	8	5	3	6	7	13	8	12	0	6	8	17	10	8	9	0	0	13	0	27	0	0
February	16.1	NW.	50	SW.	3	7	3	14	7	3	5	4	15	0	2	6	21	16	10	15	0	1	20	0	27	0	0
March	14.0	SW.	42	S.	2	5	4	10	4	5	13	10	11	0	3	15	13	11	7	2	0	1	5	0	25	1	0
April	15.2	W.	44	W.	3	4	6	5	5	11	11	11	5	2	10	12	8	14	11	1	0	3	1	0	9	5	0
May	11.7	W.	48	NW.	1	6	5	14	6	8	6	9	6	2	6	15	10	15	12	1	2	3	0	0	1	8	0
June	10.9	S.	47	SW.	1	4	2	7	7	10	12	7	10	1	14	11	5	4	2	0	0	0	0	0	0	4	0
July	8.8	S.	28	NW.	0	5	9	5	2	16	9	4	11	1	13	16	2	10	10	0	0	1	0	1	0	8	0
August	8.6	SW.	33	NW.	0	13	4	7	5	10	11	9	3	0	20	9	2	8	7	0	0	0	0	0	0	5	2
September	10.4	S.	38	W.	0	4	7	5	6	14	9	9	6	0	19	8	3	6	6	0	0	2	0	0	0	1	0
October	11.3	S.	29	S.	0	11	3	8	16	10	8	2	4	0	14	11	6	4	3	0	0	0	0	0	1	0	0
November	15.4	W.	45	SW.	4	4	0	1	15	6	12	14	8	0	5	11	14	13	10	5	0	1	1	0	15	3	0
December	16.1	W.	51	NW.	3	3	1	7	9	3	6	21	12	0	2	6	23	15	12	12	0	0	9	0	29	0	0
Year	12.8	SW.	51	NW.	20	74	49	86	88	103	115	108	103	6	114	128	124	126	98	45	2	12	49	1	134	35	2

GRAND JUNCTION, COLO.

[H=4,608 ft.; h_t=43 ft.; h_r=37 ft.; h_a=51 ft.]

January	3.5	W.	20	W.	0	5	1	5	8	0	3	23	17	0	18	4	9	5	3	4	0	0	3	9	31	0	0
February	4.3	E.	24	S.	0	4	5	17	8	1	0	8	15	0	12	8	9	8	5	7	0	1	2	0	26	0	0
March	5.8	W.	34	SE.	0	2	5	7	11	6	7	13	11	0	15	13	3	4	2	0	0	0	0	0	17	0	0
April	6.4	NW.	40	SW.	1	3	6	17	8	0	4	8	14	0	16	9	5	5	3	0	0	0	0	0	5	3	0
May	7.4	NW.	42	S.	1	2	2	10	12	6	7	7	15	1	8	15	8	5	4	0	2	0	0	0	1	2	0
June	6.7	NW.	25	W.	0	1	3	10	14	3	9	7	12	1	16	11	3	4	4	0	1	0	0	6	0	4	0
July	5.1	NW.	33	SE.	0	2	7	8	18	1	3	5	18	0	15	16	0	5	2	0	1	0	0	25	0	7	0
August	5.5	E.	33	NW.	0	2	4	12	18	3	2	9	10	2	20	8	3	9	7	0	0	0	0	11	0	10	0
September	5.3	E.	32	SW.	0	3	1	10	19	2	3	1	21	0	20	6	4	4	3	0	0	0	0	4	1	2	1
October	4.8	SE.	36	S.	0	6	2	6	18	4	2	9	15	0	20	5	6	7	7	3	0	0	0	0	11	0	0
November	3.8	SE.	19	SE.	0	2	6	12	16	0	1	14	9	0	20	8	2	4	3	2	0	0	0	0	28	0	0
December	3.0	NW.	18	W.	0	6	8	5	8	2	5	10	18	0	17	5	9	4	4	4	0	0	13	0	29	0	0
Year	5.1	NW.	42	S.	2	38	50	119	158	28	46	114	175	4	197	108	61	64	47	20	4	1	18	46	149	28	1

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

GRAND RAPIDS, MICH.

[$\varphi = 42° 58'$ N.; $\lambda = 85° 40'$ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.197	29.717	28.428	23.9	27.2	32.5	20.2	26.4	45	2	20	22	85	89	0.110	0.118	1.49	0.68	6.9	5.4	6.9
February	29.251	30.007	28.524	19.0	24.0	29.2	15.6	22.4	50	−1	16	19	88	78	.094	.103	2.69	.77	7.4	6.8	8.0
March	29.248	29.829	28.543	31.3	36.2	43.4	26.8	35.1	65	16	27	28	84	71	.150	.153	2.44	1.04	7.9	6.1	7.5
April	29.156	29.822	28.504	41.0	48.0	55.2	35.2	45.2	79	21	34	35	79	62	.210	.215	4.87	1.77	6.4	5.4	6.2
May	29.114	29.555	28.695	54.0	61.3	68.0	48.9	58.4	86	30	48	49	82	67	.359	.375	5.34	.99	7.3	6.6	7.1
June	29.271	29.567	28.986	64.2	72.5	78.7	57.4	68.0	89	45	55	52	71	51	.450	.411	.83	.49	4.6	5.0	5.4
July	29.300	29.500	28.904	67.5	77.3	83.5	62.5	73.0	95	51	60	58	77	53	.520	.498	1.46	.60	5.6	5.4	5.2
August	29.265	29.544	28.964	63.2	72.8	79.9	58.3	69.1	93	46	56	55	79	55	.465	.449	5.55	2.63	3.6	4.0	4.2
September	29.303	29.565	28.878	59.4	69.8	79.6	56.6	68.1	92	38	53	53	79	56	.410	.426	1.09	.66	4.4	3.3	4.3
October	29.366	29.769	29.001	46.0	54.6	63.2	43.1	53.2	79	32	40	39	79	57	.252	.246	.39	.38	4.1	4.5	5.2
November	29.219	29.712	28.666	36.4	40.8	47.4	33.0	40.2	65	20	32	33	83	73	.187	.197	3.14	1.12	7.3	6.5	7.9
December	29.225	29.710	28.552	26.5	29.5	34.3	22.6	28.4	45	14	23	24	87	79	.125	.129	1.88	1.02	9.0	7.3	8.5
Year	29.243	30.007	28.428	44.4	51.2	57.9	40.0	49.0	95	−1	39	39	81	65	.278	.277	31.17	2.63	6.2	5.5	6.4

GREEN BAY, WIS.

[$\varphi = 44° 31'$ N.; $\lambda = 88° 0'$ W.]

January	29.286	29.818	28.732	16.2	23.4	28.2	11.3	19.8	44	−15	11	16	79	72	0.077	0.095	0.90	0.52	5.2	4.1	6.0
February	29.359	30.007	28.644	15.2	22.5	27.0	11.1	19.0	44	−11	10	16	80	75	.076	.094	1.75	.63	7.9	6.0	7.7
March	29.318	29.890	28.454	27.1	32.9	39.3	24.0	31.6	52	9	22	25	78	71	.118	.134	2.38	1.28	7.4	6.6	7.0
April	29.211	29.943	28.380	38.4	46.4	53.3	34.1	43.7	83	18	32	34	76	61	.185	.204	2.84	1.13	5.7	5.8	6.1
May	29.204	29.664	28.659	51.5	58.1	64.6	47.0	55.8	83	30	44	48	78	70	.310	.348	3.64	.62	7.5	7.2	7.3
June	29.311	29.596	28.957	61.5	69.9	75.5	53.9	64.7	88	38	53	54	73	59	.417	.441	1.74	.58	4.9	6.1	5.4
July	29.364	29.592	28.913	65.8	74.3	80.5	60.1	70.3	95	48	59	60	79	62	.507	.522	2.44	1.10	4.6	6.0	5.8
August	29.332	29.628	29.061	61.7	72.7	79.4	57.7	68.6	91	44	55	58	79	61	.443	.492	1.19	.45	5.7	5.3	5.8
September	29.355	29.671	28.913	58.7	68.8	76.9	55.7	66.3	92	32	54	55	84	62	.427	.448	1.45	.91	2.9	5.1	4.7
October	29.413	29.789	28.986	45.3	52.6	59.6	42.9	51.2	80	27	38	40	77	63	.241	.257	.57	.36	5.3	4.9	5.9
November	29.267	29.783	28.562	31.8	37.7	44.9	28.0	36.4	59	13	27	30	82	73	.156	.176	1.61	.55	6.6	5.2	7.6
December	29.295	29.793	28.703	18.1	23.3	29.2	13.5	21.4	40	−4	13	18	79	77	.081	.100	1.40	.61	7.4	6.3	7.4
Year	29.310	30.037	28.380	40.9	48.6	54.9	36.6	45.7	95	−15	35	38	79	67	.253	.276	21.91	1.28	5.9	5.8	6.4

HANNIBAL, MO.

[$\varphi = 39° 41'$ N.; $\lambda = 91° 20'$ W.]

January	29.491	30.015	28.872	25.5	.....	39.6	20.8	30.2	57	4	19	....	76	....	0.109	.....	1.04	0.35	4.3	.....	4.5
February	29.492	29.915	28.831	25.9	.....	37.6	22.9	30.2	61	−1	22	....	82	....	.127	.....	4.05	1.37	5.4	.....	5.3
March	29.464	29.986	28.942	39.1	.....	56.7	35.6	46.2	79	22	32	....	76	....	.185	.....	.94	.36	6.2	.....	6.2
April	29.368	29.844	28.644	47.8	.....	64.5	43.6	54.0	79	24	41	....	77	....	.273	.....	3.64	1.34	6.1	.....	6.0
May	29.274	29.509	29.030	59.4	.....	73.8	55.0	64.4	87	33	52	....	78	....	.420	.....	4.60	.75	5.7	.....	6.5
June	29.425	29.720	29.236	66.1	.....	79.1	62.1	70.6	91	50	59	....	79	....	.518	.....	6.27	1.28	6.2	.....	5.3
July	29.471	29.688	29.278	69.8	.....	85.5	66.3	75.9	94	54	64	....	82	....	.597	.....	1.48	.53	6.0	.....	4.7
August	29.438	29.604	29.283	67.1	.....	84.7	64.2	74.4	95	52	61	....	82	....	.549	.....	2.94	1.65	4.3	.....	4.3
September	29.497	29.712	29.292	60.9	.....	82.3	57.8	70.0	94	33	57	....	86	....	.477	.....	3.31	1.44	3.4	.....	3.1
October	29.511	29.919	29.097	46.4	.....	65.1	44.9	55.0	87	31	40	....	80	....	.258	.....	.43	.25	4.1	.....	4.1
November	29.477	29.980	28.886	38.2	.....	54.9	34.6	44.8	72	16	31	....	76	....	.188	.....	2.52	.98	5.1	.....	5.1
December	29.518	30.137	29.136	29.3	.....	43.8	24.9	34.4	63	9	24	....	78	....	.134	.....	1.13	.66	4.4	.....	4.7
Year	29.452	30.137	28.644	48.0	.....	64.0	44.4	54.2	95	−1	42	....	79	....	.320	.....	32.35	1.65	5.1	.....	5.0

HARRISBURG, PA.

[$\varphi = 40° 16'$ N.; $\lambda = 76° 52'$ W.]

January	29.612	30.165	28.674	28.2	32.8	38.2	24.5	31.4	53	6	21	22	72	65	0.114	0.126	1.78	0.81	5.4	5.0	5.1
February	29.700	30.443	28.773	22.9	27.6	32.2	18.9	25.6	54	1	17	18	78	66	.107	.105	5.01	1.20	6.4	4.8	5.5
March	29.704	30.186	29.200	38.2	45.0	50.1	35.3	42.7	77	22	30	33	71	63	.175	.196	3.27	1.44	5.8	4.5	5.9
April	29.559	30.128	28.921	46.7	55.5	62.6	42.2	52.4	83	28	34	39	63	56	.220	.260	2.33	.48	3.4	4.6	4.4
May	29.549	29.844	29.112	58.5	64.5	70.5	54.7	62.6	88	39	50	54	75	72	.390	.455	3.48	2.11	7.0	6.5	6.5
June	29.666	29.968	29.461	67.4	74.4	81.7	61.8	71.8	96	50	57	59	69	61	.471	.515	1.05	.51	4.1	3.8	4.3
July	29.665	29.842	29.304	71.7	78.1	85.5	67.2	76.4	97	59	63	66	76	70	.597	.662	5.51	1.47	5.2	5.6	5.2
August	29.635	29.916	29.346	66.6	73.7	80.2	62.5	71.4	93	50	58	60	74	64	.489	.532	2.43	.89	5.0	4.8	5.0
September	29.723	30.008	29.423	60.0	69.1	77.0	57.0	67.0	87	42	53	56	79	64	.424	.462	1.50	1.03	3.6	3.3	3.9
October	29.760	30.200	29.254	50.4	57.9	66.3	47.5	56.9	86	33	44	47	80	68	.303	.338	4.15	1.50	4.5	3.5	4.2
November	29.676	30.032	29.156	38.3	44.1	50.2	34.8	42.5	65	11	30	33	73	66	.179	.202	.89	.84	3.9	4.6	4.9
December	29.685	30.142	29.134	31.2	33.6	39.5	27.9	33.7	62	20	23	24	70	68	.125	.129	2.07	.49	5.3	4.5	5.7
Year	29.661	30.443	28.674	48.3	54.7	61.2	44.5	52.9	97	1	40	43	73	65	.300	.332	33.47	2.11	5.0	4.6	5.0

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

GRAND RAPIDS, MICH.

[H=707 ft.; h_t=127 ft.; h_r=121 ft.; h_a=162 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.10 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	13.2	SW.	39	W.	0	7	3	2	2	17	15	5	11	0	8	4	19	10	6	9	0	0	14	0	29	0	0
February	14.3	NW.	44	SW.	1	4	4	11	4	10	4	5	16	0	3	4	22	15	10	14	0	1	21	0	28	0	0
March	13.4	SW.	48	SW.	2	7	5	8	5	6	14	6	11	0	2	12	17	11	8	1	0	0	5	0	23	1	0
April	15.1	SW.	48	SW.	6	3	3	10	2	7	13	8	13	1	7	11	12	14	12	1	1	1	1	0	11	6	0
May	11.6	E.	40	N.	1	5	10	10	6	6	9	12	4	0	4	12	15	16	12	0	0	0	0	0	1	7	0
June	10.7	SW.	48	SW.	2	5	3	11	9	10	11	7	4	0	10	8	12	5	4	0	0	0	0	0	0	5	0
July	9.0	E.	31	W.	0	5	8	12	3	5	12	6	11	0	11	14	6	8	5	0	0	0	0	8	0	6	0
August	8.3	W.	48	W.	1	9	4	6	5	6	7	10	13	2	14	13	4	9	8	0	0	0	0	1	0	5	0
September	8.7	SW.	32	W.	0	2	6	9	5	7	15	11	3	2	12	14	4	6	4	0	0	2	0	2	0	1	0
October	9.9	S.	30	SW.	0	8	3	4	10	19	4	6	8	0	9	13	9	2	1	0	0	1	0	0	1	0	0
November	12.3	SW.	48	SW.	2	4	1	0	6	17	14	11	7	0	1	11	18	10	8	3	0	1	1	0	14	1	0
December	12.0	W.	45	W.	1	3	1	6	6	10	9	17	10	0	2	5	24	13	8	8	0	0	9	0	30	0	0
Year	11.5	SW.	48	SW.	16	62	51	89	63	120	127	104	111	5	83	121	162	119	86	36	1	6	51	11	137	32	0

GREEN BAY, WIS.

[H=617 ft.; h_t=49 ft.; h_r=43 ft.; h_a=86 ft.]

January	12.0	SW.	47	NE.	2	7	6	0	2	5	26	7	9	0	12	7	12	4	2	4	0	1	21	0	30	0	0
February	12.7	NW.	52	NE.	2	11	6	2	5	4	10	6	14	0	2	7	20	9	7	8	0	0	22	0	28	0	0
March	11.9	SW.	38	N.	0	3	12	3	5	6	14	12	7	0	4	14	13	8	7	4	0	0	8	0	27	0	0
April	13.9	SW.	52	NE.	4	4	7	3	8	9	14	7	8	0	7	11	12	13	10	4	0	0	1	0	13	2	0
May	12.5	NE.	48	NE.	2	7	17	3	7	8	7	7	6	0	4	8	19	17	14	2	0	0	0	0	2	3	0
June	10.3	SE.	59	W.	4	5	2	0	16	16	12	8	1	0	11	8	11	9	7	0	0	0	0	0	0	5	0
July	8.2	SW.	48	W.	1	7	8	2	13	7	14	2	9	0	9	16	6	11	8	0	0	0	0	4	0	5	0
August	8.8	SW.	36	N.	0	4	3	4	10	6	19	7	9	0	8	16	7	5	4	0	0	0	0	1	0	6	1
September	9.4	SW.	34	W.	0	8	1	6	6	14	13	7	5	0	14	10	6	6	6	0	0	4	0	6	1	3	1
October	10.8	S.	30	N.	0	4	5	1	15	13	11	6	7	0	9	11	11	4	3	0	0	0	0	0	5	0	0
November	11.6	SW.	48	W.	2	2	2	1	2	12	27	12	2	0	4	4	22	8	7	1	1	2	2	0	20	2	0
December	11.4	SW.	47	W.	2	2	3	1	2	10	23	15	6	0	5	6	20	12	6	11	0	0	21	0	31	0	0
Year	11.1	SW.	59	W.	19	64	72	26	91	110	190	96	83	0	89	118	159	106	81	34	1	7	75	11	157	26	2

HANNIBAL, MO.

[H=534 ft.; h_t=75 ft.; h_r=68 ft.; h_a=109 ft.]

January	10.8	SW.	40	W.	1	5	2	4	0	1	10	3	6	0	14	8	9	6	4	4	0	0	7	0	28	0	0
February	13.1	NW.	39	SW.	0	1	2	7	1	3	3	5	7	0	11	6	12	12	9	5	0	1	7	0	24	2	0
March	11.0	SW.	44	W.	2	3	4	4	2	0	10	2	6	0	7	10	14	6	6	0	0	1	0	0	10	6	0
April	10.9	SW.	46	SW.	4	1	1	4	2	1	10	4	7	0	11	3	16	14	11	0	1	2	0	0	3	6	0
May	10.6	SW.	50	SW.	2	1	4	4	3	2	10	2	5	0	4	12	15	17	15	0	0	0	0	0	0	14	0
June	9.5	E.	46	S.	2	2	2	9	4	3	7	0	3	0	11	9	10	16	15	0	1	0	0	3	0	10	0
July	6.5	SW.	30	SW.	0	5	3	4	3	1	10	2	2	1	12	12	7	11	7	0	0	0	0	5	0	9	0
August	6.7	SW.	33	N.	0	8	5	2	0	0	8	2	5	1	15	8	8	9	7	0	0	1	0	8	0	7	0
September	6.8	SW.	30	S.	0	5	3	2	1	3	13	2	1	0	20	6	4	6	6	0	0	0	0	5	0	2	0
October	9.9	SW.	34	S.	0	2	2	4	2	2	9	1	8	1	19	2	10	6	3	0	0	1	0	0	2	1	0
November	10.0	SW.	37	SW.	0	2	1	3	1	3	13	2	4	1	13	6	11	7	6	0	0	0	1	0	11	4	0
December	8.9	SW.	38	SW.	0	2	1	2	0	2	13	4	7	0	16	2	13	4	2	1	0	0	4	0	27	0	0
Year	9.6	SW.	50	SW.	11	37	30	49	19	21	116	29	61	4	153	84	129	114	91	10	2	6	19	21	105	61	0

HARRISBURG, PA.

[H=374 ft.; h_t=94 ft.; h_r=88 ft.; h_a=104 ft.]

January	9.1	W.	35	W.	0	5	3	3	5	6	10	14	16	0	13	6	12	6	5	4	0	0	4	0	27	1	0
February	9.5	W.	42	W.	1	2	2	9	6	1	5	22	11	0	10	9	10	10	10	7	0	1	13	0	26	0	0
March	7.8	NW.	43	NW.	1	6	0	10	11	3	11	6	15	0	8	10	13	12	12	2	0	2	1	0	11	3	1
April	10.1	NW.	46	NW.	1	5	3	7	5	7	8	13	12	0	16	6	8	11	11	0	1	1	0	0	5	2	0
May	8.2	E.	34	NW.	0	4	4	19	8	2	4	15	6	0	9	7	15	15	10	0	2	0	0	0	0	6	0
June	5.7	SW.	36	NW.	0	7	5	4	5	9	12	13	5	0	14	14	2	4	3	0	0	0	0	4	0	5	0
July	5.5	S.	33	NW.	0	4	6	9	10	9	8	11	5	0	9	17	5	14	12	0	1	0	0	6	0	12	0
August	5.1	SE.	36	W.	0	14	7	7	12	5	6	6	5	0	11	12	8	10	8	0	1	0	0	2	0	5	0
September	5.2	E.	38	SW.	0	7	4	8	12	5	8	12	4	0	15	10	5	3	3	0	0	4	0	0	0	1	0
October	6.3	NW.	33	NW.	0	9	3	14	7	3	1	10	15	0	16	6	9	8	7	0	1	1	0	0	0	2	0
November	7.2	W.	30	W.	0	1	2	12	7	4	8	17	9	0	11	10	9	3	2	1	0	4	0	0	10	0	0
December	7.1	W.	36	W.	0	2	6	6	4	5	8	24	6	1	8	11	12	12	11	6	0	1	0	0	27	0	0
Year	7.2	W.	46	NW.	3	66	45	108	92	59	89	163	109	1	140	118	108	108	94	20	6	14	18	12	106	37	1

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

HARTFORD, CONN.

[φ=41° 46′ N.; λ=72° 40′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 p. m.	8 a. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.790	30.376	28.848	25.9	29.6	37.5	20.3	28.9	54	— 2	18	19	70	63	0.106	0.111	3.47	1.53	6.3	3.9	5.7
February	29.885	30.607	28.875	19.4	26.3	32.7	15.6	24.2	56	— 6	13	17	74	68	.091	.110	4.98	1.11	4.1	3.9	5.2
March	29.917	30.410	29.263	33.8	38.5	45.7	29.1	37.4	75	13	26	29	70	70	.148	.172	3.06	1.10	6.8	5.1	6.9
April	29.740	30.352	29.264	44.2	48.3	57.8	38.5	48.2	85	22	31	34	59	60	.190	.223	2.36	1.06	6.0	4.3	5.5
May	29.774	30.124	29.201	57.3	61.3	70.5	51.7	61.1	87	38	49	52	74	73	.367	.408	6.52	2.55	7.3	6.2	6.5
June	29.868	30.242	29.649	66.7	70.2	81.0	58.1	69.6	90	45	56	59	70	68	.463	.508	2.42	1.08	3.9	3.9	4.4
July	29.880	30.089	29.519	70.9	74.3	84.5	64.6	74.6	96	54	65	68	82	80	.625	.684	5.74	1.55	6.1	5.9	5.8
August	29.856	30.158	29.532	65.0	69.7	78.3	59.6	69.0	88	43	60	62	84	79	.529	.583	6.74	2.19	5.7	5.3	6.1
September	29.934	30.268	29.602	59.7	65.6	75.7	55.0	65.4	88	40	54	56	82	72	.428	.463	1.12	1.10	4.8	3.7	5.3
October	29.974	30.421	29.317	46.9	56.0	66.1	43.4	54.8	90	30	42	46	84	70	.281	.323	1.67	.57	5.2	2.9	5.7
November	29.836	30.258	29.251	37.6	42.5	49.1	33.8	41.4	60	25	30	33	76	70	.175	.201	.92	.58	5.2	4.7	6.5
December	29.865	30.388	29.197	28.8	32.4	38.5	24.6	31.6	65	13	21	22	72	65	.119	.120	3.36	1.99	6.4	5.5	7.1
Year	29.860	30.607	28.848	46.4	51.2	59.8	41.2	50.5	96	— 6	39	41	75	70	.294	.326	42.36	2.55	5.6	4.6	5.9

HATTERAS, N. C.

[φ=35° 15′ N.; λ=75° 40′ W.]

January	30.047	30.491	29.130	42.8	46.1	53.9	39.0	46.4	68	24	39	42	86	84	0.250	0.272	2.85	1.41	4.3	4.6	4.4
February	30.120	30.729	29.509	42.5	43.0	50.1	37.6	43.8	62	25	38	38	82	84	.241	.244	2.60	.81	5.8	3.1	4.9
March	30.127	30.595	29.733	53.4	53.9	61.5	48.4	55.0	73	34	50	51	90	89	.377	.394	5.77	1.28	3.9	3.4	4.1
April	30.001	30.390	29.463	62.0	61.8	69.0	56.1	62.6	77	43	55	57	78	85	.449	.484	2.46	.78	4.2	3.4	3.5
May	29.959	30.248	29.187	68.9	68.2	74.1	64.6	69.4	81	48	62	63	80	84	.582	.595	7.38	4.72	4.3	4.8	3.6
June	30.049	30.235	29.849	74.6	72.5	79.0	68.6	73.8	87	62	69	68	84	87	.722	.696	6.22	2.35	3.4	3.8	3.0
July	30.045	30.300	29.822	80.2	78.5	84.8	75.2	80.0	89	69	75	75	85	88	.874	.860	7.55	3.42	3.1	5.2	3.5
August	29.999	30.168	29.661	78.7	77.7	83.7	73.8	78.8	88	69	74	74	85	88	.836	.830	14.93	4.22	4.0	4.2	3.8
September	30.048	30.281	29.800	71.6	71.4	77.2	68.3	72.8	84	61	68	68	89	89	.693	.695	3.37	1.53	4.5	3.5	4.1
October	30.039	30.397	29.485	64.8	64.0	70.1	61.5	65.8	75	49	62	61	90	90	.555	.547	9.29	2.92	4.5	4.0	4.7
November	30.109	30.396	29.599	54.9	56.9	63.5	51.1	57.3	75	38	50	53	85	86	.376	.415	.99	.80	3.1	1.5	3.0
December	30.086	30.512	29.561	49.5	50.9	58.2	44.8	51.5	74	37	46	46	87	85	.321	.333	4.54	2.55	5.7	4.4	4.9
Year	30.052	30.729	29.130	62.0	62.1	68.8	57.4	63.1	89	24	57	58	85	87	.523	.530	67.95	4.72	4.2	3.8	4.0

HAVRE, MONT.

[φ=48° 34′ N.; λ=109° 40′ W.]

January	27.316	27.786	26.793	20.3	31.1	38.9	13.6	26.2	54	−13	16	22	86	69	0.099	0.118	0.16	0.12	2.3	3.8	3.6
February	27.342	27.705	26.826	14.0	23.5	29.8	7.5	18.6	55	−15	11	19	89	83	.079	.105	.75	.48	4.9	4.5	5.0
March	27.307	27.713	26.769	20.3	32.0	37.0	14.1	25.6	58	−19	17	23	88	74	.106	.129	1.70	.86	5.9	5.3	5.1
April	27.290	27.699	26.812	36.9	56.8	60.5	33.7	47.1	84	— 4	31	34	80	45	.180	.196	.28	.15	3.8	4.5	3.8
May	27.215	27.553	26.913	44.4	64.0	67.4	43.0	55.2	86	30	40	44	85	52	.250	.297	1.87	.62	5.9	5.6	4.7
June	27.226	27.637	26.817	52.1	68.3	71.8	48.5	60.2	95	42	47	52	83	59	.323	.405	3.25	.94	4.2	5.1	4.2
July	27.362	27.642	27.095	58.3	84.5	87.5	55.2	71.4	103	42	50	53	75	37	.367	.418	.39	.19	1.8	2.4	2.7
August	27.356	27.610	26.989	52.9	76.9	79.2	51.4	65.3	106	42	46	50	79	41	.315	.370	.85	.38	3.6	3.5	3.4
September	27.340	27.672	26.876	46.7	69.3	74.0	44.0	59.0	91	31	41	47	82	50	.262	.342	1.17	.61	3.9	4.7	3.9
October	27.344	27.774	26.729	34.8	44.4	51.4	30.9	41.2	75	16	31	36	86	75	.178	.219	1.18	.68	5.1	5.1	5.4
November	27.406	28.073	27.075	29.6	37.5	47.2	23.0	35.1	70	— 2	24	27	81	69	.138	.155	.05	.04	2.9	4.0	4.4
December	27.331	27.891	26.797	18.5	25.6	34.1	11.2	22.6	52	−15	14	19	84	77	.090	.107	.27	.24	4.2	3.5	5.0
Year	27.320	28.073	26.729	35.7	51.2	56.6	31.3	44.0	106	−19	31	36	83	61	.199	.238	11.92	1.94	4.0	4.3	4.3

HELENA, MONT.

[φ=46° 34′ N.; λ=112° 4′ W.]

January	25.819	26.266	25.383	22.9	28.3	34.7	17.0	25.8	51	— 8	16	17	73	61	0.088	0.093	0.50	0.22	4.2	3.9	4.9
February	25.780	26.155	25.321	22.4	32.9	37.0	19.0	28.0	55	−14	13	20	67	59	.080	.109	.29	.14	4.7	6.5	6.5
March	25.757	26.169	25.220	25.6	36.6	42.7	22.5	32.6	64	3	16	19	69	50	.093	.105	.68	.18	7.0	6.7	6.4
April	25.784	26.063	25.274	37.0	54.3	59.1	34.7	46.9	82	10	26	27	63	38	.140	.151	.52	.27	5.0	5.7	5.3
May	25.690	25.987	25.316	42.2	53.9	58.0	40.1	49.0	82	34	35	38	75	62	.202	.237	6.19	1.18	8.0	7.4	7.1
June	25.741	26.101	25.435	47.1	63.4	67.3	44.9	56.1	88	36	39	41	75	48	.243	.263	4.76	3.67	4.9	6.5	5.2
July	25.889	26.109	25.671	55.5	78.3	82.9	54.1	68.5	98	38	44	46	66	35	.292	.323	1.40	.54	2.0	4.7	2.8
August	25.854	26.098	25.588	51.7	72.1	76.1	49.9	63.0	98	39	40	44	68	41	.255	.298	.90	.79	3.4	4.0	3.6
September	25.847	26.110	25.514	47.9	64.2	69.4	45.5	57.4	87	28	39	48	73	58	.242	.354	1.81	.99	5.0	6.3	5.0
October	25.817	26.126	25.260	35.7	44.4	50.4	32.8	41.6	72	22	31	36	81	72	.172	.215	1.88	1.04	5.6	6.8	6.2
November	25.888	26.283	25.525	28.3	37.4	43.1	24.7	33.9	64	2	21	25	75	61	.114	.139	.18	.12	3.8	6.3	6.4
December	25.809	26.099	25.470	21.7	28.6	33.5	17.9	25.7	52	— 8	16	20	76	69	.091	.109	.52	.21	4.3	6.6	6.6
Year	25.806	26.283	25.220	36.5	49.5	54.5	33.6	44.0	98	−14	28	32	72	54	.168	.200	19.63	3.67	4.8	6.0	5.5

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

HARTFORD, CONN.

[H= 159 ft.; h_t=122 ft.; h_r=116 ft.; h_a=140 ft.]

Month.	Wind.														Number of days.												
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.					Maximum temp.		Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	9.2	NW.	32	NW.	0	5	3	0	0	17	12	6	19	0	7	13	11	12	7	6	0	0	5	0	28	0	0
February	8.1	NW.	48	S.	1	9	0	3	2	9	9	7	19	0	11	8	10	12	9	8	0	2	16	0	27	0	0
March	7.2	NW.	36	SW.	0	2	4	2	1	13	5	6	24	5	7	9	15	13	10	4	0	1	2	0	12	2	2
April	10.3	NW.	42	NW.	1	10	0	1	1	19	10	3	16	0	10	11	9	12	9	0	0	0	1	0	7	2	0
May	8.3	S.	29	W.	0	9	5	7	4	11	12	3	11	0	7	13	11	12	12	0	0	1	0	0	0	2	2
June	6.9	S.	27	S.	0	7	2	0	3	20	13	1	14	0	12	14	4	6	4	0	0	0	0	2	0	2	0
July	6.7	S.	36	NW.	0	7	2	2	3	21	14	5	7	1	6	16	9	11	10	0	0	0	0	3	0	11	1
August	6.1	S.	30	SW.	0	15	3	5	2	17	8	4	8	0	9	11	11	9	6	0	0	1	0	0	0	6	0
September	6.0	S.	32	S.	0	17	2	3	5	17	9	0	5	2	8	15	7	3	2	0	0	8	0	0	0	1	1
October	6.0	N.	33	NW.	0	16	4	5	3	9	8	1	15	1	12	8	11	8	7	0	0	6	0	0	3	0	0
November	8.1	NW.	32	SW.	0	5	1	0	3	13	18	5	15	0	6	9	15	9	5	3	0	5	0	0	15	0	1
December	7.9	NW.	39	W.	0	16	0	1	2	5	21	6	11	0	6	8	17	8	6	4	0	0	4	0	28	0	0
Year	7.6	S.	48	S.	2	118	26	29	29	171	139	47	164	9	101	135	130	115	87	25	0	24	28	5	130	26	7

HATTERAS, N. C.

[H= 11 ft.; h_t=12 ft.; h_r=34 ft.; h_a=47 ft.]

January	17.2	NE.	60	SW.	8	10	15	4	3	1	6	13	10	0	16	6	9	11	7	1	0	0	0	0	5	1	0
February	17.3	NE.	48	NW.	3	7	14	5	2	4	7	5	14	0	12	8	9	9	7	1	0	3	0	0	6	1	0
March	15.7	SW.	45	NE.	3	0	16	7	3	4	24	5	3	0	15	10	6	16	12	0	0	5	0	0	0	3	0
April	15.4	SW.	51	NE.	2	4	13	5	6	1	23	4	4	0	18	9	3	12	9	0	0	0	0	0	0	3	0
May	14.2	SW.	54	NW.	3	4	6	2	7	8	22	10	3	0	21	6	4	10	10	0	0	0	0	0	0	4	0
June	12.4	NE.	40	N.	1	3	22	6	3	7	13	3	3	0	21	5	4	10	7	0	0	0	0	0	0	7	0
July	13.2	SW.	58	NW.	2	0	5	7	13	11	21	5	0	0	22	4	5	10	8	0	0	0	0	0	0	3	0
August	13.4	SW.	49	NW.	1	4	13	2	3	12	21	4	3	0	18	10	3	15	13	0	0	0	0	0	0	9	0
September	14.7	NE.	45	W.	2	2	35	5	2	3	5	5	3	0	15	10	5	8	5	0	0	0	0	0	0	1	0
October	16.1	NE.	44	NW.	3	21	22	2	0	5	2	4	6	0	16	7	8	11	11	0	0	2	0	0	0	2	0
November	13.2	SW.	48	N.	5	13	10	2	3	2	19	3	8	0	22	4	4	5	5	0	0	2	0	0	0	0	0
December	15.3	N.	61	W.	3	12	13	1	2	5	10	5	14	0	15	8	8	11	10	0	0	1	0	0	0	0	0
Year	14.8	NE.	61	W.	36	80	184	48	47	63	173	66	71	0	211	87	68	128	104	2	0	13	0	0	11	34	0

HAVRE, MONT.

[H=2,505 ft.; h_t=11 ft.; h_r=4 ft.; h_a=44 ft.]

January	10.4	SW.	52	SW.	2	2	1	10	2	1	23	10	13	0	21	6	4	3	2	3	0	0	5	0	31	0	0
February	8.2	SW.	32	SW.	0	1	3	9	4	1	13	10	15	2	11	13	5	5	3	5	0	1	18	0	28	0	1
March	10.8	SW.	42	SW.	1	6	6	14	0	0	18	3	14	1	9	16	6	12	10	11	0	0	11	0	25	0	1
April	11.6	NW.	36	NW.	0	6	2	10	1	1	12	8	20	0	14	14	2	5	3	1	0	0	1	0	10	1	0
May	9.1	E.	37	W.	0	2	2	23	13	0	9	4	9	0	8	19	4	8	8	0	1	0	0	0	1	3	1
June	9.0	NW.	38	SW.	0	5	1	11	5	3	15	7	13	0	13	16	1	11	8	0	0	0	1	0	9	0	0
July	8.0	NW.	52	SW.	1	3	6	8	2	1	13	14	14	1	24	7	0	5	2	0	1	0	0	14	0	5	2
August	7.8	NW.	38	SW.	0	3	5	14	5	0	6	16	13	0	19	11	1	9	5	0	0	0	0	5	0	7	2
September	8.1	SW.	48	SW.	1	2	6	6	1	1	12	17	12	3	17	10	3	8	5	1	0	0	0	3	1	5	5
October	8.2	E.	44	W.	1	0	7	17	1	2	7	7	20	1	14	5	12	9	6	3	0	1	3	0	16	0	0
November	11.4	NW.	38	W.	0	3	0	2	1	0	18	14	21	1	12	14	4	2	1	2	0	2	7	0	21	0	0
December	10.9	SW.	48	W.	1	2	2	2	3	1	16	15	21	0	13	9	9	3	2	3	0	0	12	0	31	0	0
Year	9.5	NW.	52	SW.	7	35	41	126	38	11	162	125	185	9	175	140	51	80	55	29	2	4	57	23	164	30	12

HELENA, MONT.

[H=4,110 ft.; h_t=8 ft.; h_r=3 ft.; h_a=56 ft.]

January	6.6	SW.	44	SW.	3	3	0	0	0	4	32	16	7	0	10	16	5	6	5	6	0	0	10	0	31	0	0
February	6.2	SW.	45	W.	3	5	1	2	1	2	23	14	10	0	6	8	15	4	3	4	0	0	7	0	27	0	0
March	9.2	W.	49	W.	2	7	1	1	1	2	12	27	11	0	5	12	14	9	6	7	0	0	5	0	22	0	0
April	8.6	W.	38	SW.	0	3	1	1	0	5	17	26	7	0	13	6	11	6	3	5	1	0	1	0	12	2	0
May	7.2	SW.	37	W.	0	0	2	4	2	2	17	18	17	0	7	6	18	19	17	0	3	0	0	0	0	3	0
June	8.0	W.	38	W.	0	4	1	3	1	3	24	16	8	0	10	10	10	12	10	0	0	0	0	0	0	8	0
July	6.4	SW.	36	W.	0	4	4	8	3	1	25	11	6	0	20	8	3	7	6	0	1	0	0	4	0	6	0
August	6.7	SW.	30	W.	0	7	4	0	0	1	22	15	12	1	18	8	5	2	2	0	0	0	0	3	0	4	0
September	6.7	SW.	47	W.	1	6	0	3	0	4	23	15	9	0	12	8	10	8	5	1	0	0	0	0	2	6	2
October	6.6	SW.	43	W.	1	3	0	2	3	3	27	17	7	0	8	8	15	7	5	4	0	0	0	0	15	0	0
November	5.2	SW.	33	W.	0	6	1	1	1	3	30	12	6	0	6	11	13	3	2	3	0	0	5	0	21	0	0
December	7.0	W.	45	W.	1	2	2	0	0	5	25	21	7	0	4	12	15	5	5	5	0	0	11	0	29	0	0
Year	7.0	SW.	49	W.	11	50	17	25	12	35	277	208	107	1	119	113	134	88	69	35	5	0	39	7	159	29	2

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

HONOLULU, HAWAII.

[$\varphi = 21°\ 19'$ N.; $\lambda = 157°\ 52'$ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.056	30.164	29.936	71.5	70.3	76.8	66.3	71.6	79	61	58	59	62	60	0.478	0.506	0.50	0.24	3.9	2.9	4.1
February	30.016	30.126	29.864	72.3	70.7	76.8	67.0	71.9	80	64	60	62	67	74	.527	.555	3.42	1.69	4.3	5.1	5.8
March	29.971	30.063	29.864	72.4	71.5	76.9	67.6	72.2	81	62	63	64	73	77	.581	.596	8.09	5.04	6.3	5.1	6.5
April	30.026	30.126	29.947	72.9	71.7	77.5	67.9	72.7	82	65	61	61	66	69	.529	.530	.60	.18	6.5	5.2	6.0
May	30.050	30.116	29.967	75.3	73.5	79.8	70.3	75.0	82	68	62	63	64	71	.562	.580	.35	.21	5.6	5.1	5.5
June	30.036	30.118	29.956	75.6	73.8	80.0	70.7	75.4	82	67	62	63	63	70	.553	.580	.39	.22	6.4	4.5	5.6
July	30.012	30.067	29.913	76.5	74.9	81.0	71.8	76.4	84	68	63	64	64	69	.576	.599	.16	.09	6.5	4.4	5.6
August	29.982	30.042	29.928	77.4	75.5	82.1	72.2	77.2	84	70	65	66	66	72	.617	.633	.91	.55	5.3	4.2	4.8
September	29.986	30.054	29.889	77.0	75.4	81.6	72.4	77.0	84	70	64	65	66	71	.605	.624	.75	.47	5.5	4.1	5.1
October	29.964	30.073	29.855	76.5	74.7	81.0	71.4	76.2	85	68	64	65	66	71	.596	.614	.22	.09	4.4	3.3	4.5
November	29.982	30.098	29.878	74.7	73.0	78.7	68.6	73.6	82	64	62	63	65	70	.559	.571	1.10	.50	3.5	3.5	3.6
December	30.058	30.239	29.917	72.1	70.9	76.5	67.3	71.9	79	61	60	61	66	71	.518	.534	2.68	1.23	5.5	5.6	5.5
Year	30.012	30.239	29.864	74.5	73.0	79.1	69.5	74.3	85	61	62	63	66	71	.558	.577	19.17	5.04	5.3	4.4	5.2

HOUGHTON, MICH.

[$\varphi = 47°\ 7'$ N.; $\lambda = 88°\ 34'$ W.]

January	29.184	29.757	28.692	16.7	.....	27.9	10.5	19.2	48	−19	11	....	77	....	0.075	.....	0.95	0.20	6.6	.....	7.0
February	29.299	30.062	28.782	15.9	.....	24.7	9.7	17.2	47	− 6	11	....	79	....	.073	.....	1.93	.80	9.6	.....	8.4
March	29.258	29.714	28.637	21.0	.....	32.8	14.5	23.6	57	− 8	16	....	79	....	.092	.....	1.63	.61	8.5	.....	7.3
April	29.152	29.936	28.269	34.2	.....	46.5	29.3	37.9	81	9	28	....	78	....	.162	.....	2.94	.99	7.0	.....	5.6
May	29.188	29.640	28.878	47.5	.....	59.5	41.2	50.4	80	31	40	....	77	....	.257	.....	4.84	1.33	7.4	.....	5.6
June	29.216	29.545	28.780	59.0	.....	73.4	50.4	61.9	90	37	51	....	75	....	.384	.....	3.52	.89	3.7	.....	4.8
July	29.308	29.564	28.893	63.1	.....	75.6	56.5	66.0	92	46	56	....	77	....	.453	.....	3.30	.95	4.6	.....	4.5
August	29.258	29.575	29.021	60.3	.....	73.1	54.8	64.0	90	43	54	....	81	....	.430	.....	1.00	.24	4.6	.....	4.6
September	29.259	29.614	28.909	56.9	.....	73.4	51.9	62.6	89	35	51	....	82	....	.393	.....	4.56	1.74	3.8	.....	5.0
October	29.322	29.726	28.850	45.8	.....	57.3	41.8	49.6	87	27	39	....	77	....	.249	.....	1.11	.55	6.5	.....	6.9
November	29.129	29.697	28.546	34.0	.....	42.3	29.1	35.7	63	17	29	....	80	....	.160	.....	2.74	.81	6.9	.....	7.6
December	29.185	29.585	28.750	20.3	.....	27.1	14.9	21.0	39	3	16	....	80	....	.088	.....	1.33	.15	8.4	.....	9.4
Year	29.230	30.062	28.269	39.6	.....	51.1	33.7	42.4	92	−19	34	....	78	....	.235	.....	29.85	1.74	6.5	.....	6.4

HURON, S. DAK.

[$\varphi = 44°\ 21'$ N.; $\lambda = 98°\ 14'$ W.]

January	28.635	29.264	28.171	14.8	25.3	34.9	7.9	21.4	63	−15	11	16	85	66	0.073	0.091	0.19	0.19	3.5	4.1	4.2
February	28.683	28.995	28.135	14.4	22.5	28.7	10.5	19.6	53	−14	11	17	87	79	.081	.104	1.17	.42	5.2	5.4	5.8
March	28.627	29.182	28.013	23.1	35.5	42.7	20.2	31.4	80	−12	19	24	84	65	.107	.130	1.24	.87	7.0	6.4	6.1
April	28.520	29.038	27.753	36.8	55.5	61.3	33.6	47.4	90	11	31	32	78	46	.187	.192	1.45	.56	3.6	4.8	4.4
May	28.488	28.834	27.907	47.6	62.9	66.8	43.0	54.9	87	24	42	42	80	51	.281	.295	5.47	3.62	5.4	5.7	5.5
June	28.526	28.998	28.085	58.1	69.3	74.4	53.8	64.1	93	40	54	58	88	70	.434	.505	6.94	3.62	6.0	5.6	5.5
July	28.657	28.973	28.256	63.0	78.0	82.6	59.4	71.0	99	49	60	63	89	61	.522	.595	4.12	1.78	3.6	3.3	3.3
August	28.617	28.904	28.328	56.9	74.4	80.2	53.9	67.0	97	40	53	57	87	56	.410	.476	1.38	.40	3.8	5.4	4.1
September	28.586	28.928	28.295	55.0	73.1	82.0	52.1	67.0	98	28	50	52	83	50	.374	.410	1.39	1.18	3.3	3.8	3.6
October	28.628	29.040	27.986	39.4	50.1	57.3	36.6	47.0	82	23	35	36	83	61	.210	.220	2.82	1.44	6.9	6.0	6.5
November	28.628	29.238	28.098	27.6	37.1	46.7	23.6	35.2	74	0	23	25	81	64	.124	.144	1.50	1.04	4.7	3.2	4.4
December	28.654	29.184	28.222	17.4	20.8	28.8	10.1	19.4	46	−15	14	16	86	82	.089	.095	1.00	.82	3.9	4.2	4.5
Year	28.605	29.264	27.753	37.8	50.4	57.2	33.7	45.4	99	−15	34	36	84	63	.241	.271	28.67	3.62	4.7	4.8	4.8

INDIANAPOLIS, IND.

[$\varphi = 39°\ 46'$ N.; $\lambda = 86°\ 10'$ W.]

January	29.144	29.607	28.283	26.6	32.8	38.3	23.9	31.1	52	10	21	24	78	69	0.116	0.133	2.47	1.47	4.8	4.6	5.9
February	29.172	29.739	28.460	25.8	30.6	36.1	22.7	29.4	54	0	22	24	83	77	.129	.141	4.46	1.48	6.8	7.4	7.9
March	29.166	29.760	28.700	40.5	47.0	53.5	36.1	44.8	76	25	34	37	78	70	.211	.228	5.12	1.47	6.4	6.4	7.3
April	29.082	29.526	28.508	47.9	55.3	60.9	43.4	52.2	76	25	41	42	77	64	.277	.286	3.86	1.19	5.6	6.3	6.2
May	29.008	29.376	28.473	59.0	66.5	72.1	55.5	63.8	87	34	53	55	82	69	.431	.454	5.19	1.47	6.0	7.4	6.9
June	29.166	29.412	28.961	66.4	75.0	80.3	61.1	70.7	94	46	57	57	72	55	.486	.482	1.05	.30	4.3	4.7	6.2
July	29.180	29.388	28.903	71.4	80.2	85.8	66.1	76.0	95	57	62	62	73	56	.562	.560	2.62	.65	4.4	5.4	5.3
August	29.142	29.353	28.964	67.5	79.3	85.4	63.8	74.6	95	55	58	59	74	51	.504	.516	1.67	1.05	3.5	4.7	5.0
September	29.202	29.413	28.862	62.3	76.8	83.5	59.7	71.6	92	39	51	50	68	41	.391	.378	1.14	1.07	2.8	2.1	3.0
October	29.246	29.601	28.881	47.5	59.6	66.3	45.3	55.8	82	31	39	39	73	49	.246	.252	.23	.12	3.8	4.3	4.5
November	29.177	29.623	28.756	38.9	47.2	52.8	35.9	44.4	70	20	32	32	76	57	.192	.199	1.90	1.29	4.6	4.6	5.1
December	29.190	29.722	28.718	30.5	36.0	41.7	27.3	34.5	63	11	25	27	78	68	.140	.153	1.54	.47	5.7	5.6	5.7
Year	29.156	29.760	28.283	48.7	57.2	63.1	45.1	54.1	95	0	41	42	76	60	.307	.315	31.25	1.48	4.9	5.3	5.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

HONOLULU, HAWAII.

[H=38 ft.; h_t=111 ft.; h_r=99 ft.; h_a=119 ft.]

Month.	Wind.					Number of days.																						
	By self-register.					Number of winds, 8 a. m. and 8 p. m.											Precipitation.				Maximum temp.		Minimum temperature 32° or below.	Electricity.	
	Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.		Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	8.6	NE.	28	NE.	0	4	27	26	1	0	0	2	1	1	13	15	3	8	4	0	0	0	0	0	0	0	0
February	7.6	NE.	27	NE.	0	5	20	27	2	2	0	1	1	0	5	18	6	11	10	0	0	0	0	0	0	0	0
March	7.2	NE.	26	S.	0	2	15	17	17	6	2	0	2	1	9	9	13	14	11	0	0	0	0	0	0	0	0
April	10.2	NE.	29	NE.	0	0	34	15	3	1	3	2	1	1	5	16	9	13	5	0	0	0	0	0	0	0	0
May	8.8	NE.	25	E.	0	3	30	28	1	0	0	0	0	0	4	22	5	5	2	0	0	0	0	0	0	0	0
June	9.0	NE.	24	E.	0	1	33	26	0	0	0	0	0	0	5	19	6	11	2	0	0	0	0	0	0	0	0
July	8.3	NE.	25	NE.	0	0	32	28	1	1	0	0	0	0	1	26	4	6	2	0	0	0	0	0	0	0	0
August	8.1	NE.	36	NE.	0	1	26	31	3	0	0	1	0	0	8	21	2	9	5	0	0	0	0	0	0	0	0
September	8.0	NE.	26	NE.	0	0	31	24	2	1	0	0	2	0	5	23	2	10	4	0	0	0	0	0	0	1	0
October	7.2	NE.	24	E.	0	6	17	33	4	0	2	0	0	0	14	13	4	7	2	0	0	0	0	0	0	0	0
November	7.9	NE.	30	NE.	0	2	40	11	2	1	3	0	1	0	15	13	2	5	4	0	0	0	0	0	0	0	0
December	10.3	NE.	30	NE.	0	3	36	23	0	0	0	0	0	0	4	24	3	13	8	0	0	0	0	0	0	0	0
Year	8.4	NE.	36	NE.	0	27	341	289	36	12	10	6	8	3	88	219	59	112	59	0	0	0	0	0	0	2	0

HOUGHTON MICH.

[H=668 ft.; h_t=66 ft.; h_r=57 ft.; h_a=74 ft.]

January	7.6	NW.	34	N.	0	4	0	11	2	0	1	3	10	0	3	13	15	13	9	13	0	0	21	0	31	0	0
February	8.3	NW.	33	N.	0	5	1	7	6	0	0	1	7	2	0	9	20	18	10	16	0	0	23	0	28	0	0
March	7.6	E.	30	N.	0	2	1	7	4	0	2	7	6	2	2	11	18	19	13	19	0	0	16	0	30	0	4
April	8.9	E.	32	NW.	0	5	1	10	3	0	1	4	5	1	9	12	9	16	12	6	0	0	4	0	20	1	1
May	8.6	E.	27	W.	0	1	7	7	6	0	1	6	3	0	9	11	11	15	13	1	0	1	0	0	2	1	3
June	7.1	W.	26	W.	0	1	1	9	5	0	3	8	2	1	11	15	4	15	13	0	0	0	0	0	0	5	0
July	5.8	W.	26	N.	0	0	0	11	1	0	1	12	4	2	14	9	8	12	7	0	0	1	0	1	0	5	0
August	6.9	W.	30	NW.	0	0	1	7	4	0	1	7	10	1	12	12	7	7	6	0	0	0	1	0	1	4	4
September	6.9	W.	30	NW.	0	0	1	10	2	3	0	8	4	2	12	11	7	11	10	2	0	4	0	0	0	4	1
October	7.0	E.	24	W.	0	3	1	10	7	1	1	4	4	0	3	14	14	10	4	1	0	2	0	0	4	0	2
November	8.2	W.	36	NW.	0	1	0	6	3	0	4	6	10	0	3	9	18	14	12	10	0	0	4	0	20	1	2
December	7.6	NW.	33	NW.	0	0	3	6	2	1	2	2	15	0	0	4	27	20	14	20	0	0	23	0	31	0	0
Year	7.5	E.	36	NW.	0	22	17	101	45	5	17	68	80	11	78	130	158	170	123	88	0	12	91	2	166	21	17

HURON S. DAK.

[H=1,306 ft.; h_t=56 ft.; h_r=52 ft.; h_a=67 ft.]

January	9.7	NW.	39	NW.	0	7	1	2	9	14	2	11	16	0	14	11	6	2	1	2	0	0	15	0	31	0	0
February	11.5	SE.	38	NW.	0	8	2	7	16	4	1	5	15	0	9	8	12	8	7	7	0	0	18	0	27	0	0
March	11.4	NW.	38	N.	0	11	6	9	4	11	3	7	11	0	9	6	16	10	7	9	0	0	8	0	30	1	0
April	15.1	NW.	46	NW.	4	6	2	5	13	7	3	4	20	0	15	5	10	5	4	2	1	0	1	1	15	2	0
May	11.7	E.	42	SE.	2	10	6	16	12	1	1	8	8	0	11	9	11	8	6	0	1	1	0	0	6	4	0
June	13.1	SE.	43	S.	1	6	2	1	19	9	4	7	12	0	8	12	10	15	10	0	2	0	0	1	0	11	0
July	9.1	SE.	36	SE.	0	7	6	2	27	11	2	1	6	0	19	8	4	9	6	0	1	2	0	4	0	7	0
August	9.5	SE.	38	S.	0	8	3	4	18	12	3	3	11	0	15	9	7	9	6	0	0	1	0	4	0	7	0
September	11.5	S.	37	S.	0	9	1	4	21	9	1	2	13	0	19	8	3	5	3	0	0	1	0	12	3	3	0
October	13.0	NW.	40	SE.	1	11	1	2	18	11	3	1	15	0	7	11	13	6	5	2	0	0	0	0	12	1	0
November	11.0	NW.	47	NW.	2	4	2	2	9	4	5	12	22	0	15	6	9	7	4	6	0	0	7	0	26	0	0
December	10.1	NW.	40	NW.	1	6	4	0	10	5	9	12	16	0	13	10	8	7	3	6	0	0	20	0	31	0	0
Year	11.4	SE.	47	NW.	11	93	36	54	176	98	37	73	165	0	154	103	109	91	62	34	5	5	69	22	181	36	6

INDIANAPOLIS, IND.

[H=822 ft.; h_t=154 ft.; h_r=146 ft.; h_a=164 ft.]

January	11.2	S.	32	NW.	0	4	6	4	5	13	11	7	12	0	7	12	12	9	7	6	0	0	6	0	27	0	0
February	13.5	W.	44	SW.	3	5	7	11	8	3	7	12	5	0	3	7	19	13	10	9	0	2	11	0	24	1	0
March	11.2	S.	47	SW.	4	6	12	3	3	15	8	7	8	0	4	10	17	10	9	1	1	1	0	0	7	5	0
April	12.0	SW.	48	S.	2	4	6	2	11	9	15	4	9	0	10	5	15	15	15	0	2	1	0	0	3	3	0
May	11.0	SW.	48	SW.	1	1	7	7	11	3	17	7	9	0	5	11	15	16	14	0	0	0	0	0	6	6	0
June	9.8	SW.	39	W.	0	4	9	9	6	9	13	1	9	0	6	15	9	8	7	0	0	0	0	0	3	6	0
July	7.9	SW.	35	SW.	0	7	14	4	6	8	12	4	7	0	11	9	11	12	10	0	0	0	0	0	8	7	0
August	7.4	NE.	38	SW.	0	6	15	6	11	7	12	2	3	0	11	16	4	3	3	0	0	0	0	0	7	4	0
September	7.2	SE.	33	SW.	0	6	10	5	16	7	9	2	5	0	18	10	2	4	3	0	0	0	0	0	6	0	1
October	8.7	NE.	32	S.	0	7	12	7	14	10	2	3	7	0	14	9	8	3	2	0	0	1	0	0	1	1	0
November	10.4	SW.	43	S.	2	5	8	2	4	16	16	3	6	0	11	9	10	9	7	2	0	1	1	0	10	3	0
December	10.6	SW.	34	SW.	0	3	3	4	6	9	14	9	14	0	10	10	11	8	5	1	0	1	3	0	24	0	0
Year	10 1	SW.	48	SW.	12	58	109	64	101	109	136	61	94	0	110	123	133	110	92	19	3	7	21	24	96	37	1

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

IOLA, KANS.

[φ=37° 55′ N.; λ=95° 25′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.031	29.573	28.595	29.1	.....	46.6	24.8	35.7	59	11	23	....	76	....	0.124	.....	0.65	0.59	4.0	.....	4.7
February	29.017	29.495	28.351	30.8	.....	48.6	27.7	38.2	71	5	26	....	81	....	.146	.....	2.93	.78	4.9	.....	5.8
March	28.981	29.605	28.506	40.9	.....	62.0	37.7	49.8	82	23	36	....	81	....	.219	.....	2.09	1.15	6.4	.....	6.7
April	28.918	29.332	28.146	49.5	.....	66.1	46.5	56.3	81	27	44	....	83	....	.316	.....	5.95	3.75	8.6	.....	7.4
May	28.790	29.055	28.436	60.0	.....	76.2	56.4	66.3	88	38	56	....	86	....	.406	.....	4.31	1.48	5.8	.....	6.2
June	28.916	29.307	28.657	67.7	.....	82.6	64.0	73.3	90	52	64	....	88	....	.596	.....	7.40	2.04	7.8	.....	6.5
July	29.016	29.257	28.817	69.3	.....	87.1	65.8	76.4	95	55	64	....	85	....	.610	.....	2.18	.80	4.5	.....	4.8
August	28.965	29.139	28.735	69.0	.....	88.9	66.2	77.6	97	59	64	....	86	....	.613	.....	3.29	1.11	4.5	.....	4.9
September	29.021	29.246	28.810	60.4	.....	82.6	58.3	70.4	90	32	58	....	90	....	.492	.....	1.03	.35	4.6	.....	5.0
October	29.027	29.386	28.699	47.9	.....	67.5	45.2	56.4	84	30	43	....	84	....	.300	.....	8.72	3.90	5.1	.....	5.2
November	29.020	29.570	28.371	39.1	.....	58.0	35.8	46.9	78	19	35	....	86	....	.218	.....	6.16	2.02	4.2	.....	5.1
December	29.066	29.639	28.711	31.3	.....	47.9	27.5	37.7	68	14	26	....	81	....	.145	.....	.59	.43	4.1	.....	5.1
Year	28.981	29.639	28.146	49.6	.....	67.8	46.3	57.1	97	5	45	....	84	....	.354	.....	45.30	3.90	5.4	.....	5.6

JACKSONVILLE, FLA.

[φ=30° 20′ N.; λ=81° 39′ W.]

January	30.048	30.337	29.484	49.3	56.1	62.8	46.4	54.6	72	30	45	49	86	78	0.321	0.358	2.24	1.53	4.8	3.0	5.3
February	30.115	30.421	29.660	47.9	54.8	61.5	45.0	53.2	76	28	44	46	87	74	.313	.335	2.98	.89	4.7	2.6	4.0
March	30.105	30.406	29.717	61.0	68.2	76.6	58.8	67.7	85	45	58	58	92	72	.499	.489	1.16	.82	3.7	2.3	3.6
April	29.972	30.212	29.657	69.7	72.4	82.0	65.5	73.8	89	49	64	64	83	76	.612	.601	2.93	1.27	4.8	4.3	5.3
May	29.960	30.176	29.721	71.3	74.8	84.3	66.2	75.2	92	48	65	64	80	71	.632	.618	3.07	.75	2.5	4.3	3.8
June	29.991	30.149	29.853	76.4	77.6	85.7	71.2	78.4	93	65	71	71	84	81	.762	.757	4.35	1.39	3.8	4.5	4.9
July	29.998	30.192	29.830	77.6	79.0	87.2	73.2	80.2	94	70	74	74	88	85	.828	.834	9.68	2.47	4.6	5.9	6.1
August	29.964	30.107	29.815	77.8	79.2	87.3	73.6	80.4	95	68	74	74	88	85	.836	.836	2.90	.91	3.6	4.7	5.0
September	29.961	30.118	29.720	73.8	75.4	82.3	70.3	76.3	90	64	71	71	92	88	.768	.769	21.79	6.69	5.7	5.8	6.7
October	29.982	30.187	29.653	62.7	67.2	73.9	60.0	67.0	82	48	60	63	90	87	.516	.583	2.97	1.69	4.2	3.7	4.6
November	30.082	30.316	29.753	57.4	63.8	72.2	55.1	63.6	81	40	55	58	92	84	.447	.506	.47	.29	2.8	2.0	3.8
December	30.085	30.309	29.726	55.2	61.0	69.1	52.4	60.8	80	39	52	55	90	82	.412	.447	.90	.55	5.6	3.6	4.8
Year	30.022	30.421	29.484	65.0	69.1	77.1	61.5	69.3	95	28	61	62	88	80	.579	.594	55.44	6.69	4.2	3.9	4.8

JUPITER, FLA.

[φ=26° 57′ N.; λ=80° 7′ W.]

January	30.049	30.229	29.661	60.9	64.1	71.7	57.4	64.6	82	40	56	58	84	81	0.468	0.498	4.04	1.51	6.2	4.1	5.5
February	30.104	30.337	29.819	58.6	62.4	69.8	54.2	62.0	82	40	52	55	80	78	.423	.465	1.96	1.07	4.5	3.4	4.6
March	30.107	30.258	29.843	69.5	71.6	78.1	66.3	72.2	88	61	65	66	85	83	.613	.642	.67	.39	4.8	2.9	4.3
April	29.989	30.180	29.742	75.7	75.9	83.2	69.6	76.4	90	65	70	69	83	81	.736	.719	.99	.60	4.3	3.8	4.5
May	29.971	30.146	29.812	76.8	76.0	84.5	69.6	77.0	92	58	68	69	76	78	.704	.703	3.05	1.63	4.1	4.8	4.7
June	29.989	30.133	29.857	79.1	77.3	84.7	71.7	78.2	90	69	73	72	82	84	.817	.782	9.75	3.39	6.1	7.1	6.5
July	30.008	30.138	29.734	81.2	79.0	88.0	74.0	81.0	95	70	75	74	82	85	.868	.834	4.27	.73	5.1	6.6	5.1
August	29.978	30.112	29.882	80.3	78.3	87.0	73.8	80.4	90	70	75	73	85	85	.875	.818	9.20	2.08	4.6	7.0	5.8
September	29.921	30.077	29.654	79.7	79.3	85.8	74.5	80.2	89	71	74	73	83	82	.842	.817	5.72	.91	6.7	6.1	5.3
October	29.906	30.104	29.668	73.5	74.8	80.2	69.5	74.8	85	56	68	68	83	81	.681	.696	20.43	8.37	6.2	5.7	5.8
November	30.048	30.260	29.724	69.6	70.7	76.9	65.1	71.0	82	52	63	64	81	80	.597	.606	8.96	5.06	4.2	4.5	4.9
December	30.071	30.253	29.765	66.7	69.7	76.4	63.0	69.7	83	48	61	62	82	76	.554	.562	1.38	1.10	5.7	3.8	5.1
Year	30.012	30.337	29.654	72.6	73.3	80.5	67.4	74.0	95	40	67	67	82	81	.682	.678	70.42	8.37	5.2	5.0	5.2

KALISPELL, MONT.

[φ=48° 10′ N.; λ=114° 25′ W.]

January	26.981	27.460	26.511	20.7	26.9	32.9	15.8	24.4	45	−14	17	20	85	76	0.097	0.110	1.70	0.83	5.6	5.9	6.3
February	26.940	27.400	26.494	20.9	30.0	34.0	18.3	26.2	48	−13	18	24	86	77	.101	.129	.81	.18	7.4	7.2	7.2
March	26.883	27.358	26.371	26.6	38.3	43.1	24.1	33.6	58	7	22	25	82	59	.120	.133	1.92	.46	7.5	7.0	6.6
April	26.916	27.250	26.464	34.6	53.3	57.5	33.2	45.4	74	22	29	30	78	43	.159	.169	.71	.49	6.6	6.0	4.9
May	26.831	27.141	26.381	41.2	54.0	58.4	39.8	49.1	78	33	38	41	87	66	.225	.263	4.21	.74	8.2	7.5	7.0
June	26.847	27.181	26.563	46.5	63.3	67.9	44.5	56.2	85	37	42	43	86	52	.271	.285	2.48	1.07	6.6	6.5	4.8
July	26.973	27.224	26.750	52.7	77.7	80.9	51.4	66.2	92	39	46	48	78	38	.314	.344	1.44	.74	3.0	3.8	2.5
August	26.936	27.223	26.721	48.1	72.8	76.5	47.3	61.9	92	36	41	43	77	38	.257	.283	.88	.34	3.7	4.9	3.4
September	26.949	27.220	26.694	43.2	64.8	70.2	41.2	55.7	88	26	37	41	80	46	.230	.269	2.01	1.17	4.0	5.2	3.5
October	26.941	27.293	26.360	35.7	46.4	53.0	33.7	43.4	68	24	32	36	88	68	.186	.213	1.53	.52	6.4	6.6	5.4
November	27.021	27.400	26.644	29.2	30.5	43.3	26.0	34.6	65	9	25	29	84	74	.138	.166	.35	.11	5.1	5.9	6.5
December	26.988	27.377	26.567	22.2	27.1	31.0	19.3	25.2	45	3	18	21	82	77	.100	.115	.47	.12	7.5	6.5	8.2
Year	26.934	27.460	26.360	35.1	49.3	54.1	32.9	43.5	92	−14	30	33	83	60	.183	.207	18.51	1.17	6.0	6.1	5.5

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

IOLA, KANS.

[H=984 ft.; h_t=11 ft.; h_r=3 ft.; h_a=50 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	9.7	SW.	33	N.	0	8	3	1	3	5	7	3	1	0	13	13	5	2	2	1	0	0	1	0	27	0	0
February	10.0	NW.	38	NE.	0	2	3	3	4	4	3	3	7	0	5	16	8	10	8	2	0	2	2	0	18	2	0
March	9.3	NE.	32	SW.	0	7	5	2	3	6	2	2	2	2	5	10	16	6	4	0	0	2	0	0	9	1	0
April	8.7	S.	35	NW.	0	5	3	2	4	4	4	1	5	2	0	18	12	10	10	0	1	2	0	0	2	8	0
May	8.8	S.	36	SE.	0	1	5	4	4	9	2	3	3	0	9	8	14	11	10	0	1	1	0	0	0	9	0
June	8.3	S.	39	NE.	0	4	4	5	5	9	1	1	1	0	3	18	9	15	14	0	1	0	0	1	0	11	0
July	5.3	SW.	23	N.	0	4	2	4	4	6	8	0	2	1	11	14	6	8	8	0	0	0	0	13	0	10	0
August	5.9	S.	36	NE.	0	5	4	3	4	8	4	2	0	1	13	10	8	9	8	0	0	0	0	16	0	7	0
September	5.0	SE.	26	NW.	0	2	2	6	9	3	3	1	0	4	10	12	8	6	6	0	0	2	0	0	2	3	0
October	8.8	S.	30	SW.	0	5	2	3	5	6	2	4	2	2	13	6	12	11	10	0	0	1	0	0	2	3	0
November	7.0	SW.	30	NW.	0	4	2	5	3	4	7	2	3	0	12	9	9	8	6	0	1	1	0	0	7	4	0
December	7.1	SW.	29	SW.	0	12	0	1	2	6	6	3	1	0	12	9	10	4	3	0	0	1	3	0	24	0	0
Year	7.8	S.	39	NE.	0	59	35	39	50	70	49	25	27	12	106	143	117	100	89	3	4	12	6	32	89	58	0

JACKSONVILLE, FLA.

[H=43 ft.; h_t=101 ft.; h_r=88 ft.; h_a=129 ft.]

January	10.7	SW.	59	SW.	2	11	10	4	5	2	13	6	11	0	10	13	8	4	4	0	0	0	0	0	1	0	0
February	11.2	NW.	38	SW.	0	5	11	1	10	2	8	4	17	0	17	5	7	10	10	0	0	0	0	0	1	1	0
March	10.4	SW.	68	S.	1	5	10	7	10	7	17	4	1	1	18	9	4	5	2	0	0	2	0	0	0	2	0
April	9.7	SW.	51	SW.	2	3	6	5	15	10	11	6	4	0	8	16	6	11	11	0	0	0	0	0	0	9	0
May	8.9	S.	38	SW.	0	3	4	4	21	8	9	6	7	0	18	10	3	8	6	0	1	0	0	6	0	10	0
June	8.2	NE.	68	SW.	1	8	8	9	13	6	11	5	0	0	12	13	5	11	9	0	1	0	0	3	0	13	0
July	8.3	SW.	54	SW.	2	5	7	6	14	6	13	7	4	0	4	17	10	19	16	0	0	1	0	8	0	18	0
August	9.5	SW.	53	S.	2	8	3	11	9	11	15	4	1	0	11	13	7	12	8	0	0	0	0	7	0	12	0
September	9.1	NE.	57	W.	1	10	23	8	10	5	1	1	2	0	5	12	13	15	13	0	0	0	0	1	0	6	0
October	9.9	NE.	31	NE.	0	22	18	3	3	2	2	4	8	0	14	8	9	6	5	0	0	0	0	0	0	2	0
November	7.6	NE.	30	NE.	0	10	18	6	4	1	9	3	9	0	15	12	3	6	4	0	0	5	0	0	0	0	0
December	8.1	SW.	38	W.	0	14	12	5	5	2	10	9	5	0	12	10	9	5	4	0	0	4	0	0	0	0	0
Year	9.3	NE.	68	S.	11	104	130	69	119	62	119	59	69	1	144	138	84	112	92	0	2	12	0	25	2	73	0

JUPITER, FLA.

[H=28 ft.; h_t=10 ft.; h_r=3 ft.; h_a=48 ft.]

January	11.9	NW.	45	W.	2	14	3	9	9	2	10	9	6	0	10	14	7	9	9	0	0	0	0	0	0	0	0
February	13.5	NW.	35	E.	0	12	3	5	11	2	9	4	12	0	10	14	5	11	7	0	0	0	0	0	0	0	0
March	11.9	E.	34	S.	0	2	3	21	9	9	9	7	2	0	10	20	1	4	3	0	0	0	0	0	0	0	0
April	10.9	SE.	36	W.	0	2	3	1	12	12	14	9	7	0	11	17	2	5	5	0	0	0	0	0	0	4	0
May	11.0	SE.	38	SW.	0	5	5	11	11	5	12	10	3	0	10	18	3	9	9	0	0	0	0	4	0	6	0
June	8.1	SE.	36	W.	0	2	8	8	11	7	10	10	4	0	0	19	11	21	17	0	0	0	0	1	0	8	0
July	8.8	W.	38	SE.	0	5	3	2	12	8	11	16	5	0	5	22	4	17	12	0	0	0	0	9	0	13	0
August	7.8	SW.	36	E.	0	4	4	7	4	5	24	10	4	0	3	21	7	22	16	0	0	0	0	2	0	15	0
September	9.6	E.	35	SE.	0	8	9	13	13	5	7	2	3	0	2	26	2	24	14	0	0	0	0	0	0	13	0
October	12.8	NE.	48	NW.	1	17	18	11	4	2	2	0	8	0	7	15	9	17	15	0	0	0	0	0	0	5	0
November	10.9	E.	33	SE.	0	9	3	16	13	3	1	6	9	0	9	15	6	15	12	0	0	0	0	0	0	2	0
December	9.4	SE.	26	NE.	0	14	6	12	11	4	7	4	4	0	6	23	2	7	4	0	0	0	0	0	0	0	0
Year	10.6	SE.	48	NW.	3	94	68	116	120	64	116	87	67	0	83	224	59	161	123	0	0	0	0	16	0	66	0

KALISPELL, MONT.

[H=2,962 ft.; h_t=11 ft.; h_r=4 ft.; h_a=34 ft.]

January	4.4	NW.	30	SW.	0	2	1	0	2	1	9	20	24	3	8	9	14	9	8	8	0	0	16	0	31	0	0
February	3.5	W.	19	SW.	0	3	3	1	7	5	4	18	15	2	5	6	18	15	8	12	0	1	8	0	27	0	0
March	5.9	W.	29	SW.	0	4	1	0	4	9	16	18	10	0	7	8	16	13	8	7	0	0	1	0	22	0	0
April	6.3	SW.	29	W.	0	7	0	0	9	6	13	16	9	0	11	14	5	8	3	2	0	0	0	0	16	0	0
May	4.5	W.	29	W.	0	5	1	0	25	8	2	11	8	2	5	9	17	19	16	0	0	0	0	0	0	3	0
June	5.2	W.	25	SW.	0	3	1	0	13	8	4	16	13	2	8	17	5	12	5	0	1	0	0	0	0	3	0
July	5.2	NW.	23	SE.	0	3	3	1	12	3	6	17	16	1	21	9	1	6	6	0	0	0	0	4	0	6	0
August	5.1	W.	21	S.	0	4	0	3	11	1	6	20	15	2	19	8	4	6	4	0	0	0	0	1	0	3	0
September	5.0	W.	24	SW.	0	7	0	0	9	3	12	19	9	1	16	10	4	7	5	0	0	0	0	0	4	2	1
October	3.8	W.	21	SW.	0	3	1	0	13	7	7	17	12	2	11	8	12	11	8	0	0	0	0	0	12	0	0
November	3.4	W.	26	N.	0	5	0	0	4	9	3	24	14	1	7	8	15	7	4	3	0	0	3	0	25	0	0
December	4.4	NW.	31	SW.	0	0	0	0	6	4	12	18	21	1	2	7	22	12	3	9	0	0	17	0	29	0	0
Year	4.7	W.	31	SW.	0	46	11	5	115	64	94	214	166	17	120	113	133	125	78	41	1	1	45	5	166	17	1

[a] By eye observations where there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

KANSAS CITY, MO.

[ϕ=39° 5′ N.; λ=94° 37′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.				Extremes.			Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.042	29.629	28.579	28.7	37.7	43.8	24.7	34.2	59	4	20	22	69	53	0.114	0.123	0.13	0.08	4.0	2.6	3.5
February	29.029	29.446	28.416	28.1	37.1	43.2	25.7	34.4	59	4	22	26	75	64	.125	.147	2.77	1.41	4.4	4.7	4.4
March	28.985	29.601	28.534	38.9	52.4	59.0	36.3	47.6	81	21	32	34	76	52	.184	.207	.86	.48	4.8	5.3	5.8
April	28.917	29.328	28.109	49.0	59.6	65.2	46.6	55.9	82	24	41	44	74	59	.284	.316	2.13	.80	5.8	4.4	5.5
May	28.808	29.058	28.433	58.8	68.5	72.8	55.8	64.3	90	36	52	54	80	62	.418	.441	5.09	1.08	5.4	4.9	4.8
June	28.928	29.292	28.632	66.5	76.0	79.3	63.3	71.3	88	55	61	64	83	66	.546	.597	9.75	3.18	6.5	4.0	5.3
July	29.015	29.254	28.761	70.7	80.0	85.1	67.5	76.3	93	55	64	66	79	63	.594	.642	2.18	.68	3.5	4.4	4.0
August	28.966	29.126	28.661	69.0	79.9	84.7	66.5	75.6	94	57	62	64	80	60	.574	.613	4.97	1.28	4.4	3.5	3.6
September	29.014	29.258	28.782	64.1	75.5	81.6	62.2	71.9	91	37	57	57	78	54	.480	.478	.25	.25	2.9	2.5	3.2
October	29.019	29.396	28.666	48.4	58.3	64.6	46.8	55.7	85	32	42	43	78	60	.277	.297	8.47	4.90	4.3	4.1	4.3
November	29.016	29.546	28.367	39.9	48.5	54.9	37.2	46.0	77	21	34	36	79	65	.203	.223	2.61	.82	3.9	3.5	4.3
December	29.050	29.643	28.646	32.1	40.0	45.3	29.4	37.4	61	9	24	28	72	62	.136	.155	.27	.20	3.8	2.4	4.6
Year	28.982	29.643	28.109	49.5	59.5	65.0	46.8	55.9	94	4	43	45	77	60	.328	.353	39.48	4.90	4.5	3.9	4.4

KEOKUK, IOWA.

[ϕ=40° 22′ N.; λ=91° 26′ W.]

January	29.385	29.969	28.752	24.0	31.4	39.0	21.7	30.4	55	0	20	22	82	68	0.110	0.121	0.51	0.15	4.3	3.2	4.0
February	29.401	29.837	28.752	23.7	30.2	36.3	21.5	28.9	59	− 2	20	24	84	75	.116	.132	2.86	.91	4.3	5.2	4.4
March	29.366	29.977	28.834	36.9	46.9	55.5	34.1	44.8	75	18	31	33	78	61	.176	.199	1.76	.84	5.5	6.9	4.4
April	29.276	29.790	28.488	46.4	57.0	64.1	43.3	53.7	80	24	40	40	80	56	.263	.274	1.82	.56	5.4	6.2	4.2
May	29.196	29.570	28.882	57.7	65.7	72.4	53.9	63.2	87	30	52	54	82	68	.417	.440	10.09	2.80	5.3	6.5	4.8
June	29.333	29.635	29.032	65.5	73.9	79.0	61.4	70.2	90	48	58	62	79	67	.506	.564	4.32	1.38	4.9	5.0	3.8
July	29.383	29.590	29.047	70.3	79.5	85.2	67.0	76.1	94	57	64	65	82	64	.607	.634	3.70	1.15	4.1	4.7	3.5
August	29.346	29.545	29.065	67.3	77.8	84.7	64.3	74.5	95	54	60	62	79	61	.540	.581	2.50	1.52	3.0	4.5	3.0
September	29.399	29.620	29.133	61.4	73.5	82.8	58.9	70.8	93	33	54	57	79	57	.440	.479	2.22	2.03	2.0	3.1	2.3
October	29.417	29.835	28.989	46.5	57.1	64.3	44.6	54.4	85	31	40	41	79	58	.253	.271	.87	.36	3.5	3.1	3.6
November	29.376	29.864	28.756	37.4	46.3	54.7	35.6	45.2	70	19	32	32	79	60	.190	.197	3.05	1.14	4.5	3.5	4.4
December	29.412	30.015	28.989	27.5	34.7	41.8	25.0	33.4	60	3	22	25	77	65	.123	.138	.58	.28	4.0	3.8	4.4
Year	29.358	30.015	28.488	47.0	56.2	63.3	44.3	53.8	95	− 2	41	43	80	63	.312	.336	34.28	2.80	4.2	4.6	3.9

KEY WEST, FLA.

[ϕ=24° 33′ N.; λ=81° 48′ W.]

January	30.052	30.200	29.742	66.2	67.7	73.6	63.7	68.6	83	51	60	60	82	77	0.540	0.534	0.63	0.29	4.3	2.4	3.6
February	30.086	30.315	29.852	64.5	65.8	72.0	61.3	66.6	80	51	57	58	77	76	.486	.498	1.73	.99	4.3	2.2	3.9
March	30.089	30.214	29.941	72.4	73.0	80.0	69.5	74.8	84	63	66	65	79	77	.630	.623	.48	.48	1.7	2.5	2.5
April	29.989	30.128	29.791	78.9	77.8	84.9	74.8	79.8	89	70	70	70	76	77	.747	.739	.18	.12	2.8	1.1	2.4
May	29.968	30.092	29.824	80.3	79.2	85.6	75.2	80.4	88	71	71	70	74	73	.766	.730	.60	.30	3.8	3.7	3.6
June	29.986	30.121	29.867	80.9	79.8	85.9	74.6	80.2	88	70	73	72	77	78	.803	.798	11.43	3.93	5.7	6.2	6.0
July	30.016	30.108	29.828	83.1	82.2	88.3	77.6	83.0	91	71	74	73	73	75	.822	.817	1.25	.59	4.6	4.4	4.6
August	29.980	30.093	29.897	82.7	81.0	88.6	75.8	82.2	91	71	74	74	76	80	.852	.844	7.74	2.21	5.8	5.6	6.2
September	29.904	30.062	29.684	82.0	80.6	88.1	76.5	82.3	90	70	74	74	77	81	.839	.844	7.14	4.35	5.0	4.9	5.7
October	29.900	30.087	29.727	76.7	76.4	81.5	72.9	77.2	86	67	70	69	80	78	.731	.717	6.29	3.61	4.3	2.9	4.6
November	30.038	30.221	29.808	72.3	72.6	78.7	69.3	74.0	84	60	66	66	81	80	.646	.643	.66	.50	3.4	1.7	3.0
December	30.060	30.224	29.833	70.6	71.1	77.4	67.6	72.5	84	59	65	66	83	84	.626	.640	.70	.62	4.7	2.5	4.1
Year	30.006	30.315	29.684	75.9	75.6	82.0	71.6	76.8	91	51	68	68	78	78	.707	.702	38.83	4.35	4.2	3.3	4.2

KNOXVILLE, TENN.

[ϕ=35° 56′ N.; λ=83° 58′ W.]

January	29.007	29.398	28.211	32.8	39.4	44.3	29.2	36.8	60	15	27	28	80	65	0.154	0.164	4.04	1.25	7.4	5.2	6.9
February	29.058	29.480	28.418	32.7	40.8	46.5	30.2	38.4	70	12	26	28	77	60	.153	.170	2.87	1.14	5.5	5.0	7.2
March	29.037	29.550	28.672	49.5	58.9	65.5	45.2	55.4	83	30	44	43	82	59	.302	.291	3.25	.95	7.8	5.9	7.6
April	28.945	29.253	28.530	54.9	66.0	72.8	51.3	62.0	84	32	47	46	76	50	.343	.330	3.02	1.45	7.5	5.9	6.8
May	28.919	29.195	28.560	62.6	70.2	77.7	58.7	68.2	90	36	57	58	83	66	.486	.490	2.15	1.04	5.8	6.4	6.2
June	29.017	29.177	28.836	69.6	77.4	83.7	64.8	74.2	95	54	62	61	77	60	.559	.554	2.07	1.23	5.1	5.0	5.7
July	29.035	29.235	28.884	71.8	78.4	86.4	68.0	77.2	92	62	67	67	85	69	.656	.660	3.90	1.44	5.6	6.7	6.6
August	28.977	29.212	28.723	69.6	77.7	84.9	66.7	75.8	93	59	65	66	87	69	.632	.654	3.95	1.47	6.4	6.1	6.5
September	29.044	29.282	28.771	61.9	73.5	80.9	59.1	70.0	90	40	58	60	86	64	.480	.529	1.78	1.54	4.0	2.6	3.8
October	29.064	29.383	28.838	48.8	61.4	68.9	47.2	58.0	81	38	45	45	87	58	.302	.313	2.57	1.31	3.9	2.9	3.9
November	29.070	29.422	28.726	42.9	53.8	61.1	40.5	50.8	74	23	37	39	82	59	.239	.260	3.13	1.66	5.3	3.4	5.4
December	29.071	29.450	28.678	39.2	44.7	50.1	35.6	42.8	68	24	34	35	82	69	.211	.213	5.65	1.80	7.7	6.1	6.8
Year	29.020	29.550	28.211	53.0	61.8	68.6	49.7	59.1	95	12	47	48	82	62	.376	.386	38.38	1.80	6.0	5.1	6.1

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

KANSAS CITY, MO.

[H=963 ft.; h_t=161 ft.; h_r=141 ft.; h_a=181 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Aurora.
	Miles.		*Mi.*																								
January	15.5	S.	49	NW.	3	15	1	6	2	15	8	0	15	0	18	7	6	2	2	1	0	0	4	0	27	0	0
February	16.2	NW.	53	NW.	6	4	6	9	8	6	4	6	15	0	10	11	8	10	7	2	0	0	2	0	20	1	0
March	14.5	N.	56	S.	8	11	9	7	7	9	9	3	7	0	7	18	6	2	2	0	0	3	0	0	8	2	0
April	14.4	S.	44	N.	3	9	3	6	7	15	5	4	11	0	10	12	8	11	5	0	1	0	0	0	2	6	0
May	14.3	S.	52	NW.	4	4	8	7	13	14	6	2	7	1	10	15	6	12	11	0	2	0	0	1	0	11	0
June	13.3	S.	57	N.	4	7	5	8	13	19	3	2	3	0	8	16	6	16	12	0	2	0	0	0	0	14	0
July	9.2	S.	37	N.	0	12	5	10	9	17	4	0	5	0	15	12	4	9	5	0	0	0	0	9	0	10	0
August	10.3	S.	45	NW.	2	12	7	8	11	18	2	2	2	0	16	12	3	12	10	0	0	0	0	9	0	7	0
September	10.2	S.	41	NW.	1	9	3	5	14	23	3	1	2	0	18	10	2	2	2	0	0	1	0	1	0	0	0
October	14.3	S.	45	S.	2	15	2	5	10	17	4	5	3	1	16	7	8	9	7	2	0	3	0	0	1	4	0
November	11.7	SW.	37	SW.	0	9	4	4	5	6	14	6	12	0	13	10	7	9	7	2	0	2	1	0	7	5	0
December	12.5	S.	45	NW.	1	9	2	2	4	14	12	6	13	0	15	7	9	3	2	0	0	2	4	0	18	0	0
Year	13.0	S.	57	N.	34	116	55	77	103	173	74	37	95	2	156	137	73	97	72	7	5	11	11	20	83	60	0

KEOKUK, IOWA.

[H=614 ft.; h_t=64 ft.; h_r=56 ft.; h_a=78 ft.]

January	8.7	NW.	31	NW.	0	3	2	5	5	12	8	3	23	1	16	8	7	5	4	4	0	3	5	0	29	0	0
February	11.0	NW.	38	W.	0	5	2	16	2	5	6	9	13	0	15	5	9	7	3	0	3	11	0	26	1	0	
March	8.8	NW.	39	SW.	0	7	11	5	3	10	8	1	17	0	15	8	8	6	6	0	2	0	0	0	12	4	0
April	9.2	NW.	35	SW.	0	3	3	4	10	6	10	8	14	2	12	12	6	9	9	0	0	3	0	0	4	4	0
May	8.3	SE.	38	SW.	0	3	12	3	10	6	13	4	10	1	10	13	8	16	14	0	5	0	0	0	1	13	0
June	7.5	E.	36	SW.	0	4	3	13	9	11	9	2	9	0	14	12	4	13	10	0	0	0	0	0	0	10	0
July	5.3	S.	36	SW.	0	7	9	2	9	10	11	2	7	5	16	13	2	8	7	0	0	0	0	7	0	12	0
August	4.9	S.	30	SW.	0	13	6	6	6	13	6	3	4	5	20	8	3	5	5	0	0	1	0	9	0	5	0
September	5.6	S.	25	SE.	0	1	9	5	8	14	6	2	9	6	20	9	1	3	3	0	0	0	0	9	0	3	1
October	7.4	NW.	28	SW.	0	8	4	6	12	8	8	4	10	2	20	4	7	7	6	0	0	2	0	0	1	2	0
November	7.9	SW.	32	SW.	0	5	5	4	5	6	22	8	5	0	14	7	9	6	6	0	0	0	1	0	9	3	0
December	7.6	SW.	30	W.	0	3	2	5	5	10	14	11	12	0	16	6	9	4	4	3	0	2	3	0	26	0	0
Year	7.7	NW.	39	SW.	0	62	68	74	84	111	121	57	133	22	188	105	73	91	81	10	7	14	20	25	108	57	1

KEY WEST, FLA.

[H=22 ft.; h_t=10 ft.; h_r=3 ft.; h_a=53 ft.]

January	11.0	NE.	50	W.	3	6	23	12	3	3	3	3	8	1	16	12	3	6	5	0	0	0	0	0	0	1	0
February	11.6	NE.	40	NW.	1	9	19	9	5	5	1	0	10	0	13	14	2	9	6	0	0	0	0	0	0	2	0
March	10.0	E.	27	SW.	0	4	15	26	12	4	0	0	1	0	23	8	0	2	2	0	0	0	0	0	0	1	0
April	8.7	E.	35	W.	0	7	2	23	13	7	2	1	3	2	24	6	0	2	2	0	0	0	0	0	0	1	0
May	9.4	E.	42	SW.	1	7	4	22	8	8	2	2	9	0	16	14	1	6	4	0	0	0	0	0	0	3	0
June	6.4	SE.	28	W.	0	3	12	13	17	6	3	5	1	0	7	15	8	16	15	0	0	0	0	0	0	13	0
July	8.4	E.	38	NW.	0	2	3	18	18	2	7	6	6	0	10	16	5	11	8	0	0	0	0	6	0	9	0
August	6.1	S.	40	W.	1	1	13	8	18	12	6	3	0	1	4	18	9	16	16	0	0	0	0	10	0	12	0
September	7.1	E.	32	NW.	0	2	15	15	14	6	4	0	4	0	4	20	6	19	16	0	0	0	0	0	0	14	0
October	10.3	NE.	30	NE.	0	7	39	5	4	1	1	1	4	0	15	7	9	10	7	0	0	0	0	0	0	4	0
November	9.5	NE.	30	NW.	0	7	32	12	4	1	0	2	2	0	21	7	2	5	3	0	0	0	0	0	0	1	0
December	8.0	NE.	30	W.	0	6	35	13	2	1	0	4	1	0	13	16	2	6	2	0	0	0	0	0	0	0	0
Year	8.9	NE.	50	W.	6	61	212	176	118	56	29	27	49	4	166	153	47	108	86	0	0	0	0	16	0	61	0

KNOXVILLE, TENN.

[H=996 ft.; h_t=93 ft.; h_r=84 ft.; h_a=100 ft.]

January	5.7	NE.	34	W.	0	10	17	7	2	3	10	8	3	2	5	9	17	10	8	2	1	2	2	0	20	1	0
February	6.4	W.	31	W.	0	2	13	6	1	3	13	15	3	2	4	8	17	11	9	0	0	3	1	0	17	0	0
March	6.7	SW.	34	SW.	0	8	16	5	2	2	24	5	0	0	2	10	19	9	8	1	0	3	0	0	2	5	0
April	5.6	SW.	25	W.	0	7	13	4	1	5	18	7	4	1	6	9	15	11	9	0	0	0	0	0	1	2	0
May	5.0	SW.	25	W.	0	4	10	6	4	3	22	8	4	1	7	11	13	13	8	0	0	1	0	0	0	8	0
June	4.4	NE.	24	S.	0	7	20	6	3	4	14	4	2	0	8	13	9	8	4	0	0	0	0	2	0	6	0
July	4.0	NE.	27	SW.	0	9	17	8	5	3	13	1	4	2	5	11	15	14	11	0	0	0	0	4	0	14	0
August	3.6	NE.	20	SE.	0	11	14	12	8	5	7	2	1	2	4	14	13	10	8	0	0	0	0	7	0	9	0
September	3.3	NE.	23	NW.	0	7	26	13	2	2	5	1	1	3	15	8	7	2	2	0	0	1	0	0	0	2	0
October	3.7	NE.	17	NW.	0	9	19	13	3	4	9	2	0	3	18	5	8	7	6	0	0	3	0	0	0	1	0
November	4.6	SW.	26	SW.	0	5	17	9	0	3	19	5	1	1	11	7	12	10	6	2	0	3	0	0	6	3	0
December	5.3	SW.	30	W.	0	10	9	8	0	4	18	6	7	0	7	7	17	14	10	1	0	0	0	0	9	0	0
Year	4.9	NE.	34	SW.	0	89	191	97	31	41	172	64	30	17	92	112	162	119	89	6	1	16	3	13	55	51	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

LA CROSSE, WIS.

[ϕ = 43° 49′ N.; λ = 91° 15′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.241	29.831	28.622	17.4	24.1	30.7	12.5	21.6	50	−13	12	....	78	....	0.079	.....	0.34	0.31	5.6	4.4	5.8
February	29.280	29.858	28.781	18.2	25.8	30.7	14.6	22.6	50	−11	12	....	76	....	.083	.....	1.71	.58	6.4	5.8	6.7
March	29.227	29.715	28.392	29.1	36.6	43.3	26.5	34.9	67	10	22	....	75	....	.122	.....	1.92	1.21	6.7	6.5	6.6
April	29.128	29.789	28.248	41.5	52.2	58.6	37.5	48.0	83	18	32	....	70	....	.198	.....	2.99	1.02	5.9	5.5	5.3
May	29.090	29.496	28.813	52.6	62.6	69.1	48.2	58.6	87	28	46	....	80	....	.341	.....	8.37	1.59	7.0	6.8	7.0
June	29.203	29.555	28.907	62.3	70.0	75.6	56.7	66.2	86	44	55	....	78	....	.449	.....	5.87	2.59	5.8	5.7	6.2
July	29.276	29.518	28.915	66.7	76.4	82.2	62.2	72.2	95	52	62	....	85	....	.568	.....	2.81	1.18	6.3	5.1	5.5
August	29.248	29.499	29.071	60.9	73.4	80.4	57.1	68.8	93	46	58	....	89	....	.485	.....	1.76	.97	6.6	4.4	5.4
September	29.268	29.524	28.927	58.1	69.9	80.1	55.7	67.9	93	31	53	....	85	....	.423	.....	2.82	2.05	4.6	3.7	4.2
October	29.290	29.654	28.828	43.9	52.2	59.9	41.3	50.6	78	23	38	....	80	....	.237	.....	1.28	.60	5.5	4.7	5.5
November	29.196	29.668	28.581	31.2	39.0	46.5	28.1	37.3	59	10	26	....	81	....	.147	.....	.59	.31	5.3	4.5	6.4
December	29.233	29.777	28.797	19.7	24.4	30.9	14.2	22.6	46	− 2	16	....	82	....	.091	.....	1.11	.73	3.3	4.8	6.2
Year	29.223	29.858	28.248	41.8	50.6	57.3	37.9	47.6	95	−13	36	....	80	....	.269	.....	31.57	2.59	5.8	5.2	5.9

LANDER, WYO.

[ϕ = 42° 50′ N.; λ = 108° 45′ W.]

January	24.653	25.025	24.327	13.1	24.3	34.4	5.6	20.0	50	−13	7	16	76	69	0.058	0.089	0.59	0.47	3.1	3.7	4.1
February	24.593	24.936	24.106	13.3	30.1	37.4	8.1	22.8	59	−21	9	21	82	67	.066	.112	1.52	.62	3.5	4.1	4.7
March	24.573	25.009	24.122	22.5	39.2	44.3	17.3	30.8	67	− 3	16	21	75	52	.092	.115	1.49	.67	4.5	5.8	5.7
April	24.599	24.806	24.146	31.7	56.9	61.0	30.0	45.5	77	8	25	28	76	36	.140	.153	1.57	.78	3.4	3.9	3.9
May	24.486	24.763	24.132	39.4	57.5	61.0	35.7	48.4	76	27	36	34	87	47	.211	.199	3.66	.90	6.1	6.8	6.3
June	24.598	24.999	24.261	47.0	65.3	69.7	42.1	55.9	84	33	40	38	78	40	.252	.236	1.50	.73	4.7	6.4	4.2
July	24.782	25.020	24.513	54.3	78.4	82.6	50.6	66.6	92	37	47	45	78	34	.327	.309	.40	.18	3.6	5.0	3.8
August	24.725	24.985	24.417	50.5	73.9	77.9	47.6	62.8	93	29	43	44	76	39	.283	.298	1.52	.56	3.8	3.5	3.7
September	24.727	25.026	24.397	43.9	68.8	74.0	39.4	56.7	90	19	34	36	70	35	.199	.220	.66	.50	4.1	4.2	4.6
October	24.657	24.973	24.103	32.8	46.0	53.3	28.4	40.8	75	13	24	31	70	58	.128	.176	4.57	2.04	5.5	6.3	6.2
November	24.719	25.117	24.268	21.0	31.9	43.1	16.6	29.8	66	− 8	14	21	74	64	.098	.116	.71	.30	3.8	4.2	4.1
December	24.638	24.913	24.309	13.3	22.2	31.0	7.2	19.1	50	−19	9	14	82	70	.068	.087	1.03	.98	3.7	4.6	5.1
Year	24.646	25.117	24.103	31.9	49.5	55.8	27.4	41.6	93	−21	25	29	77	51	.159	.176	19.22	2.04	4.2	4.9	4.7

LA SALLE, ILL.

[ϕ = 41° 20′ N.; λ = 89° 5′ W.]

January	29.483	29.945	28.783	23.2	.....	34.6	19.2	26.9	50	− 1	20	....	84	....	0.110	.....	0.96	0.49	5.1	.....	5.0
February	29.501	30.072	28.942	22.3	.....	32.3	19.3	25.8	52	− 4	18	....	82	....	.108	.....	2.76	.82	5.8	.....	5.8
March	29.471	30.054	28.806	36.3	.....	49.9	32.3	41.1	73	22	32	....	84	....	.186	.....	3.07	1.04	6.3	.....	6.5
April	29.378	29.941	28.677	44.8	.....	61.2	40.2	50.7	79	24	39	....	80	....	.251	.....	2.89	1.09	6.0	.....	5.5
May	29.301	29.714	29.074	57.1	.....	70.5	52.8	61.6	87	31	51	....	80	....	.393	.....	6.69	1.50	6.1	.....	6.3
June	29.461	29.739	29.304	64.2	.....	79.5	58.5	69.0	92	42	57	....	77	....	.482	.....	2.68	1.52	4.7	.....	4.9
July	29.489	29.712	29.176	68.1	.....	84.9	63.6	74.2	96	52	63	....	83	....	.577	.....	3.72	.97	4.3	.....	5.1
August	29.471	29.672	29.242	64.5	.....	83.9	60.4	72.2	95	49	59	....	83	....	.517	.....	1.82	1.54	2.9	.....	3.9
September	29.523	29.712	29.217	59.2	.....	82.5	55.9	69.2	94	33	54	....	82	....	.427	.....	1.09	.50	2.8	.....	2.8
October	29.552	29.821	29.123	44.3	.....	65.1	42.5	53.8	83	25	37	....	78	....	.232	.....	.41	.21	3.9	.....	4.4
November	29.474	29.932	28.932	34.9	.....	51.3	31.8	41.6	69	18	30	....	82	....	.179	.....	1.02	.66	4.7	.....	4.9
December	29.512	30.104	29.146	24.7	.....	37.6	20.4	29.0	54	4	20	....	79	....	.109	.....	.83	.33	5.2	.....	5.5
Year	29.468	30.104	28.677	45.3	.....	61.1	41.4	51.3	96	− 4	40	....	81	....	.298	.....	28.54	1.54	4.8	.....	5.0

LEWISTON, IDAHO.

[ϕ = 46° 25′ N.; λ = 117° 2′ W.]

January	29.321	29.820	28.922	32.8	.....	44.1	29.7	36.9	56	7	29	....	84	....	0.158	.....	0.37	0.11	6.5	.....	6.9
February	29.283	29.695	28.741	33.0	.....	45.9	31.0	38.4	56	7	30	....	88	....	.168	.....	1.32	.44	7.7	.....	7.6
March	29.239	29.703	28.823	39.2	.....	53.9	36.8	45.4	65	28	32	....	76	....	.184	.....	1.19	.84	6.8	.....	7.1
April	29.252	29.592	28.826	42.3	.....	65.8	40.6	53.2	87	27	36	....	80	....	.217	.....	.96	.45	5.5	.....	5.0
May	29.111	29.422	28.676	47.2	.....	67.6	45.0	56.3	90	39	41	....	81	....	.260	.....	1.23	.35	6.5	.....	7.4
June	29.114	29.499	28.904	53.1	.....	78.2	52.3	65.2	101	41	45	....	76	....	.304	.....	.65	.22	4.6	.....	5.3
July	29.175	29.424	28.980	62.5	.....	93.2	61.2	77.2	108	48	48	....	61	....	.345	.....	.19	.12	3.2	.....	3.1
August	29.144	29.491	29.027	59.4	.....	88.5	58.5	73.5	102	46	46	....	63	....	.324	.....	1.03	.67	4.5	.....	3.5
September	29.230	29.568	28.990	52.8	.....	79.2	51.0	65.1	96	34	45	....	78	....	.314	.....	1.60	.86	3.1	.....	4.5
October	29.243	29.655	28.650	43.3	.....	61.0	41.3	51.2	80	30	40	....	89	....	.253	.....	1.33	.32	5.7	.....	7.2
November	29.334	29.646	28.920	36.9	.....	52.2	34.2	43.2	67	24	34	....	90	....	.200	.....	.63	.19	6.3	.....	7.0
December	29.377	29.844	28.998	31.4	.....	40.4	28.5	34.4	55	14	28	....	85	....	.150	.....	.41	.21	6.7	.....	7.7
Year	29.235	29.844	28.650	44.5	.....	64.2	42.5	53.3	108	7	38	....	79	....	.240	.....	10.91	.86	5.6	.....	6.0

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

LA CROSSE, WIS.

[H=714 ft.; h_t=11 ft.; h_r=3 ft.; h_a=48 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Aurora.
	Miles.		*Mi.*																								
January	6.7	S.	25	NW.	0	3	3	0	0	14	3	1	7	0	8	10	13	3	1	3	0	0	17	0	31	0	0
February	7.2	NW.	22	S.	0	5	1	1	5	4	1	3	9	0	7	4	18	9	7	4	0	0	18	0	27	1	0
March	6.5	NW.	28	SW.	0	1	4	1	5	6	1	3	9	1	4	12	15	7	6	5	0	0	5	0	21	1	0
April	7.6	SE.	24	SW.	0	5	1	2	8	5	2	2	5	0	10	9	11	13	8	2	0	0	0	0	10	2	0
May	5.7	S.	26	SW.	0	7	1	2	4	8	4	3	2	0	7	5	19	14	11	1	1	0	0	0	1	10	0
June	5.9	S.	25	SE.	0	1	2	0	9	9	2	3	4	0	6	9	15	12	12	0	0	0	0	0	0	8	0
July	3.9	SE.	19	NW.	0	7	1	0	8	7	4	2	2	0	10	10	11	13	10	0	0	0	0	5	0	8	0
August	4.1	S.	15	SW.	0	6	0	1	9	9	4	0	2	0	7	16	8	6	6	0	0	0	1	0	3	5	0
September	4.9	S.	17	S.	0	3	0	0	5	11	5	3	2	1	18	3	9	6	5	0	0	1	0	5	1	3	1
October	5.5	S.	19	S.	0	6	1	2	6	10	0	2	4	0	11	8	12	9	6	0	0	0	0	0	5	1	0
November	6.0	S.	24	SW.	0	0	1	0	5	16	2	4	2	0	4	12	14	9	3	3	0	1	4	0	21	1	0
December	6.0	S.	23	NW.	0	3	0	0	5	8	2	5	8	0	7	8	16	5	4	4	0	0	17	0	31	0	0
Year	5.8	S.	28	SW.	0	47	15	9	69	107	30	31	56	2	99	106	161	106	79	22	1	3	61	13	148	40	1

LANDER, WYO.

[H=5 372 ft.; h_t=26 ft.; h_r=18 ft.; h_a=36 ft.]

January	2.9	NE.	35	W.	0	6	13	6	4	9	12	3	7	2	11	17	3	4	4	4	0	0	13	0	31	0	0
February	2.8	NE.	26	SW.	0	5	14	2	10	7	6	4	10	0	6	21	2	4	3	4	0	0	8	0	29	0	0
March	4.8	SW.	32	W.	0	9	5	5	2	3	13	10	15	0	6	15	10	4	4	4	0	0	7	0	28	0	0
April	4.6	SW.	42	S.	1	6	7	1	7	5	15	11	7	1	16	6	8	5	4	3	0	0	0	0	17	2	0
May	4.4	NW.	32	S.	0	4	8	5	5	8	10	11	11	0	5	14	12	12	11	2	0	0	0	0	6	0	0
June	4.0	W.	26	W.	0	3	7	1	4	2	19	12	12	0	10	17	3	11	7	0	0	0	0	0	0	7	0
July	3.1	SW.	24	SW.	0	6	10	4	5	3	10	10	12	2	12	18	1	8	3	0	0	0	0	3	0	2	0
August	3.4	SW.	28	SW.	0	10	9	1	3	3	13	12	10	1	17	9	5	9	8	0	0	0	0	5	1	5	1
September	3.4	SW.	24	S.	0	5	3	4	5	5	18	13	7	0	12	12	6	5	3	2	0	0	0	1	4	4	0
October	3.4	SW.	36	SW.	0	0	12	0	7	7	19	10	6	1	4	16	11	10	10	8	0	0	1	0	22	0	0
November	2.2	SW.	14	NE.	0	7	6	1	3	5	21	7	10	0	11	17	2	4	3	4	0	0	6	0	29	0	0
December	2.6	SW.	30	NW.	0	8	2	9	4	6	15	9	9	0	8	18	5	3	2	3	0	0	14	0	31	0	0
Year	3.5	SW.	42	S.	1	69	96	39	59	63	171	112	116	7	118	180	68	79	62	34	0	0	49	9	198	20	1

LA SALLE, ILL.

[H=536 ft.; h_t=56 ft.; h_r=49 ft.; h_a=64 ft.]

January	9.6	SW.	34	W.	0	5	2	3	1	1	9	7	3	0	12	10	9	6	4	5	0	0	11	0	28	0	0
February	12.3	W.	34	W.	0	1	2	7	3	0	2	11	3	0	9	8	12	10	8	8	1	0	15	0	24	0	0
March	10.1	SW.	43	SW.	2	1	5	2	0	3	8	6	6	0	7	8	16	10	8	1	0	0	0	0	15	6	0
April	11.0	W.	36	S.	0	0	3	4	2	1	7	10	3	0	10	7	13	12	7	0	0	0	0	0	6	5	0
May	9.8	W.	42	SW.	1	1	4	4	5	4	3	4	6	0	5	12	14	17	16	0	2	0	0	0	1	9	0
June	8.6	SW.	39	NW.	0	1	5	6	1	2	8	3	4	0	11	13	6	10	9	0	0	0	0	2	0	7	0
July	5.9	SW.	27	SW.	0	2	8	7	0	2	6	1	5	0	10	12	9	11	11	0	0	0	0	7	0	13	0
August	5.3	NE.	54	NW.	1	2	10	5	2	0	6	3	2	1	15	11	5	6	3	0	0	1	0	8	0	5	0
September	5.9	SW.	26	W.	0	0	7	3	5	0	5	4	3	3	21	5	4	4	4	0	0	1	0	9	0	2	0
October	7.4	SW.	26	SW.	0	2	6	4	2	3	6	3	4	1	14	9	8	3	3	0	0	3	0	0	5	0	0
November	8.5	W.	37	W.	0	2	3	2	4	1	9	8	1	0	13	9	8	7	6	1	0	2	1	0	18	1	0
December	9.0	W.	31	W.	0	0	3	3	1	1	10	10	3	0	10	8	13	5	4	3	0	0	6	0	28	0	0
Year	8.6	SW.	54	NW.	4	17	58	50	26	18	79	70	43	5	137	112	117	101	83	18	3	7	33	26	125	48	0

LEWISTON, IDAHO.

[H=757 ft.; h_t=10 ft.; h_r=4 ft.; h_a=51 ft.]

January	5.5	E.	35	W.	0	0	3	12	8	1	5	1	0	1	6	6	19	8	4	1	0	0	2	0	20	0	0
February	4.4	E.	39	NW.	0	0	2	15	7	1	2	2	0	0	4	5	20	13	9	3	0	0	2	0	15	0	0
March	7.9	E.	45	W.	1	0	4	15	3	2	3	3	1	0	7	4	20	11	5	1	0	0	0	0	8	0	0
April	6.5	E.	56	W.	5	0	1	13	7	3	1	3	1	1	9	12	9	11	6	1	0	0	0	0	6	1	0
May	6.1	E.	42	W.	2	0	2	19	1	0	3	3	0	3	3	9	19	11	7	0	0	0	0	1	0	1	0
June	7.0	E.	45	W.	4	1	1	21	2	1	1	3	0	0	11	7	12	7	5	0	0	0	0	3	0	1	0
July	6.9	E.	46	N	5	0	0	25	3	1	0	2	0	0	19	6	6	2	2	0	0	0	0	19	0	5	0
August	5.8	E.	48	W.	3	0	2	24	1	0	2	1	0	1	17	9	5	6	3	0	0	0	0	17	0	5	0
September	4.4	E.	43	W.	1	0	1	20	1	0	1	5	0	2	9	14	7	8	8	0	0	0	0	10	0	3	0
October	4.1	E.	46	W.	1	0	0	14	10	1	2	3	0	1	2	10	19	12	9	0	0	0	0	0	3	0	0
November	3.5	E.	29	NW.	0	0	3	14	4	1	2	2	2	2	4	8	18	6	4	0	0	1	0	0	13	0	0
December	4.8	F.	43	W.	1	0	1	16	3	3	5	2	0	1	3	7	21	8	3	2	0	1	2	0	21	0	0
Year	5.6	E.	56	W.	23	1	20	208	50	14	27	30	4	12	94	97	175	103	65	8	0	2	6	50	86	16	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

LEXINGTON, KY.

[ϕ=38° 2′ N.; λ=84° 33′ W.]

Month.	Pressure.			Temperature.							Moisture.											
		Extremes.		Mean.					Extremes.		Dew point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.			
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.	
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*				
January	28.994	29.398	28.113	29.0	.....	40.6	25.5	33.0	55	10	24	....	81	....	0.130	.....	1.85	0.45	6.5	.....	6.9	
February	29.019	29.515	28.247	28.8	.....	40.5	25.9	33.2	63	5	25	....	84	....	.144	.....	4.81	2.28	7.7	.....	7.9	
March	29.006	29.602	28.550	44.3	.....	58.4	40.8	49.6	79	26	39	....	83	....	.253	.....	8.17	2.93	7.0	.....	5.9	
April	28.931	29.297	28.477	49.7	.....	64.3	45.1	54.7	81	26	42	....	77	....	.294	.....	4.99	1.15	5.9	.....	4.6	
May	28.876	29.187	28.468	60.6	.....	73.4	56.2	64.8	87	34	56	....	85	....	.467	.....	4.20	.85	6.3	.....	4.4	
June	29.017	29.193	28.866	67.0	.....	81.2	62.5	71.8	94	49	60	....	77	....	.524	.....	2.12	1.12	5.0	.....	4.2	
July	29.029	29.199	28.802	71.6	.....	85.5	66.5	76.0	92	56	64	....	77	....	.601	.....	3.60	1.05	4.6	.....	4.2	
August	28.980	29.189	28.885	68.5	.....	84.3	64.9	74.6	93	55	62	....	80	....	.563	.....	2.98	1.10	5.2	.....	3.4	
September	29.048	29.258	28.809	62.5	.....	83.8	59.8	71.8	92	40	54	....	75	....	.430	.....	.38	.38	2.5	.....	1.8	
October	29.077	29.373	28.814	48.7	.....	68.4	46.7	57.6	84	32	39	....	72	....	.247	.....	.72	.25	4.1	.....	4.0	
November	29.033	29.430	28.683	41.8	.....	56.8	38.7	47.8	71	18	33	....	72	....	.206	.....	1.65	.79	5.7	.....	4.6	
December	29.040	29.514	28.649	34.3	.....	45.4	30.1	37.8	67	15	29	....	82	....	.172	.....	2.13	.70	6.2	.....	6.8	
Year	29.004	29.602	28.113	50.6	.....	65.2	46.9	56.1	94	5	44	....	79	....	.336	.....	37.60	2.93	5.6	.....	4.8	

LINCOLN, NEBR.

[ϕ=40° 49′ N.; λ=96° 45′ W.]

January	28.786	29.396	28.298	24.4	33.3	42.5	19.5	31.0	59	4	16	17	69	51	0.090	0.100	0.28	0.26	4.2	2.7	3.8	
February	28.786	29.153	28.268	23.7	31.9	36.7	20.4	28.6	56	− 4	18	23	79	69	.108	.131	2.13	1.02	5.4	5.8	5.2	
March	28.742	29.304	28.085	32.9	46.5	52.4	31.2	41.8	86	14	25	29	74	55	.139	.168	.74	.35	5.7	6.3	5.2	
April	28.663	29.137	27.810	44.1	59.7	66.6	41.8	54.2	85	17	36	36	72	44	.232	.235	1.28	.57	4.9	5.2	4.4	
May	28.556	28.827	28.167	53.6	66.2	70.9	50.1	60.5	89	28	48	49	82	57	.355	.377	5.35	1.10	5.8	5.8	5.5	
June	28.655	29.076	28.295	63.7	74.3	78.3	60.2	69.2	91	50	58	60	84	63	.501	.540	11.24	2.39	6.8	5.5	6.3	
July	28.782	29.064	28.500	67.9	79.0	84.3	64.0	74.2	94	52	63	64	86	60	.593	.601	8.08	5.13	5.2	4.1	4.7	
August	28.732	28.960	28.438	65.5	78.6	83.6	62.7	73.2	96	50	61	62	87	58	.553	.565	2.84	.97	6.7	4.3	4.8	
September	28.764	29.069	28.475	59.9	75.3	84.1	57.5	70.8	98	33	55	56	83	51	.445	.464	.53	.51	3.7	2.5	3.0	
October	28.760	29.138	28.199	45.1	54.9	62.6	43.1	52.8	86	29	38	40	79	61	.243	.255	2.34	.89	5.3	4.4	4.8	
November	28.779	29.319	28.195	33.4	43.6	52.6	30.3	41.4	78	12	27	30	77	60	.152	.175	.72	.48	5.4	4.5	4.8	
December	28.799	29.384	28.353	25.8	33.8	41.5	21.9	31.7	64	0	19	23	74	63	.107	.126	.16	.16	4.9	4.2	4.5	
Year	28.734	29.396	27.810	45.0	56.4	63.0	41.9	52.4	98	− 4	39	41	79	58	.293	.311	35.69	5.13	5.3	4.6	4.8	

LITTLE ROCK, ARK.

[ϕ=34° 45′ N.; λ=92° 6′ W.]

January	29.724	30.216	29.111	38.4	46.8	51.7	36.1	43.9	68	23	31	32	75	58	0.179	0.193	5.03	1.89	5.3	5.1	4.8	
February	29.741	30.305	29.171	40.8	49.0	54.4	37.7	46.0	72	18	34	34	78	59	.222	.211	3.32	.70	6.0	5.4	5.0	
March	29.669	30.237	29.285	53.7	64.6	70.4	51.5	61.0	87	38	47	47	80	57	.346	.352	4.31	2.78	7.4	6.1	4.6	
April	29.603	29.958	29.088	59.0	66.9	72.9	54.7	63.8	84	37	54	53	83	64	.436	.429	4.32	1.08	7.4	6.4	5.6	
May	29.530	29.765	29.192	64.8	74.5	78.8	62.1	70.4	88	44	60	62	84	67	.532	.582	4.59	1.85	5.9	5.7	5.6	
June	29.625	29.897	29.445	72.1	81.6	85.2	69.0	77.1	92	62	66	67	83	63	.657	.684	2.30	.79	6.0	4.2	4.3	
July	29.667	29.809	29.522	74.2	83.7	88.7	71.4	80.0	96	64	69	69	82	62	.702	.703	1.08	.41	4.7	6.0	3.8	
August	29.623	29.839	29.492	73.8	82.1	88.3	71.6	80.0	95	67	69	69	86	67	.721	.723	2.58	1.01	5.5	4.9	4.8	
September	29.673	29.950	29.468	67.5	77.1	83.5	65.5	74.5	94	44	62	62	82	63	.565	.578	3.27	1.77	5.8	5.3	5.1	
October	29.733	30.031	29.528	51.8	64.8	71.1	50.2	60.6	82	38	45	45	78	50	.310	.309	.43	.34	2.9	1.9	2.7	
November	29.719	30.133	29.293	47.6	59.1	64.9	45.4	55.2	80	26	41	42	79	58	.278	.296	4.98	1.81	5.0	4.0	4.7	
December	29.761	30.293	29.411	42.8	50.7	55.7	39.3	47.5	73	25	34	37	72	61	.215	.239	.94	.34	5.1	4.9	5.0	
Year	29.672	30.305	29.088	57.2	66.7	72.1	54.5	63.3	96	18	51	52	80	61	.430	.442	37.05	2.78	5.6	5.0	4.7	

LOS ANGELES, CAL.

[ϕ=34° 3′ N.; λ=118° 15′ W.]

January	29.697	29.904	29.423	51.3	60.8	65.9	47.1	56.5	84	41	38	44	67	59	0.238	0.294	5.04	1.38	4.5	5.8	5.7	
February	29.689	29.954	29.324	48.2	57.7	63.6	44.9	54.2	84	37	41	45	79	65	.266	.298	3.66	1.86	4.9	6.0	5.9	
March	29.696	29.934	29.486	51.6	62.2	68.1	47.8	58.0	85	40	41	43	72	54	.266	.290	.18	.16	3.7	3.4	3.8	
April	29.617	29.759	29.437	53.1	64.4	71.7	50.7	61.2	90	44	47	49	82	59	.329	.350	.52	.52	4.5	2.1	3.2	
May	29.570	29.672	29.358	52.3	63.1	69.1	50.5	59.8	77	45	47	46	83	57	.327	.323	.25	.25	5.1	1.5	3.1	
June	29.558	29.653	29.439	54.8	66.1	73.1	53.2	63.2	84	47	51	53	89	63	.380	.406	.00	.00	6.1	1.0	3.0	
July	29.554	29.661	29.442	60.1	73.8	81.2	59.1	70.2	92	52	56	56	87	54	.450	.447	T.	T.	5.0	.7	2.1	
August	29.554	29.680	29.429	62.5	72.5	79.5	60.8	70.2	91	55	59	59	89	63	.502	.498	.08	.08	6.5	.7	2.7	
September	29.565	29.685	29.365	62.1	70.5	79.7	60.0	69.8	96	54	54	55	79	62	.431	.448	1.22	1.09	5.1	2.0	3.5	
October	29.608	29.753	29.289	57.5	66.3	75.0	54.3	64.6	88	46	40	46	58	54	.262	.325	.25	.15	2.4	2.2	2.4	
November	29.686	29.799	29.492	53.7	59.9	68.3	50.5	59.4	86	43	40	48	66	69	.265	.347	1.08	1.03	3.9	5.1	5.4	
December	29.717	29.928	29.472	49.1	57.4	64.5	46.0	55.2	76	38	33	42	57	60	.198	.278	1.46	1.36	2.6	4.9	4.9	
Year	29.626	29.954	29.289	54.6	64.6	71.6	52.1	61.9	96	37	46	49	76	60	.326	.359	13.74	1.86	4.5	3.9	3.8	

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

LEXINGTON, KY.

[H=989 ft.; h_t=75 ft.; h_r=68 ft.; h_a=102 ft.]

Month.	Wind.														Number of days.											
	By self-register.				Number of winds, 8 a. m. and 8 p. m.													Precipitation.					Maximum temp.				
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	12.3	SW.	49	W.	2	1	5	1	1	9	2	6	6	0	4	11	16	9	9	3	0	1	6	0	26	0	0
February	14.6	W.	49	SW.	2	0	0	7	6	1	4	8	3	0	8	3	18	16	10	8	0	0	5	0	21	2	0
March	12.2	S.	46	NW.	2	3	1	6	1	12	1	4	3	0	12	5	14	15	14	1	1	0	0	0	5	5	0
April	11.8	SW.	40	NW.	1	0	2	3	6	7	4	4	4	0	14	8	8	14	13	1	0	0	0	0	2	5	0
May	10.0	SW.	40	W.	1	0	0	4	3	12	7	3	2	0	17	7	7	14	14	0	0	0	0	0	0	9	0
June	8.3	S.	38	NW.	0	3	2	7	5	6	6	1	0	0	15	9	6	7	7	0	0	0	0	4	0	6	0
July	7.8	NE.	36	NW.	0	2	5	5	3	6	6	2	2	0	16	6	9	12	11	0	0	0	0	4	0	13	0
August	7.1	NE.	24	S.	0	3	7	4	3	5	5	3	0	1	17	11	3	6	6	0	1	1	0	5	0	9	0
September	7.6	SE.	28	W.	0	0	3	3	9	8	3	2	2	0	24	4	2	1	1	0	0	0	0	6	0	3	1
October	8.8	S.	24	NW.	0	3	4	7	3	10	1	0	3	0	16	6	9	7	6	0	0	1	0	0	1	0	0
November	11.2	SW.	36	S.	0	3	2	1	6	7	5	3	2	1	15	5	10	9	6	0	0	0	0	0	11	3	0
December	11.4	SW.	36	W.	0	0	1	1	4	8	6	7	4	0	8	3	20	11	8	2	0	2	1	0	21	0	0
Year	10.3	S.	49	SW.	8	18	32	49	50	91	50	43	31	2	166	78	122	121	105	15	2	5	12	19	87	55	1

LINCOLN, NEBR.

[H=1,189 ft.; h_t=11 ft.; h_r=4 ft.; h_a=84 ft.]

January	12.3	S.	54	NW.	5	11	3	0	13	16	3	3	13	0	16	11	4	2	1	2	0	0	4	0	30	0	0
February	12.0	SE.	44	N.	2	10	5	8	10	7	5	4	9	0	9	10	10	9	7	6	0	0	7	0	24	0	0
March	11.5	N.	43	S.	3	14	11	5	4	13	7	2	6	0	10	12	9	5	3	0	2	1	0	0	15	2	0
April	13.6	S.	48	NW.	5	10	5	2	11	14	3	2	13	0	12	13	5	9	3	0	0	0	0	0	5	5	0
May	11.8	SE.	46	N.	2	11	5	3	18	8	3	2	12	0	8	12	11	18	13	0	1	0	0	0	1	11	0
June	12.0	SE.	63	SW.	3	5	5	3	30	4	5	4	4	0	6	12	12	19	16	0	1	0	0	2	0	15	0
July	8.4	S.	52	SW.	2	7	9	2	14	22	3	1	4	0	12	13	6	11	7	0	0	0	0	9	0	6	0
August	8.4	S.	34	SE.	0	9	9	5	14	17	2	1	2	3	13	12	6	11	9	0	1	0	0	8	0	13	0
September	9.5	S.	33	S.	0	5	1	3	17	25	1	1	6	1	21	5	4	3	1	0	0	0	0	11	0	3	1
October	13.0	SE.	45	SW.	1	12	6	7	12	12	2	1	10	0	14	7	10	7	6	0	0	1	0	0	3	1	0
November	9.7	NW.	40	NW.	1	11	5	1	4	9	13	4	13	0	13	9	8	4	2	2	0	2	2	0	18	0	0
December	10.1	S.	42	NW.	1	6	7	0	5	18	7	2	17	0	14	10	7	1	1	1	0	0	7	0	29	0	0
Year	11.0	S.	63	SW.	25	111	71	39	152	165	54	27	109	4	148	126	92	99	69	11	5	4	20	30	125	56	1

LITTLE ROCK, ARK.

[H=357 ft.; h_t=139 ft.; h_r=132 ft.; h_a=147 ft.]

January	9.9	NW.	43	W.	1	8	10	6	8	8	6	4	12	0	12	10	9	10	6	0	0	3	0	0	9	1	0
February	12.1	E.	45	SW.	2	1	4	13	10	4	4	13	9	0	11	8	10	11	10	0	0	0	0	0	7	4	0
March	12.1	S.	45	S.	1	9	12	7	1	23	7	1	2	0	12	12	7	12	10	0	0	0	0	0	5	5	0
April	9.5	S.	49	SW.	2	6	8	10	7	9	7	6	7	0	8	11	11	13	10	0	1	0	0	0	0	7	0
May	9.9	SE.	54	SW.	1	0	1	7	14	16	11	8	5	0	7	17	7	9	7	0	0	2	0	0	0	6	0
June	7.9	S.	46	NW.	1	7	5	10	13	17	4	2	2	0	13	12	5	7	5	0	0	1	0	3	0	6	0
July	6.9	E.	30	NE.	0	2	15	12	5	9	9	4	6	0	14	16	1	9	6	0	0	0	0	12	0	12	0
August	6.3	E.	30	NW.	0	10	7	7	10	8	9	1	8	2	11	12	8	10	7	0	0	0	0	9	0	11	0
September	6.3	NE.	26	NW.	0	6	16	16	3	4	4	3	8	0	12	6	12	7	7	0	0	0	0	3	0	5	0
October	7.8	E.	25	NW.	0	8	6	14	8	6	2	4	14	0	21	5	5	2	2	0	0	0	0	0	0	0	0
November	9.3	SW.	59	S.	1	7	8	5	6	7	15	8	4	0	12	9	9	8	8	0	1	1	0	0	3	6	0
December	9.1	S.	40	W.	1	12	5	8	5	12	6	5	9	0	12	7	12	9	6	1	0	3	0	0	4	0	0
Year	8.9	S.	59	S.	10	76	97	115	90	123	84	59	86	2	145	125	96	107	84	1	2	10	0	27	23	63	0

LOS ANGELES, CAL.

[H=338 ft.; h_t=159 ft.; h_r=151 ft.; h_a=191 ft.]

January	5.2	NE.	26	SW.	0	6	26	4	3	2	5	14	2	0	8	9	14	8	7	0	0	0	0	0	0	1	0
February	4.9	NE.	24	NE.	0	3	20	3	4	3	11	12	2	0	9	8	12	7	6	0	0	2	0	0	0	1	0
March	5.1	NE.	27	SW.	0	2	20	2	2	2	14	16	3	1	17	7	7	4	2	0	0	0	0	0	0	0	0
April	5.5	W.	28	SW.	0	2	17	2	4	0	16	17	1	1	19	6	5	1	1	0	0	1	0	1	0	0	0
May	6.1	SW.	27	SW.	0	1	14	4	4	4	20	12	2	1	19	9	3	1	1	0	0	0	0	0	0	0	0
June	5.4	W.	20	SW.	0	4	10	5	4	5	10	20	0	2	22	5	3	0	0	0	0	4	0	0	0	0	0
July	5.2	W.	20	SW.	0	4	5	5	2	4	10	28	2	2	25	6	0	0	0	0	0	2	0	4	0	0	0
August	5.4	SW.	20	SW.	0	1	5	3	5	3	30	10	4	1	24	6	1	1	1	0	0	3	0	1	0	1	0
September	5.9	SW.	38	S.	0	2	11	1	5	2	29	6	4	0	16	10	4	4	4	0	0	0	0	4	0	3	0
October	6.5	NE.	21	NW.	0	4	23	1	2	0	23	4	5	0	22	6	3	2	2	0	0	0	0	0	0	1	0
November	5.8	SW.	40	NW.	1	2	19	3	4	1	21	4	6	0	10	9	11	4	3	0	0	4	0	0	0	0	0
December	6.1	NE.	24	SW.	0	3	26	0	0	4	12	8	9	0	12	8	11	3	2	0	0	4	0	0	0	0	0
Year	5.6	SW.	40	NW.	1	34	196	33	39	30	201	151	40	8	203	89	74	35	29	0	0	20	0	10	0	7	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

LOUISVILLE, KY.

[ϕ=38° 15′ N.; λ=85° 45′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.493	29.948	28.576	31.2	38.3	43.0	28.1	35.6	55	14	25	27	76	62	0.137	0.150	1.98	0.72	5.3	4.5	5.3
February	29.523	30.037	28.701	30.8	37.3	42.3	28.4	35.4	65	7	25	28	78	68	.148	.169	5.68	2.70	6.1	6.5	6.7
March	29.502	30.123	29.033	46.0	54.9	60.2	42.6	51.4	80	29	40	42	80	64	.261	.286	6.54	2.59	6.3	6.2	6.7
April	29.417	29.809	28.895	51.2	60.5	67.1	46.4	56.8	85	29	42	44	73	58	.292	.318	6.06	1.52	6.2	6.4	6.2
May	29.344	29.653	28.925	62.9	70.6	77.3	58.6	68.0	92	36	56	56	78	63	.463	.477	4.26	1.39	5.5	6.3	5.8
June	29.481	29.701	29.331	70.2	78.1	85.1	65.2	75.2	98	51	60	60	71	56	.540	.537	3.27	1.21	3.8	4.8	4.7
July	29.497	29.689	29.248	73.6	82.3	89.5	69.4	79.4	97	60	64	62	73	54	.609	.577	3.61	1.27	3.6	4.4	4.0
August	29.448	29.655	29.272	70.7	81.4	89.1	67.8	78.4	98	60	63	62	77	53	.589	.564	2.29	.98	4.1	3.5	3.9
September	29.513	29.732	29.195	64.2	79.3	87.8	62.0	74.9	95	40	56	54	74	42	.460	.427	.59	.37	2.9	2.9	2.9
October	29.563	29.885	29.242	49.0	62.9	71.2	47.5	59.4	86	33	42	39	76	43	.271	.246	.07	.04	2.4	2.3	2.7
November	29.523	29.962	29.125	43.7	52.5	58.8	40.6	49.7	74	23	32	35	65	53	.202	.221	1.65	.58	3.6	3.2	5.4
December	29.546	30.075	29.113	36.8	42.8	48.3	32.7	40.5	66	18	31	31	78	64	.182	.185	1.85	.65	4.9	4.3	5.9
Year	29.488	30.123	28.576	52.5	61.7	68.3	49.1	58.7	98	7	45	45	75	57	.346	.346	37.85	2.70	4.6	4.6	5.0

LYNCHBURG, VA.

[ϕ=37° 25′ N.; λ=79° 9′ W.]

January	29.301	29.773	28.430	30.4	38.2	46.2	26.8	36.5	61	16	23	29	73	69	0.128	0.160	4.37	1.76	5.5	3.2	5.2
February	29.377	30.052	28.460	29.3	35.6	41.7	26.5	34.1	63	12	22	27	73	70	.128	.150	2.85	.73	5.6	4.3	5.3
March	29.369	29.890	28.928	45.0	55.1	62.5	40.6	51.6	80	24	39	45	79	71	.248	.315	2.51	.62	6.1	3.7	5.6
April	29.251	29.720	28.860	54.2	62.1	69.9	47.3	58.6	88	33	45	48	72	62	.314	.357	2.96	.69	4.6	3.3	5.0
May	29.229	29.504	28.857	61.7	68.3	75.3	55.9	65.6	90	40	55	58	80	70	.461	.500	3.86	1.01	5.1	5.4	5.4
June	29.351	29.582	29.129	68.4	73.3	81.6	61.7	71.6	94	52	63	65	83	77	.579	.630	4.66	2.73	4.8	5.5	5.2
July	29.354	29.540	29.118	73.2	77.8	86.7	67.3	77.0	95	56	66	68	79	72	.648	.682	4.49	2.50	5.1	6.5	5.2
August	29.309	29.567	29.053	68.4	74.6	82.8	64.3	73.6	97	50	64	66	85	76	.596	.650	6.55	3.46	5.1	5.3	5.5
September	29.394	29.676	29.120	59.4	67.5	78.3	55.0	66.6	86	42	55	61	87	81	.450	.550	2.22	1.15	3.0	2.9	4.8
October	29.407	29.841	29.040	48.8	57.3	69.4	45.1	57.2	88	34	45	51	86	80	.302	.381	3.52	1.35	2.9	3.5	4.6
November	29.369	29.692	28.940	42.1	51.2	60.4	38.4	49.4	73	23	34	40	74	68	.208	.267	1.18	.87	4.1	3.0	4.6
December	29.360	29.823	28.906	36.0	40.8	49.0	30.9	40.0	72	20	28	33	74	73	.162	.187	3.54	1.26	5.7	4.7	6.4
Year	29.339	30.052	28.430	51.4	58.5	67.0	46.6	56.8	97	12	45	49	79	72	.352	.402	42.71	3.46	4.8	4.3	5.2

MACON, GA.

[ϕ=32° 50′ N.; λ=83° 38′ W.]

January	29.694	30.055	29.040	38.5	47.9	54.8	35.5	45.2	66	22	34	....	83	....	0.203	.....	6.53	3.37	5.4	.....	4.9
February	29.769	30.117	29.253	38.5	48.3	54.7	35.5	45.1	73	22	32	....	78	....	.197	.....	3.77	1.79	5.2	.....	5.2
March	29.737	30.116	29.349	56.4	67.3	75.2	53.9	64.6	88	39	52	....	86	....	.404	.....	6.42	3.78	5.8	.....	4.6
April	29.610	29.891	29.216	62.6	70.0	78.3	57.9	68.1	90	40	57	....	82	....	.486	.....	9.26	3.86	6.3	.....	5.7
May	29.596	29.821	29.347	68.4	76.8	85.1	62.5	73.8	93	42	60	....	76	....	.546	.....	2.99	1.42	3.3	.....	3.8
June	29.650	29.843	29.499	74.0	80.7	89.6	68.0	78.8	96	63	66	....	76	....	.642	.....	2.55	1.14	3.1	.....	3.6
July	29.669	29.891	29.579	76.1	79.8	90.6	71.7	81.2	97	67	70	....	82	....	.730	.....	4.68	1.37	5.4	.....	6.3
August	29.608	29.826	29.455	74.2	79.4	88.7	70.4	79.6	96	61	69	....	84	....	.721	.....	6.12	2.84	4.7	.....	5.3
September	29.664	29.845	29.439	67.1	75.4	82.7	63.6	73.2	91	49	62	....	86	....	.578	.....	1.65	1.05	5.1	.....	4.9
October	29.690	30.008	29.437	52.0	63.9	72.5	49.5	61.0	84	42	47	....	84	....	.330	.....	2.54	1.78	3.4	.....	3.1
November	29.755	29.995	29.489	48.5	60.8	68.9	46.9	57.9	80	28	45	....	89	....	.318	.....	1.33	.74	3.6	.....	3.7
December	29.736	30.076	29.443	45.8	53.9	61.8	41.5	51.6	77	32	42	....	86	....	.281	.....	2.27	1.17	6.3	.....	5.9
Year	29.682	30.117	29.040	58.5	67.0	75.2	54.7	65.0	97	22	53	....	83	....	.453	.....	50.11	3.86	4.8	.....	4.8

MADISON, WIS.

[ϕ=43° 05′ N.; λ=89° 23′ W.]

January	28.926	29.467	28.301	18.7	24.1	29.8	14.6	22.2	46	−10	15	17	82	72	0.088	0.096	0.97	0.54	4.9	3.2	4.9
February	28.974	29.611	28.416	17.7	23.8	28.5	14.2	21.4	46	−10	14	17	85	72	.089	.098	1.79	.80	7.3	3.8	6.5
March	28.946	29.482	28.149	30.8	36.2	42.2	27.1	34.6	61	13	26	27	81	68	.141	.147	1.62	.56	6.8	5.0	6.7
April	28.856	29.511	28.070	40.1	48.9	55.7	30.2	46.0	78	18	34	34	78	60	.206	.212	4.41	1.93	5.2	4.4	5.0
May	28.829	29.230	28.337	53.2	60.4	65.7	48.8	57.2	82	31	48	50	81	70	.353	.384	5.38	1.22	6.3	6.2	6.1
June	28.964	29.244	28.676	61.4	69.5	74.0	56.1	65.0	84	46	54	56	77	65	.437	.478	1.80	.86	4.7	4.5	5.0
July	29.016	29.203	28.618	66.1	74.9	79.9	61.8	70.8	93	52	61	61	83	64	.537	.550	2.85	1.26	4.5	3.9	4.2
August	28.985	29.228	28.779	63.0	72.4	78.9	59.3	69.1	94	52	57	57	80	60	.471	.483	2.53	.96	2.9	3.3	3.5
September	29.018	29.247	28.656	58.3	70.1	77.7	56.4	67.0	90	32	54	53	82	57	.432	.431	.78	.64	2.7	2.6	2.9
October	29.042	29.432	28.001	44.4	52.7	59.6	42.2	50.9	78	28	38	38	78	60	.231	.240	.64	.37	4.4	3.1	4.5
November	28.927	29.384	28.304	32.5	39.1	46.1	29.3	37.7	62	13	28	29	83	68	.163	.175	2.14	.77	5.2	4.9	5.5
December	28.952	29.481	28.420	21.1	25.3	30.5	15.8	23.2	45	− 1	17	18	82	71	.095	.104	.76	.46	6.5	5.3	6.0
Year	28.953	29.611	28.070	42.4	49.8	55.7	38.5	47.1	94	−10	37	38	81	66	.270	.283	25.67	1.93	5.1	4.2	5.1

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

LOUISVILLE, KY.

[H=525 ft.; h_t=111 ft.; h_r=103 ft.; h_a=132 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																								
January	9.1	SW.	48	W.	1	6	6	3	5	9	15	9	9	0	15	5	11	10	8	2	0	7	4	0	24	1	0
February	11.3	W.	42	W.	1	2	10	3	10	4	7	17	5	0	6	6	17	15	11	7	0	4	2	0	21	2	0
March	9.1	SW.	40	S.	1	8	7	4	6	11	13	9	4	0	4	14	13	15	13	1	0	7	0	0	5	7	0
April	9.4	SW.	36	SW.	0	6	9	4	4	8	16	6	7	0	8	8	14	16	13	1	0	0	0	0	2	5	0
May	8.3	SW.	37	W.	0	1	5	4	7	11	18	9	6	1	7	16	8	14	11	0	0	0	0	4	0	7	0
June	7.2	SW.	37	W.	0	5	10	6	10	5	15	5	4	0	10	14	6	6	6	0	1	0	0	7	0	7	0
July	6.5	SW.	36	W.	0	7	7	5	9	8	15	4	6	1	16	7	8	12	10	0	0	0	0	16	0	10	0
August	5.9	N.	28	NW.	0	17	11	1	4	12	13	3	1	0	14	12	5	6	5	0	0	2	0	14	0	6	0
September	5.5	SE.	30	W.	0	8	4	4	12	11	10	3	6	2	16	13	1	3	3	0	0	1	0	15	0	2	0
October	6.7	N.	26	NE.	0	16	10	3	4	12	8	2	7	0	21	7	3	3	1	0	0	3	0	0	0	0	0
November	8.5	SW.	31	SW.	0	12	7	1	9	5	16	5	5	0	10	10	10	8	7	0	0	12	0	0	9	4	0
December	8.4	SW.	28	W.	0	5	2	2	7	7	20	9	10	0	9	8	14	7	7	0	0	12	1	0	16	0	0
Year	8.0	SW.	48	W.	3	93	88	40	87	103	166	81	70	4	136	120	110	115	95	11	1	48	7	56	77	51	0

LYNCHBURG, VA.

[H=681 ft.; h_t=83 ft.; h_r=77 ft.; h_a=88 ft.]

January	4.4	NW.	27	NW.	0	0	6	3	4	7	11	11	17	3	10	11	10	6	6	2	0	0	1	0	26	0	0
February	5.4	NW.	27	NW.	0	4	5	7	5	2	11	7	17	0	11	10	8	10	9	4	0	0	3	0	24	0	0
March	4.1	SW.	24	W.	0	1	6	5	5	12	13	6	9	5	10	12	9	12	9	2	0	0	0	0	6	1	0
April	5.2	NW.	27	NW.	0	1	6	3	4	14	9	6	16	1	13	9	8	10	10	0	1	0	0	0	0	3	0
May	3.8	SW.	24	NW.	0	2	8	7	8	8	14	10	4	1	12	10	9	12	9	0	0	2	0	1	0	5	0
June	3.2	NE.	24	N.	0	2	16	7	10	5	2	2	14	2	12	11	7	11	8	0	0	0	0	7	0	7	0
July	3.8	SW.	17	NE.	0	5	22	3	4	2	13	2	11	0	10	15	6	12	10	0	0	0	0	9	0	7	0
August	3.0	NE.	16	NW.	0	8	18	3	6	2	9	2	10	4	9	13	9	12	11	0	0	3	0	9	0	6	0
September	2.5	NE.	19	NW.	0	11	13	2	7	0	1	3	9	14	14	10	6	4	2	0	0	6	0	0	0	0	0
October	3.2	NE.	18	NW.	0	14	18	0	2	0	2	0	7	19	17	6	8	7	6	0	0	8	0	0	0	0	0
November	3.9	SW.	24	NW.	0	10	6	1	6	0	17	2	15	3	16	6	8	2	2	1	0	4	0	0	9	0	0
December	4.1	NW.	24	NW.	0	4	10	2	3	1	13	3	23	3	7	10	14	9	9	1	0	0	0	0	19	0	0
Year	3.9	NW.	27	NW.	0	62	134	43	64	53	115	54	152	55	141	123	102	107	91	10	1	23	4	26	84	29	0

MACON, GA.

[H=370 ft.; h_t=78 ft.; h_r=71 ft.; h_a=87 ft.]

January	5.5	NW.	22	NW.	0	4	2	2	1	5	3	3	10	1	13	5	13	11	9	0	0	3	0	0	11	3	0
February	6.7	NW.	23	W.	0	1	4	3	1	2	4	6	8	0	12	6	11	11	7	0	0	1	0	0	12	0	0
March	5.4	SW.	31	W.	0	1	4	2	3	4	9	0	6	2	12	12	7	7	6	0	0	0	0	0	0	3	0
April	5.5	SW.	25	S.	0	1	3	3	2	9	4	3	5	0	9	9	12	10	9	0	0	1	0	1	0	8	0
May	4.6	NW.	24	W.	0	1	2	4	1	7	5	6	5	0	14	11	6	11	8	0	0	0	0	10	0	7	0
June	4.0	E.	27	W.	0	4	6	2	5	5	3	1	4	0	16	11	3	8	6	0	0	0	0	17	0	7	0
July	4.2	NE.	30	SW.	0	1	5	10	3	2	3	1	6	0	3	19	9	13	9	0	1	0	0	18	0	11	0
August	4.6	NE.	26	NW.	0	6	5	2	4	4	4	3	2	1	10	12	9	12	9	0	0	0	0	19	0	12	0
September	6.3	NE.	24	S.	0	9	14	2	1	1	3	0	0	0	13	5	12	5	4	0	0	0	0	3	0	1	0
October	6.4	NE.	23	NW.	0	17	5	0	0	3	1	2	3	0	21	3	7	6	5	0	0	0	0	0	0	1	0
November	5.2	SW.	20	S.	0	11	3	2	1	5	3	1	3	1	14	11	5	5	5	0	0	5	0	0	1	0	0
December	6.0	NW.	30	NW.	0	8	4	2	1	2	5	2	7	0	9	9	13	6	6	0	0	2	0	0	0	1	0
Year	5.4	N.	31	W.	0	64	57	34	23	49	47	28	59	5	146	113	107	105	83	0	1	12	0	68	24	54	0

MADISON, WIS.

[H=974 ft.; h_t=70 ft.; h_r=62 ft.; h_a=78 ft.]

January	12.3	NW.	42	N.	1	5	2	0	7	9	16	7	16	0	12	11	8	5	2	4	0	0	17	0	31	0	0
February	13.6	NW.	54	NE.	2	3	5	3	12	3	6	7	19	0	8	3	18	9	8	5	0	0	16	0	27	0	0
March	11.5	NW.	46	SW.	1	4	5	7	6	8	9	14	9	0	6	10	15	9	7	1	0	1	6	0	27	2	0
April	12.8	SW.	48	N.	1	5	6	1	9	9	11	8	11	0	10	11	9	11	11	1	0	0	1	0	10	2	0
May	11.7	SE.	54	N.	2	5	8	9	11	4	8	8	8	1	10	6	15	15	14	0	0	0	0	0	2	8	0
June	9.5	SE.	33	SW.	0	3	4	2	17	8	13	7	6	0	9	14	7	13	9	0	0	0	0	0	0	9	0
July	7.1	S.	31	S.	0	10	8	4	7	10	9	6	8	0	15	12	4	10	9	0	0	1	0	2	0	8	0
August	7.0	SW.	30	NE.	0	11	7	2	7	12	10	6	7	0	17	11	3	8	5	0	0	0	0	1	0	4	0
September	8.0	S.	27	S.	0	2	2	6	4	17	12	9	8	0	20	5	5	4	3	0	0	1	0	1	1	1	0
October	10.4	S.	34	S.	0	7	6	3	7	20	6	3	10	0	13	11	7	5	5	0	0	0	0	0	2	0	0
November	9.9	SW.	39	S.	0	3	2	4	4	9	20	12	6	0	8	13	9	8	6	0	1	3	3	0	20	1	0
December	10.9	W.	35	W.	0	3	2	4	5	7	12	16	13	0	9	7	15	5	4	4	0	0	16	0	31	0	0
Year	10.4	SW.	54	NE.	7	61	57	45	96	116	132	103	121	1	137	114	115	102	83	15	1	6	59	4	151	35	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

MANTEO, N. C.

[ϕ=35° 54′ N.; λ=75° 40′ W.]

Month.	Pressure.			Temperature.							Moisture.											Cloudiness.		
		Extremes.		Mean.				Extremes.			Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.							
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.				8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*						
January						51.8	35.6	43.7	63	22							3.91	2.04						
February						49.7	34.9	42.3	65	20							2.40	1.12						
March						64.4	45.8	55.1	82	31							5.36	1.84						
April						71.4	51.9	61.2	85	36							1.62	1.00						
May						75.5	59.1	67.3	87	43							7.48	1.96						
June						79.2	65.1	72.1	89	52							7.54	2.58						
July						84.6	72.6	78.6	95	65							11.52	4.84						
August						83.6	71.7	77.6	89	67							13.64	2.94						
September						76.9	65.4	71.2	84	55							3.67	2.14						
October						69.2	58.5	63.8	80	43							5.46	1.22						
November						63.4	44.3	53.8	77	30							2.06	1.48						
December						57.7	39.4	48.6	75	29							3.46	1.24						
Year						69.0	53.7	61.3	95	20							68.12	4.84						

MARQUETTE, MICH.

[ϕ=46° 34′ N.; λ=87° 24′ W.]

January	29.125	29.647	28.632	19.1	22.9	28.5	14.5	21.5	53	− 9	13	14	74	68	0.081	0.083	2.10	0.48	7.3	5.9	6.7
February	29.237	29.996	28.690	18.0	19.4	24.0	12.8	18.4	44	3	13	13	79	76	.081	.081	3.63	.80	9.1	5.8	7.9
March	29.205	29.772	28.642	22.6	26.4	32.4	18.1	25.2	64	0	17	20	78	76	.097	.110	3.28	1.04	9.1	6.1	6.5
April	29.095	29.870	28.283	35.6	39.4	46.4	30.6	38.5	79	12	28	26	73	61	.158	.147	3.13	.94	7.9	4.9	5.8
May	29.135	29.602	28.661	46.6	49.8	56.5	40.8	48.6	85	30	38	38	75	67	.241	.246	3.11	1.11	6.8	5.5	6.4
June	29.174	29.479	28.742	60.7	63.1	71.1	51.8	61.4	85	38	49	49	67	63	.369	.360	3.48	1.45	3.9	5.3	4.4
July	29.253	29.502	28.831	64.6	66.7	73.6	58.4	66.0	93	48	55	54	72	66	.439	.428	2.93	1.20	5.2	4.3	4.8
August	29.205	29.529	28.956	62.2	65.3	73.6	56.3	65.0	93	47	52	52	70	66	.398	.406	1.08	.53	4.5	4.5	4.8
September	29.212	29.578	28.743	59.7	63.4	73.2	54.6	63.9	94	35	50	50	70	64	.365	.378	3.46	1.87	3.7	4.7	5.5
October	29.281	29.673	28.802	45.5	49.8	57.3	42.4	49.8	82	31	38	39	75	68	.234	.248	1.06	.38	5.5	4.9	7.1
November	29.087	29.656	28.386	34.6	37.0	43.1	30.5	36.8	58	21	27	27	73	67	.150	.152	1.21	.50	6.1	7.0	6.1
December	29.132	29.579	28.539	20.9	21.9	27.7	16.2	22.0	37	− 1	15	16	76	76	.086	.092	1.82	.53	9.0	6.2	8.6
Year	29.178	29.996	28.283	40.8	43.8	50.6	35.6	43.1	94	− 9	33	33	74	68	.225	.228	30.29	1.87	6.5	5.4	6.2

MEMPHIS, TENN.

[ϕ=35° 9′ N.; λ=90° 3′ W.]

January	29.688	30.159	28.965	37.6	44.3	49.0	35.0	42.0	65	18	30	33	73	65	0.173	0.196	4.71	1.76	4.6	5.1	5.7
February	29.715	30.215	29.029	39.7	47.2	52.1	36.7	44.4	70	16	32	36	72	67	.198	.230	5.36	1.43	5.5	4.9	5.6
March	29.657	30.210	29.308	53.7	62.3	67.7	51.5	59.6	85	38	47	54	80	76	.345	.438	5.02	1.45	7.1	6.8	6.8
April	29.581	29.924	29.084	58.8	57.0	72.9	55.1	64.0	85	38	51	59	77	77	.400	.527	5.75	2.54	7.1	6.6	6.5
May	29.524	29.758	29.270	66.7	75.0	78.3	63.9	71.1	91	48	61	66	82	73	.550	.641	3.21	1.18	4.8	5.4	5.2
June	29.616	29.836	29.488	72.9	80.3	84.7	69.6	77.2	93	61	65	70	78	71	.634	.734	5.73	2.13	4.1	4.8	4.7
July	29.640	29.783	29.500	75.2	83.0	88.4	72.6	80.5	94	67	68	71	80	68	.697	.758	3.50	2.13	5.1	5.8	5.5
August	29.592	29.807	29.429	74.0	81.1	86.7	72.1	79.4	93	66	69	71	85	72	.715	.759	4.52	1.82	5.3	5.1	4.8
September	29.645	29.890	29.401	67.5	78.0	83.9	66.2	75.0	95	44	60	65	77	66	.533	.632	1.49	.81	3.9	3.5	4.0
October	29.708	29.991	29.472	52.2	65.6	71.1	51.1	61.1	86	40	43	54	72	68	.289	.440	.05	.05	1.7	1.5	2.3
November	29.698	30.080	29.351	48.6	58.8	63.7	46.8	55.2	77	26	40	43	74	59	.274	.308	5.45	1.84	4.2	2.9	4.5
December	29.738	30.210	29.378	43.0	49.2	53.6	40.1	46.8	72	25	36	40	78	72	.235	.264	2.67	.67	5.3	5.2	6.6
Year	29.650	30.215	28.965	57.5	65.2	71.0	55.1	63.0	95	16	50	55	77	70	.420	.494	47.46	2.54	4.9	4.8	5.2

MERIDIAN, MISS.

[ϕ=32° 21′ N.; λ=88° 40′ W.]

January	29.696	30.088	28.999	40.3	49.0	56.0	35.5	45.8	73	21	35	39	82	69	0.218	0.254	5.46	2.49	5.7	4.2	5.3
February	29.754	30.192	29.184	40.5	49.9	55.8	36.7	46.2	72	20	34	36	78	61	.212	.232	8.29	3.30	5.7	5.1	5.7
March	29.692	30.126	29.342	56.1	68.3	74.2	53.7	64.0	88	35	53	55	91	65	.425	.449	3.94	2.34	6.4	4.2	5.1
April	29.594	29.858	29.136	61.8	71.0	77.7	57.6	67.6	87	42	57	57	84	64	.487	.495	3.46	.85	6.3	5.9	5.8
May	29.575	29.775	29.360	66.5	75.4	82.6	61.5	72.0	93	40	62	60	84	62	.565	.544	6.73	4.04	5.2	4.4	4.2
June	29.630	29.809	29.501	72.7	80.4	87.7	67.6	77.6	94	62	67	69	83	68	.666	.703	6.56	2.82	4.2	5.5	3.9
July	29.657	29.843	29.533	73.7	80.1	88.6	70.0	79.3	95	66	70	71	87	74	.725	.749	6.07	1.72	5.5	7.3	5.9
August	29.606	29.808	29.459	72.6	80.2	88.2	69.5	78.8	95	60	69	70	88	71	.707	.731	3.53	1.88	4.6	4.0	4.0
September	29.632	29.827	29.433	67.1	76.6	85.0	63.6	74.3	94	43	62	64	83	66	.561	.601	1.76	.99	4.4	4.6	4.5
October	29.697	29.962	29.532	49.1	63.4	73.5	45.6	59.6	85	33	44	49	83	60	.297	.355	.73	.38	2.3	1.9	2.3
November	29.734	30.001	29.431	50.0	61.0	69.3	47.4	58.4	81	25	45	47	83	63	.330	.350	.86	.39	4.8	2.4	4.6
December	29.747	30.085	29.391	46.1	53.9	61.3	42.0	51.6	75	27	42	45	84	72	.287	.323	2.48	.85	6.1	4.3	6.2
Year	29.668	30.192	28.999	58.0	67.4	75.0	54.2	64.6	95	20	53	55	84	66	.457	.482	49.89	4.04	5.1	4.5	4.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

MANTEO, N. C.

[H=12 ft.; h_t=12 ft.; h_r=4 ft.; h_a=46 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January		NE.				4	7	2	2	4	6	0	6	0	22	4	5	6	6	1	0	0	0	0	7	0	0
February		NE.				6	9	3	0	2	4	1	4	0	16	7	6	8	8	0	0	0	0	0	14	0	0
March		SW.				1	10	2	1	5	11	1	0	0	22	5	4	10	10	1	0	0	0	0	4	2	0
April		SW.				0	5	3	4	4	12	1	1	0	21	5	4	7	6	0	0	0	0	0	0	0	0
May		SW.				0	7	3	4	3	12	2	0	0	19	5	7	9	9	0	0	0	0	0	0	3	0
June		NE.				5	11	2	1	5	6	0	0	0	22	5	3	8	8	0	0	0	0	0	0	3	0
July		S.				1	5	5	2	11	7	0	0	0	17	9	5	11	11	0	0	0	0	2	0	0	0
August		S.				5	3	2	2	13	2	2	2	0	10	15	6	12	12	0	0	0	0	0	0	1	0
September		NE.				3	16	3	0	3	3	0	2	0	22	5	3	7	7	0	0	0	0	0	0	2	0
October		NE.				10	12	1	1	1	3	1	2	0	17	6	8	8	8	0	0	0	0	0	0	0	0
November		SW.				2	2	2	2	4	11	3	4	0	24	5	1	4	4	0	0	0	0	0	1	0	0
December		N.				9	2	2	1	6	2	4	5	0	13	7	11	8	8	0	0	0	0	0	5	0	0
Year		NE.				46	89	30	20	61	79	15	26	0	225	78	63	98	97	2	0	0	0	2	31	11	0

MARQUETTE, MICH.

[H=734 ft.; h_t=77 ft.; h_r=70 ft.; h_a=116 ft.]

January	13.0	W.	38	SW.	0	3	1	2	2	5	16	18	15	0	4	12	15	14	12	14	0	0	21	0	30	0	0
February	13.7	NW.	46	NW.	2	2	4	1	6	8	7	7	23	0	0	13	16	14	11	14	0	0	22	0	28	0	0
March	11.3	NW.	36	SW.	0	6	2	6	6	9	2	14	17	0	2	16	13	16	13	16	0	0	16	0	30	1	3
April	11.9	NW.	48	SW.	3	6	6	3	6	7	9	9	14	0	6	14	10	17	11	10	0	0	4	0	17	1	0
May	8.6	NW.	31	S.	0	11	4	6	6	4	4	6	21	0	4	16	11	18	12	1	0	2	0	0	4	2	0
June	9.4	S.	40	W.	1	2	1	7	8	9	12	9	12	0	12	11	7	13	9	0	1	0	0	0	0	6	0
July	8.6	NW.	36	SW.	0	4	7	3	6	5	10	7	20	0	11	14	6	11	9	0	0	2	0	0	4	0	4
August	10.3	W.	36	S.	0	3	2	4	5	11	6	17	14	0	11	12	8	6	4	0	0	0	0	1	0	3	0
September	10.5	S.	42	SW.	1	2	4	3	2	15	10	9	15	0	5	17	8	7	6	0	0	0	0	1	0	3	1
October	12.0	S.	44	SW.	4	5	2	2	7	15	8	8	15	0	4	9	18	13	5	4	0	1	0	0	4	1	0
November	13.2	W.	42	SW.	2	2	1	1	3	3	20	21	9	0	6	10	14	11	6	8	0	1	5	0	19	1	0
December	11.1	W.	43	SW.	3	2	0	2	2	5	15	23	13	0	1	6	24	18	12	17	0	0	25	0	31	0	0
Year	11.1	NW.	48	SW.	16	48	34	40	59	96	119	148	188	0	66	150	150	158	110	84	1	6	93	6	163	22	4

MEMPHIS, TENN.

[H=339 ft.; h_t=76 ft.; h_r=69 ft.; h_a=97 ft.]

January	9.9	S.	40	W.	2	14	9	6	7	10	4	5	7	0	11	6	14	8	7	1	0	2	1	0	10	1	0
February	12.2	NW.	48	W.	5	1	3	9	9	10	5	7	14	0	12	5	12	12	8	0	0	1	1	0	6	2	0
March	10.3	SW.	36	SW.	0	11	8	11	2	16	12	1	1	0	4	12	15	11	11	0	0	1	0	0	0	4	0
April	9.2	SW.	61	W.	2	7	10	7	9	10	9	1	7	0	8	8	14	13	10	0	0	0	0	0	0	7	0
May	9.4	S.	57	SW.	2	1	1	3	11	19	18	4	5	0	13	5	13	11	7	0	1	0	0	1	0	7	0
June	7.2	S.	46	W.	2	8	6	8	14	9	9	2	4	0	13	9	8	7	7	0	2	0	0	4	0	8	0
July	6.5	E.	30	SW.	0	3	12	14	6	10	11	3	3	0	11	8	12	10	8	0	0	0	0	12	0	12	0
August	6.1	N.	32	NW.	0	10	7	11	6	8	9	4	6	1	14	7	10	8	7	0	0	0	0	6	0	8	0
September	6.2	E.	36	NW.	0	14	10	17	9	2	2	3	2	1	16	7	7	4	3	0	0	0	0	4	0	3	0
October	7.5	N.	36	SW.	0	10	10	6	14	6	8	1	5	2	22	3	6	1	1	0	0	0	0	0	0	1	0
November	9.1	SW.	38	SW.	0	8	10	2	8	7	18	4	3	0	14	9	7	7	6	0	0	1	0	0	4	5	0
December	8.9	SW.	42	NW.	1	8	7	7	7	13	12	3	5	0	8	4	19	11	9	0	0	5	0	0	5	1	0
Year	8.5	S.	61	W.	14	95	93	101	102	120	117	38	62	4	146	83	137	103	84	1	3	10	2	27	25	59	0

MERIDIAN, MISS.

[H=375 ft.; H_t=84 ft.; h_r=3 ft.; h_a=93 ft.]

January	6.7	N.	30	E.	0	12	9	5	4	5	10	7	8	2	12	7	12	10	6	0	0	1	0	0	11	1	0
February	7.7	NW.	30	W.	0	3	7	10	6	5	3	5	19	0	12	3	14	6	6	0	0	0	0	0	9	2	0
March	6.7	S.	22	S.	0	8	6	4	5	18	17	2	1	1	13	10	8	5	5	0	0	1	0	0	0	1	0
April	5.7	SW.	26	W.	0	7	10	4	6	9	17	2	4	1	7	12	11	12	9	0	1	1	0	0	0	5	0
May	5.4	S.	34	W.	0	3	2	4	10	14	11	13	4	1	18	5	8	7	6	0	0	0	0	4	0	6	0
June	4.5	SE.	33	SW.	0	4	7	9	14	6	12	6	2	0	14	14	2	11	9	0	0	0	0	7	0	9	0
July	4.2	E.	28	E.	0	7	8	15	7	5	11	5	4	0	9	10	12	17	11	0	0	0	0	12	0	14	0
August	4.1	SW.	21	N.	0	8	8	7	3	4	13	7	8	4	17	11	3	9	8	0	0	1	0	13	0	9	0
September	4.9	E.	20	NW.	0	2	21	21	4	3	3	1	3	2	16	7	7	6	3	0	0	0	0	7	0	5	0
October	4.1	E.	18	NW.	0	7	8	18	7	1	2	7	9	3	23	2	6	4	3	0	0	0	0	0	0	0	0
November	5.9	S.	21	S.	0	10	5	6	3	11	10	7	5	3	14	8	8	7	5	0	0	1	0	0	4	1	0
December	5.9	N.	27	NW.	0	18	7	4	7	6	12	5	3	0	8	11	12	7	6	0	0	0	0	0	4	0	0
Year	5.5	SW.	34	W.	0	89	98	107	76	87	121	67	70	17	163	100	103	101	77	0	1	5	0	43	28	53	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

MILWAUKEE, WIS.

[ϕ=43° 2′ N.; λ=87° 54′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.259	29.808	28.637	21.8	26.8	31.5	17.5	24.5	44	−6	17	19	82	72	0.101	0.109	3.24	1.84	5.0	5.1	4.3
February	29.313	29.987	28.678	21.4	25.4	29.7	18.0	23.8	45	−7	18	19	85	76	.104	.110	2.87	1.20	6.4	5.7	6.2
March	29.288	29.831	28.573	32.5	36.3	42.9	29.2	36.0	64	15	28	28	81	74	.153	.157	2.25	1.26	6.3	5.7	4.6
April	29.196	29.870	28.436	41.3	45.1	53.4	37.0	45.2	80	21	35	35	79	70	.213	.215	3.61	.84	5.4	4.7	4.4
May	29.160	29.568	28.685	51.3	54.9	62.3	46.3	54.3	84	32	46	47	82	78	.319	.358	4.55	.96	5.5	4.8	5.3
June	29.301	29.585	29.049	62.7	66.0	72.5	56.3	64.4	88	43	52	52	71	62	.419	.411	2.44	.91	3.2	3.7	3.6
July	29.337	29.517	28.915	68.3	73.0	78.0	63.6	70.8	94	54	61	62	79	70	.548	.571	2.56	1.75	3.8	4.4	4.0
August	29.304	29.548	29.025	66.2	71.8	77.6	62.7	70.2	95	53	58	58	74	65	.485	.503	1.63	.77	3.0	3.2	3.0
September	29.339	29.579	28.956	62.3	68.8	76.2	59.4	67.8	92	36	54	56	76	66	.437	.467	.72	.55	1.6	2.4	3.1
October	29.385	29.774	29.010	47.1	53.2	58.6	44.5	51.6	80	29	41	44	81	73	.266	.298	1.08	.74	3.5	2.9	3.8
November	29.260	29.714	28.701	35.2	40.7	46.4	32.2	39.3	63	20	32	37	89	85	.192	.226	1.87	.57	4.4	4.7	4.8
December	29.277	29.800	28.686	24.1	28.2	33.0	19.2	26.1	46	4	20	22	84	77	.112	.123	1.50	.88	5.5	5.8	5.1
Year	29.285	29.987	28.436	44.5	49.2	55.2	40.5	47.8	95	−7	38	40	80	72	.279	.294	28.32	1.84	4.5	4.4	4.4

MINNEAPOLIS, MINN.

[ϕ=44° 59′ N.; λ=93° 18′ W.]

January					22.9	29.9	9.8	19.8	52	−25		16		72		0.095	0.49	0.36			3.8
February					24.7	28.6	14.3	21.4	52	− 8		18		72		.102	.98	.57			5.4
March					33.1	37.5	21.1	29.3	63	− 4		24		69		.137	1.48	.83			5.2
April					52.0	56.7	36.7	46.7	81	16		38		63		.263	4.07	1.52			4.6
May					60.4	65.1	47.4	56.2	84	28		47		65		.347	8.14	1.70			6.4
June					69.2	73.4	56.8	65.1	87	45		59		71		.512	6.68	1.87			5.2
July					76.9	82.0	63.3	72.6	94	50		65		67		.628	2.19	1.48			4.0
August					73.2	78.7	59.2	69.0	92	46		57		58		.483	.62	.22			4.1
September					70.3	78.3	57.7	68.0	94	31		55		60		.450	4.91	3.11			3.8
October					50.8	57.3	40.9	49.1	79	23		40		70		.200	2.27	.80			5.3
November					37.1	44.1	28.4	36.2	62	5		31		78		.180	1.02	.42			5.5
December					22.8	29.1	13.0	21.0	48	− 8		20		86		.110	1.33	1.10			5.1
Year					49.4	55.1	37.4	46.2	94	−25		39		69		.297	34.18	3.11			4.9

MOBILE, ALA.

[ϕ=30° 41′ N.; λ=88° 02′ W.]

January	30.037	30.406	29.404	45.3	53.5	59.8	41.9	50.8	69	28	39	44	80	74	0.256	0.315	9.49	3.86	6.0	3.9	5.4
February	30.106	30.485	29.616	46.6	54.1	60.4	43.8	52.1	68	30	38	44	73	71	.253	.312	4.35	1.96	4.7	4.6	5.1
March	30.055	30.352	29.684	60.8	66.0	73.7	58.6	66.2	81	41	58	61	90	84	.493	.542	6.87	4.35	5.4	4.2	5.1
April	29.941	30.189	29.536	67.1	72.4	79.1	64.4	71.8	88	50	61	64	81	76	.563	.618	6.42	2.58	5.2	5.6	5.2
May	29.926	30.117	29.697	70.7	74.9	81.9	66.8	74.4	90	47	65	66	82	76	.638	.666	4.82	3.51	3.6	4.8	3.8
June	29.961	30.120	29.850	76.9	79.9	87.7	71.7	79.7	91	65	70	71	79	75	.731	.751	2.28	.79	3.3	5.0	4.5
July	29.982	30.137	29.836	77.1	80.7	88.5	73.5	81.0	97	70	71	72	83	76	.767	.781	7.41	1.87	5.6	7.5	6.0
August	29.932	30.081	29.790	77.1	81.7	89.7	74.1	81.9	96	67	71	72	82	72	.762	.773	3.91	.96	3.1	5.5	4.2
September	29.936	30.111	29.742	72.4	77.5	84.7	70.3	77.5	96	52	66	68	82	73	.663	.695	7.32	5.65	5.4	7.0	5.8
October	30.011	30.258	29.855	56.9	67.6	76.2	54.6	65.4	86	45	48	52	74	59	.348	.403	.33	.33	1.9	1.8	2.0
November	30.072	30.316	29.804	55.4	62.8	70.7	53.5	62.1	79	35	50	53	82	72	.396	.438	1.23	.43	4.0	3.2	3.5
December	30.074	30.360	29.780	52.9	58.8	66.1	49.4	57.8	80	36	48	52	85	78	.368	.403	2.47	1.22	5.7	5.8	6.0
Year	30.003	30.485	29.404	63.3	69.2	76.5	60.2	68.4	97	28	57	60	81	74	.520	.558	56.90	5.65	4.5	4.9	4.7

MODENA, UTAH.

[ϕ=37° 48′ N.; λ=113° 54′ W.]

January	24.657	25.054	24.320	22.5	36.2	42.4	19.7	31.0	55	6	20	27	89	70	0.106	0.147	1.62	0.41	4.9	6.1	6.6
February	24.589	24.884	24.233	25.2	39.4	43.2	22.5	32.8	60	11	22	28	86	66	.116	.154	1.47	.99	3.6	6.8	5.5
March	24.614	25.039	24.196	28.8	49.9	52.6	25.1	38.8	72	4	23	31	77	51	.123	.178	1.10	.51	3.4	5.5	4.8
April	24.576	24.753	24.263	34.2	59.4	63.1	31.4	47.2	75	18	27	37	74	46	.149	.223	.76	.60	3.5	4.1	4.1
May	24.462	24.706	24.087	37.3	59.0	62.7	34.7	48.7	75	27	30	39	75	51	.165	.245	1.50	1.17	3.5	5.3	4.8
June	24.549	24.843	24.120	44.8	73.7	76.9	42.7	59.8	87	32	28	28	53	22	.153	.154	.37	.34	3.0	4.1	3.6
July	24.683	24.832	24.541	57.5	83.0	87.8	56.1	72.0	96	43	39	40	54	28	.260	.269	2.76	1.20	4.5	5.9	5.0
August	24.665	24.862	24.417	55.4	76.4	81.6	53.1	67.4	92	41	46	54	73	47	.330	.417	2.76	.96	3.0	4.4	3.9
September	24.693	24.870	24.335	45.6	69.4	74.1	43.4	58.8	90	28	37	42	72	39	.233	.280	1.64	.96	3.5	3.8	3.9
October	24.641	24.889	24.110	31.4	51.3	57.2	28.7	43.0	76	18	23	27	71	43	.122	.145	1.76	1.24	2.5	3.2	4.0
November	24.689	24.934	24.193	22.0	42.6	52.6	19.7	36.2	64	4	16	26	77	53	.089	.140	.03	.03	1.5	3.8	3.5
December	24.675	24.985	24.281	16.4	27.9	38.0	11.3	24.6	52	−17	12	19	82	69	.080	.112	.85	.52	4.0	4.9	5.2
Year	24.624	25.054	24.087	35.1	55.7	61.0	32.4	46.7	96	−17	27	33	74	49	.160	.205	16.62	1.24	3.4	4.8	4.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

MILWAUKEE, WIS.

[H=681 ft.; h_t=122 ft.; h_r=116 ft.; h_a=139 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of winds, 8 a. m. and 8 p. m. Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	12.5	W.	43	NE.	2	7	3	0	3	4	15	17	13	0	14	10	7	6	5	5	0	1	14	0	29	0	0
February	14.2	NW.	50	SE.	5	8	5	3	7	4	4	15	12	0	7	7	15	10	7	7	0	0	19	0	25	0	0
March	12.4	W.	41	SW.	1	6	8	5	5	4	10	17	7	0	13	9	9	9	6	2	0	1	5	0	20	2	0
April	13.3	W.	44	NE.	2	6	12	2	8	4	8	15	4	1	14	8	8	11	10	0	0	1	1	0	6	5	0
May	11.1	NE.	45	N.	2	13	13	6	8	4	5	9	2	2	12	8	11	15	13	0	0	5	0	0	0	6	0
June	9.1	NE.	45	SE.	1	6	12	4	10	3	7	14	4	0	15	11	4	9	8	0	0	0	0	0	0	8	0
July	8.3	NE.	30	SW.	0	11	11	5	9	3	8	10	4	1	15	12	4	8	6	0	1	1	0	2	0	5	0
August	9.4	SE.	42	NW.	1	7	10	1	10	4	12	11	7	0	19	10	2	9	6	0	1	0	0	4	0	4	1
September	9.0	SW.	33	E.	0	7	3	2	7	9	17	10	5	0	15	13	2	5	4	0	0	4	0	2	0	0	0
October	10.6	SW.	36	S.	0	8	6	1	6	14	11	8	8	0	16	10	5	7	4	0	0	2	0	0	2	1	1
November	10.9	SW.	44	S.	2	5	0	2	3	8	20	19	3	0	13	8	9	6	6	0	0	3	3	0	12	1	0
December	11.4	W.	40	E.	1	0	1	4	3	5	12	31	6	0	12	9	10	7	6	4	0	0	12	0	28	0	0
Year	11.0	W.	50	SE.	17	84	84	35	79	66	129	176	75	4	165	115	86	102	81	18	2	18	54	8	122	32	2

MINNEAPOLIS, MINN.

[H=— ft.; h_t=102 ft.; h_r=92 ft.; h_a=208 ft.]

January	12.9	NW.	44	W.	2	3	0	1	4	5	3	5	10	0	16	11	4	5	3	5	0	0	17	0	30	0	0
February	14.6	W.	39	NW.	0	2	2	2	6	0	1	12	4	0	10	8	11	7	4	6	0	0	18	0	27	0	0
March	13.4	W.	40	SE.	1	5	2	2	2	5	3	7	5	0	12	10	9	8	6	8	0	0	11	0	25	1	1
April	15.3	SE.	48	W.	3	2	2	2	7	3	2	6	6	0	13	6	11	10	7	4	0	0	1	0	11	2	0
May	13.6	N.	53	SE.	3	5	5	3	3	3	5	4	3	0	7	10	14	15	15	0	1	1	0	0	3	8	0
June	14.2	SE.	48	E.	3	0	1	0	11	8	1	6	3	0	11	9	10	11	11	0	1	0	0	0	0	9	0
July	9.6	S.	53	NW.	2	5	3	2	6	7	2	3	3	0	16	10	5	8	7	0	0	0	0	5	0	6	0
August	10.4	SE.	36	S.	0	3	1	0	8	4	6	3	6	0	16	10	5	8	5	0	1	0	0	2	0	4	0
September	12.8	S.	50	W.	1	1	3	0	10	6	2	2	6	0	17	8	5	7	7	0	1	0	0	4	1	6	2
October	13.3	NW.	40	SE.	2	6	0	2	9	4	1	5	4	0	11	9	11	9	8	0	0	0	0	0	6	1	1
November	12.3	W.	49	W.	1	1	1	1	5	3	2	11	6	0	12	4	14	6	3	1	0	2	4	0	19	1	2
December	12.7	W.	47	W.	2	0	3	1	2	4	8	8	5	0	11	10	10	5	2	5	0	1	20	0	30	0	0
Year	12.9	SE.	53	SE.	20	33	23	16	73	52	36	72	61	0	152	105	109	99	78	29	4	4	71	11	152	38	6

MOBILE, ALA.

[H=57 ft.; h_t=98 ft.; h_r=91 ft.; h_a=106 ft.]

January	8.0	N.	30	E.	0	16	3	3	9	7	6	5	13	0	11	10	10	11	8	0	0	1	0	0	2	2	0
February	8.4	NW.	36	SE.	0	8	4	10	8	3	4	3	17	1	11	9	9	8	6	0	0	2	0	0	3	1	0
March	7.4	SE.	23	NW.	0	9	4	3	25	12	4	2	3	0	9	17	5	4	3	0	0	5	0	0	0	3	0
April	8.5	S.	33	S.	0	9	4	5	10	15	6	3	7	1	9	15	6	13	11	0	3	3	0	0	0	10	0
May	8.1	SE.	33	NW.	0	2	5	2	22	13	5	5	8	0	14	16	1	5	4	0	1	0	0	0	0	7	0
June	6.4	N.	30	E.	0	16	4	9	11	5	5	3	7	0	13	15	2	11	8	0	0	0	0	6	0	16	0
July	6.1	NW.	32	NW.	0	9	5	3	10	6	10	5	13	1	5	19	7	15	15	0	0	0	0	14	0	16	0
August	6.1	S.	22	SE.	0	11	4	0	8	14	9	6	9	1	13	16	2	12	11	0	0	0	0	14	0	9	0
September	5.9	NE.	28	E.	0	12	21	5	6	4	5	0	7	0	7	14	9	12	7	0	0	0	0	8	0	9	0
October	6.3	NW.	31	NW.	0	15	5	2	6	7	1	2	24	0	23	7	1	2	2	0	0	0	0	0	0	1	0
November	7.8	SE.	28	NW.	0	6	1	8	14	4	12	3	11	1	16	9	5	7	5	0	0	1	0	0	0	1	0
December	7.4	NW.	24	N.	0	11	2	9	12	5	2	3	16	2	6	17	8	7	6	0	0	5	0	0	0	0	0
Year	7.2	SE.	36	SE.	0	124	62	59	141	95	69	40	135	7	137	164	65	107	86	0	4	17	0	42	5	75	0

MODENA, UTAH.

[H=5,479 ft.; h_t=10 ft.; h_r=2 ft.; h_a=43 ft.]

January	7.6	W.	36	SW.	0	3	3	12	2	4	14	23	1	0	5	9	17	7	6	7	0	2	1	0	30	0	0
February	9.6	W.	48	SW.	2	6	5	4	4	5	11	19	4	0	10	5	14	3	3	3	0	1	2	0	28	0	0
March	11.7	W.	50	SW.	2	8	3	7	0	0	15	24	5	0	13	9	9	5	4	5	0	0	1	0	23	0	0
April	12.6	W.	50	SW.	4	1	8	7	2	1	15	19	6	1	15	8	7	3	2	2	0	0	0	0	15	0	0
May	14.6	SW.	60	W.	8	6	2	7	2	0	20	19	5	1	13	11	7	6	3	2	0	0	0	0	7	1	0
June	12.2	SW.	68	SW.	5	5	1	5	3	1	19	22	3	1	15	10	5	4	2	0	0	0	0	0	1	2	0
July	9.7	W.	36	S.	0	5	3	6	3	1	20	19	4	1	11	11	9	8	7	0	0	0	0	13	0	14	0
August	10.0	SW.	48	SW.	3	7	5	5	1	1	23	16	4	0	13	14	4	7	6	0	0	2	0	0	1	0	0
September	8.9	W.	56	SW.	4	4	3	5	5	1	13	22	6	1	15	10	5	7	5	0	1	0	0	0	3	3	0
October	10.2	W.	56	SW.	3	2	2	9	8	0	12	14	14	1	15	10	6	8	6	0	0	0	0	0	22	0	0
November	8.1	NW.	34	SW.	0	0	8	8	5	2	4	16	17	0	15	12	3	1	0	1	0	0	0	0	30	0	0
December	7.4	W.	34	SW.	0	0	5	6	2	0	7	22	17	3	10	12	9	5	4	5	0	0	7	0	31	0	0
Year	10.3	W.	68	SW.	31	47	48	81	37	16	173	235	86	9	150	121	95	64	48	31	4	3	11	14	190	33	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

MONTGOMERY, ALA.

[ϕ=32° 23′ N.; λ=86° 18′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.858	30.221	29.176	40.6	50.2	55.4	37.9	46.6	69	22	34	37	78	63	0.210	0.238	5.05	2.33	5.6	4.4	5.9
February	29.928	30.313	29.359	40.3	49.8	55.5	37.7	46.6	75	23	31	35	70	59	.187	.226	3.55	1.13	5.6	5.3	6.1
March	29.869	30.218	29.510	57.7	68.9	75.6	54.7	65.2	87	35	54	53	87	59	.425	.417	5.36	3.34	4.3	4.0	5.4
April	29.762	30.035	29.375	62.4	71.7	78.7	58.9	68.8	88	41	56	55	81	59	.481	.463	10.96	3.95	7.2	5.2	6.6
May	29.744	29.963	29.455	67.7	76.7	83.7	62.7	73.2	95	44	62	60	82	60	.572	.547	3.90	1.44	4.3	4.7	5.3
June	29.789	29.976	29.632	73.7	82.6	90.0	69.2	79.6	95	62	65	63	76	54	.629	.588	.45	.13	3.2	5.1	5.0
July	29.814	30.009	29.695	75.8	80.7	90.3	71.4	80.8	97	68	70	69	82	69	.728	.704	4.75	2.06	5.0	8.0	6.6
August	29.754	29.971	29.584	74.2	81.3	89.8	70.6	80.2	98	62	69	67	85	64	.718	.670	2.72	1.31	3.8	5.9	5.8
September	29.790	29.959	29.570	69.1	77.4	85.1	65.9	75.5	96	48	62	62	79	61	.574	.572	1.34	.70	4.0	4.4	4.9
October	29.845	30.135	29.600	53.3	66.8	73.7	50.5	62.1	84	44	46	45	77	50	.313	.312	3.08	2.48	2.8	2.6	3.0
November	29.897	30.152	29.602	51.2	62.3	70.2	48.6	59.4	82	32	46	47	83	59	.334	.346	1.88	1.58	3.5	2.9	3.9
December	29.904	30.194	29.551	47.7	56.4	63.4	44.2	53.8	77	31	41	42	78	61	.277	.297	3.02	2.14	6.0	5.2	5.9
Year	29.830	30.313	29.176	59.5	68.7	76.0	56.0	66.0	98	22	53	53	80	60	.454	.448	46.06	3.95	4.6	4.8	5.4

MOORHEAD, MINN.

[ϕ=46° 52′ N.; λ=96° 44′ W.]

January	28.982	29.624	28.474	10.7	18.3	26.7	4.7	15.7	54	−29	9	15	90	86	0.071	0.003	0.16	0.06	2.6	2.3	5.0
February	29.075	29.486	28.498	11.3	17.6	22.6	6.5	14.6	40	−20	9	16	89	90	.076	.094	2.18	.84	5.2	5.4	6.0
March	29.017	29.525	28.418	16.0	24.7	31.6	11.4	21.5	52	−16	13	20	88	83	.086	.114	1.14	.32	5.0	8.1	5.9
April	28.876	29.510	28.066	35.4	50.2	57.5	32.2	44.8	90	6	31	35	83	60	.179	.214	1.20	.56	3.3	4.4	5.1
May	28.900	29.264	28.409	45.7	60.0	64.3	41.7	53.0	80	21	42	45	85	61	.275	.319	4.16	1.36	6.0	4.6	5.8
June	28.888	29.357	28.378	57.4	67.6	71.4	52.3	61.8	86	36	54	56	88	68	.424	.467	2.99	.84	4.7	5.5	5.6
July	29.025	29.323	28.700	62.1	77.0	82.0	56.8	69.4	95	41	58	62	87	60	.498	.562	4.76	1.80	4.1	2.8	2.6
August	28.972	29.243	28.638	55.2	71.6	78.1	52.1	65.1	96	38	52	55	89	57	.397	.446	3.01	2.00	3.6	2.7	3.0
September	28.949	29.277	28.570	52.2	67.1	76.3	49.9	63.1	94	28	49	53	88	64	.359	.433	2.11	1.01	3.7	3.1	3.5
October	28.995	29.445	28.375	39.2	47.2	54.4	36.5	45.4	80	20	36	39	89	75	.221	.250	.93	.57	6.4	4.6	5.7
November	28.941	29.565	28.281	27.4	32.7	40.9	23.0	32.0	64	− 2	26	29	92	86	.138	.162	2.81	2.14	5.9	4.9	5.9
December	28.994	29.571	28.402	11.6	15.7	21.9	4.9	13.4	40	−18	10	15	94	94	.076	.089	.48	.14	4.8	4.8	4.8
Year	28.968	29.624	28.066	35.4	45.8	52.3	31.0	41.6	96	−29	32	37	88	74	.233	.270	25.93	2.14	4.6	4.4	4.9

MOUNT TAMALPAIS, CAL.

[ϕ=37° 56′ N.; λ=122° 35′ W.]

January	27.587	27.919	27.078	43.0	44.9	48.4	40.1	44.2	60	34	40	40	89	86	0.246	0.254	7.65	2.79	3.8	5.7	6.7
February	27.561	27.861	27.120	40.6	44.3	48.1	37.7	42.9	66	32	37	40	88	87	.221	.251	5.70	2.03	3.7	5.5	5.3
March	27.643	27.916	27.360	47.2	51.9	56.2	44.0	50.1	70	32	33	37	64	62	.191	.225	1.19	.36	2.0	2.1	2.7
April	27.559	27.760	27.274	50.3	56.5	60.8	46.8	53.8	81	36	34	40	60	60	.198	.255	.59	.29	2.1	2.5	2.9
May	27.523	27.737	27.272	46.2	53.4	58.2	43.2	50.7	77	34	39	43	78	70	.236	.280	1.44	.37	1.8	2.8	2.6
June	27.514	27.630	27.275	54.9	63.3	67.8	51.2	59.5	85	36	36	43	56	52	.219	.280	.34	.34	.9	1.1	1.7
July	27.524	27.637	27.410	69.4	75.8	80.2	65.5	72.8	90	47	38	42	37	32	.242	.270	.00	.....	.2	.4	.6
August	27.513	27.653	27.385	68.2	72.4	77.6	62.8	70.2	96	43	31	40	32	35	.193	.253	.00	.....	.3	.1	.5
September	27.546	27.669	27.254	62.6	68.3	74.2	58.3	66.2	88	44	35	39	44	38	.220	.244	.02	.01	1.2	3.0	2.3
October	27.571	27.689	27.255	52.4	56.2	61.3	49.4	55.4	80	38	37	39	61	58	.227	.244	1.68	1.20	1.5	2.4	2.8
November	27.605	27.769	27.329	51.0	53.4	57.7	48.0	52.8	73	34	41	43	73	71	.263	.278	2.65	1.07	2.6	4.1	4.8
December	27.616	27.800	27.339	41.5	43.0	47.1	38.9	43.0	59	31	39	40	92	91	.241	.252	3.87	1.41	3.9	3.9	5.1
Year	27.564	27.919	27.078	52.3	57.0	61.5	48.8	55.1	96	31	37	40	64	62	.225	.257	25.13	2.79	2.0	2.8	3.2

MOUNT WEATHER, VA.

[ϕ=39° 4′ N.; λ=77° 53′ W.]

January	28.117	28.558	27.242	26.9	29.5	36.1	21.6	28.8	53	4	21	23	81	77	0.116	0.127	3.94	1.70	6.1	3.8	5.0
February	28.164	28.833	27.349	22.0	25.0	31.1	18.0	24.6	58	4	18	20	83	79	.109	.111	3.85	1.02	5.9	4.6	5.9
March	28.224	28.680	27.783	39.0	43.4	51.5	34.4	43.0	74	19	33	33	80	70	.196	.198	2.02	.58	6.5	3.2	6.3
April	28.123	28.598	27.603	47.4	52.6	61.5	42.1	51.8	80	24	40	40	78	64	.262	.280	1.84	.40	4.9	4.8	5.2
May	28.138	28.435	27.739	56.7	60.2	66.7	52.8	59.8	82	30	50	52	81	77	.389	.419	5.86	1.52	4.7	5.7	6.5
June	28.281	28.487	28.058	63.6	67.2	73.8	59.3	66.6	87	47	58	58	82	74	.482	.492	3.86	1.59	4.3	5.4	5.4
July	28.291	28.459	28.016	68.4	71.8	79.5	64.5	72.0	89	54	62	63	82	75	.569	.585	3.15	1.28	5.8	5.8	6.0
August	28.249	28.496	28.007	65.0	68.5	74.8	61.6	68.2	89	50	59	60	81	75	.507	.518	7.40	2.94	5.4	5.7	5.8
September	28.313	28.569	28.039	60.6	64.7	71.8	57.0	64.4	82	40	52	56	76	74	.410	.456	2.27	1.85	2.4	2.3	4.0
October	28.310	28.687	27.857	50.3	55.3	61.1	47.0	54.0	77	32	43	45	78	71	.289	.311	3.24	1.24	3.2	2.8	3.8
November	28.214	28.534	27.768	40.3	44.4	50.8	35.3	43.0	65	20	32	34	73	68	.192	.211	.44	.33	3.8	4.0	4.9
December	28.186	28.572	27.697	30.6	33.0	40.8	25.7	33.2	63	14	24	25	76	72	.131	.134	1.68	.97	6.5	5.3	6.4
Year	28.219	28.833	27.242	47.6	51.3	58.3	43.3	50.8	89	4	41	42	79	73	.304	.318	39.55	2.94	5.0	4.4	5.4

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

MONTGOMERY, ALA.

[H = 223 ft.; h_t = 100 ft.; h_r = 71 ft.; h_a = 112 ft.]

Month.	Wind.														Number of days.										
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.				Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																						
January	7.8	N.	28	NW.	0	14	2	7	11	6	7	6	9	0	8	10	13	13	8	0	0	2	0	0	6	2	0
February	8.9	NW.	31	SW.	0	4	5	11	5	4	5	6	18	0	8	9	12	8	7	0	0	0	0	0	7	1	0
March	7.5	SW.	24	SW.	0	10	6	5	6	13	17	3	2	0	9	14	8	7	4	0	1	1	0	0	0	2	0
April	6.8	SW.	35	SW.	0	9	3	5	7	9	13	10	4	0	4	16	10	13	8	0	2	1	0	0	0	8	0
May	6.1	W.	31	W.	0	5	3	3	6	12	11	15	6	1	11	11	9	7	6	0	0	0	0	7	0	8	0
June	5.8	N.	30	NW.	0	13	11	5	7	10	4	5	5	0	11	13	6	8	3	0	0	0	0	16	0	12	0
July	5.4	NW.	32	NW.	0	7	10	10	7	3	6	7	11	1	3	15	13	10	7	0	1	0	0	17	0	13	0
August	5.0	W.	48	S.	1	5	8	9	7	4	8	11	10	0	7	13	11	7	7	0	0	0	0	17	0	8	0
September	6.2	E.	34	NE.	0	4	12	29	4	7	3	1	0	0	12	11	7	8	5	0	0	0	0	8	0	3	0
October	5.5	NE.	20	NW.	0	8	19	15	3	1	0	5	11	0	20	4	7	4	4	0	0	1	0	0	0	2	0
November	6.2	SW.	20	SW.	0	9	3	7	5	9	12	7	8	0	17	6	7	6	5	0	0	3	0	0	2	2	0
December	7.1	N.	26	NW.	0	13	3	4	11	3	11	6	11	0	9	10	12	7	6	0	0	1	0	0	1	0	0
Year	6.5	E.	48	S.	1	101	85	110	79	81	97	82	95	2	119	132	115	98	70	0	4	9	0	65	16	61	0

MOORHEAD, MINN.

[H = 940 ft.; h_t = 8 ft.; h_r = 3 ft.; h_a = 57 ft.]

January	9.2	NW.	33	NW.	0	9	0	1	5	14	10	5	18	0	10	11	10	4	2	4	0	0	22	0	31	0	0
February	9.4	NW.	28	NW.	0	10	3	4	11	7	1	5	17	0	7	10	12	8	8	8	0	0	22	0	28	0	0
March	9.7	NW.	31	NW.	0	10	10	5	4	7	8	5	13	0	7	14	10	15	8	14	0	0	18	0	31	0	1
April	11.8	NW.	36	NW.	0	4	10	2	10	8	5	4	17	0	13	5	12	5	4	1	0	0	2	1	15	1	0
May	8.1	NE.	33	E.	0	6	20	8	6	2	7	5	8	0	10	8	13	11	11	0	1	0	0	0	7	3	1
June	9.2	SE.	27	SE.	0	5	2	2	25	7	5	4	10	0	10	9	11	11	9	0	1	0	0	0	0	7	0
July	6.5	S.	22	SW.	0	9	8	0	12	20	3	2	8	0	21	9	1	11	10	0	1	0	0	3	0	8	0
August	7.1	SE.	40	NW.	1	8	5	0	17	8	5	7	12	0	18	9	4	8	6	0	2	0	0	2	0	5	3
September	8.4	NW.	29	NW.	0	3	6	1	18	7	2	5	18	0	15	9	6	6	6	0	0	0	0	3	2	3	4
October	9.7	SE.	30	SE.	0	15	2	2	15	9	2	4	13	0	10	7	14	7	5	0	0	0	1	0	9	0	1
November	9.1	NW.	34	NW.	0	4	4	0	5	10	13	9	15	0	10	5	15	8	3	7	0	0	9	0	30	0	2
December	8.9	SW.	36	NW.	0	6	2	2	6	9	15	10	12	0	14	6	11	9	5	9	0	0	25	0	31	0	0
Year	8.9	NW.	40	NW.	1	89	72	27	134	108	76	65	161	0	145	102	119	103	77	43	5	0	99	9	184	27	12

MOUNT TAMALPAIS, CAL.

[H = 2,375 ft.; h_t = 11 ft.; h_r = 5 ft.; h_a = 18 ft.]

January	17.7	SE.	53	NW.	8	2	7	10	12	5	11	3	12	0	7	6	18	17	14	0	1	18	0	0	0	0	0
February	17.1	NW.	60	NW.	12	6	6	1	4	7	9	4	21	0	11	9	9	11	9	1	0	11	0	0	0	1	0
March	18.1	NW.	72	NW.	12	12	5	3	1	1	2	15	23	0	21	7	3	8	7	5	0	5	0	0	1	0	0
April	17.2	N.	58	NW.	9	16	2	0	0	1	12	15	14	0	20	5	5	6	3	0	0	6	0	0	0	0	0
May	22.3	NW.	76	NW.	23	7	0	0	0	1	6	16	32	0	22	6	3	11	7	0	0	10	0	0	0	0	0
June	18.0	NW.	77	NW.	15	4	0	0	0	1	6	20	29	0	24	4	2	2	1	0	0	4	0	0	0	0	0
July	15.2	NW.	52	NW.	7	0	1	1	1	2	12	23	22	0	30	1	0	0	0	0	0	3	0	0	0	0	0
August	16.2	NW.	66	NW.	13	1	0	0	0	0	5	20	36	0	29	2	0	0	0	0	0	2	0	4	0	0	0
September	13.8	NW.	62	NW.	8	7	5	1	0	1	9	13	23	1	23	3	4	2	0	0	0	3	0	0	0	0	0
October	18.8	NW.	74	NW.	9	13	5	5	2	6	6	9	16	0	20	7	4	6	6	0	0	7	0	0	0	0	0
November	13.7	NW.	56	NW.	7	9	11	8	3	5	13	0	9	2	14	6	10	5	5	0	1	8	0	0	0	0	0
December	17.5	SE.	52	NW.	5	12	10	5	11	4	6	2	12	0	15	2	14	13	11	0	0	14	0	0	3	0	0
Year	17.1	NW.	77	NW.	128	89	52	34	34	34	97	140	249	3	236	58	72	81	63	6	2	91	0	4	4	1	0

MOUNT WEATHER, VA.

[H = 1,725 ft.; h_t = 10 ft.; h_r = 3 ft.; h_a = 54 ft.]

January	19.5	NW.	60	NW.	15	1	1	2	10	6	9	4	29	0	13	11	7	7	5	3	1	6	7	0	27	0	0
February	19.1	NW.	60	NW.	12	0	1	0	15	3	3	4	32	0	10	9	10	11	10	7	0	10	20	0	28	0	0
March	16.3	NW.	61	NW.	6	3	0	0	15	10	10	3	21	0	6	12	13	14	10	1	0	12	2	0	14	2	0
April	17.9	NW.	75	NW.	8	0	2	1	14	4	8	6	25	0	10	11	9	12	10	0	0	7	0	0	5	1	0
May	12.7	NW.	70	NW.	4	2	3	4	19	1	8	3	22	0	6	10	15	17	13	0	0	13	0	0	1	8	1
June	10.0	NW.	41	NW.	1	0	4	3	15	7	5	7	19	0	8	13	9	11	8	0	0	6	0	0	0	9	0
July	9.7	SE.	37	NW.	0	0	3	4	16	8	10	4	17	0	6	13	12	14	9	0	0	7	0	0	0	12	0
August	9.3	NW.	41	NW.	1	1	4	6	12	7	9	10	13	0	9	9	13	10	9	0	1	7	0	0	0	8	0
September	10.0	SE.	57	NW.	2	1	1	6	18	4	9	6	14	1	17	6	7	7	2	0	0	10	0	0	0	2	3
October	12.2	NW.	54	NW.	1	2	4	8	17	3	3	1	24	0	18	5	8	7	5	0	0	9	0	0	1	1	0
November	15.7	NW.	49	NW.	9	0	1	0	8	9	12	4	26	0	13	9	8	4	2	1	0	4	1	0	11	0	0
December	16.8	NW.	60	NW.	9	3	0	1	9	4	12	7	26	0	8	9	14	9	5	3	0	7	6	0	26	0	0
Year	14.1	NW.	75	NW.	68	13	24	35	168	66	98	59	268	1	124	117	125	123	88	15	2	98	36	0	113	43	4

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

NANTUCKET, MASS.

[ϕ=41° 17′ N.; λ=70° 6′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.919	30.557	29.110	30.6	33.2	39.6	25.9	32.8	52	5	26	29	82	83	0.150	0.168	3.78	1.08	5.0	3.5	5.0
February	30.016	30.722	29.100	26.8	28.9	35.0	21.8	28.4	50	3	22	24	82	81	.126	.140	3.71	1.03	5.2	4.0	6.7
March	30.067	30.517	29.464	36.4	37.3	43.4	31.2	37.3	56	18	33	34	86	88	.194	.203	2.74	.66	5.3	5.4	5.9
April	29.868	30.476	29.328	43.7	42.7	50.4	37.0	43.7	62	26	38	38	82	85	.248	.243	3.55	.82	4.2	3.6	5.5
May	29.950	30.341	29.385	54.7	50.7	60.5	47.4	54.0	73	40	51	49	87	94	.379	.351	1.27	.64	4.1	4.3	6.0
June	30.021	30.381	29.702	65.4	60.3	70.4	56.0	63.2	78	44	59	57	80	89	.507	.469	1.66	1.00	3.5	3.8	4.2
July	30.039	30.267	29.730	71.6	67.7	78.1	63.9	71.0	89	56	66	65	84	91	.649	.623	1.00	.37	4.9	5.6	4.8
August	30.002	30.294	29.652	68.4	64.6	72.8	61.1	67.0	81	54	64	62	86	92	.605	.562	4.28	1.32	5.6	4.5	5.8
September	30.074	30.348	29.621	63.6	60.8	69.0	57.5	63.2	76	47	58	57	83	88	.488	.472	2.98	2.10	4.1	3.2	5.7
October	30.099	30.552	29.133	56.4	54.9	62.5	51.6	57.0	74	39	51	50	83	83	.390	.373	4.97	1.93	4.8	4.7	5.9
November	29.971	30.417	29.501	44.0	44.7	51.2	39.8	45.5	62	30	37	37	78	75	.236	.232	.95	.41	4.9	4.6	6.1
December	29.997	30.494	29.275	35.5	36.9	43.0	30.9	37.0	58	20	29	29	77	73	.170	.171	4.89	1.55	7.6	6.4	7.2
Year	30.004	30.722	29.100	49.8	48.6	56.3	43.7	50.0	89	3	44	44	82	85	.345	.334	35.78	2.10	4.9	4.3	5.7

NARRAGANSETT PIER, R. I.

[ϕ=41° 19′ N.; λ=71° 17′ W.]

January						40.2	21.2	30.7	53	− 2							3.03	0.85			
February						35.5	18.1	26.8	52	− 2							3.81	1.53			
March						44.7	30.1	37.4	60	12							3.85	1.01			
April						53.7	36.4	45.0	66	21							2.64	.55			
May						61.8	48.3	56.0	82	38							4.19	2.45			
June						72.6	56.9	64.8	84	40							3.96	1.98			
July						78.2	63.0	70.6	90	50							2.78	1.61			
August						74.5	60.4	67.4	86	47							7.27	3.60			
September						70.7	54.4	62.6	80	44							1.08	.55			
October						63.0	44.5	53.8	80	26							5.24	2.33			
November						50.7	33.4	42.0	63	20							1.84	.83			
December						43.0	24.8	33.9	64	11							4.70	2.02			
Year						57.4	41.0	49.2	90	− 2							44.39	3.60			

NASHVILLE, TENN.

[ϕ=36° 10′ N.; λ=86° 47′ W.]

January	29.520	29.952	28.663	34.2	41.3	46.8	30.3	38.6	63	15	27	28	76	58	0.153	0.158	3.02	1.16	5.3	5.0	5.7
February	29.555	29.984	28.792	36.0	42.8	48.2	33.0	40.6	66	14	28	31	72	63	.169	.191	4.15	1.02	6.7	5.0	6.9
March	29.516	30.075	29.173	51.1	59.7	66.5	47.5	57.0	86	30	45	45	80	61	.310	.316	4.16	1.22	6.9	5.5	6.9
April	29.432	29.763	28.928	55.3	66.1	71.6	50.7	61.2	84	33	47	48	75	54	.349	.358	4.43	1.28	6.5	6.7	6.5
May	29.380	29.651	29.081	64.9	72.2	78.8	59.8	69.3	91	36	58	59	78	65	.500	.520	2.80	.80	4.9	6.3	5.8
June	29.482	29.651	29.326	71.1	79.5	84.8	66.6	75.7	97	57	64	65	79	62	.606	.617	2.73	1.09	4.1	5.0	4.9
July	29.500	29.655	29.336	73.3	80.7	87.8	69.0	78.4	94	61	68	69	84	69	.685	.711	3.32	1.46	4.7	6.0	5.2
August	29.440	29.658	29.291	71.7	81.3	88.3	68.9	78.6	96	60	67	69	86	67	.666	.716	1.69	.77	3.7	4.8	4.9
September	29.507	29.726	29.228	63.7	77.2	84.3	61.8	73.0	95	41	60	62	87	60	.519	.562	1.89	.70	3.4	2.3	3.4
October	29.549	29.856	29.283	48.9	64.1	71.4	47.0	59.2	85	37	44	50	84	63	.293	.375	.44	.35	1.8	3.1	4.1
November	29.541	29.961	29.192	46.0	57.1	63.2	43.2	53.2	77	24	39	45	77	65	.261	.322	3.31	1.65	4.7	3.8	5.5
December	29.567	30.041	29.206	40.8	46.9	52.0	36.5	44.2	68	20	35	38	80	73	.219	.245	2.10	.57	5.4	6.2	6.4
Year	29.499	30.075	28.663	54.8	64.1	70.3	51.2	60.8	97	14	48	51	80	63	.394	.424	34.04	1.65	4.8	5.0	5.5

NEW HAVEN, CONN.

[ϕ=41° 18′ N.; λ=72° 56′ W.]

January	29.857	30.445	28.864	27.0	31.7	39.3	21.5	30.4	54	1	18	21	65	63	0.108	0.124	4.18	1.55	4.5	4.2	4.7
February	29.962	30.663	28.980	22.0	28.0	34.3	17.7	26.0	53	− 3	13	20	66	70	.092	.118	6.44	2.31	3.9	4.2	4.9
March	29.982	30.498	29.344	35.1	39.6	46.7	31.0	38.8	66	15	27	31	71	72	.154	.184	3.78	1.39	5.7	4.2	6.1
April	29.810	30.403	29.327	44.6	47.8	57.8	38.7	48.2	81	24	32	35	61	64	.191	.228	2.15	.66	3.8	4.1	4.4
May	29.828	30.166	29.280	58.0	59.4	68.4	51.7	60.2	86	38	47	50	70	74	.346	.390	6.16	2.78	5.7	6.2	5.6
June	29.926	30.285	29.696	67.4	69.2	79.4	58.9	69.2	91	47	54	57	63	67	.431	.484	1.20	.50	2.0	2.1	2.9
July	29.938	30.162	29.591	72.9	73.8	83.2	65.9	74.6	94	56	63	64	73	74	.594	.616	3.94	2.72	4.5	4.7	4.2
August	29.911	30.205	29.581	67.4	69.6	78.0	61.1	69.6	91	45	59	61	76	76	.524	.553	8.12	2.93	4.8	4.5	4.8
September	29.987	30.301	29.674	62.1	65.7	74.3	57.0	65.6	83	44	53	56	74	72	.420	.462	.88	.64	4.7	5.3	4.0
October	30.022	30.478	29.400	51.4	56.6	66.5	46.1	56.3	89	32	44	46	75	71	.303	.340	1.58	.83	3.9	2.7	4.3
November	29.898	30.324	29.342	39.1	43.8	50.6	35.1	42.8	60	24	31	34	73	71	.181	.214	.83	.51	4.5	3.4	5.3
December	29.917	30.423	29.235	30.4	34.4	40.6	26.2	33.4	67	14	22	25	68	68	.127	.139	4.07	1.96	5.1	4.4	5.2
Year	29.920	30.663	28.864	48.1	51.6	59.9	42.6	51.3	94	− 3	39	42	70	70	.289	.321	43.33	2.93	4.4	4.2	4.7

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

NANTUCKET, MASS.

[H=12 ft.; h_t=14 ft.; h_r=4 ft.; h_a=90 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	20.9	SW.	83	NE.	10	5	2	1	4	5	15	15	15	0	13	11	7	10	8	3	0	1	4	0	25	2	0
February	18.1	W.	58	SE.	6	7	2	3	7	4	6	15	14	0	8	7	14	12	11	6	0	6	12	0	25	1	0
March	16.8	SW.	56	SW.	7	7	3	3	7	7	16	10	9	0	9	13	9	16	13	1	0	5	2	0	18	2	1
April	19.4	SW.	49	SW.	7	6	4	1	4	7	19	10	9	0	12	10	8	17	13	0	0	13	0	0	8	2	0
May	17.5	SW.	51	W.	6	2	5	7	12	5	23	5	3	0	8	12	11	10	9	0	0	11	0	0	0	0	1
June	14.2	SW.	32	SW.	0	3	6	5	4	11	25	5	1	0	16	12	2	5	3	0	0	4	0	0	0	1	0
July	13.7	SW.	39	SW.	0	1	7	2	7	6	27	7	5	0	12	16	3	8	4	0	0	10	0	0	0	7	0
August	14.7	SW.	55	NE.	4	3	12	3	5	9	24	1	5	0	11	7	13	12	10	0	0	5	0	0	0	3	0
September	13.9	SW.	48	N.	4	6	12	3	5	9	14	6	5	0	12	7	11	3	3	0	0	8	0	0	0	0	0
October	15.2	NE.	56	N.	4	6	15	12	3	2	6	11	7	0	10	10	11	8	8	0	0	1	0	0	0	1	0
November	16.4	W.	42	W.	2	6	2	1	4	5	10	24	8	0	8	12	10	10	7	0	1	9	0	0	1	2	0
December	16.9	W.	60	NE.	2	4	3	2	6	1	13	17	16	0	5	11	15	13	10	5	0	2	2	0	21	0	0
Year	16.5	SW.	83	NE.	52	56	73	43	68	71	198	126	97	0	124	128	114	124	99	15	1	75	20	0	98	21	2

NARRAGANSETT PIER, R. I.

[H=— ft.; h_t=9 ft.; h_r=3 ft.; h_a=— ft.]

January	.....	SW.	....	.....	2	1	1	0	2	0	12	4	11	0	24	0	7	9	8	2	0	0	5	0	25	0	0
February	.....	NW.	....	.....	2	0	0	4	6	0	3	7	9	0	19	2	8	11	10	6	0	3	9	0	26	0	0
March	.....	W.	....	.....	0	1	2	4	5	6	4	7	2	0	16	7	8	16	14	3	1	4	1	0	16	2	0
April	.....	NW.	....	.....	0	0	0	3	3	4	7	5	8	0	18	5	7	12	11	0	1	7	0	0	8	0	0
May	.....	SW.	....	.....	2	0	9	3	2	2	15	0	0	0	16	2	13	9	9	0	0	5	0	0	0	0	0
June	.....	SW.	....	.....	0	0	2	0	5	4	17	2	0	0	26	4	0	6	6	0	0	0	0	0	0	4	0
July	.....	SW.	....	.....	0	0	1	5	4	4	12	4	1	0	22	5	4	9	8	0	0	3	0	1	0	5	0
August	.....	SW.	....	.....	0	0	6	3	4	3	12	3	0	0	17	3	11	10	6	0	0	1	0	0	0	3	0
September	.....	SW.	....	.....	0	2	5	6	1	6	6	4	0	0	14	7	9	3	3	0	0	5	0	0	0	0	1
October	.....	E.	....	.....	0	3	5	7	2	1	4	2	7	0	20	3	8	8	8	0	0	3	0	0	0	3	0
November	.....	SW.	....	.....	0	2	0	2	2	2	8	8	6	0	19	1	10	10	9	0	0	5	0	0	15	0	0
December	.....	SW.	....	.....	0	0	2	0	3	2	9	9	6	0	16	5	10	10	9	1	0	0	2	0	27	0	0
Year	.....	SW.	....	.....	6	9	33	37	39	34	109	55	50	0	227	44	95	113	101	12	2	36	17	1	120	14	1

NASHVILLE, TENN.

[H=546 ft.; h_t=79 ft.; h_r=74 ft.; h_a=91 ft.]

January	6.7	NW.	30	NW.	0	6	6	10	7	8	4	10	11	0	10	7	14	8	6	2	0	2	1	0	21	0	0
February	9.0	W.	42	SE.	1	1	7	10	10	1	6	16	7	0	7	4	18	12	9	0	0	0	1	0	16	2	0
March	8.0	S.	28	S.	0	8	6	7	9	13	11	3	5	0	5	9	17	11	9	0	0	1	0	0	1	2	0
April	6.7	SW.	38	S.	0	6	6	10	6	7	11	5	9	0	7	8	15	13	12	0	0	1	0	0	0	4	0
May	6.2	SW.	35	NW.	0	2	3	8	13	11	14	8	3	0	9	8	14	13	8	0	0	0	0	2	0	8	0
June	5.0	NE.	32	SW.	0	8	11	8	8	4	6	11	4	0	11	10	9	11	8	0	0	0	0	5	0	7	0
July	4.7	W.	24	SW.	0	4	8	8	8	3	9	11	9	2	11	11	9	11	9	0	0	0	0	9	0	12	0
August	4.1	N.	25	N.	0	16	9	4	5	3	10	9	6	0	11	12	8	9	7	0	0	0	0	12	0	8	0
September	4.1	SE.	25	W.	0	6	6	10	15	2	6	7	7	1	18	8	4	5	4	0	0	1	0	4	0	3	0
October	4.4	NW.	22	S.	0	11	7	5	4	7	6	7	12	3	16	9	6	3	2	0	0	1	0	0	0	0	0
November	6.0	SW.	29	SE.	0	8	6	6	6	4	11	7	8	4	9	9	12	8	6	0	0	1	0	0	6	3	0
December	6.1	SW.	34	W.	0	1	4	5	7	5	19	8	13	0	7	10	14	9	9	1	0	3	0	0	11	0	0
Year	5.9	SW.	42	SE.	1	77	79	91	98	68	113	102	94	10	121	105	140	113	89	3	0	10	2	32	55	49	0

NEW HAVEN, CONN.

[H=106 ft.; h_t=116 ft.; h_r=111 ft.; h_a=155 ft.]

January	10.4	SW.	38	NE.	0	5	6	1	1	5	18	8	18	0	13	9	9	12	9	6	0	0	5	0	25	0	0
February	11.5	NW.	54	SE.	3	12	8	3	6	0	8	11	10	0	11	9	9	10	9	6	0	2	11	0	27	1	0
March	9.2	N.	38	NW.	0	12	8	2	4	10	9	5	12	0	8	11	12	14	12	4	0	0	0	0	17	2	0
April	11.8	NW.	50	W.	1	6	4	6	5	9	13	6	11	0	13	10	7	13	9	0	0	1	0	0	8	1	0
May	10.3	S.	35	W.	0	4	11	8	8	5	13	8	5	0	11	10	10	13	9	0	0	0	0	0	2	0	0
June	8.5	S.	32	W.	0	8	8	2	4	13	15	5	5	0	18	11	1	4	3	0	0	0	0	2	0	4	0
July	7.6	S.	26	NW.	0	5	5	4	7	18	9	5	9	0	13	14	4	8	5	0	0	0	0	4	0	7	0
August	8.3	N.	48	SW.	1	17	8	1	4	11	12	5	4	0	16	7	8	11	10	0	0	0	0	1	0	6	0
September	7.3	N.	36	S.	0	10	9	4	5	9	9	6	8	0	13	13	4	4	2	0	0	0	0	0	0	1	1
October	8.7	N.	37	NW.	0	16	15	6	2	2	5	4	12	0	13	11	7	8	7	0	0	1	0	0	1	1	1
November	8.8	W.	35	W.	0	8	8	0	2	6	13	17	6	0	11	7	12	9	5	0	0	3	0	0	11	0	1
December	9.5	W.	37	SE.	0	9	10	0	1	1	21	13	7	0	11	9	11	11	7	4	0	0	3	0	26	0	0
Year	9.3	SW.	54	SE.	5	112	100	37	49	89	145	93	107	0	151	121	94	117	87	20	0	7	19	7	115	25	3

* By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

NEW ORLEANS, LA.

[ϕ=29° 58′ N.; λ=90° 4′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	30.040	30.400	29.465	48.7	54.9	61.6	45.3	53.4	77	32	44	45	84	72	0.311	0.332	4.50	1.73	4.5	4.4	5.4
February	30.095	30.515	29.683	50.2	57.1	63.4	47.5	55.4	78	33	43	43	77	62	.307	.313	4.14	2.09	5.1	3.7	4.9
March	30.035	30.345	29.639	62.1	69.5	77.4	59.8	68.6	85	43	60	60	94	74	.535	.539	3.28	2.75	5.1	2.5	4.9
April	29.935	30.146	29.525	68.3	74.8	81.6	65.9	73.8	89	51	64	64	87	70	.623	.616	1.34	.64	4.9	4.9	5.0
May	29.918	30.071	29.691	71.6	76.5	84.0	67.8	75.9	91	53	67	66	84	71	.676	.656	4.77	3.40	3.7	4.5	4.9
June	29.951	30.128	29.824	78.2	80.8	88.3	74.1	81.2	92	65	72	71	80	72	.775	.752	2.39	.83	2.2	5.0	6.0
July	29.974	30.121	29.738	77.8	80.2	87.8	74.5	81.2	94	70	73	72	86	78	.813	.794	11.03	3.02	4.9	7.9	6.2
August	29.935	30.079	29.805	78.0	81.3	89.3	75.7	82.5	94	73	73	72	86	76	.820	.799	5.65	1.44	4.2	5.8	5.2
September	29.924	30.141	29.759	73.6	77.4	84.1	71.7	77.9	92	56	70	69	88	78	.745	.732	10.70	2.03	7.0	5.1	6.8
October	30.016	30.257	29.891	61.2	68.3	75.3	60.1	67.7	84	52	55	55	80	64	.446	.455	.78	.61	1.2	1.5	2.1
November	30.073	30.350	29.826	57.1	64.3	72.1	55.5	63.8	82	39	53	53	88	71	.438	.449	.69	.60	4.0	3.1	4.4
December	30.077	30.378	29.789	54.8	60.4	67.7	51.8	59.8	83	38	50	51	85	73	.391	.402	1.79	1.35	5.3	4.0	5.2
Year	29.998	30.515	29.465	65.1	70.5	77.7	62.5	70.1	94	32	60	60	85	72	.573	.570	51.06	3.40	4.3	4.4	5.1

NEW YORK, N. Y.

[ϕ=40° 43′ N.; λ=74° 0′ W.]

January	29.638	30.224	28.547	29.9	33.6	38.9	25.1	32.0	53	4	22	24	71	67	0.125	0.136	3.84	1.31	5.1	4.9	4.9
February	29.726	30.421	28.816	25.4	29.8	35.0	21.2	28.1	56	1	19	20	73	65	.114	.113	5.36	2.03	4.5	3.9	4.9
March	29.753	30.245	29.206	38.2	43.0	48.3	34.5	41.4	75	23	31	32	74	65	.184	.192	2.15	.63	5.4	4.4	5.9
April	29.591	30.174	28.947	45.8	51.6	59.0	42.2	50.6	79	27	40	41	79	69	.256	.276	1.82	.78	5.1	3.1	4.5
May	29.607	29.931	29.111	57.9	61.6	69.1	53.5	61.3	86	40	50	52	77	72	.386	.404	9.10	4.17	6.4	5.9	6.3
June	29.711	30.043	29.482	67.6	72.9	80.2	63.0	71.6	93	56	56	57	69	59	.471	.480	1.70	1.63	3.0	3.3	3.7
July	29.725	29.928	29.380	72.8	76.6	84.3	69.4	76.8	93	62	64	65	75	69	.604	.632	4.33	1.68	5.4	4.8	5.3
August	29.686	29.961	29.376	69.1	73.3	79.1	65.9	72.5	91	56	60	62	74	68	.534	.562	5.65	3.25	5.2	3.4	5.3
September	29.769	30.042	29.478	63.4	68.8	74.5	61.2	67.8	83	53	55	57	76	68	.453	.483	1.60	.90	5.2	5.6	5.3
October	29.795	30.232	29.223	56.4	60.7	66.3	52.9	59.6	84	38	48	48	74	66	.353	.356	1.92	.86	4.1	3.9	4.5
November	29.692	30.100	29.162	42.0	46.2	50.8	38.6	44.7	62	27	34	36	72	68	.201	.224	.75	.66	3.9	4.3	4.9
December	29.707	30.165	29.040	34.1	36.1	40.9	29.5	35.2	64	20	27	26	73	65	.152	.141	3.21	1.91	6.3	4.4	6.2
Year	29.700	30.421	28.547	50.2	54.5	60.5	46.4	53.5	93	1	42	43	74	67	.319	.333	41.43	4.17	5.0	4.3	5.1

NORFOLK, VA.

[ϕ=36° 51′ N.; λ=76° 17′ W.]

January	29.960	30.462	28.783	37.2	42.3	49.2	33.8	41.5	64	20	30	32	74	66	0.171	0.183	2.92	1.08	3.8	4.4	4.8
February	30.043	30.723	29.078	36.0	39.5	46.1	32.0	39.0	68	19	29	28	74	64	.179	.170	2.79	.63	6.1	3.3	5.8
March	30.038	30.546	29.597	48.9	54.2	62.8	43.8	53.3	82	29	42	46	78	74	.284	.327	4.50	1.34	4.9	4.4	5.2
April	29.905	30.380	29.250	56.8	61.5	70.3	51.0	60.6	88	35	49	51	76	71	.369	.397	3.26	1.18	4.6	2.7	5.0
May	29.866	30.144	29.401	64.8	67.5	76.2	59.1	67.6	90	42	57	59	76	75	.496	.519	3.99	1.18	5.4	4.0	5.6
June	29.976	30.190	29.711	71.4	72.6	80.6	65.0	72.8	94	60	63	65	76	77	.586	.618	4.56	3.33	3.4	4.0	3.7
July	29.972	30.186	29.574	77.2	79.0	86.3	72.2	79.2	93	65	71	72	80	79	.753	.780	5.78	3.19	4.2	5.8	5.5
August	29.924	30.144	29.603	74.1	75.4	82.2	70.0	76.1	93	63	68	69	83	82	.705	.720	8.00	3.79	5.7	5.8	6.2
September	30.007	30.271	29.772	67.1	69.4	75.8	63.4	69.6	85	54	60	62	79	78	.531	.568	2.28	1.40	4.5	2.9	4.6
October	30.008	30.416	29.416	60.0	62.2	68.4	56.7	62.6	80	40	53	55	80	79	.422	.451	2.36	1.25	3.8	3.3	5.0
November	30.022	30.351	29.482	47.1	53.8	61.2	44.7	53.0	74	32	40	43	77	69	.262	.302	.83	.67	2.2	2.3	3.3
December	30.012	30.485	29.447	42.2	45.9	52.6	38.1	45.4	74	30	36	37	79	72	.226	.231	2.98	.96	5.1	4.8	5.6
Year	29.978	30.723	28.783	56.9	60.3	67.6	52.5	60.1	94	19	50	52	78	74	.415	.439	44.25	3.79	4.5	4.0	5.0

NORTHFIELD, VT.

[ϕ=44° 10′ N.; λ=72° 41′ W.]

January	28.952	29.592	28.064	13.5	17.7	28.7	3.9	16.3	48	−14	8	12	80	75	0.076	0.080	1.93	0.71	6.5	6.0	6.8
February	29.062	29.784	28.002	7.2	14.8	22.8	.8	11.8	50	−35	4	10	86	78	.066	.081	4.44	1.15	6.9	5.6	6.4
March	29.081	29.545	28.276	25.4	30.2	38.2	16.4	27.3	62	− 8	19	23	77	74	.116	.135	2.17	.60	7.1	6.7	7.1
April	28.923	29.492	28.370	36.1	40.1	48.0	26.8	37.4	78	9	28	31	71	69	.167	.188	2.20	.58	6.0	5.6	6.6
May	28.969	29.419	28.247	54.4	57.2	66.6	43.8	55.2	87	29	48	52	81	82	.360	.406	3.73	.85	6.5	7.1	6.9
June	29.093	29.435	28.795	61.7	64.0	74.5	46.4	60.4	88	31	56	59	82	85	.456	.519	2.68	2.14	4.6	3.4	4.3
July	29.111	29.401	28.709	67.8	69.9	81.4	55.0	68.2	92	40	63	65	86	84	.589	.625	2.05	.95	5.1	4.6	5.7
August	29.097	29.434	28.783	60.4	61.7	73.8	49.8	61.8	86	37	57	58	90	89	.476	.496	3.73	2.09	4.5	4.1	5.5
September	29.172	29.552	28.808	52.6	57.9	75.4	43.3	59.4	86	27	50	52	91	82	.367	.405	.35	.20	2.2	1.7	6.2
October	29.217	29.629	28.634	40.4	45.8	60.3	32.6	46.4	80	19	37	41	89	82	.235	.266	1.99	.69	5.8	4.3	5.5
November	28.986	29.431	28.302	31.0	35.0	41.5	26.1	33.8	63	10	27	32	84	86	.148	.182	1.18	.24	7.3	6.7	7.8
December	29.023	29.589	28.490	17.5	19.9	29.4	9.3	19.4	61	−12	13	16	83	83	.088	.094	2.62	1.56	7.8	6.3	7.5
Year	29.060	29.784	28.002	39.0	42.8	53.4	29.5	41.4	92	−35	34	38	83	81	.262	.290	28.07	2.14	5.9	5.2	6.4

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

NEW ORLEANS, LA.

[H=51 ft.; h_t=90 ft.; h_r=78 ft.; h_a=121 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	9.9	N.	36	N.	0	16	5	10	2	4	5	11	8	1	10	10	11	11	7	0	1	5	0	0	2	2	0
February	11.0	SE.	40	SE.	1	7	7	6	10	0	8	5	15	0	12	7	10	6	5	0	0	1	0	0	0	4	0
March	9.2	SE.	24	NW.	0	5	3	7	27	13	5	1	1	0	12	13	6	6	4	0	0	0	0	0	0	2	0
April	9.1	SE.	30	NW.	0	6	6	1	19	14	4	6	3	1	10	13	7	5	4	0	0	2	0	0	0	5	0
May	10.0	SE.	36	S.	0	0	4	0	29	13	4	5	6	1	8	18	5	9	7	0	1	0	0	2	0	4	0
June	7.1	SE.	36	NW.	0	2	5	10	27	6	4	3	2	1	2	21	7	11	9	0	0	0	0	8	0	10	0
July	6.8	SE.	38	SE.	0	7	5	8	14	9	6	10	2	1	1	22	8	20	17	0	1	0	0	9	0	17	0
August	6.6	S.	27	SE.	0	9	3	7	12	8	11	9	3	0	7	20	4	17	14	0	0	0	0	15	0	11	0
September	7.5	E.	24	SE.	0	13	14	15	9	4	0	2	3	0	4	10	16	18	15	0	0	0	0	5	0	11	0
October	7.3	NE.	25	NW.	0	12	14	11	7	0	0	5	13	0	23	6	2	3	2	0	0	3	0	0	0	0	0
November	8.3	SE.	29	SE.	0	7	9	6	11	9	4	7	7	0	12	11	7	3	2	0	0	4	0	0	0	0	0
December	8.6	N.	28	NW.	0	13	8	9	8	9	3	1	10	1	8	16	7	5	3	0	0	4	0	0	0	0	0
Year	8.4	SE.	40	SE.	1	97	83	90	175	89	54	65	73	6	109	167	90	114	89	0	3	24	0	39	2	66	0

NEW YORK, N. Y.

[H=314 ft.; h_t=108 ft.; h_r=305 ft.; h_a=350 ft.]

January	14.8	NW.	48	W.	5	0	4	3	1	8	13	14	19	0	9	14	8	9	9	5	1	1	6	0	25	0	0
February	15.9	NW.	58	W.	8	1	5	9	1	3	3	16	20	0	11	10	8	11	9	8	0	2	14	0	25	0	0
March	12.6	NW.	57	NW.	5	0	5	6	5	8	8	7	23	0	10	8	13	13	11	2	0	2	1	0	15	2	0
April	15.7	NW.	60	W.	9	0	5	7	3	9	9	16	11	0	13	11	6	10	9	0	0	3	0	0	3	1	0
May	12.6	NE.	50	NW.	4	1	13	11	4	7	6	12	8	0	7	10	14	12	10	0	1	6	0	0	0	3	0
June	9.5	S.	42	W.	1	2	5	4	2	16	9	7	15	0	13	15	2	6	2	0	0	0	0	1	0	4	0
July	8.8	S.	33	W.	0	0	3	5	3	18	7	11	15	0	9	16	6	8	7	0	1	1	0	4	0	9	0
August	9.6	S.	37	NE.	0	2	10	5	5	19	5	6	10	0	12	10	9	10	10	0	0	0	0	2	0	4	0
September	8.9	NE.	31	W.	0	2	10	7	7	8	9	6	11	0	10	11	9	3	3	0	0	4	0	0	0	2	1
October	11.4	NE.	50	NW.	2	0	17	12	4	4	3	7	15	0	14	6	11	9	7	0	0	0	0	0	0	0	0
November	13.0	W.	46	W.	5	1	8	2	0	6	9	25	9	0	13	6	11	3	3	1	0	5	0	0	6	0	0
December	14.4	W.	50	NW.	5	1	6	1	0	7	12	24	11	0	7	9	15	10	9	4	0	3	1	0	22	0	0
Year	12.2	NW.	60	W.	44	10	91	72	35	113	93	151	167	0	128	126	112	104	89	20	3	27	22	7	96	25	1

NORFOLK, VA.

[H=91 ft.; h_t=102 ft.; h_r=96 ft.; h_a=111 ft.]

January	10.3	S.	56	SE.	2	7	11	6	3	13	9	7	6	0	15	4	12	11	8	2	0	0	2	0	11	0	0
February	10.8	N.	45	SW.	2	12	10	3	9	4	3	11	6	0	9	7	13	9	9	1	0	1	2	0	17	0	0
March	10.3	S.	32	SW.	0	6	12	4	11	17	4	4	4	0	14	5	12	16	12	2	0	1	0	0	3	2	0
April	11.1	S.	39	SW.	0	5	8	1	14	13	11	5	3	0	12	8	10	11	10	0	0	0	0	0	4	0	0
May	9.6	S.	40	NW.	1	3	8	3	10	19	8	5	6	0	10	11	10	12	10	0	0	1	0	1	0	9	0
June	8.0	NE.	25	NW.	0	2	20	2	14	13	4	2	3	0	18	7	5	6	5	0	0	0	0	4	0	3	0
July	9.1	S.	26	N.	0	5	13	3	5	23	10	2	1	0	9	13	9	14	11	0	0	0	0	9	0	9	0
August	8.3	S.	26	W.	0	12	10	2	8	17	9	0	4	0	8	9	14	13	11	0	0	0	0	6	0	5	0
September	8.1	NE.	33	NE.	0	13	23	5	4	3	4	2	4	2	12	10	8	6	5	0	0	1	0	0	0	1	1
October	10.1	NE.	33	NW.	0	21	19	1	6	5	3	0	7	0	11	9	11	6	6	0	0	3	0	0	0	1	0
November	8.7	S.	34	NW.	0	9	7	5	3	13	11	4	8	0	16	10	4	4	3	0	0	4	0	0	2	1	0
December	8.8	N.	39	N.	0	17	5	5	2	6	10	7	9	1	8	11	12	16	11	1	0	2	0	0	5	0	0
Year	9.4	S.	56	SE.	5	112	146	40	89	146	86	49	61	3	142	104	120	124	101	6	0	13	4	20	38	34	1

NORTHFIELD, VT.

[H=876 ft.; h_t=16 ft.; h_r=3 ft.; h_a=70 ft.]

January	9.1	S.	44	NW.	3	16	0	0	4	25	4	0	13	0	5	11	15	16	10	15	0	0	19	0	31	0	0
February	8.6	S.	34	SW.	0	12	2	0	1	25	5	1	11	1	5	12	12	14	11	11	0	0	25	0	27	0	2
March	10.0	S.	42	SE.	2	11	2	0	9	25	5	1	9	0	4	12	15	18	16	11	0	0	11	0	26	1	2
April	11.9	NW.	48	SE.	3	9	3	1	7	16	5	1	18	0	5	12	13	16	12	10	0	0	3	0	24	2	1
May	9.0	S.	38	NW.	0	12	4	1	6	24	7	3	5	0	4	14	13	14	9	1	0	0	0	0	3	2	1
June	7.4	S.	31	NW.	0	11	3	2	10	15	6	3	10	0	12	16	2	11	8	0	0	0	0	0	1	5	0
July	6.9	S.	34	SW.	0	4	1	0	7	22	13	2	13	0	5	21	5	12	10	0	0	0	0	3	0	5	0
August	6.8	S.	28	SE.	0	7	2	0	11	18	13	1	10	0	9	13	9	14	10	0	0	1	0	0	0	4	2
September	7.1	S.	30	SE.	0	6	0	1	3	28	10	2	10	0	5	9	16	4	2	0	0	9	0	0	5	0	3
October	7.1	S.	31	NW.	0	6	3	3	9	19	13	1	7	1	12	7	12	9	5	2	0	4	0	0	16	1	3
November	8.6	S.	36	NW.	0	1	3	1	4	20	11	2	17	1	4	4	22	17	10	12	0	0	3	0	23	0	0
December	8.0	N.	34	SW.	0	16	4	1	5	12	10	3	10	1	3	11	17	18	10	17	0	0	19	0	31	0	0
Year	8.4	S.	48	SE.	8	111	27	10	76	249	102	20	133	4	73	142	151	163	113	79	0	14	78	3	187	20	14

a By eye observations when there is no self-register station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

NORTH HEAD, WASH.

[ϕ=46° 16′ N.; λ=124° 4′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.789	30.315	29.206	43.9	45.9	48.9	40.8	44.8	54	26	41	42	91	86	0.262	0.266	6.06	1.23	4.7	8.1	8.2
February	29.807	30.178	29.170	41.8	44.2	47.0	38.8	42.9	60	28	39	41	91	88	.243	.257	5.11	1.00	7.0	7.1	7.7
March	29.900	30.318	29.285	42.6	46.0	48.4	40.1	44.2	58	36	40	41	92	84	.253	.261	6.23	1.66	7.6	6.4	7.3
April	29.904	30.283	29.406	45.3	48.5	51.3	43.1	47.2	72	38	42	43	89	81	.267	.275	3.34	1.08	7.6	7.2	6.2
May	29.845	30.147	29.251	47.1	50.4	52.1	45.2	48.6	59	41	43	43	86	77	.279	.280	3.63	1.09	9.5	8.2	8.2
June	29.855	30.154	29.509	51.2	54.3	55.7	49.7	52.7	67	44	48	48	88	81	.332	.339	1.89	.61	8.9	7.1	7.7
July	29.887	30.112	29.657	54.4	58.0	59.3	53.2	56.2	65	49	52	52	91	82	.384	.396	.82	.31	6.3	5.5	5.2
August	29.859	30.054	29.640	53.2	55.7	57.5	51.7	54.6	78	48	51	51	93	85	.373	.373	2.02	.80	8.3	5.6	6.9
September	29.896	30.195	29.615	52.3	55.8	57.1	51.2	54.2	65	44	50	50	91	82	.356	.368	.53	.40	4.9	5.0	5.2
October	29.819	30.131	29.242	50.5	52.9	55.9	47.7	51.8	79	42	46	47	87	84	.312	.324	3.45	.78	5.0	5.9	6.2
November	29.788	30.134	29.245	49.8	51.5	54.0	47.2	50.6	61	37	47	48	90	89	.324	.340	5.39	1.36	6.0	7.6	7.1
December	29.839	30.272	29.463	43.0	44.4	47.0	39.9	43.4	53	33	40	41	91	89	.255	.262	6.53	1.14	5.3	6.9	7.4
Year	29.849	30.318	29.170	47.9	50.6	52.8	45.7	49.3	79	26	45	46	90	84	.303	.312	45.02	1.66	6.8	6.7	6.9

NORTH PLATTE, NEBR.

[ϕ=41° 8′ N.; λ=100° 45′ W.]

January	27.116	27.600	26.705	20.6	32.6	46.2	16.4	31.3	62	− 1	16	19	82	55	0.088	0.101	0.16	0.10	3.4	3.5	3.5
February	27.091	27.382	26.697	21.1	33.8	41.8	18.6	30.2	68	− 9	18	23	87	65	.103	.124	.78	.38	5.5	6.3	5.4
March	27.064	27.547	26.471	26.7	47.9	55.2	24.7	40.0	82	11	23	25	83	45	.122	.137	.20	.14	5.2	5.3	4.2
April	27.028	27.464	26.309	37.9	59.0	66.2	35.2	50.7	86	14	32	31	80	40	.195	.184	.64	.43	4.2	4.8	4.0
May	26.930	27.272	26.505	46.5	63.9	68.3	43.0	55.6	91	28	41	40	83	47	.274	.261	3.95	1.44	6.1	5.2	4.7
June	27.008	27.469	26.608	58.6	73.1	78.2	54.2	66.2	97	46	53	53	83	53	.410	.418	5.07	1.87	5.0	5.0	4.1
July	27.165	27.435	26.836	62.3	79.9	84.1	59.7	71.9	95	49	59	62	89	55	.504	.554	3.17	.88	4.4	2.7	2.6
August	27.110	27.382	26.870	59.8	78.1	83.2	57.2	70.2	98	44	55	56	86	49	.446	.469	1.57	.34	5.0	4.7	4.1
September	27.109	27.458	26.762	53.3	75.2	84.5	50.6	67.6	98	27	47	47	80	39	.340	.332	.24	.24	3.3	2.4	2.5
October	27.084	27.450	26.400	37.8	53.1	64.4	33.9	49.2	87	19	32	36	79	56	.190	.212	3.39	3.34	4.6	3.5	4.1
November	27.140	27.714	26.585	28.7	39.8	53.5	24.5	39.0	78	9	25	26	85	61	.136	.144	.59	.36	5.0	3.9	4.4
December	27.125	27.586	26.744	20.0	29.3	41.5	16.7	29.1	55	− 4	17	22	87	72	.093	.116	.20	.10	3.0	4.0	4.0
Year	27.081	27.714	26.309	39.4	55.5	63.9	36.2	50.1	98	− 9	35	37	84	53	.242	.254	19.96	3.34	4.6	4.3	4.0

OKLAHOMA, OKLA.

[ϕ=35° 26′ N.; λ=97° 33′ W.]

January	28.790	29.283	28.382	34.1	43.5	51.7	29.8	40.8	66	17	29	28	82	54	0.161	0.159	1.25	1.23	4.0	2.6	4.1
February	28.761	29.250	28.273	35.9	47.2	54.2	33.7	44.0	79	10	30	34	80	62	.181	.212	3.14	.98	4.4	5.0	5.4
March	28.698	29.293	28.204	45.6	60.7	66.9	43.2	55.0	91	28	40	39	80	50	.259	.257	.82	.28	6.5	5.4	6.2
April	28.663	29.022	28.113	52.6	62.2	68.6	49.6	59.1	84	34	48	50	86	66	.361	.388	6.73	1.95	7.1	5.6	6.3
May	28.542	28.822	28.193	61.6	71.1	75.9	58.1	67.0	89	40	57	59	85	67	.490	.515	9.17	5.48	6.4	4.8	5.4
June	28.650	29.042	28.332	69.4	78.9	82.2	65.2	73.7	89	57	65	69	87	72	.625	.705	12.12	2.82	6.1	4.6	5.6
July	28.763	28.974	28.588	70.2	81.1	85.9	67.2	76.6	93	60	66	67	87	63	.642	.660	1.27	.62	5.8	4.1	5.5
August	28.705	28.864	28.480	70.4	83.1	90.4	67.9	79.2	97	58	66	66	87	57	.643	.633	1.59	.39	3.8	3.2	4.0
September	28.756	28.991	28.520	63.5	74.7	82.8	61.2	72.0	95	40	60	62	90	67	.542	.580	4.37	1.97	4.9	3.3	4.4
October	28.766	29.101	28.402	50.4	60.9	70.4	48.3	59.4	85	33	46	48	85	64	.330	.348	3.41	4.81	4.1	3.2	4.4
November	28.783	29.333	28.190	41.3	51.0	61.3	37.9	49.6	80	19	34	35	76	58	.205	.215	3.13	1.72	4.7	1.9	4.5
December	28.814	29.309	28.360	36.0	45.2	53.5	32.2	42.8	73	20	29	31	75	59	.172	.182	.03	.03	5.4	2.3	4.6
Year	28.724	29.333	28.113	52.6	63.3	70.3	49.5	59.9	97	10	48	49	83	62	.384	.404	52.03	5.48	5.3	3.8	5.0

OMAHA, NEBR.

[ϕ=41° 16′ N.; λ=95° 56′ W.]

January	28.876	29.481	28.395	23.9	33.0	40.3	20.1	30.2	55	1	17	20	73	57	0.094	0.108	0.28	0.22	4.0	3.6	4.6
February	28.883	29.225	28.357	23.1	30.8	34.5	20.2	27.4	49	− 1	18	23	80	71	.107	.128	2.14	.80	6.2	5.6	6.6
March	28.838	29.391	28.191	32.9	45.2	49.7	31.4	40.6	84	12	26	30	74	58	.139	.170	.61	.27	5.8	7.1	6.6
April	28.754	29.216	27.922	44.8	59.3	64.4	42.3	53.4	86	16	36	37	70	47	.230	.253	1.09	.78	5.2	5.4	5.7
May	28.661	28.951	28.277	54.6	65.7	69.8	51.6	60.8	87	33	48	51	80	62	.364	.412	6.65	1.21	6.3	6.3	6.6
June	28.759	29.181	28.376	63.5	74.3	77.0	60.6	68.8	90	50	58	63	82	69	.486	.565	8.72	1.87	6.8	5.8	6.5
July	28.872	29.137	28.567	68.8	79.7	83.0	65.7	74.4	94	52	62	63	79	58	.568	.587	2.47	1.88	5.8	4.1	5.9
August	28.826	29.037	28.563	66.6	78.2	81.9	64.5	73.2	96	54	61	62	81	58	.542	.569	2.20	.71	6.4	4.4	5.4
September	28.855	29.140	28.576	62.3	76.0	82.0	61.1	71.6	93	35	55	57	76	53	.446	.498	.26	.20	3.1	2.3	2.7
October	28.854	29.234	28.315	46.9	55.6	61.6	44.6	53.1	85	32	40	42	79	63	.258	.272	1.92	1.00	4.8	4.7	4.8
November	28.857	29.392	28.190	35.6	44.4	50.6	33.1	41.8	74	12	30	32	79	62	.168	.189	.50	.23	5.4	3.9	6.0
December	28.884	29.474	28.436	26.6	34.2	39.8	23.8	31.8	60	− 3	20	22	74	61	.110	.124	.26	.25	3.8	4.1	4.8
Year	28.827	29.481	27.922	45.7	56.4	61.2	43.3	52.3	96	− 3	39	42	77	60	.293	.325	27.10	1.88	5.3	4.8	5.5

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

NORTH HEAD, WASH.

[H=211 ft.; h_t=11 ft.; h_r=3 ft.; h_a=56 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	19.4	E.	84	SE.	13	3	1	27	10	5	6	6	4	0	3	4	24	23	18	0	1	2	0	0	2	0	0
February	18.4	E.	72	SE.	12	7	2	15	12	10	3	3	6	0	5	5	19	21	19	0	1	4	0	0	2	0	0
March	17.9	NW.	74	SE.	14	2	4	6	12	11	6	5	16	0	3	11	17	24	20	0	4	4	0	0	0	0	0
April	17.0	NW.	85	SE.	10	4	0	6	9	7	4	6	24	0	8	11	11	17	12	0	3	5	0	0	0	0	0
May	17.5	NW.	66	SE.	10	2	0	4	10	11	2	3	30	0	0	12	19	24	16	0	0	0	0	0	0	0	0
June	13.2	NW.	39	NW.	0	1	1	1	3	2	12	9	31	0	2	11	17	16	12	0	0	3	0	0	0	0	0
July	15.7	NW.	44	SE.	1	6	0	1	2	6	3	5	38	1	11	11	9	7	5	0	0	8	0	0	0	0	0
August	13.4	NW.	48	SE.	2	3	1	2	8	7	4	6	30	1	7	6	18	6	5	0	0	9	0	0	0	0	0
September	11.3	NW.	46	SE.	3	12	1	4	10	3	1	3	26	0	10	13	7	8	3	0	0	5	0	0	0	0	1
October	14.8	SE.	56	SE.	9	6	0	11	20	3	4	2	16	0	9	8	14	15	12	0	0	6	0	0	0	0	0
November	20.3	SE.	85	SE.	10	5	5	15	23	8	1	1	2	0	6	8	16	16	11	0	0	3	0	0	0	1	•0
December	18.2	E.	74	S.	11	1	6	26	10	6	4	3	6	0	7	3	21	17	17	0	1	0	0	0	0	0	0
Year	16.4	NW.	85	SE.	95	52	21	118	129	79	50	52	229	2	71	103	192	194	150	0	10	49	0	0	4	1	1

NORTH PLATTE, NEBR.

[H=2,821 ft.; h_t=11 ft.; h_r=3 ft.; h_a=51 ft.]

January	8.4	NW.	46	NE.	2	8	2	1	4	9	4	16	17	1	18	7	6	3	2	3	0	0	3	0	31	0	0
February	8.3	N.	38	N.	0	12	2	5	11	5	3	7	12	1	13	4	12	5	3	4	0	0	5	0	28	0	0
March	8.6	W.	38	N.	0	12	7	4	10	4	3	14	8	0	13	11	7	3	3	3	0	0	1	0	25	0	0
April	10.8	N.	47	NW.	2	10	7	4	8	5	9	8	8	1	17	5	8	4	3	0	0	1	0	0	10	3	0
May	9.3	SE.	30	NW.	0	7	7	7	16	4	1	3	16	1	14	8	9	13	9	2	0	1	0	1	3	6	0
June	8.9	SE.	40	NE.	1	5	6	3	19	6	7	7	7	0	16	8	6	14	10	0	1	0	0	2	0	14	0
July	6.7	SE.	37	SW.	0	3	8	10	25	5	4	3	1	3	21	7	3	12	8	0	0	0	0	9	0	10	0
August	7.3	SE.	42	N.	1	10	14	5	16	12	1	1	2	1	15	12	4	13	7	0	0	0	0	7	0	12	0
September	8.1	S.	37	NW.	0	6	1	3	18	16	5	5	5	1	22	7	1	1	1	0	1	0	0	11	1	2	1
October	8.6	SE.	36	S.	0	10	8	3	16	6	4	6	9	0	16	12	3	3	3	0	0	1	0	0	11	1	0
November	6.6	W.	28	SW.	0	11	3	1	2	5	7	22	9	0	12	13	5	4	3	4	0	0	4	0	28	0	0
December	7.1	W.	34	N.	0	5	6	2	3	0	9	28	9	0	15	9	7	5	2	5	0	0	6	0	31	0	0
Year	8.2	SE.	47	NW.	2	99	71	48	148	77	57	120	103	9	192	103	71	80	54	21	2	3	19	30	168	48	1

OKLAHOMA, OKLA.

[H=1,214 ft.; h_t=10 ft.; h_r=3 ft.; h_a=47 ft.]

January	18.2	S.	61	N.	9	15	2	1	1	21	7	2	12	1	10	17	4	3	2	0	0	0	0	0	19	0	0
February	18.5	S.	60	NW.	6	11	1	3	12	13	5	2	11	0	13	4	12	8	7	1	1	3	2	0	11	3	0
March	17.4	S.	58	S.	8	19	7	2	3	19	4	1	7	0	6	12	13	7	5	0	0	3	0	1	2	1	0
April	15.8	S.	59	NW.	6	10	11	6	1	21	6	2	3	0	5	15	10	17	14	0	0	2	0	0	0	9	0
May	18.5	S.	62	SW.	7	4	6	2	7	34	3	0	6	0	10	11	10	12	10	0	2	0	0	0	0	10	0
June	17.9	S.	61	N.	9	2	5	6	13	30	0	2	2	0	6	16	8	16	12	0	0	0	0	0	0	13	0
July	10.9	S.	38	NW.	0	8	9	3	9	25	6	0	2	0	8	17	6	7	6	0	0	0	0	9	0	6	0
August	11.5	S.	42	S.	1	6	6	5	7	34	2	1	1	0	13	15	3	7	7	0	0	0	0	20	0	9	0
September	10.8	S.	56	N.	1	7	4	13	15	18	0	0	2	1	9	14	7	9	6	0	1	3	0	3	0	4	0
October	16.6	S.	54	S.	4	17	2	2	13	20	1	3	4	0	15	8	8	9	8	0	0	1	0	0	0	5	0
November	13.7	N.	48	W.	2	17	5	0	3	17	6	3	9	0	13	10	7	3	3	0	0	1	0	0	6	1	0
December	15.3	S.	48	NW.	5	15	3	2	3	23	4	2	8	2	11	15	5	1	0	0	0	3	0	0	17	0	0
Year	15.4	S.	62	SW.	58	131	61	45	87	275	44	18	67	4	119	154	93	99	80	1	4	16	2	33	55	61	0

OMAHA, NEBR.

[H=1,105 ft.; h_t=115 ft.; h_r=107 ft.; h_a=121 ft.;]

January	11.0	NW.	40	N.	1	13	2	2	3	16	8	1	17	0	13	10	8	2	2	2	0	1	4	0	29	0	0
February	11.3	NW.	44	N.	1	7	2	9	8	4	5	4	19	0	6	8	15	11	7	6	0	0	8	0	24	0	0
March	10.3	N.	40	N.	1	13	7	6	3	10	9	3	11	0	5	11	15	5	3	0	0	1	6	0	14	2	1
April	11.2	NW.	37	N.	0	9	3	4	8	12	6	3	14	1	9	10	11	5	5	0	2	0	0	0	4	4	0
May	9.8	SE.	36	NW.	0	8	6	7	15	7	5	5	9	0	8	6	17	16	15	0	2	1	0	0	0	14	0
June	9.4	SE.	42	NW.	1	5	4	9	12	13	8	5	4	0	6	11	13	19	15	0	0	0	0	0	0	14	0
July	7.0	S.	35	NW.	0	9	7	5	9	17	8	2	5	0	9	9	13	6	4	0	1	0	0	5	0	8	0
August	6.8	S.	38	N.	0	10	5	5	11	16	7	1	7	0	8	13	10	12	10	0	0	0	0	6	0	10	0
September	7.1	S.	27	NW.	0	3	1	3	9	31	3	1	8	1	22	4	4	2	2	0	0	0	0	6	0	3	0
October	10.4	S.	38	NW.	0	7	7	2	9	15	4	2	15	1	14	7	10	6	5	0	0	0	0	0	1	1	0
November	8.4	NW.	38	NW.	0	2	4	2	1	11	9	9	22	0	10	4	16	3	3	2	0	1	3	0	12	1	0
December	9.0	NW.	34	N.	0	5	3	3	1	10	14	8	18	0	13	8	10	3	1	2	0	1	7	0	24	0	0
Year	9.3	S.	44	N.	4	91	51	57	89	162	86	44	149	3	123	101	142	90	72	12	5	5	22	17	108	54	4

• By eye observations when there is no self-register station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

OSWEGO, N. Y.

[ϕ=43° 29′ N.; λ=76° 35′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.576	30.166	28.735	22.7	25.4	32.3	16.9	24.6	46	−12	18	21	83	83	0.104	0.116	2.17	0.55	9.2	6.7	8.1
February	29.666	30.540	28.711	17.0	20.8	26.3	11.2	18.8	52	−18	15	17	89	83	.096	.099	4.70	1.10	7.9	7 3	7.8
March	29.670	30.209	29.146	31.4	33.7	40.5	25.5	33.0	65	5	26	28	82	78	.148	.155	2.55	.64	8.1	6.9	7.8
April	29.542	30.176	29.104	39.2	42.1	50.0	33.4	41.7	74	18	31	33	73	72	.185	.197	3.90	.95	6.5	5.8	6.1
May	29.543	29.893	29.018	55.2	56.2	64.1	48.2	56.2	88	32	49	49	80	79	.369	.376	3.49	.60	6.0	6.3	6.1
June	29.665	29.946	29.371	63.7	66.4	73.7	55.6	64.6	91	44	54	54	73	67	.437	.443	3.64	1.66	4.7	4.1	3.3
July	29.664	29.919	29.175	69.3	72.1	77.8	62.7	70.2	90	54	61	62	76	72	.550	.565	4.77	2.11	4.1	4.3	4.0
August	29.643	29.952	29.377	65.6	69.0	74.8	60.0	67.4	88	51	57	59	75	72	.481	.511	1.62	.58	5.3	4.9	4.1
September	29.714	30.056	29.322	59.6	65.5	73.6	54.8	64.2	86	41	52	54	78	70	.408	.439	1.55	1.16	2.5	2.9	2.9
October	29.779	30.155	29.424	48.4	53.5	61.6	43.9	52.8	79	32	42	42	78	67	.275	.282	1.62	.82	5.4	3.0	4.5
November	29.598	29.984	29.133	38.0	41.3	47.5	34.8	41.2	66	25	33	33	81	73	.191	.194	1.60	.35	8.7	6.9	8.0
December	29.621	30.112	29.081	27.5	28.7	35.1	21.1	28.1	54	7	23	24	83	81	.127	.129	2.32	.47	9.1	8.0	8.8
Year	29.640	30.540	28.711	44.8	47.9	54.8	39.0	46.9	91	−18	38	40	79	75	.281	.292	33.93	2.11	6.5	5.6	6.0

PALESTINE, TEX.

[ϕ=31° 45′ N.; λ=95° 40′ W.]

January	29.562	29.937	29.120	44.1	53.4	58.9	41.2	50.0	74	25	38	40	79	64	0.249	0.268	1.76	1.28	5.5	4.6	5.2
February	29.583	30.100	29.158	45.1	54.5	59.5	42.0	50.8	77	23	38	39	77	60	.252	.271	4.45	1.78	5.5	5.3	5.5
March	29.477	29.917	29.149	59.2	68.1	74.3	57.1	65.7	87	42	56	55	90	64	.473	.455	2.24	1.03	8.1	4.7	6.4
April	29.416	29.723	29.000	61.8	70.4	76.6	59.4	68.0	86	42	59	60	90	71	.515	.542	5.17	2.26	7.1	6.3	6.5
May	29.344	29.554	29.061	66.6	76.6	81.3	64.5	72.9	89	45	63	65	90	68	.608	.635	7.86	5.30	7.5	5.1	6.5
June	29.414	29.651	29.211	73.7	83.0	87.9	71.8	79.8	94	63	71	71	90	68	.749	.757	2.22	1.25	8.0	3.7	6.2
July	29.481	29.644	29.304	73.4	82.8	89.8	71.1	80.4	94	66	70	70	90	68	.738	.741	1.17	.49	5.8	6.5	6.9
August	29.440	29.604	29.303	73.2	83.6	89.7	71.7	80.7	95	68	70	70	90	64	.737	.723	2.69	1.60	4.5	3.8	5.6
September	29.459	29.735	29.258	67.7	77.8	84.6	66.4	75.5	96	43	65	65	91	67	.629	.641	2.32	1.05	4.8	4.1	5.6
October	29.544	29.825	29.282	55.6	67.4	75.4	54.2	64.8	84	38	49	51	80	57	.378	.399	1.15	1.02	3.6	2.7	3.6
November	29.560	29.951	29.122	51.6	63.1	69.7	50.0	59.8	82	27	46	46	82	58	.333	.346	1.07	.41	5.2	4.4	5.6
December	29.597	30.005	29.219	46.3	55.5	61.3	43.9	52.6	80	31	42	44	84	68	.284	.311	1.75	.75	5.6	5.2	6.5
Year	29.490	30.100	29.000	59.9	69.8	75.8	57.8	66.8	96	23	56	56	86	65	.495	.507	33.85	5.30	5.9	4.7	5.8

PARKERSBURG, W. VA.

[ϕ=39° 16′ N.; λ=81° 36′ W.]

January	29.392	29.867	28.530	27.6	33.5	41.0	23.1	32.0	55	9	23	26	82	74	0.124	0.145	1.44	0.37	6.2	4.8	6.5
February	29.435	30.074	28.544	28.7	33.9	40.2	24.2	32.2	63	7	25	26	86	72	.142	.153	3.29	1.32	8.1	7.2	7.1
March	29.432	30.032	28.871	43.1	50.6	57.8	39.7	48.8	80	28	37	37	81	62	.233	.232	6.21	1.29	6.8	6.9	6.2
April	29.331	29.721	28.930	40.1	58.4	65.6	43.8	54.7	86	27	41	43	73	60	.266	.304	4.07	.75	5.1	5.5	4.8
May	29.281	29.597	28.895	60.8	66.4	74.6	56.1	65.4	91	37	55	56	81	72	.452	.481	3.54	1.54	6.1	6.3	5.6
June	29.423	29.600	29.229	65.8	74.2	81.6	60.3	71.0	93	47	59	60	79	64	.509	.541	2.41	.56	4.4	3.9	3.7
July	29.425	29.591	29.187	70.7	77.4	86.8	66.3	76.6	95	53	65	66	82	70	.616	.647	3.32	.85	4.8	5.3	4.3
August	29.384	29.646	29.168	66.2	76.2	84.7	62.2	73.4	98	54	60	61	81	61	.528	.547	1.88	.70	4.4	4.1	4.0
September	29.455	29.729	29.096	57.7	71.8	83.7	54.4	69.0	93	34	52	54	82	54	.401	.424	.86	.59	3.5	2.2	3.8
October	29.495	29.842	29.233	47.0	58.1	68.5	45.0	56.8	85	26	43	45	85	63	.283	.305	1.57	.60	5.0	2.8	5.1
November	29.445	29.843	28.986	38.2	46.6	55.3	34.0	44.6	75	20	32	35	80	67	.194	.221	.95	.44	4.7	3.9	5.8
December	29.445	29.940	28.990	34.3	37.7	44.5	29.1	36.8	66	11	29	30	82	75	.167	.177	2.29	.74	6.9	6.7	7.8
Year	29.412	30.074	28.530	49.1	57.1	65.4	44.8	55.1	98	7	43	45	81	66	.326	.348	31.83	1.54	5.5	5.0	5.4

PENSACOLA, FLA.

[ϕ=30° 25′ N.; λ=87° 13′ W.]

January	30.043	30.384	29.473	47.4	.....	58.9	43.8	51.4	68	28	41	.....	79	.....	0.276	.....	5.86	2.80	6.3	.....	6.1
February	30.119	30.448	29.650	47.0	.....	60.1	44.1	51.6	70	29	37	.....	70	.....	.248	.....	3.96	1.74	5.0	.....	5.4
March	30.060	30.322	29.718	62.8	.....	71.8	60.2	66.0	78	41	60	.....	91	.....	.531	.....	3.85	1.81	4.5	.....	4.7
April	29.948	30.176	29.656	68.7	.....	78.6	65.7	72.2	87	52	63	.....	83	.....	.608	.....	2.32	1.11	5.2	.....	5.6
May	29.937	30.122	29.705	72.3	.....	80.7	67.8	74.2	88	48	66	.....	80	.....	.657	.....	2.42	1.29	4.1	.....	4.1
June	29.964	30.122	29.877	76.9	.....	86.0	72.2	79.1	89	66	70	.....	79	.....	.731	.....	4.38	1.98	3.9	.....	4.6
July	29.986	30.137	29.877	78.5	.....	86.9	74.6	80.8	93	71	72	.....	82	.....	.790	.....	6.82	1.86	5.7	.....	6.8
August	29.936	30.084	29.825	77.9	.....	87.3	74.7	81.0	93	69	71	.....	81	.....	.770	.....	3.66	1.81	3.8	.....	4.8
September	29.938	30.100	29.767	73.3	.....	82.8	70.9	76.8	92	53	67	.....	82	.....	.684	.....	4.83	1.85	6.1	.....	5.8
October	30.008	30.238	29.815	59.2	.....	74.5	56.6	65.6	83	45	49	.....	70	.....	.358	.....	.93	.47	1.8	.....	2.0
November	30.078	30.310	29.891	56.1	.....	69.5	54.6	62.0	78	35	51	.....	84	.....	.410	.....	.67	.31	4.6	.....	4.2
December	30.072	30.326	29.856	54.6	.....	66.3	50.5	58.4	74	36	49	.....	83	.....	.383	.....	2.31	1.24	5.9	.....	5.6
Year	30.007	30.448	29.473	64.6	.....	75.2	61.3	68.3	93	28	58	.....	80	.....	.537	.....	42.01	2.80	4.7	.....	5.0

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

OSWEGO, N. Y.

[H=335 ft.; h_t=76 ft.; h_r=68 ft.; h_a=91 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	13.9	S.	39	NW.	0	7	7	0	4	23	5	4	12	0	0	12	19	15	10	12	0	0	11	0	30	0	0
February	14.0	S.	44	W.	2	5	3	1	12	15	5	5	12	0	4	3	22	20	16	18	0	1	22	0	27	0	0
March	12.4	S.	37	SE.	0	3	5	3	6	17	6	7	15	0	4	4	23	15	10	8	1	0	7	0	25	3	1
April	13.5	S.	40	S.	1	5	9	0	4	15	6	9	12	0	5	11	14	18	15	3	0	2	2	0	13	1	0
May	10.5	S.	37	W.	0	6	2	4	12	16	4	15	3	0	9	8	14	19	16	1	1	1	0	0	0	6	1
June	7.7	S.	31	SW.	0	8	4	1	5	18	7	14	3	0	20	7	3	9	8	0	0	1	0	1	0	6	0
July	7.2	S.	28	W.	0	4	3	4	0	19	14	7	9	2	15	10	6	10	7	0	0	1	0	0	0	5	1
August	8.0	S.	32	NE.	0	4	5	1	5	20	10	8	9	0	14	12	5	7	5	0	0	0	0	0	0	6	0
September	8.6	S.	29	SE.	0	4	7	0	8	23	11	4	3	0	18	10	2	3	3	0	0	3	0	0	0	3	2
October	9.8	S.	28	N.	0	5	6	3	10	25	6	1	6	0	14	7	10	7	7	0	0	2	0	0	1	1	1
November	14.1	S.	33	W.	0	2	0	1	4	21	10	9	13	0	2	8	20	15	11	8	0	0	0	0	13	0	0
December	14.1	S.	38	NW.	0	2	1	2	10	16	10	6	15	0	1	3	27	19	15	16	0	0	8	0	29	0	0
Year	11.2	S.	44	W.	3	55	52	20	80	228	94	89	112	2	106	95	165	157	123	66	2	11	50	1	138	31	6

PALESTINE, TEX.

[H=510 ft.; h_t=73 ft.; h_r=68 ft.; h_a=79 ft.]

January	9.8	N.	36	N.	0	17	7	7	3	17	5	5	1	0	13	4	14	8	4	0	0	1	0	0	6	1	0
February	10.1	S.	42	W.	1	11	5	5	6	14	4	5	8	0	11	5	13	10	7	0	0	0	0	0	4	3	0
March	10.7	S.	30	S.	0	4	5	4	3	32	9	2	3	0	5	14	12	6	6	0	0	1	0	0	0	1	0
April	4.6	S.	20	SW.	0	5	7	1	8	25	6	4	3	1	5	12	13	14	12	0	0	2	0	0	0	11	0
May	3.6	S.	9	S.	0	4	0	3	12	28	9	0	6	0	4	19	8	8	6	0	1	2	0	0	0	8	0
June	4.3	SE.	12	SE.	0	1	7	2	24	21	3	1	1	0	3	19	8	8	7	0	0	0	0	5	0	6	0
July	3.3	NE.	9	NW.	0	9	20	1	5	16	10	1	0	0	4	6	21	9	6	0	0	0	0	17	0	15	0
August	3.3	S.	10	SW.	0	1	11	12	11	15	9	0	3	0	8	13	10	7	5	0	0	0	0	17	0	8	0
September	3.4	NE.	9	N.	0	6	24	6	14	1	5	0	3	1	9	10	11	7	6	0	0	3	0	7	0	6	0
October	4.5	NE.	10	N.	0	11	13	5	13	10	2	3	4	1	18	4	9	6	3	0	0	1	0	0	0	1	0
November	7.8	S.	26	SW.	0	3	10	2	2	15	14	5	8	1	9	8	13	9	7	0	1	3	0	0	1	4	0
December	8.0	NE.	26	N.	0	13	14	5	5	12	7	2	4	0	5	15	11	8	7	0	0	4	0	0	2	2	0
Year	6.1	S.	42	W.	1	85	123	53	106	206	83	28	44	4	94	129	143	100	76	0	2	17	0	46	13	66	0

PARKERSBURG, W. VA.

[H=638 ft.; h_t=77 ft.; h_r=70 ft.; h_a=84 ft.]

January	7.1	S.	38	NW.	0	9	2	3	3	13	12	9	11	0	9	7	15	11	8	5	1	0	3	0	29	1	0
February	8.7	NW.	42	NW.	1	3	4	5	6	11	5	9	15	0	5	9	15	11	9	8	0	0	10	0	25	0	0
March	6.8	S.	48	NW.	1	12	5	2	6	20	4	3	10	0	8	9	14	18	15	1	0	0	0	0	7	9	0
April	7.5	NW.	36	NW.	0	8	6	3	6	8	11	7	11	0	15	7	8	12	11	1	1	0	0	0	2	3	0
May	5.8	S.	31	NW.	0	4	5	2	12	17	13	6	3	0	10	9	12	17	15	0	0	0	0	2	0	10	0
June	4.9	S.	30	N.	0	5	4	8	8	12	11	7	5	0	17	8	5	11	8	0	0	0	0	2	0	7	0
July	4.5	S.	33	NW.	0	6	5	4	11	18	10	5	3	0	16	11	4	13	12	0	0	0	0	7	0	11	0
August	4.4	SW.	22	N.	0	7	11	7	7	10	11	3	5	1	16	12	3	8	6	0	0	0	0	6	0	6	0
September	3.5	S.	33	NW.	0	8	6	8	12	15	4	3	4	0	17	11	2	3	3	0	0	0	0	8	0	1	1
October	3.9	NE.	19	NW.	0	11	12	5	5	10	6	5	7	1	13	11	7	6	6	0	0	0	0	0	1	2	0
November	5.4	W.	28	SW.	0	2	6	5	7	10	8	15	7	0	10	9	11	8	6	1	0	0	0	0	14	0	0
December	6.5	S.	28	NW.	0	1	3	3	5	20	7	9	14	0	6	5	20	11	6	2	0	0	1	0	23	0	0
Year	5.8	S.	48	NW.	2	76	69	55	88	164	102	81	95	2	142	108	116	129	105	18	2	0	14	25	101	50	1

PENSACOLA, FLA.

[H=56 ft.; h_t=79 ft.; h_r=74 ft.; h_a=96 ft.]

January	11.0	N.	41	NW.	1	4	9	4	2	2	1	3	6	0	8	7	16	9	8	0	0	3	0	0	2	2	0
February	12.0	NW.	44	SE.	2	6	5	5	4	1	0	3	5	0	11	4	14	9	7	0	0	2	0	0	3	2	0
March	10.3	SE.	30	S.	0	3	4	3	7	1	7	3	3	0	11	14	6	4	3	0	0	3	0	0	0	3	0
April	10.7	S.	42	NW.	1	2	8	4	2	4	3	4	3	0	8	12	10	10	9	0	0	2	0	0	0	8	0
May	10.0	SW.	38	SE.	0	1	1	3	6	5	3	8	4	0	13	15	3	6	6	0	1	0	0	0	0	7	0
June	8.4	S.	40	NW.	1	8	8	3	4	2	0	2	3	0	11	13	6	10	10	0	0	0	0	0	0	16	0
July	8.1	S.	30	SW.	0	3	5	5	2	3	0	4	9	0	3	14	14	21	17	0	0	0	0	5	0	23	0
August	8.4	SW.	36	W.	0	7	8	0	1	2	0	5	8	0	13	9	9	6	6	0	0	0	0	5	0	11	0
September	9.6	NE.	28	NE.	0	7	16	3	0	0	0	1	3	0	8	10	12	10	9	0	0	0	0	2	0	9	0
October	9.1	NE.	26	NW.	0	10	15	1	1	0	0	0	4	0	24	2	5	3	3	0	0	0	0	0	0	1	0
November	9.0	SE.	37	SW.	0	7	4	6	2	1	0	4	5	1	15	7	8	7	4	0	0	7	0	0	0	2	0
December	9.2	N.	29	SW.	0	9	5	5	4	2	2	1	3	0	10	10	11	7	6	0	0	3	0	0	0	0	0
Year	9.6	NE.	44	SE.	5	67	88	42	35	23	16	38	56	1	135	117	114	102	88	0	1	20	0	12	5	84	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

PEORIA, ILL.

[$\phi = 40° 43'$ N.; $\lambda = 89° 36'$ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.380	29.955	28.719	22.4	29.4	35.8	17.9	26.8	53	1	18	22	81	73	0.101	0.122	0.59	0.24	4.0	3.4	4.5
February	29.407	29.922	28.802	23.0	28.7	34.1	20.0	27.0	55	− 3	18	22	80	75	.108	.126	3.98	1.21	5.2	4.2	4.7
March	29.382	29.980	28.773	36.4	44.3	52.1	32.5	42.3	76	20	31	34	81	68	.175	.200	2.50	1.43	6.5	5.5	5.0
April	29.289	29.805	28.517	45.3	55.0	62.0	40.0	51.0	79	22	38	40	77	60	.250	.268	4.08	1.56	5.5	5.3	4.2
May	29.220	29.595	28.880	57.9	64.5	71.1	52.9	62.0	87	31	52	55	82	73	.419	.456	7.76	1.61	6.1	6.2	4.6
June	29.360	29.638	29.099	65.3	74.2	79.7	59.2	69.4	92	45	57	60	75	63	.485	.534	4.09	2.63	4.3	3.4	3.0
July	29.399	29.625	29.014	68.7	78.2	85.3	63.0	74.2	94	49	63	64	84	64	.589	.613	3.94	.88	3.9	4.1	4.0
August	29.368	29.557	29.111	65.6	76.1	84.5	60.7	72.6	95	46	60	62	81	62	.525	.564	2.78	1.41	2.8	4.1	3.3
September	29.420	29.612	29.146	59.5	70.2	83.1	55.0	69.0	93	32	54	56	81	61	.430	.461	.82	.80	2.8	2.1	2.5
October	29.448	29.883	28.995	44.6	56.1	66.5	41.7	54.1	85	24	38	40	79	58	.236	.261	.71	.33	3.9	2.8	4.3
November	29.380	29.852	28.827	34.9	44.8	52.2	31.5	41.8	70	15	29	33	80	63	.175	.199	1.89	1.22	4.2	3.8	4.9
December	29.419	30.013	28.949	25.8	31.7	37.9	20.9	29.4	53	6	21	24	81	72	.118	.134	.82	.38	4.3	4.5	5.3
Year	29.373	30.013	28.517	45.8	54.4	62.0	41.3	51.6	95	− 3	40	43	80	66	.301	.328	33.96	2.63	4.5	4.1	4.2

PHILADELPHIA, PA.

[$\phi = 39° 57'$ N.; $\lambda = 75° 9'$ W.]

January	29.892	30.467	28.695	31.9	35.3	41.2	28.4	34.8	57	9	25	27	75	72	0.139	0.155	3.14	1.06	5.1	4.0	4.8
February	29.986	30.703	29.116	27.9	32.4	38.3	24.2	31.2	63	5	22	24	76	71	.127	.134	3.21	.98	4.5	3.4	5.1
March	29.997	30.501	29.462	40.3	47.0	52.7	37.4	45.0	78	24	35	36	80	67	.213	.228	2.83	.94	5.6	5.4	5.8
April	29.840	30.422	29.132	49.1	55.8	64.6	44.6	54.6	83	30	42	43	78	64	.287	.303	2.35	.90	4.2	3.9	4.3
May	29.830	30.130	29.370	59.8	65.5	72.1	55.1	63.6	89	42	52	54	79	69	.418	.445	6.85	2.70	6.5	5.8	6.1
June	29.942	30.247	29.716	70.1	74.5	81.9	64.3	73.1	95	57	57	58	65	57	.484	.487	2.41	2.35	3.6	3.5	4.2
July	29.948	30.150	29.596	74.1	79.0	86.3	70.6	78.4	97	65	65	65	74	65	.628	.636	4.54	1.60	6.2	5.5	5.8
August	29.910	30.189	29.616	69.8	74.1	80.5	66.3	73.4	94	56	60	63	73	69	.542	.581	5.41	2.98	5.4	4.7	5.3
September	29.995	30.279	29.675	63.6	69.6	76.0	60.2	68.1	85	50	54	58	74	67	.440	.490	1.79	1.12	3.1	3.4	4.9
October	30.026	30.472	29.446	56.3	61.1	68.2	53.1	60.6	85	40	48	50	74	69	.348	.376	1.81	1.08	4.5	4.1	4.7
November	29.951	30.338	29.442	42.9	48.1	53.7	38.9	46.3	66	28	36	40	76	75	.220	.266	.67	.54	3.3	3.1	4.6
December	29.968	30.404	29.330	34.8	37.8	43.3	30.9	37.1	68	23	29	31	79	75	.167	.173	3.12	1.53	5.9	4.3	5.8
Year	29.940	30.703	28.695	51.7	56.7	63.2	47.8	55.5	97	5	44	46	75	68	.334	.356	38.13	2.98	4.8	4.3	5.1

PHOENIX, ARIZ.

[$\phi = 33° 28'$ N.; $\lambda = 112° 00'$ W.]

January	28.906	29.162	28.690	44.0	62.4	66.9	39.9	53.4	72	32	33	26	66	27	0.191	0.150	0.35	0.14	3.1	3.7	3.8
February	28.853	29.141	28.491	45.3	62.8	66.1	42.3	54.2	83	30	34	34	66	37	.198	.203	1.87	1.15	2.9	4.9	4.0
March	28.827	29.213	28.551	49.6	72.7	75.2	46.9	61.0	89	37	35	27	58	22	.207	.158	.41	.38	2.8	4.4	3.6
April	28.722	28.856	28.460	54.8	80.3	82.6	52.5	67.6	92	44	32	29	44	17	.182	.168	.90	.90	1.8	1.9	1.8
May	28.636	28.881	28.401	58.0	84.1	86.6	56.4	71.5	97	48	30	22	36	11	.170	.121	.03	.02	.9	2.3	1.7
June	28.631	28.771	28.422	66.9	96.6	98.5	65.0	81.8	111	49	30	28	26	9	.169	.162	.00	.00	.7	.6	.6
July	28.698	28.853	28.521	77.6	98.3	101.3	75.9	88.6	107	65	61	54	60	25	.566	.435	2.98	1.41	5.0	5.1	4.3
August	28.686	28.826	28.505	78.1	96.2	99.6	76.2	87.9	106	70	62	58	60	30	.574	.485	.81	.37	4.6	4.9	4.0
September	28.710	28.853	28.479	68.5	92.6	96.6	66.8	81.7	108	51	44	44	42	22	.311	.311	.51	.45	2.3	2.7	2.2
October	28.767	28.937	28.281	55.1	77.2	82.0	51.5	66.8	98	41	33	27	46	18	.193	.156	.52	.52	.8	1.5	1.3
November	28.826	29.016	28.536	51.4	68.7	74.7	48.0	61.4	88	34	34	28	54	25	.201	.161	.36	.21	2.1	4.3	3.6
December	28.884	29.050	28.648	45.6	59.5	64.4	41.9	53.2	75	31	38	34	76	42	.232	.208	1.94	.72	4.2	4.6	4.2
Year	28.762	29.213	28.281	57.9	79.3	82.9	55.3	69.1	111	30	39	34	53	24	.266	.226	10.68	1.41	2.6	3.4	2.9

PIERRE, S. DAK.

[$\phi = 44° 22'$ N.; $\lambda = 100° 21'$ W.]

January	28.363	28.923	27.938	20.5	30.3	38.3	15.0	26.6	60	− 4	13	18	70	59	0.078	0.101	0.22	0.14	3.1	3.6	4.5
February	28.389	28.727	27.898	18.1	28.8	33.4	14.9	24.2	60	−13	12	19	74	65	.079	.106	.46	.30	4.1	5.1	5.7
March	28.347	28.895	27.701	25.4	38.0	44.2	22.1	33.2	67	− 9	18	24	72	59	.102	.128	1.23	.80	5.5	6.3	5.7
April	28.258	28.788	27.490	40.0	59.4	63.8	37.7	50.8	90	12	29	28	65	37	.172	.166	1.41	.63	4.2	4.1	4.4
May	28.201	28.570	27.582	47.6	63.9	67.2	45.4	56.3	90	29	40	39	75	44	.262	.256	3.98	1.67	4.6	5.0	5.6
June	28.229	28.693	27.805	58.7	72.4	76.1	56.0	66.0	88	46	51	51	77	52	.386	.396	1.88	.64	4.1	4.4	5.5
July	28.373	28.737	27.996	65.7	81.7	87.5	62.8	75.2	101	49	57	57	75	45	.477	.475	3.04	1.54	3.5	3.7	4.3
August	28.332	28.660	28.012	60.6	78.5	83.2	58.9	71.0	102	48	51	52	72	42	.385	.392	2.32	1.81	3.2	4.6	4.3
September	28.308	28.681	27.930	56.7	77.5	83.7	55.1	69.4	101	30	45	44	68	33	.320	.306	.26	.18	2.9	3.4	3.1
October	28.344	28.768	27.710	41.1	54.1	61.2	38.3	49.8	90	24	32	32	70	48	.186	.189	3.21	2.65	5.1	4.8	5.2
November	28.383	29.065	27.944	30.1	40.2	48.1	27.1	37.6	71	4	21	24	69	35	.114	.133	.49	.21	2.7	3.9	4.8
December	28.368	28.894	27.966	20.1	25.8	31.8	15.3	23.6	53	−11	13	16	73	66	.085	.095	.60	.41	3.9	4.4	4.6
Year	28.326	29.065	27.490	40.4	54.2	59.9	37.4	48.6	102	−13	32	34	72	50	.220	.229	19.10	2.65	3.9	4.4	4.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

PEORIA, ILL.

[H=609 ft.; h_t=11 ft.; h_r=4 ft.; h_a=45 ft.]

Month.	Wind.														Number of days.											
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	10.3	S.	36	NW.	0	6	5	2	4	15	10	6	13	1	14	7	10	5	3	3	0	0	9	0	30	0	0
February	12.9	NW.	42	W.	1	1	4	12	7	6	2	10	16	0	13	6	10	9	9	4	1	1	15	0	25	1	0
March	10.4	S.	49	SW.	2	11	7	5	2	14	7	8	8	0	12	8	11	9	9	1	1	0	0	0	15	5	0
April	11.0	NW.	44	S.	2	2	3	3	11	8	8	7	16	2	12	10	8	14	9	0	0	2	0	0	8	4	0
May	9.9	SE.	42	W.	2	6	5	8	7	8	6	11	9	2	13	10	8	19	18	0	1	0	0	0	1	13	0
June	8.3	S.	38	SW.	0	6	3	11	7	16	6	5	6	0	18	11	1	11	10	0	0	0	0	4	0	10	0
July	5.7	SW.	40	SW.	1	4	8	6	7	7	10	4	10	6	14	14	3	13	11	0	0	0	0	8	0	12	0
August	5.3	NE.	24	SW.	0	8	12	3	3	13	8	4	5	6	21	7	3	8	8	0	0	0	0	8	0	6	0
September	5.5	S.	22	W.	0	2	9	1	14	10	7	7	7	3	23	5	2	3	1	0	0	0	0	10	1	1	2
October	7.6	S.	27	SW.	0	9	6	2	11	19	4	2	9	0	16	9	6	4	4	0	0	2	0	0	7	0	0
November	9.0	SW.	40	SW.	1	5	4	4	6	15	10	9	5	2	13	10	7	6	3	2	0	0	1	0	16	2	0
December	8.6	NW.	31	W.	0	3	5	4	3	16	8	10	13	0	13	6	12	6	4	3	0	1	5	0	28	0	0
Year	8.7	S.	49	SW.	9	63	71	61	82	147	86	83	117	22	182	103	81	107	89	13	3	6	30	30	131	54	2

PHILADELPHIA, PA.

[H=117 ft.; h_t=116 ft.; h_r=114 ft.; h_a=184 ft.]

January	11.8	NW.	38	S.	0	5	5	1	5	10	12	8	16	0	14	8	9	9	7	4	0	0	3	0	22	1	0
February	12.2	NW.	42	SE.	1	5	3	6	4	2	9	10	19	0	9	13	7	10	9	6	0	3	8	0	24	0	0
March	10.5	S.	36	SW.	0	11	3	8	5	11	4	4	16	0	9	10	12	11	11	1	1	4	0	0	8	2	0
April	12.3	NW.	38	NW.	0	6	3	2	10	14	7	8	10	0	14	10	6	12	9	0	0	0	0	0	2	2	0
May	10.5	NE.	31	NW.	0	5	13	9	6	7	10	7	5	0	7	11	13	14	13	0	0	0	0	0	0	3	0
June	9.1	S.	26	N.	0	6	8	1	6	16	8	4	11	0	13	14	3	5	2	0	0	0	0	5	0	2	0
July	8.2	S.	36	NW.	0	3	7	7	13	9	8	4	11	0	6	15	10	11	9	0	0	0	0	7	0	10	0
August	8.7	S.	31	N.	0	10	10	4	9	14	6	3	6	0	10	10	11	11	9	0	1	1	0	3	0	4	0
September	8.1	NW.	30	SE.	0	6	9	3	11	8	9	5	9	0	12	10	8	3	3	0	0	2	0	0	0	1	0
October	9.5	NW.	37	N.	0	10	11	8	10	1	5	2	15	0	14	5	12	10	7	0	0	0	0	0	0	0	0
November	9.2	NW.	35	NW.	0	1	5	5	4	9	9	9	18	0	13	9	8	3	3	1	0	6	0	0	5	0	0
December	10.3	NW.	35	NW.	0	7	7	0	3	12	10	11	12	0	10	9	12	10	9	3	0	2	1	0	21	0	0
Year	10.0	NW.	42	SE.	1	75	84	54	86	113	97	75	148	0	131	124	111	109	91	15	2	18	12	15	82	25	0

PHOENIX, ARIZ.

[H=1,108 ft.; h_t=50 ft.; h_r=41 ft.; h_a=56 ft.]

January	3.9	E.	22	W.	0	4	9	19	9	3	5	9	4	0	13	16	2	6	3	0	0	0	0	0	0	0	0
February	4.4	E.	23	W.	0	3	8	17	5	2	7	10	6	0	15	11	3	6	5	0	1	0	0	0	2	0	0
March	4.4	E.	26	NW.	0	4	6	16	8	4	3	10	11	0	14	12	5	2	1	0	0	0	0	0	0	0	0
April	4.7	E.	21	W.	0	4	4	18	7	5	8	6	8	0	23	6	1	1	1	0	1	0	0	0	2	0	1
May	5.8	E.	30	SW.	0	3	3	22	1	1	13	13	6	0	24	7	0	2	0	0	0	0	0	0	10	0	1
June	4.8	E.	22	W.	0	2	2	21	4	0	6	19	6	0	28	2	0	0	0	0	0	0	0	0	24	0	1
July	4.7	E.	34	S.	0	0	4	22	3	3	10	14	6	0	9	22	0	9	6	0	0	0	0	0	30	0	16
August	4.2	E.	36	NW.	0	1	6	17	5	1	11	8	13	0	11	19	1	5	3	0	0	0	0	0	31	0	12
September	4.1	E.	25	SW.	0	1	7	24	3	4	8	6	7	0	22	7	1	3	3	0	0	0	0	0	25	0	4
October	4.1	E.	26	SW.	0	1	6	16	10	2	9	11	7	0	27	3	1	2	2	0	0	0	0	0	9	0	0
November	3.7	E.	23	W.	0	1	9	22	2	4	9	9	4	0	13	14	3	2	2	0	0	1	0	0	0	1	0
December	3.0	E.	20	SW.	0	1	3	20	9	4	9	6	9	1	12	15	4	4	4	0	0	0	0	0	3	3	0
Year	4.3	E.	36	NW.	0	25	67	234	66	33	98	121	87	1	211	134	21	42	30	0	2	1	0	131	5	39	0

PIERRE, S. DAK.

[H=1,572 ft.; h_t=70 ft.; h_r=63 ft.; h_a=75 ft.]

January	9.9	NW.	46	NW.	3	6	2	7	9	1	2	12	22	1	11	13	7	5	1	4	0	0	7	0	30	0	0
February	11.4	NW.	40	NW.	1	4	4	9	12	2	3	6	18	0	8	12	9	7	4	5	0	0	15	0	27	0	0
March	10.6	NW.	45	NW.	2	6	10	7	9	1	6	7	16	0	9	11	11	7	5	6	0	0	7	0	27	1	0
April	13.8	NW.	51	NW.	6	3	6	3	11	1	7	5	23	1	16	5	9	5	4	3	1	0	1	0	12	2	0
May	11.8	SE.	40	NE.	1	7	9	12	15	0	4	5	10	0	9	12	10	9	7	0	1	1	0	0	1	4	0
June	11.7	SE.	39	NW.	0	8	4	11	18	2	5	3	9	0	8	11	11	8	5	0	1	2	0	0	0	9	0
July	8.9	SE.	55	NW.	4	7	3	13	25	3	2	3	6	0	10	17	4	8	8	0	2	0	0	11	0	11	0
August	9.6	SE.	37	NW.	0	10	9	13	12	6	3	0	9	0	14	11	6	4	4	0	0	1	0	7	0	9	1
September	9.9	SE.	40	NW.	1	14	6	9	15	1	2	1	11	1	17	10	3	4	2	0	0	0	0	15	1	0	2
October	10.8	NW.	48	SE.	2	9	3	12	11	3	2	5	17	0	10	11	10	4	3	0	0	0	1	8	1	0	0
November	9.1	NW.	51	NW.	2	2	3	8	8	2	3	6	28	0	11	13	6	6	5	5	0	0	5	0	20	0	0
December	8.4	W.	49	NW.	2	6	5	9	4	4	5	15	14	0	12	15	4	5	4	5	0	0	16	0	29	0	0
Year	10.5	NW.	55	NW.	24	82	64	113	149	26	44	68	183	3	135	141	90	72	52	28	4	4	51	34	155	37	3

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

PITTSBURG, PA.

[ϕ=40° 32′ N.; λ=80° 2′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.103	29.586	28.160	26.7	31.5	38.2	22.7	30.4	54	8	20	22	76	68	0.111	0.123	1.65	0.46	6.5	5.8	6.2
February	29.150	29.904	28.196	24.7	28.5	36.1	19.9	28.0	60	−1	19	21	79	73	.116	.124	2.89	.80	7.3	7.1	6.9
March	29.158	29.718	28.649	39.0	47.1	54.1	35.1	44.6	77	21	32	33	77	60	.191	.203	5.22	1.49	6.9	5.6	6.6
April	29.052	29.506	28.661	47.2	54.4	61.7	41.1	51.4	85	23	37	38	67	59	.235	.250	3.59	1.05	5.7	5.6	5.8
May	29.026	29.363	28.664	59.2	64.7	71.7	55.1	63.4	89	33	52	54	78	68	.416	.437	3.84	.96	6.3	6.0	6.2
June	29.167	29.371	28.926	66.1	74.6	80.5	60.4	70.4	91	45	57	57	72	56	.471	.476	1.14	.50	3.6	3.9	4.1
July	29.171	29.338	28.881	70.2	77.0	84.8	65.0	74.9	92	54	62	61	75	61	.560	.555	5.07	1.69	4.7	5.2	5.3
August	29.140	29.411	28.953	66.0	74.9	81.3	61.8	71.6	94	53	56	58	72	57	.468	.495	2.48	.71	3.6	3.7	4.6
September	29.209	29.475	28.831	60.2	73.4	81.0	56.1	68.6	91	40	52	52	76	48	.402	.401	.71	.55	1.3	1.6	2.4
October	29.254	29.595	28.998	49.2	59.7	67.0	46.3	56.6	80	34	42	43	76	56	.274	.291	.95	.39	3.2	3.5	4.3
November	29.159	29.574	28.664	39.3	46.3	52.4	35.1	43.8	71	19	30	33	70	61	.175	.196	.69	.32	3.9	3.3	5.0
December	29.150	29.637	28.655	32.9	35.3	41.4	28.3	34.8	60	14	25	26	72	67	.139	.142	1.94	.61	6.9	5.7	7.2
Year	29.145	29.904	28.160	48.4	55.6	62.5	43.9	53.2	94	−1	40	42	74	61	.296	.308	30.17	1.69	5.0	4.8	5.4

POCATELLO, IDAHO.

[ϕ=42° 52′ N.; λ=112° 29′ W.]

January	25.579	26.026	25.242	22.4	30.3	35.8	18.1	27.0	45	−9	18	24	80	76	0.099	0.129	0.68	0.30	4.6	4.5	4.5
February	25.497	25.834	24.976	25.2	37.8	38.7	21.2	30.0	55	−18	17	24	73	63	.101	.128	1.34	.62	4.2	5.6	4.2
March	25.494	25.980	25.010	33.4	41.9	45.9	30.8	38.4	60	20	23	24	65	53	.121	.133	.51	.26	3.9	5.6	5.4
April	25.462	25.714	25.064	38.8	59.4	62.7	37.2	50.0	78	23	26	23	59	27	.140	.129	.53	.34	3.1	2.6	2.5
May	25.343	25.593	24.957	41.8	54.4	58.9	38.9	48.9	78	32	32	32	71	48	.181	.182	3.96	.91	6.7	6.9	6.0
June	25.437	25.759	25.065	49.0	64.6	68.4	46.4	57.4	87	36	39	38	70	43	.241	.237	2.80	.52	5.1	5.3	4.3
July	25.551	25.713	25.389	59.1	83.9	86.7	57.7	72.2	95	47	44	42	57	25	.289	.286	.29	.23	2.0	2.6	2.5
August	25.515	25.822	25.303	55.1	77.8	81.4	53.3	67.4	96	36	41	38	62	27	.273	.244	1.08	.32	2.9	3.4	3.0
September	25.555	25.814	25.211	49.3	69.7	74.3	47.2	60.8	91	28	36	35	60	31	.215	.209	.94	.88	3.1	3.1	3.0
October	25.505	25.832	25.092	39.0	50.0	55.9	36.0	46.0	76	22	30	32	71	53	.165	.180	2.03	.76	4.2	5.0	4.6
November	25.585	25.795	25.016	30.4	41.6	48.3	27.5	37.9	66	10	22	25	73	54	.120	.131	.53	.39	4.0	5.0	4.5
December	25.557	25.857	25.231	24.3	29.8	34.4	19.4	26.9	47	−10	20	23	81	75	.111	.125	.38	.15	6.5	7.4	7.2
Year	25.507	26.026	24.957	39.0	53.4	57.6	36.1	46.9	96	−18	29	30	68	48	.171	.176	15.07	.91	4.2	4.8	4.3

POINT REYES LIGHT, CAL.

[ϕ=38° 11′ N.; λ=122° 51′ W.]

January	29.516	29.846	29.020	.....	51.6	55.6	47.3	51.4	67	40	....	46	....	81	.....	0.309	4.85	0.99	.....	6.2	6.9
February	29.509	29.763	29.089	.....	50.2	53.3	44.7	49.0	61	39	....	45	....	82	.....	.295	3.38	1.45	.....	6.3	6.5
March	29.578	29.783	29.313	.....	52.2	55.8	45.5	50.6	70	39	....	44	....	75	.....	.293	.36	.17	.....	2.9	3.4
April	29.484	29.701	29.278	.....	52.2	56.1	46.9	51.5	71	43	....	46	....	79	.....	.308	.18	.12	.....	3.3	4.3
May	29.453	29.708	29.204	.....	51.3	52.7	45.6	49.2	58	43	....	45	....	81	.....	.303	.48	.18	.....	2.8	2.3
June	29.431	29.510	29.184	.....	51.7	53.6	46.7	50.2	60	42	....	47	....	85	.....	.324	.02	.02	.....	3.2	4.6
July	29.409	29.481	29.289	.....	55.6	57.9	49.7	53.8	70	46	....	52	....	88	.....	.390	.00	.00	.....	3.7	7.6
August	29.412	29.504	29.261	.....	53.8	56.4	49.5	53.0	71	48	....	51	....	90	.....	.370	.00	.00	.....	5.8	7.3
September	29.434	29.502	29.195	.....	56.0	60.8	50.9	55.8	79	48	....	49	....	82	.....	.357	.20	.20	.....	3.4	5.9
October	29.476	29.572	29.144	.....	54.1	59.5	49.2	54.4	79	44	....	49	....	85	.....	.348	.61	.25	.....	2.7	4.9
November	29.521	29.652	29.277	.....	51.9	56.7	47.9	52.3	68	41	....	49	....	90	.....	.345	1.95	.69	.....	5.0	6.5
December	29.558	29.761	29.275	.....	49.7	52.9	45.2	49.0	59	40	....	45	....	84	.....	.297	2.72	1.16	.....	5.2	6.7
Year	29.482	29.846	29.020	.....	52.5	55.9	47.4	51.7	79	39	....	47	....	84	.....	.328	14.75	1.45	.....	4.2	5.5

PORT CRESCENT, WASH.

[ϕ=48° 8′ N.; λ=123° 41′ W.]

January	29.713	30.233	28.928	.....	41.8	44.7	33.3	39.0	58	24	....	38	....	86	.....	0.230	5.18	1.30	.....	7.2	7.4
February	29.731	30.125	29.131	.....	42.2	43.9	31.0	37.4	50	18	....	37	....	83	.....	.223	6.26	1.58	.....	7.7	7.6
March	29.827	30.198	29.205	.....	45.0	47.2	33.7	40.4	54	26	....	38	....	78	.....	.233	5.82	1.64	.....	7.7	6.7
April	29.832	30.206	29.336	.....	48.8	50.8	35.1	43.0	65	28	....	42	....	80	.....	.275	3.47	1.03	.....	6.9	6.7
May	29.781	30.033	29.236	.....	51.9	54.0	40.2	47.1	60	35	....	45	....	79	.....	.299	1.46	.46	.....	6.9	6.6
June	29.794	30.084	29.499	.....	55.7	59.0	45.7	52.4	79	41	....	50	....	82	.....	.359	.59	.21	.....	5.7	5.5
July	29.851	30.046	29.543	.....	59.5	63.2	47.7	55.4	84	37	....	54	....	82	.....	.412	.27	.10	.....	3.7	4.3
August	29.812	29.975	29.614	.....	57.5	60.2	48.2	54.2	86	42	....	52	....	85	.....	.396	1.24	.44	.....	3.5	5.2
September	29.845	30.106	29.584	.....	55.5	57.8	42.7	50.2	69	30	....	51	....	86	.....	.380	.57	.23	.....	5.3	5.7
October	29.776	30.073	29.162	.....	50.6	53.8	39.8	46.8	69	29	....	46	....	85	.....	.315	3.40	.77	.....	7.1	6.5
November	29.732	30.115	29.154	.....	46.6	50.6	39.4	45.0	61	28	....	44	....	92	.....	.296	8.53	2.36	.....	8.2	7.5
December	29.799	30.254	29.239	.....	39.7	43.5	33.7	38.6	54	29	....	36	....	86	.....	.211	6.23	1.08	.....	7.5	7.2
Year	29.791	30.254	28.928	.....	49.6	52.4	39.2	45.8	86	18	....	44	....	84	.....	.302	43.02	2.36	.....	6.4	6.4

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

PITTSBURG, PA.

[H=842 ft.; h_t=336 ft.; h_r=329 ft.; h_a=352 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	11.5	NW.	48	W.	2	1	8	1	0	12	11	8	21	0	4	14	13	16	9	12	0	0	6	0	28	2	0
February	13.6	W.	56	W.	3	2	10	5	4	3	10	11	13	0	4	10	15	17	10	14	0	2	13	0	26	0	0
March	11.2	SW.	67	W.	1	7	7	2	1	10	13	9	13	0	5	12	14	14	12	1	0	0	0	0	11	4	0
April	11.9	NW.	49	W.	3	4	8	1	6	9	11	7	14	0	7	11	12	10	9	2	0	0	0	0	4	3	0
May	9.9	SW.	51	W.	2	3	11	5	6	7	15	7	7	1	6	12	13	18	12	0	2	1	0	0	0	9	0
June	8.1	SW.	43	NW.	2	8	10	0	6	8	15	3	10	0	13	13	4	9	6	0	0	4	0	1	0	9	0
July	7.3	SW.	52	NW.	2	9	11	1	6	11	14	3	7	0	9	14	8	12	11	0	0	1	0	5	0	14	0
August	7.4	NE.	36	W.	0	6	16	2	7	6	11	3	11	0	11	17	3	9	6	0	0	0	0	2	0	7	0
September	6.4	NE.	42	W.	1	12	13	3	10	6	5	2	9	0	22	5	3	3	2	0	0	5	0	4	0	1	2
October	7.4	NE.	32	NW.	0	7	24	5	2	3	6	2	13	0	15	6	10	7	5	0	0	8	0	0	0	0	0
November	10.8	W.	41	W.	1	4	4	2	5	12	10	12	11	0	11	13	6	7	3	2	0	2	1	0	11	0	0
December	12.3	W.	46	W.	2	1	7	1	1	9	14	15	14	0	3	11	17	13	11	4	0	1	4	0	24	0	0
Year	9.8	NW.	67	W.	19	64	129	28	54	96	135	82	143	1	110	138	118	135	96	35	2	24	24	12	104	49	2

POCATELLO, IDAHO.

[H=4,477 ft.; h_t=46 ft.; h_r=37 ft.; h_a=54 ft.]

January	7.4	SE.	40	SW.	1	3	1	6	24	5	5	4	14	0	12	11	8	9	5	6	0	0	7	0	29	0	0
February	8.9	SE.	36	SW.	0	1	0	3	22	6	8	14	4	0	11	15	3	7	6	6	0	0	4	0	25	0	0
March	11.0	SW.	40	SW.	1	1	2	3	24	1	28	2	1	0	10	13	8	8	4	8	0	0	1	0	22	0	0
April	9.5	SE.	37	SW.	0	1	0	3	23	2	17	10	3	1	20	9	1	6	3	2	0	0	0	0	10	4	0
May	9.8	SW.	44	SW.	1	0	0	4	14	3	28	6	7	0	4	19	8	18	11	4	0	0	0	0	1	2	0
June	7.8	SE.	37	SW.	0	0	0	4	24	2	17	8	5	0	12	12	6	15	12	0	1	0	0	0	0	8	0
July	7.2	SE.	30	SW.	0	0	2	11	23	0	13	7	6	0	20	11	0	4	1	0	1	0	0	0	0	5	0
August	7.9	SE.	31	SE.	0	2	0	4	31	3	12	5	4	1	17	13	1	8	5	0	0	0	0	6	0	6	0
September	7.7	SE.	48	SW.	1	0	0	6	26	5	12	9	2	0	14	15	1	4	3	0	1	0	0	2	2	6	0
October	8.3	SE.	37	SW.	0	2	0	8	14	10	18	8	2	0	12	13	6	7	7	5	0	0	0	0	11	0	0
November	7.3	SE.	36	SW.	0	2	1	0	26	1	10	11	7	2	16	2	12	4	3	3	0	0	5	0	21	0	0
December	8.3	SE.	38	SW.	0	1	0	1	27	2	13	10	8	0	4	11	16	13	3	10	0	0	9	0	28	0	0
Year	8.4	SE.	48	SW.	4	13	6	53	278	40	181	94	63	4	152	144	70	103	63	44	3	0	26	17	149	31	0

POINT REYES LIGHT, CAL.

[H=490 ft.; h_t=7 ft.; h_r=3 ft.; h_a=18 ft.]

January	16.9	S.	74	NW.	10	1	2	2	8	8	1	0	8	1	7	6	18	16	13	0	0	7	0	0	0	0	0
February	22.7	NW.	73	N.	15	3	0	0	1	3	4	1	17	0	4	13	12	9	8	0	1	3	0	0	0	0	0
March	21.9	NW.	65	NW.	14	10	1	0	0	3	1	1	15	0	16	12	3	7	3	0	1	7	0	0	0	0	0
April	21.0	NW.	80	NW.	9	10	0	0	0	2	4	2	12	0	15	5	10	5	2	0	0	7	0	0	0	0	0
May	35.5	NW.	96	NW.	22	4	0	0	0	2	3	1	21	0	21	8	2	6	3	0	0	8	0	0	0	0	0
June	31.7	NW.	76	NW.	15	5	0	0	0	2	2	0	21	0	15	5	10	1	0	0	0	14	0	0	0	0	0
July	18.6	NW.	61	NW.	8	8	0	0	0	7	3	0	13	0	5	4	22	0	0	0	0	25	0	0	0	0	0
August	21.9	NW.	76	NW.	9	4	0	0	0	1	6	1	19	0	8	2	21	0	0	0	0	24	0	0	0	0	0
September	18.4	N.	63	NW.	8	15	1	0	0	1	3	0	10	0	13	1	16	2	1	0	0	20	0	0	0	0	0
October	18.3	NW.	90	NW.	8	9	3	0	0	5	2	0	11	1	13	7	11	7	5	0	0	19	0	0	0	0	0
November	13.2	N.	73	N.	5	7	4	0	1	4	2	1	11	0	8	6	16	6	5	0	0	15	0	0	0	0	0
December	16.0	SE.	71	NW.	7	5	2	2	3	8	1	0	10	0	12	2	17	11	7	0	0	6	0	0	0	0	0
Year	21.3	NW.	96	NW.	130	81	13	4	13	46	32	7	168	2	137	71	158	70	47	0	2	155	0	0	0	0	0

PORT CRESCENT, WASH.

[H=259 ft.; h_t=12 ft.; h_r=3 ft.; h_a=29 ft.]

January	6.0	E.	30	S.	0	0	5	11	7	3	3	1	1	0	3	10	18	17	17	1	0	0	0	0	0	12	0	0
February	5.4	NE.	18	NE.	0	4	9	4	6	0	4	2	0	0	1	9	19	20	15	0	0	0	0	0	0	23	0	0
March	5.5	NE.	24	SW.	0	1	10	1	2	1	5	3	8	0	1	18	12	19	17	1	0	0	0	0	0	15	0	2
April	5.5	W.	16	SW.	0	2	5	0	1	0	2	12	8	0	3	14	13	14	12	2	0	0	0	0	0	8	0	0
May	4.9	NW.	14	NE.	0	4	3	0	0	0	1	11	12	0	4	15	12	17	14	0	0	0	0	0	0	0	0	0
June	4.7	NW.	14	NE.	0	1	0	1	0	1	5	8	14	0	8	13	9	7	4	0	0	5	0	0	0	0	0	0
July	4.7	NW.	13	W.	0	1	0	0	0	0	4	12	14	0	15	11	5	6	3	0	0	1	0	0	0	0	1	0
August	4.2	NW.	17	SW.	0	0	2	0	1	0	3	7	18	0	10	13	8	9	7	0	0	10	0	0	0	0	2	0
September	4.4	NW.	19	NW.	0	2	2	0	1	1	1	9	14	0	5	16	9	5	3	0	0	3	0	0	0	2	0	3
October	4.8	NW.	16	SW.	0	2	6	0	8	0	2	4	9	0	6	12	13	15	13	0	0	3	0	0	0	2	0	0
November	4.8	SE.	26	SW.	0	0	5	4	16	2	0	3	0	0	2	10	18	17	16	0	0	2	0	0	0	4	0	0
December	5.8	SE.	36	SW.	0	1	4	5	12	3	4	0	2	0	1	11	19	16	15	0	0	0	0	0	0	11	1	0
Year	5.1	NW.	36	SW.	0	18	51	26	54	11	34	72	100	0	59	152	155	162	136	4	0	24	0	0	77	4	5	

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

PORT HURON, MICH.

[ϕ = 43° 0′ N.; λ = 82° 26′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.	
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.261	29.813	28.413	21.0	25.2	30.8	17.2	24.0	43	− 9	17	20	82	77	0.098	0.109	1.95	0.80	5.7	6.3	5.1
February	29.340	30.133	28.423	17.2	21.1	27.3	12.8	20.0	45	− 6	13	16	83	78	.088	.093	3.26	1.65	6.4	5.6	6.3
March	29.324	29.938	28.687	30.7	34.2	41.7	26.0	33.8	70	14	26	28	80	77	.144	.154	1.74	.70	7.5	6.3	6.7
April	29.229	29.876	28.668	40.7	44.1	52.2	34.2	43.2	79	21	33	34	75	67	.204	.204	1.79	.54	5.7	6.3	6.9
May	29.198	29.633	28.827	54.3	58.1	65.9	47.3	56.6	87	29	48	49	80	73	.357	.367	3.73	.98	5.5	6.5	6.3
June	29.349	29.640	29.110	65.0	67.8	75.3	55.8	65.6	90	40	56	56	73	66	.470	.458	2.03	.94	3.0	5.2	3.5
July	29.367	29.572	28.907	69.0	71.7	79.6	61.3	70.4	94	50	60	60	74	68	.530	.534	1.09	.44	5.1	4.5	4.1
August	29.333	29.596	29.051	64.7	69.4	77.0	57.7	67.4	95	45	57	58	77	69	.478	.499	4.80	2.92	4.0	4.8	4.3
September	29.384	29.639	28.922	60.8	66.9	76.8	54.7	65.8	91	39	54	55	77	66	.423	.440	.32	.25	2.9	1.8	4.3
October	29.449	29.815	29.142	46.3	52.4	61.5	42.4	52.0	80	29	40	42	81	69	.260	.280	.73	.53	4.5	3.6	4.7
November	29.293	29.749	28.836	34.8	39.9	47.2	30.8	39.0	64	17	30	33	83	76	.179	.195	1.20	.48	6.2	4.6	7.1
December	29.301	29.761	28.788	25.0	28.4	33.9	21.1	27.5	47	12	20	23	79	78	.110	.121	1.56	.72	7.4	7.6	7.5
Year	29.319	30.133	28.413	44.1	48.3	55.8	38.4	47.1	95	− 9	38	40	79	72	.278	.288	24.20	2.92	5.3	5.3	5.6

PORTLAND, ME.

[ϕ = 43° 39′ N.; λ = 70° 15′ W.]

January	29.785	30.415	28.807	22.2	26.6	34.1	17.4	25.8	53	− 4	14	16	67	63	0.092	0.102	2.42	1.17	5.6	3.6	4.8
February	29.902	30.629	28.717	17.6	23.4	29.4	13.3	21.4	48	− 5	11	15	75	70	.082	.102	3.72	.88	4.6	4.8	5.2
March	29.940	30.426	29.264	29.1	34.1	40.5	24.1	32.3	56	6	21	25	71	69	.123	.141	2.26	.82	6.1	5.5	6.4
April	29.744	30.341	29.245	37.8	41.4	49.4	31.9	40.6	81	18	25	28	60	60	.150	.166	2.14	.38	4.4	4.0	5.3
May	29.832	30.346	29.160	53.5	53.7	62.3	46.3	54.3	87	35	45	44	74	73	.310	.303	4.76	1.72	6.3	6.1	6.2
June	29.882	30.281	29.600	64.9	64.2	73.8	55.4	64.6	89	42	52	52	66	66	.406	.395	.53	.42	3.2	3.0	3.2
July	29.906	30.211	29.493	69.1	68.5	78.9	60.6	69.8	98	53	60	60	74	76	.521	.521	2.58	1.06	5.3	3.7	5.0
August	29.904	30.236	29.514	64.3	65.0	72.7	58.1	65.4	82	46	56	56	76	76	.461	.468	3.73	.97	5.4	4.1	5.3
September	29.961	30.342	29.589	59.5	62.5	71.3	53.8	62.6	87	42	51	53	75	73	.387	.411	.69	.59	3.2	1.7	3.4
October	30.020	30.451	29.301	47.2	52.2	60.5	42.7	51.6	80	28	40	43	76	72	.257	.287	3.65	1.41	3.3	3.1	4.0
November	29.820	30.269	29.208	35.1	38.6	44.4	31.3	37.8	61	21	27	29	72	68	.150	.170	1.34	.52	4.6	4.3	5.5
December	29.876	30.460	29.250	23.0	27.6	33.7	19.2	26.4	63	3	16	17	73	62	.098	.098	2.92	1.13	5.4	3.4	5.2
Year	29.881	30.629	28.717	43.6	46.5	54.2	37.8	46.0	98	− 5	35	36	72	69	.253	.264	30.74	1.72	4.8	3.9	5.0

PORTLAND, OREG.

[ϕ = 45° 32′ N.; λ = 122° 43′ W.]

January	29.911	30.421	29.416	40.4	44.9	47.4	37.1	42.2	54	27	36	37	84	76	0.211	0.230	4.73	1.06	5.4	7.1	7.0
February	29.914	30.245	29.293	39.7	46.1	48.4	37.1	42.8	60	25	34	36	82	70	.206	.224	2.85	1.16	5.6	7.4	7.8
March	29.992	30.405	29.478	41.8	51.5	53.2	39.4	46.3	66	30	37	39	84	64	.224	.242	4.39	1.86	7.3	6.2	6.6
April	29.956	30.346	29.491	45.0	60.6	62.2	43.3	52.8	82	34	40	40	83	49	.248	.249	3.38	1.92	6.5	4.5	4.8
May	29.902	30.172	29.338	45.9	58.3	60.9	44.8	52.8	77	38	42	42	88	57	.272	.273	4.66	1.83	8.0	7.3	7.3
June	29.878	30.193	29.548	52.0	68.9	71.1	51.3	61.2	92	42	48	48	88	50	.343	.346	.67	.21	6.7	5.3	5.5
July	29.889	30.107	29.614	59.6	78.9	80.4	59.0	69.7	92	51	53	58	79	51	.405	.488	.05	.03	4.1	3.0	3.7
August	29.873	30.077	29.609	56.7	75.2	76.4	55.5	66.0	94	46	52	55	85	52	.391	.446	1.34	.73	4.9	2.5	3.7
September	29.927	30.232	29.640	50.8	69.3	70.9	49.2	60.0	86	35	48	50	91	52	.344	.378	.23	.14	3.5	3.7	3.9
October	29.898	30.191	29.347	47.7	58.1	60.4	45.4	52.9	79	35	45	46	89	66	.301	.313	5.17	2.43	5.1	5.5	5.8
November	29.904	30.228	29.488	44.8	51.7	55.2	42.5	48.8	70	32	42	44	90	75	.273	.295	3.10	1.14	5.6	5.9	6.2
December	29.977	30.416	29.636	37.1	40.3	43.3	34.8	39.0	54	23	32	34	84	78	.187	.197	3.80	.73	6.0	6.7	7.3
Year	29.918	30.421	29.293	46.8	58.6	60.8	45.0	52.9	94	23	42	44	86	62	.284	.307	34.37	2.43	5.7	5.4	5.8

PROVIDENCE, R. I.

[ϕ = 41° 50′ N.; λ = 71° 25′ W.]

January	29.780	30.396	28.942	26.5	30.5	30.0	20.8	29.9	54	− 2	18	19	68	62	0.108	0.118	2.93	0.98	4.6	3.1	4.6
February	29.878	30.576	28.902	21.9	27.6	34.8	17.3	26.0	57	− 2	15	18	71	66	.097	.114	4.00	1.83	4.2	4.3	5.0
March	29.921	30.424	29.268	34.5	38.2	46.2	29.4	37.8	64	15	26	29	72	70	.156	.171	3.42	1.18	5.8	4.1	6.0
April	29.740	30.346	29.253	43.8	46.2	56.5	36.6	46.6	85	22	30	32	59	59	.190	.199	1.77	.53	4.6	3.5	4.2
May	29.794	30.182	29.168	57.8	58.4	68.7	49.7	59.2	88	37	47	48	69	72	.340	.361	4.18	1.68	6.3	5.5	5.6
June	29.870	30.249	29.603	67.3	67.2	79.2	57.2	68.2	91	46	55	56	65	68	.439	.457	2.01	1.27	2.7	3.5	3.3
July	29.890	30.114	29.535	72.1	71.7	83.0	63.1	73.0	95	55	63	63	74	76	.583	.563	4.33	1.25	4.8	5.3	4.4
August	29.866	30.161	29.526	67.3	67.4	77.1	59.7	68.4	89	47	59	60	76	77	.513	.522	5.16	2.14	5.4	5.1	4.8
September	29.942	30.259	29.603	61.1	62.7	73.4	54.1	63.8	88	44	53	55	77	78	.420	.452	.88	.42	5.1	1.9	4.7
October	29.975	30.428	29.249	50.9	54.4	65.8	44.8	55.3	85	31	44	46	78	75	.302	.329	3.37	1.05	4.1	2.9	4.2
November	29.832	30.265	29.280	38.7	41.8	50.2	34.0	42.1	62	22	31	33	73	71	.180	.201	.92	.57	8.9	4.0	4.7
December	29.860	30.389	29.185	30.2	33.0	40.7	24.9	32.8	66	12	23	24	73	68	.136	.135	3.12	1.58	5.4	4.4	5.2
Year	29.862	30.576	28.902	47.7	49.9	59.6	41.0	50.3	95	− 2	39	40	71	70	.289	.304	36.09	2.14	4.7	4.0	4.7

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

PORT HURON, MICH.

[H=638 ft.; h_t=70 ft.; h_r=63 ft.; h_a=120 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	14.5	SW.	50	NW	1	0	4	0	5	6	21	10	16	0	15	4	12	11	6	10	0	0	14	0	30	0	0
February	14.1	NW.	46	W.	2	3	2	6	5	8	9	11	13	1	10	5	14	10	9	9	0	1	20	0	28	0	0
March	12.5	SW.	46	W.	1	9	3	6	2	10	16	4	12	0	7	7	17	11	7	1	0	0	6	0	24	2	0
April	14.1	SW.	49	SW.	2	7	7	1	6	7	13	9	10	0	7	6	17	14	10	0	0	4	0	0	12	2	0
May	10.8	NE.	38	NW.	0	6	9	9	8	8	12	4	6	0	9	9	13	14	10	1	0	1	0	0	2	5	1
June	10.2	SW.	60	W.	2	13	9	1	4	9	16	6	2	0	15	14	1	7	5	0	2	0	0	1	0	8	0
July	8.9	NE.	48	NW.	1	9	20	3	3	9	10	6	2	0	14	12	5	10	6	0	0	0	0	3	0	4	0
August	9.0	NE.	37	W.	0	4	12	7	7	11	10	6	4	1	15	11	5	7	7	0	0	0	0	2	0	5	1
September	9.6	SW.	37	NW.	0	6	5	3	4	15	19	4	4	0	14	9	7	2	2	0	0	0	0	3	0	0	2
October	10.9	SW.	33	NW.	0	7	3	4	9	15	11	2	11	0	13	8	10	5	3	0	0	2	0	0	2	1	0
November	13.2	SW.	46	SW.	2	2	1	0	3	13	18	15	8	0	5	7	18	12	7	4	0	3	1	0	17	2	0
December	12.9	SW.	42	W.	1	2	1	3	3	8	18	18	9	0	4	9	18	11	6	9	0	1	10	0	30	0	0
Year	11.7	SW.	60	W.	12	68	76	43	59	119	173	95	97	2	128	101	137	114	78	34	2	12	51	9	145	29	4

PORTLAND, ME.

[H=103 ft.; h_t=81 ft.; h_r=75 ft.; h_a=117 ft.]

January	12.0	SW.	48	SE.	4	6	2	1	1	6	13	13	19	1	11	12	8	10	7	6	0	0	12	0	30	0	0
February	10.3	NW.	61	SE.	2	11	3	3	2	4	9	9	17	0	13	6	10	10	8	8	0	1	15	0	27	0	0
March	9.4	NW.	38	S.	0	11	3	3	3	10	8	9	15	0	5	14	12	12	8	5	0	1	8	0	24	1	1
April	12.5	W.	45	NW.	3	7	5	1	3	8	11	10	15	0	9	12	9	13	12	3	0	2	1	0	15	0	0
May	9.3	S.	36	SE.	0	7	7	9	5	14	10	3	7	0	7	8	16	15	13	0	0	5	0	0	0	5	0
June	9.4	S.	30	S.	0	2	3	4	2	17	13	9	10	0	19	8	3	3	2	0	0	1	0	0	0	0	0
July	8.2	S.	36	S.	0	4	3	7	6	17	12	5	7	1	11	16	4	14	10	0	0	4	0	4	0	6	0
August	8.3	S.	28	S.	0	6	2	0	2	16	18	9	8	1	13	5	13	12	8	0	0	2	0	0	0	4	0
September	8.8	S.	34	SE.	0	11	0	0	2	13	18	7	7	2	21	4	5	4	2	0	0	2	0	0	0	1	1
October	8.1	W.	36	NW.	0	10	3	3	2	5	12	13	12	2	17	4	10	7	7	0	0	4	0	0	3	0	0
November	9.9	SW.	42	NW.	1	6	1	0	3	4	20	16	9	1	11	8	11	9	6	3	0	5	1	0	16	0	0
December	10.0	W.	56	SE.	1	10	0	0	3	0	19	18	11	1	11	9	11	11	8	8	0	1	13	0	30	0	0
Year	9.7	SW.	61	SE.	11	91	32	31	34	114	163	121	137	9	148	106	112	120	91	33	0	28	50	4	145	17	2

PORTLAND, OREG.

[H=153 ft.; h_t=68 ft.; h_r=63 ft.; h_a=106 ft.]

January	6.8	NW.	29	E.	0	4	3	11	11	11	7	3	12	0	7	5	19	18	14	0	0	5	0	0	4	0	0
February	7.0	SE.	33	S.	0	3	5	8	14	7	9	5	7	0	3	5	21	18	14	1	1	3	0	0	5	0	0
March	7.2	SW.	31	S.	0	4	0	3	14	9	17	3	11	1	3	19	9	19	14	0	3	2	0	0	1	0	0
April	7.0	NW.	27	SW.	0	3	1	2	5	9	11	7	22	0	11	11	8	13	10	0	0	0	0	0	0	0	0
May	6.2	NW.	26	SW.	0	3	3	0	6	12	10	13	14	1	3	8	20	20	18	0	3	1	0	0	0	0	0
June	6.1	NW.	24	NW.	0	9	1	2	7	5	6	5	25	0	12	6	12	9	6	0	0	1	0	1	0	0	0
July	7.2	NW.	22	N.	0	14	2	1	3	5	1	2	33	1	15	11	5	3	0	0	0	0	0	3	0	0	0
August	5.9	NW.	21	NW.	0	12	1	1	3	7	0	2	33	3	16	10	5	6	6	0	0	0	0	2	0	0	0
September	4.7	NW.	21	NW.	0	8	0	3	6	6	2	0	34	1	17	7	6	3	2	0	0	3	0	0	0	1	0
October	5.7	NW.	25	SW.	0	3	4	5	8	7	8	4	22	1	9	9	13	15	13	0	1	2	0	0	0	0	0
November	5.1	NW.	24	SW.	0	6	0	7	13	14	1	2	15	2	8	10	12	12	10	0	0	8	0	0	0	0	0
December	6.9	SE.	31	SW.	0	5	0	11	19	9	6	2	9	1	5	8	18	15	13	2	0	6	0	0	9	0	0
Year	6.3	NW.	33	S.	0	74	20	54	109	101	78	48	237	11	109	109	148	151	120	3	8	31	0	6	19	1	0

PROVIDENCE, R. I.

[H=160 ft.; h_t=57 ft.; h_r=56 ft.; h_a=67 ft.]

January	9.5	W.	37	E.	0	3	3	0	3	3	14	20	16	0	14	8	9	10	7	3	0	1	5	0	27	0	0
February	9.3	W.	37	W.	0	4	1	8	3	3	6	16	17	0	10	11	8	11	9	7	0	3	12	0	26	0	0
March	7.7	W.	29	SW.	0	7	5	5	4	6	11	11	13	0	7	13	11	18	13	3	0	3	2	0	19	1	1
April	9.9	W.	36	NW.	0	4	5	3	3	4	17	15	9	0	15	9	6	13	9	0	0	2	0	0	8	2	0
May	7.3	W.	34	SE.	0	3	8	8	8	8	13	11	3	0	13	7	11	12	9	0	0	1	0	0	0	0	0
June	5.9	SW.	20	NW.	0	7	4	4	4	10	15	10	6	0	17	10	3	6	5	0	0	0	0	1	0	4	0
July	5.7	SW.	20	W.	0	3	4	4	2	11	22	12	4	0	13	14	4	11	9	0	0	1	0	4	0	7	0
August	5.8	W.	22	NE.	0	9	7	2	3	9	11	12	7	2	16	7	8	10	9	0	0	0	0	0	0	6	0
September	5.2	SW.	20	S.	0	7	5	3	3	8	12	9	12	1	13	11	6	4	3	0	0	5	0	0	0	2	0
October	5.9	NW.	26	W.	0	11	13	1	3	3	7	9	15	0	17	6	8	8	7	0	0	3	0	0	1	0	0
November	7.7	W.	27	NW.	0	5	3	0	2	7	11	22	10	0	13	9	8	9	5	0	0	4	0	0	15	0	0
December	7.9	W.	34	SE.	0	6	4	0	3	1	10	22	16	0	12	9	10	8	7	3	0	0	4	0	27	0	0
Year	7.3	W.	37	E.	0	69	62	38	41	73	149	169	128	3	160	114	92	120	92	16	0	23	23	5	123	20	3

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

PUEBLO, COLO.

[$\phi = 38° 18'$ N.; $\lambda = 104° 36'$ W.]

Month.	Pressure.			Temperature.							Moisture.								Cloudiness.		
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.				
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	25.304	25.645	24.890	24.5	39.4	49.1	17.8	33.4	63	− 8	10	14	56	39	0.068	0.084	0.18	0.17	2.5	1.9	2.5
February	25.245	25.598	24.885	24.7	43.1	50.1	20.7	35.4	70	0	16	21	67	44	.089	.113	.69	.27	3.2	3.7	3.4
March	25.230	25.719	24.841	36.1	56.9	62.1	32.2	47.2	80	22	19	17	54	22	.105	.094	.18	.10	3.3	4.2	3.3
April	25.234	25.619	24.704	39.6	61.5	66.2	37.1	51.6	81	20	24	25	53	28	.129	.138	.05	.02	1.9	4.2	3.5
May	25.116	25.465	24.770	45.8	67.8	72.5	43.3	57.9	90	31	30	24	56	26	.171	.139	.97	.49	2.9	3.6	3.1
June	25.215	25.675	24.820	56.8	81.3	85.0	54.0	69.5	97	45	37	28	51	18	.231	.175	.08	.07	2.3	3.4	2.6
July	25.398	25.632	25.088	61.4	79.5	86.2	60.0	73.1	99	52	50	48	68	36	.368	.339	.92	.33	3.2	6.8	4.3
August	25.352	25.625	25.080	60.1	78.1	84.4	58.5	71.4	96	54	51	48	73	39	.375	.339	1.67	.53	4.3	5.6	4.4
September	25.358	25.672	24.970	51.1	76.3	82.2	48.8	65.5	95	29	36	36	58	26	.217	.214	.15	.15	1.6	2.1	1.4
October	25.291	25.652	24.767	39.1	58.6	65.6	36.6	51.1	83	21	25	26	60	33	.135	.144	.58	.46	3.1	2.6	2.9
November	25.348	25.822	24.765	27.8	43.7	52.8	23.5	38.2	75	6	17	22	63	48	.092	.117	.64	.57	3.4	3.2	3.4
December	25.299	25.646	25.034	26.9	35.7	44.6	19.9	32.2	64	0	15	21	64	57	.086	.114	.03	.02	2.5	2.0	3.1
Year	25.282	25.822	24.704	41.2	60.2	66.7	37.7	52.2	99	− 8	28	28	60	35	.172	.168	6.14	.57	2.8	3.6	3.2

RALEIGH, N. C.

[$\phi = 35° 45'$ N.; $\lambda = 78° 37'$ W.]

January	29.657	30.103	28.807	34.0	42.4	49.2	31.6	40.4	64	19	26	30	72	62	0.147	0.172	4.26	1.28	4.5	3.9	4.4
February	29.730	30.380	28.881	33.8	41.2	47.5	31.0	39.2	66	16	27	28	75	60	.163	.168	3.66	.78	6.3	4.2	5.0
March	29.722	30.227	29.267	49.2	59.7	68.0	45.9	57.0	85	24	43	47	80	65	.288	.337	5.58	2.28	5.4	4.0	5.4
April	29.602	30.000	29.216	58.0	65.8	74.2	52.2	63.2	87	35	48	47	72	54	.365	.354	2.56	.91	5.4	3.8	5.5
May	29.569	29.833	29.210	64.4	71.4	79.5	58.6	69.0	90	38	56	57	76	62	.482	.482	2.03	1.29	5.0	4.7	5.3
June	29.675	29.879	29.413	70.4	75.7	84.7	63.9	74.3	96	57	63	63	78	66	.579	.577	6.20	1.45	4.6	4.5	4.5
July	29.672	29.913	29.332	74.9	78.1	87.5	69.7	78.6	96	63	69	69	83	74	.718	.704	6.14	2.00	5.0	6.1	5.8
August	29.627	29.837	29.385	71.1	75.3	83.1	66.8	75.0	94	57	67	68	89	79	.680	.689	13.63	5.72	5.7	5.5	5.7
September	29.699	29.961	29.472	63.6	71.2	78.5	59.9	69.2	86	47	58	60	84	70	.503	.541	3.70	3.07	3.2	2.0	4.3
October	29.701	30.100	29.290	54.0	62.6	70.4	51.2	60.8	84	40	48	49	82	64	.353	.364	3.76	1.37	3.4	2.6	4.1
November	29.724	30.021	29.270	45.3	55.1	62.8	43.4	53.1	77	30	38	41	76	61	.247	.280	1.47	1.09	3.0	1.0	4.0
December	29.708	30.160	29.257	40.3	46.5	54.3	37.0	45.6	75	26	33	34	76	62	.202	.208	3.64	2.40	6.5	4.1	5.7
Year	29.674	30.380	28.807	54.9	62.1	70.0	50.9	60.4	96	16	48	49	79	65	.394	.406	56.63	5.72	4.8	3.9	5.0

RAPID CITY, S. DAK.

[$\phi = 44° 4'$ N.; $\lambda = 103° 12'$ W.]

January	26.597	27.030	26.281	26.7	31.4	41.9	17.1	29.5	61	− 9	18	20	71	63	0.100	0.112	0.22	0.12	3.3	2.5	4.4
February	26.595	26.847	26.194	19.3	28.7	36.9	14.0	25.4	62	−16	15	22	84	76	.091	.123	.12	.10	4.6	3.5	5.4
March	26.576	27.026	26.001	28.3	35.6	44.3	21.4	32.8	67	− 4	22	28	80	75	.124	.156	1.14	.42	6.1	6.1	5.5
April	26.548	26.948	25.913	40.7	55.3	61.9	35.4	48.6	83	6	30	38	68	55	.178	.245	.78	.51	2.7	3.3	2.7
May	26.493	26.813	26.111	45.3	56.9	61.4	39.7	50.6	77	28	39	42	78	63	.242	.282	5.46	1.34	5.3	5.4	4.9
June	26.526	26.964	26.134	55.1	67.7	71.4	50.1	60.8	89	40	49	53	80	62	.349	.409	4.28	1.42	3.8	4.4	3.5
July	26.688	27.012	26.370	64.2	78.1	82.3	58.5	70.4	96	47	52	54	67	46	.398	.438	1.26	.63	2.8	3.3	3.1
August	26.640	26.928	26.285	58.2	74.7	79.9	54.0	67.0	96	45	46	46	67	41	.325	.326	.87	.54	2.7	3.7	3.2
September	26.620	26.968	26.409	56.5	71.4	78.3	51.5	64.9	102	25	39	41	58	39	.251	.273	2.67	1.10	3.0	3.6	3.2
October	26.601	26.955	25.916	39.5	49.4	56.6	36.0	46.3	83	23	31	33	74	58	.175	.188	2.09	.99	4.7	4.4	5.3
November	26.645	27.246	26.171	34.2	38.3	51.2	27.7	39.4	74	5	21	24	59	56	.117	.134	.01	.01	3.6	3.6	4.0
December	26.597	26.965	26.252	23.8	28.2	39.5	17.0	28.2	53	− 5	16	19	74	68	.091	.102	.73	.33	4.5	4.0	5.4
Year	26.594	27.246	25.913	41.0	51.3	58.8	35.2	47.0	102	−16	32	35	72	58	.203	.232	19.63	1.42	3.9	4.0	4.2

RED BLUFF, CAL.

[$\phi = 40° 10'$ N.; $\lambda = 122° 15'$ W.]

January	29.744	30.125	29.292	42.8	51.3	53.5	40.5	47.0	69	31	39	43	88	76	0.244	0.284	5.35	2.10	5.7	7.2	7.4
February	29.693	29.979	29.188	42.0	55.0	56.6	39.8	48.2	73	32	39	41	88	64	.237	.263	6.03	2.15	5.2	4.5	5.1
March	29.750	30.080	29.337	44.4	65.0	67.0	42.4	54.7	81	33	37	34	77	35	.223	.206	.91	.51	2.4	4.6	4.7
April	29.633	29.895	29.348	52.6	74.0	75.4	50.7	63.0	91	40	42	37	68	31	.267	.237	.12	.08	2.9	3.4	3.8
May	29.585	29.863	29.348	62.2	70.9	72.9	50.4	61.6	91	40	40	34	67	31	.256	.206	1.05	.33	2.9	3.5	4.4
June	29.529	29.702	29.259	57.9	84.8	86.3	58.3	72.3	102	46	45	35	61	19	.306	.215	T.	T.	.9	2.5	2.3
July	29.485	29.639	29.336	72.2	100.8	102.2	70.4	86.3	114	62	50	45	48	15	.366	.302	T.	T.	.7	.5	.9
August	29.495	29.695	29.308	67.1	95.0	96.2	66.0	81.1	114	55	50	42	55	17	.363	.276	.00	0.0	.3	.4	.5
September	29.559	29.752	29.256	61.8	86.8	88.6	59.7	74.2	101	50	46	40	59	21	.320	.257	.01	.01	1.1	2.6	2.6
October	29.638	29.798	29.319	53.1	71.7	74.0	49.8	61.9	92	41	39	38	61	33	.249	.247	.18	.11	1.5	2.7	3.1
November	29.705	29.877	29.391	45.9	63.5	67.2	42.6	54.9	84	34	40	42	80	50	.250	.276	1.63	.56	2.3	4.5	4.9
December	29.803	30.091	29.522	37.8	45.9	47.8	35.8	41.8	60	25	34	38	87	75	.202	.229	2.64	1.36	4.6	6.5	7.0
Year	29.635	30.125	29.188	52.5	72.1	74.0	50.5	62.2	114	25	42	39	70	39	.274	.250	17.92	2.15	2.5	3.6	3.9

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

PUEBLO, COLO.

[H=4,685 ft.; h_t=80 ft.; h_r=72 ft.; h_a=86 ft.]

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.								Number of days.											
	By self-register.															Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																						
January	8.3	NW.	44	W.	1	10	6	5	8	2	2	16	13	0	20	9	2	2	1	2	0	0	1	0	29	0	0
February	6.9	NW.	43	W.	1	4	7	9	4	3	2	14	15	0	18	9	2	4	4	3	0	0	3	0	27	1	0
March	9.9	W.	55	W.	2	3	2	8	15	0	2	23	9	0	18	12	1	2	2	1	0	0	0	0	17	1	0
April	8.3	SE.	40	NW.	1	11	6	5	12	0	4	8	14	0	14	15	1	4	0	1	1	0	0	0	10	3	0
May	9.1	SE.	46	N.	1	11	2	6	9	0	11	7	15	1	20	7	4	5	5	1	2	0	0	0	2	4	0
June	8.4	SE.	45	NE.	2	8	4	8	4	2	11	11	12	0	18	12	0	3	1	0	1	0	0	7	0	6	0
July	7.5	SE.	40	W.	1	9	3	5	12	1	1	5	25	1	12	16	3	7	6	0	0	0	0	11	0	18	0
August	5.6	SE.	36	N.	0	10	5	3	18	1	2	6	15	2	11	15	5	9	7	0	1	1	0	9	0	8	0
September	6.1	NW.	26	NW.	0	9	4	10	14	0	6	7	10	0	26	3	1	2	1	2	0	0	0	7	2	1	0
October	6.7	NW.	45	W.	1	5	3	8	12	2	7	6	19	0	20	9	2	2	2	1	0	0	0	0	12	1	0
November	5.8	NW.	36	NW.	0	8	8	4	15	1	1	8	15	0	17	8	5	6	2	6	0	0	3	0	29	0	0
December	6.7	NW.	59	NW.	1	6	7	3	11	5	2	10	18	0	17	12	2	2	0	2	0	0	4	0	30	0	0
Year	7.4	NW.	59	NW.	11	94	57	74	134	17	51	121	180	4	211	127	28	48	31	19	5	1	11	34	158	43	0

RALEIGH, N. C.

[H=376 ft.; h_t=103 ft.; h_r=94 ft.; h_a=110 ft.]

January	7.2	NW.	40	SW.	1	6	6	4	2	6	11	8	16	3	14	9	8	10	10	0	0	0	0	0	16	0	0
February	7.8	W.	32	S.	0	7	10	4	1	3	4	19	10	0	11	11	7	10	9	2	0	1	1	0	19	0	0
March	6.7	SW.	26	NE.	0	8	12	3	3	10	16	4	6	0	8	14	9	10	9	1	0	2	0	0	3	3	0
April	7.8	SW.	28	NW.	0	4	6	4	6	11	13	8	8	0	9	8	13	8	7	0	1	0	0	0	0	3	0
May	6.2	SW.	27	SW.	0	4	10	2	7	10	15	8	6	0	10	13	8	9	7	0	0	0	0	1	0	4	0
June	5.4	NE.	34	NW.	0	8	15	7	4	8	11	2	5	0	15	8	7	11	7	0	0	0	0	7	0	7	0
July	6.2	SW.	30	S.	0	11	4	6	8	11	13	2	7	0	7	16	8	18	15	0	0	0	0	12	0	13	0
August	6.6	NE.	34	NW.	0	4	17	4	6	10	13	5	3	0	11	7	13	12	9	0	0	0	0	7	0	7	0
September	7.0	NE.	25	SW.	0	7	31	5	1	2	2	8	4	0	16	8	6	4	3	0	0	1	0	0	0	2	1
October	8.0	NE.	26	NE.	0	8	33	4	3	4	3	4	2	1	18	3	10	7	7	0	0	1	0	0	0	0	0
November	7.6	SW.	30	SW.	0	6	14	0	3	5	16	9	6	1	13	11	6	3	2	0	0	4	0	0	3	1	0
December	7.6	SW.	38	NW.	0	5	11	6	5	2	14	4	15	0	11	8	12	13	11	0	1	1	0	0	11	1	0
Year	7.0	NE.	40	SW.	1	78	169	49	49	82	131	81	88	5	143	116	107	115	96	3	2	10	1	27	52	41	1

RAPID CITY, S. DAK.

[H=3,234 ft.; h_t=46 ft.; h_r=35 ft.; h_a=50 ft.]

January	6.4	W.	30	NW.	0	6	1	2	4	2	7	20	20	0	18	4	9	5	2	4	0	0	5	0	30	0	0
February	5.0	NW.	23	SE.	0	9	7	6	7	0	2	8	19	0	11	7	11	2	0	2	0	0	11	0	29	0	0
March	4.1	N.	32	NW.	0	13	3	6	10	0	9	10	10	1	11	7	13	11	8	8	0	0	7	0	25	0	0
April	5.2	NW.	23	NW.	0	2	5	3	9	2	8	10	21	0	23	3	4	6	4	3	0	0	1	0	13	1	0
May	3.9	NW.	18	NE.	0	10	4	9	10	3	4	7	15	0	14	9	8	12	11	0	0	0	0	0	3	1	0
June	7.7	W.	34	SW.	0	5	4	9	12	2	7	11	10	0	21	4	5	14	13	0	0	0	0	0	0	6	0
July	6.9	W.	33	NW.	0	6	1	4	14	2	9	20	5	1	19	10	2	7	6	0	1	0	0	5	0	9	0
August	6.7	W.	36	NW.	0	10	3	4	12	7	2	18	4	2	20	4	7	5	4	0	0	0	0	4	0	7	0
September	7.4	W.	31	SW.	0	10	2	3	4	8	4	20	8	1	18	11	1	6	5	1	0	0	0	6	2	3	1
October	7.5	NW.	37	SW.	0	6	5	2	9	2	7	13	14	4	13	8	10	6	5	3	0	1	0	0	8	1	0
November	7.5	W.	29	NW.	0	5	1	0	1	1	4	34	14	0	15	11	4	1	0	1	0	0	4	0	17	0	0
December	6.4	W.	37	SW.	0	6	7	1	6	4	3	24	10	1	9	10	12	7	5	6	0	0	6	0	30	0	0
Year	6.2	W.	37	SW.	0	88	43	49	98	33	66	195	150	10	192	88	86	82	63	28	1	1	34	15	157	28	1

RED BLUFF, CAL.

[H=332 ft.; h_t=50 ft.; h_r=40 ft.; h_a=56 ft.]

January	4.6	NW.	22	SE.	0	7	4	0	17	5	2	3	23	1	5	9	17	14	12	0	0	3	0	0	1	0	0
February	6.2	SE.	28	S.	0	5	1	1	18	10	3	2	18	0	12	6	11	10	9	1	0	0	0	0	1	0	0
March	6.8	NW.	32	NW.	0	12	6	0	12	5	0	3	24	0	13	14	4	2	2	0	0	0	0	0	0	0	0
April	7.8	NW.	35	N.	0	5	1	1	19	7	2	4	21	0	17	4	9	3	1	0	0	0	0	1	0	0	0
May	8.8	NW.	35	N.	0	15	3	1	12	1	1	3	26	0	15	6	10	6	5	0	1	0	0	2	0	2	0
June	6.4	NW.	27	SE.	0	5	2	0	20	4	2	4	22	1	21	8	1	0	0	0	0	0	0	9	0	0	0
July	4.6	SE.	26	NW.	0	3	1	4	24	11	3	3	12	1	28	3	0	0	0	0	0	0	0	31	0	0	0
August	4.9	SE.	22	N.	0	3	0	0	25	10	3	4	13	4	28	3	0	0	0	0	0	0	0	24	0	0	0
September	5.3	SE.	40	N.	1	6	1	1	21	6	0	5	20	0	19	8	3	1	0	0	0	0	0	16	0	0	0
October	6.0	NW.	35	N.	0	10	3	0	12	9	2	4	21	1	18	6	7	2	2	0	0	0	0	2	0	0	0
November	4.4	NW.	22	SE.	0	10	3	0	10	7	1	0	28	1	12	6	12	5	5	0	0	0	0	0	0	0	0
December	3.8	NW.	20	N.	0	15	2	3	13	3	4	0	20	2	6	5	20	9	6	1	0	6	1	0	7	0	0
Year	5.8	NW.	40	N.	1	96	27	11	203	78	23	35	248	11	194	78	94	52	42	2	1	9	1	85	9	2	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

RENO, NEV.

[ϕ=39° 32′ N.; λ=119° 49′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	25.497	25.918	25.118	29.6	40.6	45.0	26.1	35.6	58	16	25	27	83	58	0.135	0.148	0.83	0.26	5.6	6.4	6.0
February	25.441	25.793	24.922	28.7	44.8	48.6	25.3	37.0	72	15	22	22	75	43	.117	.118	.32	.15	3.9	5.0	4.4
March	25.517	25.856	25.045	29.4	52.0	55.9	26.4	41.2	75	15	20	17	66	28	.104	.092	.26	.13	2.7	3.9	3.4
April	25.475	25.693	25.107	36.0	60.9	64.9	33.9	49.4	78	19	27	27	69	30	.151	.149	.11	.08	3.0	3.1	3.1
May	25.389	25.542	25.010	38.2	57.5	61.6	35.8	48.7	78	26	30	28	73	35	.167	.153	.71	.41	3.7	4.7	4.2
June	25.429	25.633	25.097	44.8	70.3	75.0	43.7	59.4	91	32	34	30	65	25	.194	.165	.24	.17	2.0	4.1	3.0
July	25.508	25.643	25.344	56.5	85.7	90.8	55.8	73.3	99	48	41	38	58	20	.265	.233	1.53	.54	1.3	3.9	2.3
August	25.483	25.655	25.289	53.4	81.9	86.3	51.5	68.9	100	37	37	34	54	19	.228	.204	.20	.12	1.3	1.9	1.5
September	25.513	25.703	25.186	45.4	71.4	75.7	43.4	59.6	91	28	35	34	67	28	.209	.205	.49	.28	2.5	4.3	3.4
October	25.500	25.731	25.149	36.7	57.3	62.0	33.5	47.8	79	20	27	25	66	31	.146	.136	.28	.20	3.3	3.3	3.4
November	25.542	25.713	25.243	30.5	51.1	57.8	27.6	42.7	70	13	21	24	65	38	.109	.126	.29	.18	2.4	4.1	3.5
December	25.524	25.829	25.185	22.5	37.7	43.0	19.7	31.4	59	− 1	18	24	82	57	.098	.125	.16	.08	4.2	4.8	4.6
Year	25.485	25.918	24.922	37.6	59.3	63.9	35.2	49.6	100	− 1	28	28	69	34	.160	.154	5.42	.54	3.0	4.1	3.6

RICHMOND, VA.

[ϕ=37° 32′ N.; λ=77° 27′ W.]

January	29.906	30.411	28.762	32.3	.....	46.9	29.3	38.1	64	17	24	....	71	....	0.134	.....	4.39	1.62	4.9	.....	4.6
February	29.974	30.703	28.978	31.7	.....	44.7	28.5	36.6	68	15	25	....	74	....	.146	.....	3.92	.83	6.9	.....	5.6
March	29.989	30.506	29.617	45.6	.....	63.0	41.5	52.2	82	24	39	....	78	....	.250	.....	2.96	.82	6.6	.....	6.9
April	29.855	30.345	29.205	54.4	.....	70.6	49.3	60.0	90	31	43	....	68	....	.306	.....	2.73	.75	5.1	.....	4.6
May	29.807	30.088	29.490	63.2	.....	76.8	57.5	67.2	90	40	55	....	76	....	.465	.....	6.71	1.75	5.6	.....	4.8
June	29.928	30.174	29.711	70.0	.....	82.7	63.1	72.9	94	56	62	....	76	....	.556	.....	5.72	3.20	3.9	.....	4.0
July	29.930	30.109	29.704	75.6	.....	88.1	69.7	78.9	96	62	68	....	77	....	.684	.....	4.37	.99	5.1	.....	4.7
August	29.875	30.134	29.650	70.6	.....	82.4	65.6	74.0	95	55	66	....	86	....	.658	.....	10.40	3.29	5.7	.....	5.1
September	29.974	30.246	29.754	62.7	.....	77.8	59.0	68.4	88	50	58	....	84	....	.489	.....	2.74	2.02	4.8	.....	4.7
October	29.986	30.426	29.598	54.3	.....	70.2	50.7	60.4	84	38	48	....	81	....	.355	.....	2.87	1.76	3.3	.....	4.0
November	29.979	30.311	29.508	43.5	.....	61.1	39.7	50.4	76	28	37	....	77	....	.228	.....	1.25	.88	3.7	.....	3.9
December	29.960	30.451	29.433	36.3	.....	49.5	32.8	41.2	70	20	31	....	80	....	.179	.....	4.72	2.12	6.6	.....	5.6
Year	29.930	30.703	28.762	53.4	.....	67.8	48.9	58.4	96	15	46	....	77	....	.371	.....	52.78	3.29	5.2	.....	4.8

ROCHESTER, N. Y.

[ϕ=43° 8′ N.; λ=77° 42′ W.]

January	29.380	29.965	28.520	24.2	26.0	32.3	18.9	25.6	45	− 1	18	19	77	74	0.102	0.106	2.27	0.69	8.3	6.9	7.8
February	29.462	30.316	28.449	19.4	21.3	27.8	14.6	21.2	52	− 5	15	15	81	76	.094	.094	2.44	.61	8.2	6.2	7.6
March	29.470	30.018	28.908	33.1	34.5	43.0	27.2	35.1	73	14	26	27	74	73	.146	.150	3.14	.83	8.3	6.5	7.9
April	29.358	29.991	28.943	40.9	43.0	53.2	35.3	44.2	76	20	31	32	67	66	.185	.185	2.38	.87	7.0	6.2	6.3
May	29.355	29.716	28.933	56.7	58.9	66.7	50.9	58.8	91	32	48	49	73	71	.353	.375	2.47	.62	5.4	5.6	6.0
June	29.487	29.730	29.222	65.1	69.7	78.0	58.0	68.0	91	46	54	56	68	62	.430	.456	3.64	2.06	3.7	3.4	3.9
July	29.491	29.732	28.972	69.2	73.7	81.1	62 7	71.9	92	55	60	60	72	63	.520	.520	4.56	1.93	3.7	3.3	4.3
August	29.467	29.753	29.216	64.5	69.3	77.7	58.5	68.1	91	48	56	55	73	62	.452	.447	1.18	.43	4.0	3.9	4.4
September	29.535	29.844	29.181	59.9	66.8	76.6	55.3	66.0	89	41	51	52	74	61	.389	.404	1.73	.89	2.7	2.9	2.9
October	29.596	29.958	29.283	49.8	54.0	63.1	45.5	54.3	81	33	41	42	73	66	.267	.276	1.28	.80	4.7	3.6	5.0
November	29.419	29.821	28.925	37.4	41.4	47.9	34.7	41.3	68	24	31	32	77	70	.181	.189	1.25	.59	7.1	6.5	7.3
December	29.433	29.888	28.891	29.0	28.8	35.1	23.7	29.4	53	10	23	22	77	74	.125	.120	1.15	.27	8.2	6.7	8.0
Year	29.454	30.316	28.449	45.8	49.0	56.9	40.4	48.7	92	− 5	38	38	74	68	.270	.277	27.49	2.05	5.9	5.1	6.0

ROSEBURG, OREG.

[ϕ=43° 13′ N.; λ=123° 20′ W.]

January	29.516	29.957	29.131	38.4	46.1	48.5	35.5	42.0	57	25	37	40	94	80	0.230	0.249	3.31	1.12	5.1	7.2	6.1
February	29.521	29.864	29.918	36.1	49.3	51.5	33.4	42.4	65	23	34	37	92	65	.199	.224	3.53	.99	5.3	6.4	5.9
March	29.635	29.972	29.156	36.9	53.8	57.2	35.0	46.1	74	27	35	39	92	60	.209	.246	1.98	.78	6.8	5.5	6.2
April	29.561	29.898	29.134	40.6	63.0	65.2	38.3	51.8	85	27	38	46	91	60	.234	.336	.44	.23	5.1	4.3	4.7
May	29.533	29.791	29.054	41.6	59.1	63.2	40.5	51.8	80	32	39	43	92	59	.243	.284	1.47	.33	6.4	6.6	6.5
June	29.506	29.809	29.095	47.7	71.3	74.0	46.7	60.4	94	39	45	48	92	47	.303	.337	1.41	.84	5.3	4.2	4.8
July	29.489	29.695	29.270	54.3	85.0	87.4	53.5	70.4	101	45	50	53	87	34	.368	.403	.04	.03	3.0	1.4	2.0
August	29.479	29.686	29.266	51.6	82.4	84.2	50.4	67.3	102	39	48	48	87	33	.338	.343	.29	.16	2.9	1.6	2.3
September	29.528	29.788	29.240	46.1	74.8	77.4	43.9	60.6	93	30	44	46	91	39	.291	.319	.43	.26	2.4	2.6	2.5
October	29.528	29.796	29.087	44.1	59.8	62.4	41.6	52.0	85	34	43	47	95	67	.278	.320	5.29	2.12	5.0	5.2	5.4
November	29.523	29.805	29.168	43.1	51.4	54.9	40.1	47.5	74	30	42	45	96	80	.267	.301	2.99	.74	4.7	5.8	7.0
December	29.580	29.955	29.254	37.3	42.0	44.5	34.6	39.6	58	26	36	38	95	85	.214	.229	3.00	.79	8.6	6.9	8.1
Year	29.533	29.972	28.918	43.2	61.5	64.2	41.1	52.7	102	23	41	44	92	59	.264	.300	24.18	2.12	5.0	4.8	5.1

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

RENO, NEV.

[H=4,532 ft.; h_t=56 ft.; h_r=47 ft.; h_a=63 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																								
January	3.9	W.	26	W.	0	5	9	5	8	4	11	16	2	2	8	10	13	10	6	6	0	1	0	0	26	0	0
February	5.1	W.	45	SW.	1	1	2	9	8	7	8	18	5	0	12	11	6	5	5	3	0	0	0	0	28	0	0
March	6.4	W.	27	SW.	0	4	1	6	3	0	18	24	5	1	15	15	1	2	2	2	0	0	0	0	27	0	0
April	6.8	W.	25	W.	0	2	9	5	1	2	11	26	4	0	19	6	5	3	1	1	0	0	0	0	14	1	0
May	7.5	W.	36	S.	0	3	4	1	2	6	10	20	16	0	14	11	6	7	7	1	0	0	0	0	9	0	0
June	6.3	W.	32	SW.	0	4	1	4	1	1	10	33	5	1	17	10	3	3	2	1	0	0	0	1	0	4	0
July	5.3	W.	36	SW.	0	1	0	5	4	3	14	35	0	0	22	8	1	4	3	0	1	0	0	20	0	7	0
August	5.4	W.	27	S.	0	1	1	4	4	5	18	25	3	1	25	5	1	3	3	0	0	0	0	9	0	4	0
September	4.4	W.	25	W.	0	1	5	6	3	2	15	26	2	0	16	8	6	5	4	0	0	0	0	2	4	2	1
October	5.3	W.	40	W.	1	4	5	7	5	2	12	23	3	1	19	5	7	3	3	1	0	0	0	0	13	0	0
November	3.5	SW.	26	SW.	0	1	4	6	7	1	21	13	5	2	16	9	5	2	2	1	0	0	0	0	26	0	0
December	2.7	W.	22	W.	0	1	1	4	9	11	9	20	5	2	13	8	10	3	2	2	0	1	6	0	31	0	0
Year	5.2	W.	45	SW.	2	28	42	62	55	44	157	279	55	10	196	106	64	50	40	18	1	2	6	32	178	18	1

RICHMOND, VA.

[H=144 ft.; h_t=145 ft.; h_r=138 ft.; h_a=153 ft.]

January	9.8	S.	48	S.	3	9	7	5	6	17	4	5	8	1	13	7	11	9	7	3	0	0	2	0	22	0	0
February	9.1	W.	49	S.	2	7	10	6	4	5	7	12	7	0	9	11	9	10	9	4	0	1	3	0	22	0	0
March	9.0	S.	52	NW.	1	6	6	7	8	21	2	2	10	0	8	12	11	13	11	3	0	0	0	0	4	0	0
April	10.1	S.	40	SW.	1	7	6	2	10	18	7	2	8	0	16	5	9	12	11	0	0	0	0	0	1	4	0
May	8.3	S.	52	SW.	1	3	13	0	11	14	12	4	5	0	12	12	7	14	12	0	2	0	0	0	0	6	1
June	6.6	SE.	32	NW.	0	5	12	2	13	8	8	2	10	0	16	8	6	9	8	0	0	0	0	0	0	4	0
July	7.9	NE.	37	S.	0	9	16	1	6	14	13	1	2	0	13	10	8	16	14	0	0	0	0	15	0	12	0
August	7.1	S.	36	NW.	0	11	14	2	8	16	5	1	5	0	12	8	11	14	12	0	0	0	0	8	0	6	0
September	5.7	N.	28	S.	0	13	9	3	10	5	7	3	8	2	13	7	10	6	5	0	0	4	0	0	0	1	0
October	6.9	N.	26	N.	0	15	14	5	5	4	7	2	6	4	15	8	8	6	5	0	0	5	0	0	0	1	0
November	7.9	S.	36	SW.	0	4	5	0	10	20	8	4	9	0	16	8	6	2	2	0	0	5	0	0	4	0	0
December	7.4	S.	33	SW.	0	7	9	0	8	16	8	3	9	2	12	5	14	12	8	1	0	0	0	0	16	0	0
Year	8.0	S.	52	SW.	8	96	121	33	99	158	88	41	87	9	155	101	110	123	104	11	2	15	5	30	69	34	1

ROCHESTER, N. Y.

[H=523 ft.; h_t=86 ft.; h_r=77 ft.; h_a=102 ft.]

January	10.9	SW.	36	W.	0	5	2	2	3	5	19	18	8	0	3	7	21	18	9	16	0	0	11	0	30	0	0
February	10.9	W.	44	SW.	1	0	1	4	8	10	10	17	8	0	2	9	18	18	10	15	0	1	20	0	27	0	0
March	10.1	W.	36	SW.	0	1	1	5	6	8	11	17	13	0	3	7	21	16	12	11	0	0	5	0	23	3	0
April	11.6	W.	46	W.	2	4	5	4	3	9	11	16	8	0	7	9	14	15	12	5	0	1	2	0	15	1	0
May	9.3	W.	45	W.	1	2	7	6	9	8	11	13	6	0	8	10	13	17	12	1	1	0	0	1	1	6	0
June	7.4	SW.	34	W.	0	2	4	5	5	7	12	19	6	0	15	10	5	9	7	0	0	0	0	1	0	5	0
July	6.7	SW.	29	SW.	0	3	8	4	2	4	17	17	7	0	15	8	8	10	8	0	0	0	0	4	0	7	0
August	6.6	SW.	34	W.	0	1	3	5	5	9	21	13	4	1	15	11	5	5	5	0	0	1	0	1	0	5	0
September	6.5	SW.	32	W.	0	1	5	4	3	11	22	7	5	2	20	6	4	5	5	0	0	1	0	0	0	3	1
October	7.2	SW.	26	NW.	0	2	2	6	10	11	13	9	9	0	13	8	10	11	7	2	0	0	0	0	0	1	0
November	10.8	W.	36	W.	0	1	0	0	1	12	24	15	7	0	4	10	16	12	8	5	0	0	0	0	14	0	0
December	11.0	W.	40	W.	1	1	1	3	5	11	16	22	3	0	3	8	20	14	9	10	0	0	10	0	30	0	0
Year	9.1	{SW. W.	46	W.	5	23	39	48	60	105	187	183	84	3	108	103	155	150	104	65	1	4	48	7	140	31	1

ROSEBURG, OREG.

[H=510 ft.; h_t=9 ft.; h_r=4 ft.; h_a=57 ft.]

January	2.3	S.	19	SE.	0	3	6	3	10	13	5	5	14	3	5	15	11	14	12	0	0	9	0	0	5	0	0
February	2.8	S.	18	SE.	0	5	4	6	10	7	7	6	9	4	8	12	9	17	12	0	0	5	0	0	12	0	0
March	3.2	S.	30	SW.	0	3	2	4	8	12	13	8	9	3	7	11	13	15	13	1	1	1	0	0	12	0	0
April	4.0	NW.	20	SW.	0	11	9	5	2	5	2	8	14	4	15	6	9	8	4	0	0	1	0	0	4	0	0
May	4.1	NW.	21	SW.	0	6	6	9	2	6	11	1	18	3	4	15	12	16	11	0	1	0	0	0	0	0	0
June	3.7	NW.	16	NW.	0	8	4	3	0	2	5	4	22	12	13	7	10	10	7	0	0	0	0	0	2	0	0
July	4.0	NW.	18	NW.	0	8	13	4	1	1	0	3	25	7	21	10	0	2	0	0	0	0	0	13	0	1	0
August	3.4	NW.	18	NW.	0	20	5	2	0	2	0	1	19	13	22	7	2	4	3	0	0	0	0	10	0	0	0
September	3.0	NW.	17	NW.	0	23	3	3	0	5	1	2	12	11	20	8	2	6	2	0	0	0	0	4	2	0	0
October	2.5	NW.	20	N.	0	9	5	2	2	12	2	6	17	7	10	9	12	14	12	0	0	0	10	0	0	0	0
November	2.4	S.	18	S.	0	7	9	6	6	7	8	5	9	3	1	15	14	11	9	0	0	0	11	0	0	3	0
December	2.2	E.	17	SW.	0	7	4	13	4	8	3	4	18	1	1	10	20	14	11	0	0	1	1	0	11	0	0
Year	3.1	NW.	30	SW.	0	110	70	60	45	80	57	53	186	71	127	125	114	131	96	1	2	38	1	29	49	1	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

ROSWELL, N. MEX.

[ϕ=33° 24′ N.; λ=104° 27′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	26.406	26.778	26.042	27.2	48.8	57.2	24.4	40.8	71	13	23	26	83	43	0.120	0.145	0.26	0.18	3.1	4.1	4.1
February	26.371	26.754	25.988	31.4	53.4	59.0	27.9	43.4	80	12	25	25	78	34	.137	.138	.28	.21	4.1	4.9	5.7
March	26.350	26.847	26.042	41.5	69.6	74.9	39.1	57.0	91	23	28	32	61	28	.156	.186	.01	.01	4.1	5.7	4.8
April	26.306	26.567	25.933	45.9	68.9	73.7	44.1	58.9	87	34	36	39	73	39	.220	.246	1.29	.67	4.7	5.1	5.1
May	26.205	26.534	25.912	50.6	78.6	83.3	48.9	66.1	93	36	35	34	58	23	.209	.207	.07	.03	3.7	3.9	3.9
June	26.275	26.710	25.984	59.3	87.8	92.8	58.0	75.4	101	47	44	47	60	30	.317	.357	.68	.26	1.7	3.3	2.8
July	26.432	26.669	26.209	63.6	81.2	87.0	63.2	75.1	96	57	60	59	88	51	.517	.517	2.16	.47	6.0	6.2	5.5
August	26.394	26.600	26.170	63.8	81.2	86.9	63.4	75.2	95	60	62	63	93	56	.546	.584	2.87	1.50	5.7	5.0	4.5
September	26.426	26.662	26.090	52.6	76.7	83.7	51.9	67.8	92	33	49	54	88	47	.357	.430	1.29	1.12	2.7	2.6	2.7
October	26.380	26.728	25.987	41.1	66.4	75.3	38.4	56.8	87	23	34	37	76	36	.202	.233	T.	T.	2.2	2.6	2.4
November	26.432	26.834	25.892	31.9	52.7	62.2	28.4	45.3	76	14	23	30	71	46	.124	.165	.70	.65	2.0	4.3	4.0
December	26.436	26.798	26.111	29.3	48.3	57.3	25.9	41.6	76	14	24	27	80	47	.127	.149	.01	.01	4.2	5.1	5.3
Year	26.368	26.847	25.892	44.8	67.8	74.4	42.8	58.6	101	12	37	39	76	40	.253	.280	9.62	1.50	3.7	4.4	4.2

SACRAMENTO, CAL.

[ϕ=38° 35′ N.; λ=121° 30′ W.]

January	30.042	30.385	29.540	44.0	51.3	53.1	41.9	47.5	61	34	42	46	93	83	0.271	0.312	3.84	1.57	4.3	7.1	7.2
February	30.006	30.362	29.567	44.0	54.3	56.2	42.3	49.2	68	38	41	45	89	73	.257	.306	2.75	.91	4.6	4.6	5.3
March	30.049	30.370	29.746	47.5	64.4	65.9	45.0	55.4	78	37	41	43	79	47	.259	.283	.42	.30	1.6	2.7	2.8
April	29.927	30.170	29.695	50.7	70.9	72.9	49.0	61.0	87	42	42	45	75	42	.274	.303	.08	.05	2.0	2.3	2.1
May	29.884	30.142	29.679	51.4	70.3	72.1	49.9	61.0	89	41	43	47	74	46	.277	.329	.54	.19	1.7	3.2	2.4
June	29.832	29.952	29.573	53.8	79.3	80.9	53.4	67.2	98	46	45	48	74	36	.297	.346	T.	T.	.6	1.4	.9
July	29.794	29.916	29.651	59.7	90.0	92.6	59.1	75.8	103	54	52	57	76	34	.382	.480	T.	T.	1.0	.8	.5
August	29.796	29.919	29.627	57.1	84.7	86.9	56.0	71.4	103	50	49	53	75	36	.344	.418	.00	.00	.9	.2	.3
September	29.850	29.988	29.547	59.3	83.2	85.6	56.8	71.2	100	50	46	47	64	30	.315	.331	.05	.05	2.1	2.7	2.4
October	29.929	30.082	29.591	51.4	70.6	72.9	48.5	60.7	89	41	42	43	72	40	.278	.291	.26	.12	1.4	2.5	2.3
November	29.999	30.173	29.705	46.2	63.0	65.7	42.7	54.2	79	32	42	45	85	55	.267	.307	1.23	.69	2.4	4.2	3.8
December	30.094	30.353	29.808	39.2	46.2	47.5	36.7	42.1	61	28	37	40	91	80	.221	.252	2.04	.57	6.1	5.7	7.1
Year	29.394	30.385	29.540	50.4	69.0	71.0	48.4	59.7	103	28	44	47	79	50	.287	.330	11.21	1.57	2.4	3.1	3.1

ST. LOUIS, MO.

[ϕ=38° 38′ N.; λ=90° 12′ W.]

January	29.445	30.012	28.748	29.8	37.0	42.0	26.0	34.0	61	9	23	27	76	68	0.130	0.155	2.08	1.05	4.4	4.4	4.7
February	29.454	29.902	28.798	30.4	37.1	41.7	26.9	34.3	62	6	26	28	81	69	.152	.165	3.39	1.13	5.5	5.0	5.7
March	29.422	30.040	28.958	44.0	53.4	59.1	40.4	49.8	79	28	36	39	75	61	.224	.250	3.43	1.56	6.7	5.9	5.7
April	29.344	29.734	28.585	51.0	59.3	65.1	47.1	56.1	82	29	42	43	72	58	.291	.299	3.84	1.14	5.5	7.1	6.1
May	29.260	29.574	29.043	61.2	69.6	75.3	58.5	66.9	89	38	55	59	82	70	.466	.521	7.72	2.21	5.1	6.1	5.0
June	29.401	29.654	29.209	68.2	76.9	80.9	65.4	73.2	92	52	60	63	76	64	.542	.589	3.02	.94	4.7	5.2	5.1
July	29.435	29.648	29.170	72.2	81.1	85.4	70.0	77.7	92	61	65	66	80	61	.628	.643	4.24	1.31	3.8	4.4	5.0
August	29.390	29.595	29.224	70.7	81.4	86.3	68.7	77.5	98	59	63	63	77	56	.583	.596	1.55	.92	4.0	4.2	5.5
September	29.450	29.686	29.231	66.1	77.4	82.5	64.2	73.4	90	38	57	55	74	48	.487	.450	1.24	.93	3.1	3.3	4.2
October	29.488	29.868	29.135	50.1	61.8	67.3	48.4	57.8	84	35	41	41	72	49	.268	.276	.21	.18	2.6	3.0	4.2
November	29.445	29.912	28.992	42.6	52.0	57.3	39.9	48.6	73	21	34	36	72	58	.207	.229	2.33	1.00	4.4	3.7	4.9
December	29.488	30.080	29.093	33.9	41.8	47.4	30.4	38.9	72	14	27	27	74	57	.154	.159	.64	.52	3.6	4.2	5.2
Year	29.418	30.080	28.585	51.7	60.7	65.9	48.8	57.4	98	6	44	46	76	60	.344	.361	34.19	2.21	4.4	4.7	5.1

ST. PAUL, MINN.

[ϕ=44° 58′ N.; λ=93° 3′ W.]

January	29.088	29.723	28.565	14.4	23.2	29.9	9.4	19.6	49	−24	10	13	80	64	0.070	0.084	0.52	0.36	3.8	3.4	6.0
February	29.142	29.675	28.596	16.9	25.3	28.6	14.1	21.4	51	−10	11	15	77	64	.079	.092	.87	.36	6.0	4.4	6.1
March	29.093	29.667	28.404	24.4	34.0	37.5	21.8	29.6	62	− 4	18	23	76	63	.105	.130	1.16	.68	5.4	5.8	5.6
April	28.975	29.627	28.105	39.2	52.7	57.3	37.4	47.4	80	16	31	33	71	51	.183	.209	4.23	1.59	4.2	3.9	4.1
May	28.968	29.365	28.449	51.1	61.1	65.1	47.6	56.4	83	28	44	44	78	57	.313	.310	7.57	1.89	5.5	5.2	6.0
June	29.037	29.448	28.604	60.1	69.3	72.2	57.0	64.6	85	45	53	55	78	61	.419	.445	5.14	1.41	5.1	5.0	4.9
July	29.143	29.449	28.758	65.9	76.8	81.0	63.3	72.2	93	49	59	60	80	56	.518	.536	2.94	1.48	3.3	3.5	3.5
August	29.104	29.346	28.851	60.7	74.0	78.2	58.7	68.4	90	46	55	54	83	51	.446	.427	1.07	.73	3.8	3.8	3.4
September	29.105	29.408	28.836	58.9	71.6	78.0	56.3	67.2	96	30	52	52	80	51	.412	.403	3.96	2.43	3.0	3.2	2.9
October	29.129	29.496	28.583	43.3	51.6	57.5	40.9	49.2	79	24	36	37	76	60	.219	.233	2.19	.65	4.7	4.4	4.9
November	29.038	29.546	28.334	32.1	37.4	43.8	28.1	36.0	61	4	27	28	80	69	.149	.163	.67	.28	5.8	4.8	5.8
December	29.079	29.613	28.590	18.1	22.5	28.8	12.2	20.5	46	− 9	13	15	79	71	.082	.091	1.28	1.00	5.7	5.3	5.1
Year	29.075	29.723	28.105	40.4	50.0	54.8	37.2	46.0	96	−24	34	36	78	60	.250	.260	31.60	2.43	4.7	4.4	4.9

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

ROSWELL, N. MEX.

[H=3,578 ft.; h_t=9 ft.; h_r=4 ft.; h_a=57 ft.]

Month.	Wind.														Number of days.												
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.					Maximum temp.		Minimum temperature 32° or below.	Electricity.	
	Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over	Snow.	Hail.	Dense fog.	32° or below.	90° or above.		Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	6.0	N.	38	NW.	0	13	4	1	5	14	5	8	12	0	16	7	8	2	2	0	0	0	0	0	29	0	0
February	7.3	S.	38	NW.	0	12	6	3	4	16	3	6	8	0	8	11	10	3	2	1	1	0	0	0	21	1	0
March	7.8	SW.	42	SW.	1	7	9	5	6	6	8	13	8	0	12	13	6	1	0	0	0	0	0	1	4	0	0
April	7.0	S.	40	NE.	1	14	2	5	9	8	10	6	6	0	10	11	9	7	7	0	1	1	0	0	0	4	0
May	7.4	SW.	32	W.	0	4	4	3	9	10	12	12	8	0	14	13	4	4	0	0	0	0	0	6	0	2	0
June	6.3	S.	28	SE.	0	7	6	5	11	8	11	11	1	0	19	9	2	7	5	0	1	0	0	23	0	4	0
July	5.0	SE.	42	N.	1	8	6	8	21	11	5	0	1	2	6	21	4	12	9	0	0	0	0	11	0	11	0
August	4.1	SE.	27	NW.	0	1	6	8	24	7	6	4	6	0	11	17	3	9	9	0	0	0	0	5	0	9	0
September	4.3	SE.	26	SW.	0	5	4	0	21	7	3	5	14	1	22	6	2	3	2	0	0	0	0	2	0	2	0
October	6.3	S.	32	SE.	0	13	4	1	14	14	7	3	6	0	21	9	1	0	0	0	0	0	0	0	10	0	0
November	5.6	N.	36	SW.	0	13	1	4	9	11	3	6	13	0	15	10	5	2	3	2	0	0	0	0	23	0	0
December	5.6	NW.	34	NW.	0	10	3	2	11	7	2	13	14	0	9	15	7	1	0	0	0	0	0	0	26	0	0
Year	6.1	S.	42	SW.	3	107	55	45	144	119	75	87	97	3	163	142	61	52	39	3	3	1	0	48	113	33	0

SACRAMENTO, CAL.

[H=69 ft.; H_t=106 ft.; h_r=100 ft., h_a=117 ft.]

January	6.4	SE.	34	SW.	0	11	3	6	29	8	1	1	3	0	5	9	17	14	12	0	0	5	0	0	0	0	0
February	8.7	SE.	31	SE.	0	5	4	6	21	9	3	1	8	1	8	12	9	9	8	0	0	0	0	0	0	0	0
March	8.1	SE.	33	NW.	0	8	4	1	14	9	3	5	18	0	20	11	0	3	3	0	0	0	0	0	0	1	0
April	10.0	S.	36	NW.	0	6	1	2	11	14	11	1	13	1	22	6	2	3	0	0	0	0	0	0	0	0	0
May	10.0	NW.	29	NW.	0	2	0	2	8	15	10	1	24	0	23	6	2	5	4	0	0	0	0	0	0	0	0
June	9.6	S.	33	SW.	0	3	1	0	17	25	4	1	9	0	26	4	0	0	0	0	0	0	0	6	0	0	0
July	8.6	S.	22	S.	0	1	1	0	17	38	4	0	1	0	30	1	0	0	0	0	0	0	0	21	0	0	0
August	9.3	S.	38	SW.	0	0	1	1	10	44	2	0	4	0	31	0	0	0	0	0	0	0	0	12	0	0	0
September	7.7	S.	24	NW.	0	7	4	0	20	15	2	1	11	0	20	8	2	1	1	0	0	0	0	11	0	1	0
October	8.2	S.	34	NW.	0	10	4	3	17	14	3	1	10	0	23	5	3	3	3	0	0	1	0	0	0	0	0
November	5.6	SE.	27	SE.	0	8	11	4	16	7	3	1	10	0	16	10	4	4	4	0	0	1	0	0	1	0	0
December	5.2	SE.	21	SW.	0	12	9	4	16	4	2	3	11	1	6	7	18	12	7	0	0	10	0	0	6	0	0
Year	8.1	S.	38	SW.	0	73	43	29	196	202	48	16	122	3	230	79	57	54	42	0	0	17	0	50	7	2	0

ST. LOUIS, MO.

[H=567 ft.; h_t=208 ft.; h_r=199 ft.; h_a=217 ft.]

January	13.1	S.	36	NW.	0	7	5	4	5	16	8	6	11	0	15	7	9	7	7	4	0	0	3	0	24	0	0
February	13.4	NW.	44	W.	3	1	2	10	8	9	3	12	13	0	12	5	12	13	11	5	0	1	4	0	21	1	0
March	10.8	S.	35	NW.	0	4	10	10	3	14	8	3	10	0	10	10	11	8	8	1	1	0	0	0	3	3	0
April	11.0	SE.	42	W.	1	4	6	4	13	5	11	10	7	0	9	6	15	16	15	0	0	1	0	0	2	5	0
May	11.2	S.	46	SW.	1	3	6	6	14	9	8	7	9	0	13	9	9	15	13	0	1	0	0	0	0	14	0
June	9.5	SE.	36	NW.	0	7	4	8	14	11	10	0	6	0	14	6	10	10	8	0	0	0	0	4	0	9	0
July	7.4	SE.	26	SW.	0	3	11	4	12	8	12	2	8	2	14	8	9	7	7	0	0	0	0	7	0	9	0
August	7.8	NE.	31	NW.	0	7	16	6	6	11	11	2	2	1	10	10	11	7	6	0	0	0	0	7	0	5	0
September	7.3	S.	30	NW.	0	0	7	8	8	12	7	6	12	0	18	4	8	3	3	0	0	1	0	5	0	3	0
October	9.1	S.	34	SW.	0	7	3	4	9	17	5	5	12	0	15	9	7	3	1	0	0	2	0	0	0	0	0
November	10.4	W.	32	S.	0	2	7	3	8	9	7	16	8	0	13	6	11	9	8	1	0	0	0	0	7	1	0
December	10.8	NW.	38	NW.	0	3	4	2	9	12	9	6	17	0	13	4	14	4	2	1	0	0	3	0	23	0	0
Year	10.2	S.	46	SW.	5	48	81	69	109	133	99	75	115	3	156	84	126	102	89	12	2	5	10	23	80	50	0

ST. PAUL, MINN.

[H=837 ft.; h_t=171 ft.; h_r=163 ft.; h_a=179 ft.]

January	11.1	NW.	46	NW.	3	7	1	2	8	9	13	3	19	0	7	14	10	5	3	5	0	0	15	0	30	0	0
February	13.2	NW.	37	NW.	0	7	2	6	13	3	3	5	19	0	5	16	8	11	6	8	0	0	19	0	27	0	0
March	11.8	NW.	38	N.	0	9	6	5	6	5	10	9	12	0	9	13	9	9	5	8	0	0	11	0	26	0	1
April	13.3	NW.	44	NW.	2	7	4	5	10	9	7	3	15	0	15	8	7	9	7	4	0	0	1	0	11	1	0
May	9.7	N.	39	SE.	0	10	10	10	7	7	8	6	4	0	8	10	13	15	15	0	1	1	0	0	3	7	0
June	12.3	SE.	54	SW.	2	5	1	0	21	15	5	5	8	0	11	11	8	11	9	0	0	0	0	0	0	9	0
July	7.7	N.	43	NW.	1	15	4	3	12	14	8	1	5	0	17	12	2	10	8	0	0	0	0	3	0	5	0
August	8.6	SE.	35	N.	0	11	2	5	14	9	8	3	10	0	15	14	2	6	5	0	0	0	0	1	0	2	0
September	10.7	S.	52	NW.	1	4	1	5	15	17	5	1	12	0	20	7	3	8	7	0	0	0	0	3	1	5	0
October	11.3	S.	36	S.	0	12	2	5	13	11	3	2	14	0	10	14	7	9	8	2	0	0	0	0	6	0	0
November	10.6	W.	43	NW.	1	4	2	4	12	4	11	10	13	0	6	16	8	7	3	2	0	1	5	0	21	0	0
December	11.7	NW.	44	NW.	2	2	4	4	8	7	14	11	12	0	10	14	7	5	4	5	0	0	19	0	30	0	0
Year	11.0	NW.	54	SW.	12	93	39	54	139	110	95	59	143	0	133	149	84	105	80	32	2	2	70	7	155	29	4

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

SALT LAKE CITY, UTAH.

[ϕ=40° 46′ N.; λ=111° 54′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	25.714	26.171	25.355	28.6	33.4	38.2	24.2	31.2	46	11	23	26	78	73	0.121	0.139	0.63	0.22	4.3	5.1	5.5
February	25.629	25.995	25.144	32.6	39.1	43.8	28.6	36.2	62	13	23	25	68	58	.122	.134	1.24	.65	4.5	5.0	4.7
March	25.642	26.120	25.111	36.1	46.6	50.2	31.8	41.0	71	21	25	24	65	44	.133	.130	1.79	.82	3.5	5.1	4.6
April	25.584	25.809	25.234	44.4	60.4	63.6	41.2	52.4	78	25	28	28	52	30	.152	.154	.80	.48	2.7	2.9	2.6
May	25.458	25.735	25.082	46.0	57.3	62.0	41.7	51.8	78	30	33	33	65	47	.192	.194	5.76	1.53	4.7	5.7	5.4
June	25.552	25.873	25.198	52.8	68.1	71.8	49.8	60.8	90	40	40	40	64	40	.251	.257	1.81	.56	3.3	4.5	4.0
July	25.664	25.809	25.476	66.6	84.3	87.4	63.7	75.6	94	58	47	46	51	28	.329	.320	.25	.22	3.5	3.3	3.4
August	25.629	25.925	25.311	62.4	79.1	83.3	58.8	71.0	95	44	46	44	56	31	.318	.296	1.39	.50	3.1	2.7	3.4
September	25.676	25.877	25.299	54.8	71.5	75.4	51.3	63.4	92	32	38	41	54	36	.236	.269	2.72	1.70	2.4	3.8	4.0
October	25.632	25.947	25.121	43.2	51.8	57.8	38.6	48.2	76	28	32	34	66	54	.178	.198	2.07	.84	3.9	5.1	5.9
November	25.716	25.953	25.150	34.5	43.1	49.1	30.4	39.8	63	10	25	30	66	61	.131	.168	1.91	1.30	2.4	4.0	4.7
December	25.697	26.027	25.324	27.1	32.2	37.2	23.0	30.1	49	6	20	25	74	74	.110	.135	.48	.34	4.2	5.8	6.0
Year	25.633	26.171	25.082	44.1	55.6	60.0	40.3	50.1	95	6	32	33	63	48	189	.200	20.85	1.70	3.5	4.4	4.5

SAN ANTONIO, TEX.

[ϕ=29° 27′ N.; λ=98° 28′ W.]

January	29.385	29.714	29.026	47.8	59.1	64.4	44.9	54.6	78	22	38	40	71	53	0.258	0.276	1.01	0.86	4.2	5.3	4.8
February	29.377	29.867	28.978	47.1	60.9	65.9	44.7	55.3	80	27	37	42	69	54	.246	.304	2.42	1.43	4.7	4.8	4.8
March	29.261	29.689	28.955	59.6	73.3	78.4	57.2	67.8	93	43	56	56	87	58	.464	.467	1.31	.60	6.9	5.0	5.2
April	29.189	29.470	28.749	63.5	75.0	80.2	60.2	70.2	92	40	59	59	86	62	.522	.536	2.87	1.49	6.2	5.1	4.8
May	29.110	29.428	28.791	68.5	82.0	86.5	66.0	76.2	95	46	63	64	82	56	.598	.615	6.07	2.78	5.9	4.5	4.3
June	29.176	29.459	28.974	74.7	87.3	92.4	72.9	82.6	97	69	72	67	90	53	.775	.669	.30	.15	4.6	2.8	3.8
July	29.270	29.431	29.074	74.2	85.9	93.6	71.7	82.6	100	68	70	67	87	56	.731	.666	.66	.18	5.0	5.7	4.7
August	29.233	29.380	29.094	73.3	85.5	93.4	72.0	82.7	99	68	70	68	90	60	.743	.699	4.27	1.22	4.4	4.5	5.0
September	29.244	29.546	29.008	67.7	80.5	86.2	66.1	77.2	102	47	65	62	91	56	.635	.569	3.92	1.56	3.6	4.2	4.1
October	29.311	29.595	28.983	57.1	73.7	80.3	55.9	68.1	91	38	53	52	88	48	.443	.408	1.47	.75	3.2	1.7	3.2
November	29.342	29.799	28.861	53.3	67.0	73.3	51.2	62.3	84	32	49	47	85	51	.373	.350	2.61	2.06	4.9	3.4	4.8
December	29.383	29.720	29.024	49.9	60.5	65.7	47.5	56.6	85	33	44	44	80	55	.311	.306	1.61	1.38	5.7	5.6	5.6
Year	29.273	29.867	28.749	61.4	74.2	80.2	59.2	69.7	102	22	56	56	84	55	.508	.489	28.52	2.78	4.9	4.4	4.6

SAN DIEGO, CAL.

[ϕ=32° 43′ N.; λ=117° 10′ W.]

January	29.974	30.151	29.745	52.2	59.8	63.6	50.2	56.9	80	44	40	48	68	68	0.260	0.342	2.80	0.79	5.2	5.6	3.7
February	29.973	30.230	29.683	49.6	58.0	60.1	47.8	54.0	68	37	43	45	80	64	.285	.308	2.41	1.20	5.8	6.6	3.4
March	29.972	30.188	29.762	51.3	61.2	63.6	49.9	56.8	78	42	42	45	74	59	.282	.308	.61	.31	4.5	3.7	2.9
April	29.894	30.050	29.695	54.7	62.8	65.1	53.6	59.4	83	46	49	50	84	65	.358	.368	.35	.35	5.6	3.2	1.9
May	29.857	29.945	29.701	53.9	60.2	62.1	52.8	57.4	68	47	48	50	79	70	.333	.362	.16	.16	7.6	4.3	2.4
June	29.844	29.917	29.747	56.8	62.3	64.2	56.0	60.1	70	50	52	54	85	73	.393	.410	.00	.00	8.4	3.1	1.9
July	29.837	29.931	29.731	63.0	69.0	71.4	62.2	66.8	80	56	59	60	87	74	.499	.527	.00	.00	7.8	2.5	2.9
August	29.822	29.941	29.718	65.2	70.1	71.9	64.1	68.0	79	60	61	62	86	74	.540	.548	.64	.64	8.6	2.9	2.6
September	29.832	29.937	29.680	62.8	69.1	71.9	61.2	66.6	84	52	55	58	79	70	.456	.493	.20	.12	6.6	3.2	2.7
October	29.880	30.017	29.628	56.3	65.3	68.5	54.7	61.6	80	48	44	51	70	63	.316	.386	.15	.14	3.5	2.5	1.7
November	29.953	30.055	29.760	53.6	59.6	63.3	52.4	57.8	76	42	47	50	79	74	.332	.374	1.00	.90	5.6	5.1	4.4
December	29.980	30.163	29.735	48.4	56.7	60.7	46.8	53.8	69	37	38	46	69	68	.237	.313	.27	.13	5.0	5.1	4.1
Year	29.902	30.230	29.628	55.6	62.8	65.5	54.3	59.9	84	37	48	52	78	68	.358	.395	8.59	1.20	6.2	4.0	2.9

SAND KEY, FLA.

[ϕ=24° 27′ N.; λ=81° 53′ W.]

January	30.037	30.198	29.760	68.0	.....	72.4	66.0	69.2	82	53	61	....	78	....	0.547	.....	0.67	0.39	4.8	.....	4.3
February	30.079	30.297	29.842	66.0	.....	70.6	63.3	67.0	81	54	58	....	77	....	.509	.....	.70	.22	4.1	.....	4.0
March	30.079	30.208	29.962	72.9	.....	75.9	70.8	73.4	82	62	66	....	78	....	.632	.....	.47	.28	2.4	.....	2.2
April	29.983	30.115	29.818	78.2	.....	81.2	75.5	78.4	88	70	70	....	76	....	.732	.....	.92	.79	3.6	.....	2.8
May	29.948	30.073	29.835	79.2	.....	81.9	76.2	79.0	91	67	70	....	75	....	.749	.....	1.44	.98	3.1	.....	3.4
June	29.967	30.090	29.885	81.4	.....	85.8	76.7	81.2	92	68	72	....	74	....	.790	.....	3.88	1.19	5.6	.....	6.1
July	29.999	30.089	29.817	82.7	.....	85.2	78.9	82.0	91	67	73	....	72	....	.806	.....	.84	.27	4.7	.....	4.4
August	29.959	30.082	29.885	82.9	.....	86.8	77.5	82.2	94	68	73	....	73	....	.820	.....	4.76	.92	5.8	.....	5.7
September	29.888	30.037	29.696	82.1	.....	85.2	77.3	81.2	90	70	73	....	75	....	.821	.....	3.33	1.40	6.0	.....	5.5
October	29.873	30.054	29.713	77.4	.....	80.6	74.0	77.3	85	66	70	....	77	....	.724	.....	2.90	1.67	5.7	.....	4.9
November	30.014	30.210	29.804	73.4	.....	76.6	71.4	74.0	80	65	66	....	77	....	.642	.....	1.16	.68	4.7	.....	4.0
December	30.045	30.209	29.820	72.4	.....	75.5	70.7	73.1	82	62	64	....	76	....	.611	.....	.24	.18	5.9	.....	4.0
Year	29.989	30.297	29.696	76.4	.....	79.8	73.2	76.5	94	53	68	....	76	....	.699	.....	21.31	1.67	4.7	.....	4.3

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

SALT LAKE CITY, UTAH.

[H=4,366 ft.; h_t=105 ft.; h_r=97 ft.; h_a=110 ft.]

Month.	Wind.														Number of days.													
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	3.9	SE.	32	N.	0	4	3	4	16	10	4	11	9	1	12	7	12	9	5	9	0	1	2	0	30	0	0
February	5.7	SE.	37	NW.	0	6	2	1	19	7	2	7	13	1	10	13	6	7	6	6	0	0	4	0	22	0	0
March	6.9	NW.	37	S.	0	9	5	4	17	1	3	4	19	0	11	14	6	7	4	6	0	0	0	0	22	0	0
April	8.1	NW.	38	N.	0	6	7	5	14	5	3	4	16	0	23	3	4	5	3	1	0	0	0	0	4	3	0
May	7.6	SE.	38	NW.	0	8	6	2	23	6	2	9	6	0	10	10	11	13	13	2	2	0	0	0	1	2	0
June	6.6	SE.	30	SW.	0	10	9	5	15	5	1	4	11	0	15	8	7	12	9	0	1	0	0	1	0	7	0
July	5.9	SE.	38	W.	0	4	10	7	17	5	2	3	14	0	17	13	1	4	1	0	0	0	0	8	0	6	0
August	6.1	SE.	39	NW.	0	5	7	2	13	9	3	3	18	2	17	10	4	9	5	0	1	0	0	8	0	10	1
September	5.4	SE.	38	NW.	0	3	2	7	25	3	1	7	12	0	15	12	3	6	6	0	1	0	0	3	1	5	0
October	5.7	SE.	40	NW.	1	5	2	4	23	4	3	6	15	0	8	11	12	7	7	3	0	1	0	0	9	0	0
November	3.7	SE.	25	NW.	0	3	4	4	23	6	0	6	10	4	13	12	5	5	5	4	0	1	5	0	13	0	0
December	3.4	SE.	38	NW.	0	5	3	9	18	8	6	3	8	2	5	14	12	7	3	4	0	0	7	0	28	0	0
Year	5.8	SE.	40	NW.	1	68	60	54	223	69	30	67	151	10	156	127	83	91	67	35	5	3	18	20	130	33	1

SAN ANTONIO, TEX.

[H=701 ft.; h_t=80 ft.; h_r=72 ft.; h_a=91 ft.]

January	7.8	NE.	47	NW.	2	11	14	5	7	6	2	3	13	1	13	9	9	7	3	0	0	3	0	0	2	0	0
February	8.0	SE.	38	NW.	0	9	13	6	15	2	1	5	7	0	15	5	9	7	6	0	0	2	0	0	2	3	0
March	7.4	SE.	35	N.	0	8	2	7	31	7	4	1	2	0	11	12	8	6	4	0	0	3	0	5	0	3	0
April	7.2	SE.	34	S.	0	3	10	7	23	5	2	1	8	1	9	15	6	7	5	0	0	3	0	2	0	6	0
May	7.9	SE.	30	E.	0	8	4	9	37	2	0	0	2	0	13	13	5	5	4	0	0	1	0	7	0	7	0
June	7.3	SE.	26	NE.	0	0	1	15	44	0	0	0	0	0	16	13	1	4	3	0	0	0	0	22	0	3	0
July	5.5	SE.	27	N.	0	5	8	17	21	2	1	3	2	3	10	19	2	9	7	0	0	0	0	30	0	14	0
August	5.3	SE.	36	NW.	0	6	7	16	21	5	0	4	1	2	7	19	5	10	9	0	0	0	0	26	0	9	0
September	5.6	SE.	40	NE.	1	12	13	17	15	0	1	1	1	0	16	9	5	7	6	0	1	0	0	15	0	5	0
October	6.5	SE.	28	NW.	0	12	10	15	19	3	1	0	2	0	17	9	5	5	4	0	0	0	0	1	0	4	0
November	6.8	SE.	30	N.	0	15	8	5	14	9	6	1	0	2	11	12	7	7	6	0	0	2	0	0	2	1	0
December	7.1	N.	33	N.	0	19	14	5	7	5	7	2	3	0	11	8	12	7	5	0	0	3	0	0	0	2	0
Year	6.9	SE.	47	NW.	3	108	104	124	254	46	25	21	41	9	149	143	74	81	62	0	1	17	0	108	6	57	0

SAN DIEGO, CAL.

[H=87 ft.; h_t=94 ft.; h_r=86 ft.; h_a=102 ft.]

January	5.9	NE.	34	W.	0	8	12	7	4	9	2	10	10	0	24	2	5	10	8	0	0	0	0	0	0	1	0
February	5.9	NW.	35	S.	0	6	6	7	1	4	9	9	16	0	19	6	4	8	6	0	0	1	0	0	0	0	0
March	5.5	NW.	23	SW.	0	6	10	3	2	3	7	16	15	0	23	3	5	6	5	0	0	1	0	0	0	0	0
April	5.9	W.	19	NW.	0	3	9	4	3	4	13	10	14	0	28	1	1	1	1	0	0	3	0	0	0	0	0
May	7.1	W.	28	SW.	0	6	1	5	6	5	8	18	13	0	26	4	1	1	1	0	0	0	0	0	0	0	0
June	6.1	W.	18	NW.	0	5	2	0	3	8	15	18	9	0	28	1	1	0	0	0	0	2	0	0	0	0	0
July	6.1	NW.	22	NW.	0	9	0	0	0	2	13	16	22	0	24	6	1	0	0	0	0	2	0	0	0	1	0
August	6.0	W.	19	W.	0	9	2	0	3	2	17	20	9	0	25	4	2	1	1	0	0	0	0	0	0	1	0
September	6.0	NW.	23	NW.	0	13	1	2	1	3	4	10	25	1	22	6	2	3	2	0	0	3	0	0	0	1	0
October	6.0	NW.	22	NW.	0	6	10	5	0	1	7	8	25	0	26	3	2	3	1	0	0	3	0	0	0	2	0
November	5.2	NW.	31	W.	0	8	11	3	0	5	3	10	20	0	14	8	8	3	2	0	0	3	0	0	0	0	0
December	5.1	NW.	26	W.	0	12	17	3	0	3	2	5	19	1	18	2	11	5	2	0	0	2	0	0	0	0	0
Year	5.9	NW.	35	S.	0	91	81	39	23	49	100	150	197	2	277	46	43	41	29	0	0	20	0	0	0	6	0

SAND KEY, FLA.

[H=25 ft.; h_t=41 ft.; h_r=40 ft.; h_a=71 ft.]

January	16.3	NE.	54	SW.	3	3	13	4	0	2	2	2	5	0	13	13	5	6	5	0	0	0	0	0	0	1	0
February	17.7	NE.	42	W.	1	6	10	0	6	3	0	0	4	0	16	8	5	10	6	0	0	0	0	0	0	0	0
March	14.1	E.	31	E.	0	2	9	14	6	0	0	0	0	0	23	7	1	4	4	0	0	0	0	0	0	0	0
April	11.7	E.	35	W.	0	1	3	10	9	4	1	1	1	0	22	6	2	4	3	0	0	0	0	0	0	3	0
May	12.9	E.	50	SW.	1	2	4	11	2	5	3	3	1	0	18	8	5	5	4	0	0	0	0	1	0	5	0
June	9.2	E.	44	S.	2	0	4	8	9	4	3	2	0	0	4	17	9	14	9	0	0	0	0	0	0	8	0
July	10.9	E.	46	NE.	2	0	1	9	13	1	2	5	0	0	12	14	5	8	6	0	0	0	0	2	0	9	0
August	9.5	SE.	47	E.	3	1	3	8	11	4	2	2	0	0	3	22	6	16	13	0	0	0	0	6	0	15	0
September	11.3	E.	34	NE.	0	2	6	8	7	3	3	0	1	0	3	25	2	16	8	0	0	0	0	2	0	15	0
October	18.1	NE.	51	NE.	1	7	19	1	2	1	0	0	1	0	14	9	8	7	6	0	0	0	0	0	0	4	0
November	17.5	NE.	39	NE.	0	4	16	5	3	1	0	0	1	0	13	15	2	8	6	0	0	0	0	0	0	1	0
December	14.9	NE.	36	NW.	0	6	16	4	3	0	0	1	1	0	15	16	0	3	2	0	0	0	0	0	0	0	0
Year	13.7	NE.	54	SW.	13	34	104	82	71	28	16	16	15	0	156	160	50	101	72	0	0	0	0	15	0	61	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

SANDUSKY, OHIO.

[ϕ=41° 25′ N.; λ=82° 40′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.316	29.845	28.510	25.9	.....	34.2	22.0	28.1	50	9	20	....	78	....	0.112	.....	2.09	0.80	5.5	.....	5.7
February	29.349	30.123	28.444	22.7	.....	32.1	18.8	25.4	54	4	18	....	81	....	.107	.....	3.70	1.31	5.6	.....	6.7
March	29.347	29.964	28.650	35.9	.....	47.9	31.9	39.9	73	23	30	....	80	....	.174	.....	3.61	1.47	6.9	.....	6.3
April	29.253	29.836	28.713	46.2	.....	56.2	40.4	48.3	78	26	37	....	70	....	.236	.....	2.83	.78	5.3	.....	5.3
May	29.213	29.597	28.766	57.6	.....	67.7	53.0	60.4	90	33	50	....	77	....	.387	.....	2.12	.58	5.5	.....	5.7
June	29.374	29.628	29.162	66.9	.....	78.2	61.0	69.6	94	51	57	....	72	....	.487	.....	1.72	.89	3.7	.....	3.3
July	29.378	29.573	29.000	71.2	.....	80.7	66.0	73.4	93	56	62	....	74	....	.567	.....	3.34	.88	4.1	.....	3.9
August	29.352	29.588	29.102	67.5	.....	78.9	62.5	70.7	95	52	58	....	72	....	.490	.....	2.96	1.17	3.1	.....	3.1
September	29.410	29.633	28.953	62.7	.....	77.5	59.3	68.4	90	37	51	....	68	....	.395	.....	.75	.46	1.1	.....	1.4
October	29.467	29.829	29.133	49.6	.....	62.0	47.4	54.7	82	37	38	....	67	....	.240	.....	.97	.71	3.9	.....	4.1
November	29.352	29.774	28.893	37.9	.....	50.2	34.0	42.1	72	19	30	....	72	....	.179	.....	.62	.33	6.1	.....	5.7
December	29.345	29.834	28.861	29.6	.....	38.0	26.5	32.2	52	13	24	....	80	....	.134	.....	1.77	.58	6.6	.....	6.8
Year	29.346	30.123	28.444	47.8	.....	58.6	43.6	51.1	95	4	40	....	74	....	.292	.....	26.48	1.47	4.8	.....	4.8

SAN FRANCISCO, CAL.

[ϕ=37° 48′ N.; λ=122° 26′ W.]

January	29.926	30.247	29.407	47.7	53.2	55.5	46.2	50.8	64	40	44	45	86	75	0.286	0.301	4.88	2.10	4.6	6.1	6.5
February	29.909	30.222	29.493	46.8	53.4	56.4	45.4	50.9	65	40	42	42	84	67	.269	.272	5.39	2.04	4.9	4.8	4.6
March	29.970	30.234	29.709	48.8	57.3	62.5	47.2	54.8	76	40	42	41	80	57	.274	.261	.90	.41	2.5	2.0	2.6
April	29.871	30.110	29.623	51.1	58.7	63.7	49.2	56.4	85	45	44	43	78	60	.292	.278	.22	.10	4.1	2.7	3.4
May	29.848	30.095	29.634	49.6	57.3	62.2	48.5	55.4	79	46	43	44	78	63	.276	.295	.76	.24	2.7	2.6	3.1
June	29.809	29.914	29.593	49.9	57.8	62.1	48.6	55.4	86	46	46	47	87	69	.309	.322	.01	.01	4.9	2.8	3.5
July	29.784	29.890	29.676	52.8	58.4	62.9	51.7	57.3	77	48	51	52	94	79	.373	.383	.02	.02	7.4	2.3	4.5
August	29.784	28.881	29.652	53.0	58.2	62.8	51.9	57.4	80	50	50	51	91	78	.363	.370	.01	.01	7.8	3.5	5.0
September	29.806	29.902	29.518	54.8	61.2	68.0	53.0	60.5	89	50	50	49	86	70	.367	.353	.13	.10	5.2	4.6	4.3
October	29.865	30.011	29.541	53.5	61.0	66.3	51.2	58.8	82	47	46	47	78	64	.319	.326	.61	.44	3.7	3.2	3.9
November	29.912	30.064	29.668	50.8	56.0	61.7	49.2	55.4	74	44	47	47	87	74	.322	.329	1.34	.70	4.7	4.9	6.0
December	29.970	30.215	29.693	44.3	48.9	51.5	42.6	47.0	61	35	40	41	87	76	.253	.263	2.15	.99	5.0	4.6	5.3
Year	29.871	30.247	29.407	50.3	56.8	61.3	48.7	55.0	89	35	45	46	85	69	.309	.313	16.42	2.10	4.8	3.7	4.4

SAN JOSE, CAL.

[ϕ=37° 20′ N.; λ=121° 54′ W.]

January	29.941	30.293	29.433	.....	55.5	58.5	41.1	49.8	66	31	....	46	....	71	.....	0.307	2.63	0.78	.....	6.0	5.7
February	29.930	30.283	29.560	.....	56.0	58.3	40.6	49.4	70	30	....	43	....	62	.....	.280	2.46	.81	.....	5.0	4.9
March	29.985	30.274	29.728	.....	63.1	65.8	39.5	52.6	79	30	....	44	....	53	.....	.300	1.14	.54	.....	2.1	2.6
April	29.888	30.170	29.666	.....	67.0	71.3	42.9	57.1	88	33	....	49	....	57	.....	.359	.23	.15	.....	2.4	2.7
May	29.864	30.122	29.671	.....	64.5	69.2	42.6	55.9	87	37	....	48	....	58	.....	.340	.67	.36	.....	2.7	3.1
June	29.829	29.986	29.594	.....	70.3	74.7	46.2	60.4	96	38	....	50	....	51	.....	.369	.01	.01	.....	.8	2.0
July	29.783	29.929	29.680	.....	77.8	82.4	53.8	68.1	96	49	....	57	....	50	.....	.468	.00	.....	.....	.2	1.5
August	29.795	29.941	29.666	.....	73.4	78.3	52.0	65.2	92	43	....	57	....	57	.....	.462	.00	.....	.....	.4	1.9
September	29.824	29.952	29.593	.....	73.6	78.8	50.2	64.5	94	42	....	54	....	53	.....	.419	.09	.09	.....	3.1	3.5
October	29.886	30.065	29.540	.....	66.8	72.0	43.1	57.6	90	33	....	47	....	52	.....	.333	.19	.14	.....	2.1	2.8
November	29.925	30.088	29.678	.....	60.4	65.3	41.8	53.5	80	30	....	48	....	65	.....	.340	1.11	.56	.....	3.5	4.2
December	29.985	30.243	29.688	.....	50.2	53.2	36.0	44.6	64	25	....	43	....	76	.....	.277	1.54	.78	.....	5.3	5.8
Year	29.886	30.293	29.433	.....	64.9	69.0	44.2	56.6	96	25	....	49	....	59	.....	.354	10.07	0.81	.....	2.8	3.4

SAN JUAN, P. R.

[ϕ=18° 29′ N.; λ=66° 07′ W.]

January	29.929	30.030	29.865	74.1	74.9	81.3	70.2	75.8	85	67	68	68	82	80	0.692	0.697	4.70	1.38	2.2	3.2	3.2
February	29.954	30.051	29.833	73.6	74.3	81.0	69.3	75.2	86	67	66	67	79	79	.652	.670	2.84	.88	4.3	3.5	4.9
March	29.940	30.076	29.828	75.9	74.7	81.1	69.6	75.4	87	64	67	67	74	76	.659	.654	4.44	1.13	4.0	3.2	3.9
April	29.926	30.026	29.865	78.3	76.1	82.4	71.5	77.0	86	70	68	68	70	77	.678	.723	3.56	1.60	2.3	2.3	2.5
May	29.924	30.029	29.870	80.5	77.9	85.0	73.7	79.4	90	71	70	71	71	79	.741	.750	2.63	1.91	4.3	5.1	5.2
June	29.952	30.055	29.893	82.1	79.1	86.5	75.0	80.8	91	71	72	72	72	80	.788	.797	2.67	.83	3.7	2.7	4.5
July	29.951	30.033	29.863	82.1	79.7	87.0	75.1	81.0	90	71	73	73	73	80	.801	.812	5.32	1.61	3.3	3.7	4.3
August	29.914	30.008	29.837	82.3	80.7	87.4	76.0	81.7	91	72	74	74	76	81	.837	.839	4.89	2.36	2.6	2.1	3.6
September	29.840	29.943	29.638	82.0	79.8	87.0	75.0	81.0	91	71	74	74	78	82	.849	.829	8.19	2.45	5.4	4.8	6.0
October	29.825	29.964	29.757	80.4	78.7	86.7	74.1	80.4	92	69	74	73	80	83	.826	.811	3.64	1.00	3.7	4.0	4.9
November	29.857	29.982	29.786	78.3	77.2	83.4	72.6	78.0	88	68	72	72	83	85	.808	.796	8.93	1.87	3.9	5.0	4.5
December	29.877	30.018	29.780	76.8	76.6	81.4	71.7	76.6	83	69	70	70	82	81	.746	.742	5.96	1.09	3.7	4.0	3.9
Year	29.907	30.076	29.638	78.9	77.5	84.2	72.8	78.5	92	64	71	71	77	80	.756	.760	57.77	2.45	3.6	3.6	4.3

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

SANDUSKY, OHIO.

[H=629 ft.; h_t=62 ft.; h_r=55 ft.; h_a=70 ft.]

Month.	Wind.														Number of days.											
	By self-register.				Number of winds, 8 a. m. and 8 p. m.													Precipitation.					Maximum temp.		Minimum temperature 32° or below.	Electricity.	
	Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.		Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	9.8	SW.	35	NW.	0	5	1	1	1	2	11	3	7	0	11	7	13	11	9	9	0	0	11	0	30	0	0
February	10.7	W.	33	NW.	0	2	2	5	1	3	4	9	3	0	7	5	17	15	10	12	0	2	16	0	25	0	0
March	9.5	SW.	40	NW.	1	4	1	5	2	1	12	6	0	0	8	8	15	10	8	1	0	3	4	0	17	5	0
April	10.5	SW.	34	NW.	0	2	3	3	2	3	10	6	1	0	13	3	14	14	7	2	0	0	0	0	3	3	0
May	7.9	E.	39	NW.	0	1	3	6	4	3	7	5	2	0	10	6	15	16	11	0	0	0	0	0	0	11	0
June	7.8	SW.	27	N.	0	2	4	3	2	4	9	5	1	0	18	7	5	11	5	0	0	0	0	3	0	7	0
July	6.9	NE.	30	NW.	0	0	5	4	2	3	11	5	1	0	13	12	6	10	9	0	0	0	0	2	0	10	0
August	7.2	NE.	30	NW.	0	4	2	3	1	6	11	4	0	0	18	9	4	8	7	0	0	0	0	4	0	6	0
September	6.7	S.	33	NE.	0	1	1	3	1	8	12	4	0	0	23	6	1	3	3	0	0	2	0	0	0	3	3
October	7.8	S.	23	NW.	0	4	3	3	3	8	6	3	1	0	16	6	9	5	4	0	0	0	0	0	0	0	0
November	9.0	SW.	31	N.	0	2	1	0	2	4	12	8	1	0	8	10	12	8	4	2	0	2	1	0	13	1	0
December	9.9	W.	31	W.	0	0	1	1	3	2	13	11	0	0	3	14	14	10	8	3	0	1	5	0	27	0	0
Year	8.6	SW.	40	NW.	1	27	27	37	24	47	118	69	17	0	148	93	125	121	85	29	0	10	37	9	115	46	3

SAN FRANCISCO, CAL.

[H=155 ft.; h_t=200 ft.; h_r=191 ft.; h_a=204 ft.]

January	5.6	S.	28	S.	0	6	7	8	6	14	2	7	12	0	5	11	15	16	12	0	0	2	0	0	0	0
February	6.4	W.	31	SW.	0	5	10	2	0	8	5	17	11	0	11	12	6	9	9	0	2	3	0	0	0	1	0
March	6.2	W.	27	NE.	0	8	3	1	1	2	8	32	7	0	20	10	1	8	5	0	2	0	0	0	0	0	0
April	8.1	W.	29	SW.	0	2	2	0	1	4	16	27	8	0	17	10	3	4	3	0	0	0	0	0	0	0	0
May	8.8	W.	27	SW.	0	1	0	1	0	1	8	42	9	0	17	12	2	6	4	0	0	0	0	0	0	0	0
June	10.7	W.	30	W.	0	0	0	0	0	1	15	39	2	3	16	9	5	1	0	0	0	0	0	0	0	0	0
July	11.8	W.	34	SW.	0	0	0	0	0	0	18	44	0	0	11	17	3	1	0	0	0	4	0	0	0	0	0
August	11.1	W.	33	SW.	0	0	0	0	0	1	27	34	0	0	11	10	10	1	0	0	0	1	0	0	0	0	0
September	8.7	W.	30	W.	0	1	1	0	0	2	11	38	4	3	13	12	5	4	2	0	0	2	0	0	0	0	0
October	7.3	W.	32	NE.	0	8	3	1	0	2	10	31	6	1	16	7	8	5	5	0	0	1	0	0	0	0	0
November	5.7	W.	32	SE.	0	4	4	3	1	5	8	23	10	2	7	12	11	4	3	0	1	8	0	0	0	0	0
December	5.1	NE.	22	SW.	0	12	12	6	5	7	1	5	14	0	11	10	10	11	8	0	0	6	0	0	0	0	0
Year	8.0	W.	34	SW.	0	47	42	22	14	47	129	339	83	9	155	132	79	70	51	0	5	27	0	0	0	1	0

SAN JOSE, CAL.

[H=141 ft.; h_t=12 ft.; h_r=3 ft.; h_a=110 ft.]

January	5.1	SE.	27	NW.	0	2	0	0	10	3	0	11	5	0	8	10	13	15	9	0	0	4	0	0	1	0	0
February	5.9	NW.	36	SE.	0	1	0	0	4	3	0	7	14	0	11	9	9	12	6	0	0	3	0	0	2	0	0
March	6.1	NW.	36	N.	0	1	0	1	0	1	0	8	20	0	23	4	4	7	4	0	0	5	0	0	1	0	0
April	6.6	NW.	30	NW.	0	1	0	0	0	1	1	3	24	0	20	7	3	4	2	0	0	1	0	0	0	0	0
May	7.6	NW.	31	SE.	0	0	0	0	0	0	2	2	27	0	20	10	1	7	5	0	0	0	0	0	0	0	0
June	6.8	NW.	34	W.	0	0	0	0	0	0	0	1	29	0	27	2	1	1	0	0	0	1	0	2	0	0	0
July	6.0	NW.	24	SE.	0	0	0	0	0	0	0	2	29	0	30	1	0	0	0	0	0	4	0	3	0	0	0
August	5.6	NW.	36	SW.	0	0	0	0	0	0	0	1	30	0	29	2	0	0	0	0	0	6	0	2	0	0	0
September	4.9	NW.	20	NW.	0	0	0	0	0	1	0	0	5	24	0	18	8	4	2	2	0	0	4	0	3	0	0	0
October	5.4	NW.	34	NW.	0	0	0	0	0	0	2	5	24	0	20	8	3	3	2	0	0	3	0	0	0	0	0
November	4.6	SE.	26	W.	0	1	0	0	1	1	2	8	17	0	13	11	6	5	4	0	0	12	0	0	2	0	0
December	4.4	SE.	24	SE.	0	1	2	0	5	0	3	11	8	1	8	9	14	8	6	0	0	10	0	0	7	0	0
Year	5.8	NW.	36	SE.	0	7	2	1	21	9	10	64	251	1	227	81	58	64	40	0	0	53	0	10	13	0	0

SAN JUAN, P. R.

[H=82 ft.; h_t=48 ft.; h_r=40 ft.; h_a=90 ft.]

January	8.7	E.	34	NE.	0	1	7	17	19	14	2	0	1	1	17	13	1	22	15	0	0	0	0	0	0	0	0
February	10.0	E.	31	E.	0	0	11	18	16	12	1	0	0	0	9	14	6	18	15	0	0	0	0	0	0	1	0
March	14.1	E.	44	NW.	1	4	6	32	13	2	1	1	3	0	14	17	0	23	20	0	0	0	0	0	0	1	0
April	12.4	E.	30	E.	0	0	1	42	14	3	0	0	0	0	22	7	1	16	10	0	0	0	0	0	0	0	0
May	10.8	SE.	33	SE.	0	0	2	33	21	5	0	0	0	1	8	15	8	9	7	0	0	0	0	0	0	4	0
June	10.9	SE.	50	SE.	1	0	3	32	24	1	0	0	0	0	14	10	6	15	13	0	0	0	0	0	0	9	0
July	10.9	SE.	37	SE.	0	0	4	27	25	4	2	0	0	0	12	17	2	18	16	0	0	0	0	0	0	9	0
August	10.3	E.	32	SE.	0	1	4	22	21	2	0	1	0	1	19	6	6	17	13	0	0	0	0	0	0	6	0
September	11.1	SE.	40	NW.	1	0	7	14	32	2	2	1	0	2	5	17	8	16	13	0	0	0	0	0	0	10	0
October	8.3	SE.	42	SE.	1	0	4	4	32	11	9	0	1	1	10	14	7	10	8	0	0	0	0	0	0	5	0
November	8.9	E.	33	NE.	0	0	12	12	23	10	3	0	0	0	14	10	6	25	21	0	0	0	0	0	0	5	0
December	11.8	E.	35	NE.	0	4	18	20	8	2	5	2	3	0	16	11	4	27	22	0	0	0	0	0	0	0	0
Year	10.7	E.	50	SE.	4	10	79	283	248	68	25	5	8	6	160	151	55	216	173	0	0	0	0	15	0	50	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

SAN LUIS OBISPO, CAL.

[ϕ=35° 18′ N.; λ=120° 39′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.883	30.155	29.510	46.1	57.8	62.1	42.5	52.3	76	34	40	45	82	66	0.255	0.307	6.69	2.47	4.1	5.4	6.0
February	29.876	30.146	29.545	43.6	55.3	59.7	40.8	50.2	79	32	39	44	84	70	.242	.296	3.59	1.31	5.2	6.1	6.1
March	29.899	30.138	29.660	48.5	62.9	69.2	44.0	56.6	84	34	40	45	74	56	.255	.303	.79	.39	1.8	2.6	2.8
April	29.816	30.025	29.550	49.3	63.0	69.7	45.4	57.6	89	34	42	46	80	58	.274	.319	.14	.09	2.3	2.2	3.2
May	29.802	29.995	29.595	46.1	58.9	66.5	44.0	55.2	86	36	41	45	83	62	.259	.304	.21	.19	3.6	1.4	2.8
June	29.770	29.826	29.640	50.6	63.2	70.5	47.0	58.8	92	38	44	47	82	58	.287	.326	.00	.00	4.9	1.1	3.0
July	29.756	29.844	29.620	51.8	72.2	77.0	51.3	64.2	87	45	49	53	90	52	.349	.408	.00	.00	7.2	.4	2.9
August	29.742	29.843	29.638	53.7	69.3	75.7	52.4	64.0	96	45	51	54	91	59	.374	.423	.00	.00	6.5	.1	2.5
September	29.765	29.883	29.540	53.5	67.0	75.8	50.7	63.2	94	45	49	50	87	60	.354	.372	.84	.53	4.5	2.3	4.0
October	29.809	29.954	29.493	48.0	64.2	72.2	44.8	58.5	90	38	43	47	84	58	.284	.329	.59	.49	2.0	2.0	2.7
November	29.873	30.004	29.650	43.9	59.3	66.2	41.9	54.0	85	30	42	47	91	66	.267	.334	.73	.52	2.3	4.3	5.5
December	29.905	30.110	29.605	45.5	57.4	61.4	41.0	51.2	73	28	37	41	76	58	.229	.265	1.70	.52	2.1	4.2	4.4
Year	29.825	30.155	29.493	48.4	62.5	68.8	45.5	57.2	96	28	43	47	84	60	.286	.332	15.28	2.47	3.9	2.7	3.8

SANTA FE, N. MEX.

[ϕ=35° 41′ N.; λ=105° 57′ W.]

January	23.257	23.485	22.925	22.9	32.5	41.5	19.4	30.4	50	10	13	20	64	58	0.079	0.107	0.36	0.16	2.5	2.5	3.2
February	23.185	23.466	22.867	26.7	37.5	44.3	22.4	33.4	58	− 1	19	27	70	65	.103	.146	.85	.36	2.9	3.7	3.6
March	23.218	23.505	22.941	32.1	50.7	55.6	29.2	42.4	70	16	21	27	61	42	.111	.147	.28	.16	3.3	4.0	3.3
April	23.187	23.417	22.908	37.6	53.6	58.7	34.5	46.6	68	24	27	32	66	48	.151	.188	1.85	.92	3.0	5.2	3.7
May	23.126	23.407	22.808	44.5	60.1	63.9	38.2	51.0	76	28	24	23	46	28	.130	.126	2.10	.94	1.9	4.4	3.0
June	23.255	23.571	22.979	55.6	74.6	77.5	48.6	63.0	83	38	29	24	37	16	.168	.138	.60	.58	.9	2.9	1.8
July	23.389	23.561	23.240	57.9	70.5	77.5	54.3	65.9	85	47	48	48	70	48	.335	.337	2.14	.46	3.0	8.2	5.3
August	23.365	23.500	23.217	56.7	70.3	77.2	54.8	66.0	86	50	50	49	79	50	.364	.353	2.74	.76	4.3	5.4	4.2
September	23.372	23.555	23.102	50.8	68.6	74.0	48.4	61.2	85	21	34	35	53	31	.201	.213	.07	.05	1.4	2.6	2.3
October	23.278	23.567	22.954	37.3	51.7	58.8	34.1	46.4	71	21	24	26	58	39	.127	.140	.56	.27	2.3	1.5	2.3
November	23.272	23.530	22.793	28.8	37.1	48.3	24.8	36.6	65	9	15	18	57	49	.085	.098	1.14	.92	2.8	3.2	3.4
December	23.265	23.523	23.027	24.2	31.2	41.6	19.7	30.6	52	7	16	22	67	68	.089	.118	.10	.05	2.6	3.1	2.8
Year	23.264	23.571	22.793	39.6	53.2	59.9	35.7	47.8	86	− 1	27	29	61	45	.162	.176	12.79	0.94	2.6	3.9	3.2

SAULT STE. MARIE, MICH.

[ϕ=46° 30′ N.; λ=84° 21′ W.]

January	29.230	29.799	28.717	13.6	19.5	25.0	7.4	16.2	46	−25	9	15	80	82	0.074	0.092	0.89	0.21	6.7	7.7	7.4
February	29.340	30.174	28.752	8.0	14.6	20.2	3.7	12.0	41	−21	5	10	85	81	.060	.074	2.64	.81	7.0	6.2	7.7
March	29.319	29.875	28.591	18.1	24.3	30.8	14.0	22.4	48	− 4	14	19	84	78	.087	.105	.95	.24	7.4	7.0	7.5
April	29.210	30.001	28.526	30.8	36.7	43.5	27.4	35.4	66	5	26	28	83	72	.148	.160	2.31	.69	6.6	6.5	6.7
May	29.243	29.722	28.767	48.1	53.6	60.2	41.3	50.8	79	30	41	43	78	69	.269	.293	2.76	.89	7.1	6.7	7.2
June	29.316	29.574	28.905	56.7	62.8	71.4	47.7	59.6	82	36	50	51	80	67	.378	.388	2.18	.63	4.8	5.4	4.7
July	29.368	29.659	28.943	60.2	66.1	73.9	54.0	64.0	92	45	56	56	87	70	.452	.450	3.46	.75	5.6	4.7	5.3
August	29.324	29.664	29.028	58.3	63.9	71.0	53.6	62.3	89	42	54	54	87	71	.430	.426	2.29	1.18	5.6	3.8	5.5
September	29.349	29.744	28.797	54.2	61.7	71.9	50.1	61.0	84	36	51	53	90	74	.384	.418	1.71	.59	4.9	3.1	4.3
October	29.431	29.797	29.056	42.9	48.5	55.9	40.9	48.4	77	23	39	42	86	79	.244	.279	1.27	.82	7.9	6.3	7.4
November	29.197	29.766	28.592	33.3	36.5	41.5	29.6	35.6	54	16	30	32	87	83	.171	.183	2.94	.71	7.8	8.1	9.0
December	29.230	29.689	28.703	19.3	22.4	27.5	15.3	21.4	40	− 2	16	19	86	86	.091	.103	2.66	.80	9.4	9.7	9.6
Year	29.296	30.174	28.526	37.6	42.6	49.4	32.1	40.8	92	−25	33	35	84	76	.232	.248	26.06	1.18	6.8	6.3	6.9

SAVANNAH, GA.

[ϕ=32° 5′ N.; λ=81° 5′ W.]

January	30.024	30.385	29.394	45.0	51.1	59.2	42.0	50.6	68	28	37	39	75	65	0.239	0.254	4.19	1.74	5.2	4.5	5.3
February	30.092	30.463	29.541	44.3	50.4	57.9	41.0	49.4	71	25	36	35	73	59	.238	.223	4.62	1.78	4.6	3.6	4.5
March	30.077	30.449	29.656	58.7	63.2	75.0	55.5	65.2	86	38	55	56	87	79	.439	.456	2.44	1.93	4.5	2.6	4.3
April	29.944	30.243	29.654	66.1	69.4	78.9	62.3	70.6	91	46	58	60	77	75	.505	.541	3.36	.97	5.2	5.5	5.7
May	29.925	30.174	29.633	70.5	73.1	83.6	65.3	74.4	92	46	63	63	77	72	.599	.595	2.65	1.09	4.1	4.8	4.4
June	29.971	30.141	29.806	75.9	76.8	86.3	71.0	78.6	92	67	69	70	80	79	.719	.726	4.59	1.48	4.3	5.5	4.9
July	29.978	30.197	29.785	77.6	78.8	87.3	73.1	80.2	97	69	72	72	83	79	.783	.776	8.03	1.34	5.9	6.4	6.0
August	29.936	30.109	29.756	76.5	78.3	87.4	73.1	80.2	95	65	71	71	85	80	.771	.768	4.13	1.43	4.8	6.3	5.5
September	29.965	30.151	29.723	70.6	74.2	82.6	68.3	75.4	91	58	67	68	88	82	.667	.699	9.05	4.26	5.5	5.3	6.0
October	29.988	30.260	29.622	58.4	64.9	73.1	56.4	64.8	82	44	53	56	83	76	.410	.464	1.34	.82	4.0	2.7	4.1
November	30.076	30.326	29.690	54.1	59.9	69.9	52.3	61.1	79	38	49	52	84	77	.367	.415	2.07	1.62	3.5	1.6	4.1
December	30.068	30.374	29.706	50.9	56.5	64.6	47.8	56.2	79	35	44	46	80	69	.319	.326	1.09	.28	5.8	4.0	5.3
Year	30.004	30.463	29.394	62.4	66.4	75.5	59.0	67.2	97	25	56	57	81	74	.505	.521	47.56	4.26	4.8	4.4	5.0

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

SAN LUIS OBISPO, CAL.

[H=201 ft.; h_t=47 ft.; h_r=40 ft.; h_a=54 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorm.	Auroras.
	Miles.		*Mi.*																								
January	5.0	N.	22	W.	0	16	5	2	7	8	0	9	11	4	7	11	13	11	9	0	1	3	0	0	0	2	0
February	4.8	NW.	22	SE.	0	12	2	1	4	10	0	12	14	3	8	8	13	10	7	0	0	1	0	0	0	0	0
March	5.6	N.	22	W.	0	12	4	2	3	2	2	11	24	2	21	6	4	6	3	0	1	5	0	0	0	0	0
April	5.5	N.	20	NE.	0	7	6	1	4	6	4	12	17	3	19	4	7	4	2	0	0	7	0	0	0	0	0
May	7.5	NW.	26	W.	0	16	0	0	1	4	3	27	9	2	20	11	0	3	1	0	0	2	0	0	0	0	0
June	6.3	W.	24	W.	0	16	0	1	2	2	3	28	7	1	18	11	1	0	0	0	0	4	0	2	0	0	0
July	3.8	NW.	15	W.	0	6	3	2	3	3	11	12	21	1	26	5	0	0	0	0	0	5	0	0	0	1	0
August	4.4	NW.	17	NW.	0	5	1	1	1	5	5	13	28	3	25	6	0	0	0	0	0	3	0	1	0	0	0
September	4.5	NW.	19	N.	0	5	1	2	5	1	5	16	20	5	14	11	5	3	3	0	1	4	0	1	0	3	0
October	4.4	NW.	18	W.	0	12	5	1	1	2	4	19	14	4	22	6	3	4	3	0	0	5	0	0	0	1	0
November	3.2	N.	18	SE.	0	18	6	2	5	5	1	9	12	2	10	10	10	3	2	0	0	14	0	0	1	0	0
December	5.0	NW.	24	W.	0	22	1	2	4	6	2	7	17	1	14	8	9	7	7	0	1	0	0	0	5	0	0
Year	5.0	NW.	26	W.	0	147	34	17	40	54	40	175	194	31	204	97	65	51	37	0	4	53	0	4	6	7	0

SANTA FE, N. MEX.

[H=7,013 ft.; h_t=8 ft.; h_r=3 ft.; h_a=56 ft.]

January	9.3	NE.	44	NW.	1	19	27	2	2	2	3	3	4	0	19	9	3	8	3	8	0	2	1	0	31	0	0
February	10.0	NE.	43	SE.	1	12	17	2	7	3	7	5	5	0	17	9	3	6	4	6	0	0	1	0	29	1	0
March	9.8	N.	44	SW.	1	11	15	6	6	1	9	5	9	0	17	13	1	3	3	1	0	0	0	0	19	2	0
April	10.3	N.	38	W.	0	13	9	8	3	7	11	4	5	0	13	13	3	10	9	3	0	0	0	0	11	5	0
May	9.9	SW.	39	SW.	0	7	8	7	6	2	20	8	4	0	20	9	2	7	6	4	4	0	0	0	6	6	0
June	9.5	SW.	36	E.	0	0	6	12	11	5	14	10	2	0	24	6	0	3	1	0	0	0	0	0	0	6	0
July	7.5	SE.	37	E.	0	5	22	12	6	7	6	1	3	0	4	24	3	17	14	0	2	0	0	0	0	31	0
August	6.4	SE.	34	SW.	0	2	14	5	17	6	13	1	4	0	12	16	3	15	12	0	0	0	0	0	0	18	0
September	8.0	NE.	31	W.	0	4	15	11	8	6	9	2	4	1	22	7	1	2	1	0	1	0	0	0	2	5	0
October	10.0	NE.	43	S.	1	7	16	8	11	5	8	3	4	0	23	7	1	6	4	5	0	0	0	0	14	1	0
November	8.6	NE.	34	W.	0	7	36	4	4	2	5	1	1	0	19	5	6	5	3	5	0	0	4	0	27	0	0
December	8.9	NE.	33	W.	0	10	36	3	6	2	2	2	1	0	21	7	3	3	2	2	0	0	3	0	30	0	0
Year	9.0	NE.	44	NW.	4	97	221	80	87	48	107	45	46	1	212	125	29	85	62	34	7	2	9	0	169	75	0

SAULT STE. MARIE, MICH.

[H=614 ft.; h_t=40 ft.; h_r=35 ft.; h_a=61 ft.]

January	10.4	NW.	41	NW.	1	6	6	11	12	0	10	6	11	0	7	4	20	14	8	14	0	0	22	0	31	0	0
February	9.6	NW.	37	E.	0	9	4	12	10	0	2	5	16	0	4	5	20	13	9	12	0	0	25	0	29	0	0
March	10.0	W.	39	NW.	0	2	4	14	7	4	2	15	14	0	5	6	20	10	9	10	0	0	18	0	31	1	2
April	11.1	NW.	47	W.	2	2	6	12	9	1	7	7	16	0	8	7	15	16	11	7	0	0	3	0	21	2	0
May	8.9	SE.	37	NW.	0	2	7	13	15	2	3	8	12	0	6	7	18	12	8	0	0	0	0	0	3	1	0
June	8.7	W.	38	W.	0	2	1	7	12	2	11	18	7	0	13	7	10	11	7	0	0	0	0	0	0	4	0
July	6.4	W.	36	NW.	0	0	4	9	11	4	7	16	11	0	11	11	9	13	10	0	0	0	1	0	0	5	0
August	7.6	NW.	32	NW.	0	1	1	11	13	1	4	16	15	0	10	10	11	7	6	0	1	1	0	0	0	2	1
September	7.3	E.	37	NW.	0	1	4	13	15	1	4	7	13	2	12	13	5	10	5	0	0	2	0	0	0	4	4
October	9.0	E.	30	W.	0	7	3	16	17	3	2	5	9	0	2	12	17	8	5	2	0	0	1	0	5	0	1
November	11.1	SW.	41	SW.	1	4	2	6	10	3	15	12	8	0	2	2	26	15	12	6	0	1	1	0	20	0	1
December	10.1	SE.	48	W.	1	7	4	12	13	4	10	5	7	0	0	1	30	21	15	21	0	0	22	0	31	0	0
Year	9.2	SE.	48	W.	5	43	46	136	144	25	77	120	139	2	80	85	201	150	105	72	1	4	92	1	171	19	9

SAVANNAH, GA.

[H=65 ft.; h_t=81 ft.; h_r=74 ft.; h_a=89 ft.]

January	8.6	W.	36	W.	0	9	7	5	3	5	8	15	9	1	13	6	12	10	8	0	0	0	0	0	2	2	0
February	10.5	NW.	34	W.	0	7	9	3	2	2	9	14	12	0	14	5	10	10	8	0	0	1	0	0	4	2	0
March	9.1	SW.	27	E.	0	3	7	7	3	11	18	12	9	1	16	7	8	4	4	0	0	1	0	0	0	1	0
April	8.8	W.	30	E.	0	4	3	7	5	12	8	15	6	0	8	12	10	8	7	0	0	1	0	0	1	5	0
May	7.4	SW.	34	N.	0	5	2	4	3	13	13	17	5	0	13	15	3	11	8	0	0	0	0	0	4	10	0
June	6.4	E.	30	W.	0	7	9	10	5	10	11	5	3	0	8	19	3	9	9	0	0	0	0	0	5	8	0
July	6.9	W.	28	W.	0	8	9	8	5	12	6	12	2	0	7	13	11	18	17	0	0	0	0	0	7	12	0
August	6.6	SW.	28	N.	0	10	3	1	3	17	19	8	1	0	9	13	9	15	13	0	0	0	0	0	13	13	0
September	6.7	NE.	21	SE.	0	7	20	11	5	6	5	5	0	1	9	8	13	12	9	0	0	1	0	0	2	5	0
October	6.7	N.	23	SW.	0	18	16	5	3	5	2	8	5	0	16	5	10	5	5	0	0	0	0	0	0	1	0
November	6.3	NE.	21	S.	0	10	13	7	5	4	11	7	2	1	12	12	6	4	3	0	0	5	0	0	0	0	0
December	6.8	W.	27	NW.	0	12	8	9	3	1	12	12	5	0	10	12	9	7	5	0	0	1	0	0	0	0	0
Year	7.6	W.	36	W.	0	100	106	77	45	98	122	130	50	4	135	127	104	113	96	0	0	10	0	32	6	59	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

SCRANTON, PA.

[ϕ=41° 24′ N.; λ=75° 42′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.098	29.642	28.139	24.8	28.0	35.8	19.1	27.4	55	− 1	19	19	75	67	0.109	0.109	2.27	0.92	6.5	5.8	6.7
February	29.185	29.941	28.298	20.2	24.3	31.1	15.1	23.1	58	− 7	14	15	75	66	.097	.095	4.40	1.34	5.7	5.6	7.0
March	29.206	29.693	28.729	35.5	40.3	46.6	30.2	38.4	77	13	28	30	74	66	.169	.174	3.62	1.44	7.6	6.2	7.3
April	29.068	29.622	28.431	44.0	49.7	58.5	37.5	48.0	85	20	35	36	71	62	.222	.228	2.97	.68	5.7	5.9	5.4
May	29.083	29.393	28.601	58.5	61.4	70.1	52.1	61.1	91	36	51	53	77	74	.398	.419	4.02	1.62	5.8	7.0	6.1
June	29.206	29.508	29.003	66.3	71.6	80.5	56.5	68.5	94	42	55	55	67	57	.437	.443	1.71	.78	3.9	4.6	3.5
July	29.211	29.405	28.871	71.0	76.7	85.4	63.3	74.4	95	49	61	61	70	59	.544	.544	2.92	.76	5.4	6.5	5.1
August	29.184	29.473	28.940	63.3	71.0	79.8	57.4	68.6	95	43	56	58	79	64	.466	.490	3.44	1.28	6.0	5.2	4.6
September	29.259	29.547	28.832	58.1	67.8	78.1	53.6	65.8	91	38	51	52	79	59	.394	.411	2.03	2.00	2.8	2.7	5.6
October	29.299	29.715	28.802	48.2	54.9	64.6	43.3	54.0	87	30	42	43	81	65	.287	.289	2.29	.63	4.9	3.5	5.4
November	29.163	29.527	28.602	37.5	42.7	49.7	33.4	41.6	63	15	29	32	72	66	.172	.194	.75	.34	6.2	5.7	6.9
December	29.169	29.568	28.615	30.2	31.2	37.3	24.2	30.8	60	14	20	21	64	64	.112	.113	2.17	.77	6.7	7.1	7.8
Year	29.178	29.941	28.139	46.5	51.6	59.8	40.5	50.1	95	− 7	38	40	74	64	.284	.292	32.59	2.00	5.6	5.5	6.0

SEATTLE, WASH.

[ϕ=47° 38′ N.; λ=122° 20′ W.]

January	29.937	30.488	29.310	40.5	43.7	46.1	37.4	41.8	54	25	38	40	92	87	0.237	0.249	4.10	0.69	5.7	6.9	7.4
February	29.940	30.339	29.338	39.1	44.6	47.0	36.4	41.7	56	25	36	38	90	80	.218	.236	4.24	1.25	6.3	7.9	7.5
March	30.002	30.432	29.431	40.8	47.7	50.1	38.4	44.2	61	32	38	38	90	71	.233	.233	2.54	.96	6.9	7.6	7.1
April	30.002	30.409	29.512	42.8	54.5	56.6	41.5	49.0	79	35	41	46	94	74	.261	.313	2.19	1.21	6.0	6.1	5.9
May	29.935	30.219	29.407	46.0	56.1	58.6	44.7	51.6	71	41	44	49	94	78	.291	.348	3.19	.75	7.7	8.0	7.9
June	29.925	30.260	29.634	51.7	65.0	67.1	50.6	58.8	85	43	49	54	91	68	.347	.416	.15	.11	6.4	6.1	5.9
July	29.973	30.209	29.694	56.8	72.0	74.4	55.8	65.1	86	50	53	55	86	56	.399	.434	.24	.09	4.8	4.2	4.2
August	29.939	30.146	29.743	55.0	69.1	70.8	53.6	62.2	88	46	52	52	89	57	.384	.397	.82	.45	4.7	4.5	5.3
September	29.996	30.275	29.726	51.0	62.6	65.0	49.2	57.1	77	36	48	48	90	60	.340	.337	.23	.18	3.1	5.6	6.1
October	29.939	30.258	29.349	47.1	54.5	57.0	44.6	50.8	72	38	45	45	92	72	.299	.302	2.34	.45	5.3	6.9	7.3
November	29.940	30.290	29.469	46.6	50.7	53.7	43.8	48.8	68	34	42	44	87	78	.279	.290	4.60	1.28	6.5	8.4	7.6
December	29.989	30.485	29.543	38.1	41.0	43.5	35.5	39.5	52	26	36	36	93	84	.215	.215	3.61	.83	5.5	6.5	7.6
Year	29.960	30.488	29.310	46.3	55.1	57.5	44.3	50.9	88	25	44	45	91	72	.292	.314	28.25	1.28	5.7	6.6	6.6

SHERIDAN, WYO.

[ϕ=44° 48′ N.; λ=106° 57′ W.]

January	26.088	26.488	25.757	18.3	28.2	39.5	9.2	24.4	57	−19	10	14	71	54	0.067	0.080	0.17	0.15	4.1	4.0	4.1
February	26.062	26.336	25.662	19.4	32.0	40.4	14.4	27.4	65	−20	15	20	84	62	.094	.111	.32	.12	5.3	6.7	5.0
March	26.042	26.465	25.463	25.5	38.4	45.9	20.2	33.0	63	0	19	21	79	53	.105	.113	.67	.21	6.9	7.3	6.1
April	26.051	26.348	25.550	34.0	56.7	61.4	31.0	46.2	84	3	27	28	76	37	.151	.153	1.06	.60	3.9	5.2	4.2
May	25.954	26.231	25.605	41.5	57.7	62.4	38.0	50.2	80	28	36	38	84	54	.220	.267	6.65	2.09	5.9	6.8	5.8
June	26.025	26.425	25.662	50.0	65.9	69.9	45.0	57.4	92	35	45	46	83	52	.299	.319	3.40	1.17	4.7	6.1	5.2
July	26.178	26.438	25.899	57.1	79.8	83.7	52.6	68.2	95	40	49	50	76	36	.351	.357	.66	.38	2.9	3.3	2.5
August	26.140	26.396	25.826	52.0	73.1	78.6	48.5	63.6	100	37	44	48	78	48	.299	.354	.95	.35	4.3	5.2	4.2
September	26.131	26.446	25.904	44.4	69.1	75.8	40.3	58.0	97	20	36	39	76	39	.220	.243	.67	.34	4.9	5.1	4.4
October	26.109	26.480	25.452	34.0	46.4	53.2	29.5	41.4	79	18	30	32	85	62	.165	.186	1.44	1.21	5.9	5.8	5.8
November	26.166	26.721	25.720	22.0	35.4	49.5	16.7	33.1	74	− 2	16	20	79	54	.092	.108	.07	.05	3.9	4.3	3.8
December	26.094	26.447	25.733	15.3	25.2	34.8	8.5	21.6	59	−16	12	18	88	73	.080	.097	.92	.50	5.1	6.6	5.4
Year	26.087	26.721	25.452	34.5	50.7	57.9	29.5	43.7	100	−20	28	31	80	52	.179	.199	16.98	2.09	4.8	5.5	4.7

SHREVEPORT, LA.

[ϕ=32° 30′ N.; λ=93° 40′ W.]

January	29.840	30.255	29.299	43.2	51.1	57.1	39.6	48.4	71	24	36	36	77	58	0.233	0.228	2.20	1.12	5.8	4.2	5.3
February	29.871	30.412	29.397	44.1	53.2	58.5	41.1	49.8	75	23	37	37	76	56	.244	.240	4.78	1.03	5.4	4.2	5.1
March	29.778	30.256	29.425	57.8	68.3	74.3	55.5	64.9	89	41	55	54	90	62	.450	.430	2.64	1.21	6.5	4.1	5.9
April	29.704	30.054	29.270	62.6	71.4	78.6	59.3	69.0	87	42	58	58	85	63	.504	.504	3.91	1.20	6.2	5.5	5.5
May	29.643	29.834	29.319	66.5	76.1	82.0	64.1	73.0	90	50	62	64	86	67	.581	.607	14.11	8.35	5.5	4.7	5.1
June	29.719	29.936	29.523	74.6	82.7	88.7	71.7	80.2	94	65	69	68	93	62	.712	.686	1.61	.61	3.8	2.7	3.8
July	29.762	29.915	29.583	74.8	82.7	90.7	72.6	81.6	97	68	70	70	87	67	.741	.725	3.93	1.79	3.4	6.3	5.2
August	29.720	29.904	29.578	74.4	82.8	90.5	72.6	81.6	96	68	70	70	88	67	.747	.740	3.07	1.35	3.7	3.6	3.8
September	29.746	30.020	29.551	68.6	77.5	85.2	66.8	76.0	95	44	65	66	88	69	.624	.645	5.01	1.78	4.2	4.4	4.8
October	29.828	30.115	29.590	53.1	67.6	74.9	51.5	63.2	83	36	49	48	85	50	.359	.354	T.	T.	2.5	2.3	2.6
November	29.838	30.216	29.423	51.7	61.9	69.1	49.4	59.2	82	28	46	47	83	60	.343	.350	3.80	1.50	4.8	4.0	5.2
December	29.880	30.318	29.496	46.5	55.0	60.2	43.3	51.8	78	32	41	42	81	63	.281	.287	2.13	.97	5.9	4.9	5.4
Year	29.777	30.412	29.270	59.8	69.2	75.8	57.3	66.6	97	23	55	55	84	62	.485	.483	47.19	8.35	4.8	4.2	4.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

SCRANTON, PA.

[H=805 ft.; h_t=111 ft.; h_r=102 ft.; h_a=119 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Aurora.
	Miles.		*Mi.*																								
January	8.5	SW.	42	E.	1	11	8	3	0	4	24	5	7	0	4	13	14	11	9	9	0	0	6	0	30	0	0
February	9.0	SW.	34	S.	0	7	9	1	4	3	15	13	6	0	5	6	18	16	8	13	0	4	15	0	28	0	0
March	7.5	SW.	34	W.	0	7	12	1	4	5	24	3	6	0	4	9	18	12	10	4	0	0	2	0	17	4	1
April	10.2	SW.	44	W.	1	9	7	2	3	4	20	7	8	0	10	9	11	13	11	1	0	0	1	0	9	2	0
May	8.1	SW.	42	W.	2	8	14	4	6	6	16	3	5	0	8	8	15	15	14	0	1	0	0	1	0	1	0
June	6.1	SW.	36	NW.	0	10	12	2	1	5	26	1	3	0	15	13	2	6	4	0	0	0	0	3	0	4	0
July	5.3	SW.	25	W.	0	6	11	1	2	9	24	3	6	0	10	13	8	10	9	0	0	0	0	7	0	9	0
August	5.9	NE.	26	SW.	0	7	24	2	2	4	17	4	2	0	11	12	8	10	8	0	0	0	0	2	0	5	0
September	5.4	NE.	29	W.	0	2	22	2	6	8	14	0	3	3	9	11	10	2	1	0	0	1	0	1	0	1	1
October	5.8	NE.	25	NW.	0	5	28	5	3	3	7	3	8	0	13	4	14	9	7	0	0	7	0	0	1	3	0
November	7.6	SW.	36	NW.	0	3	7	0	0	4	29	9	8	0	7	5	18	9	6	5	0	4	0	0	14	0	0
December	7.7	SW.	32	W.	0	7	9	0	0	4	26	9	7	0	4	6	21	13	10	11	0	1	7	0	30	0	0
Year	7.3	SW.	44	W.	4	82	163	23	31	59	242	60	69	3	100	109	157	126	97	43	1	17	31	14	129	29	2

SEATTLE, WASH.

[H=123 ft.; h_t=185 ft.; h_r=179 ft.; h_a=224 ft.]

January	9.4	SE.	48	S.	4	13	7	8	13	17	2	1	1	0	4	7	20	17	14	0	0	3	0	0	2	0	0
February	8.6	SE.	44	SW.	2	7	3	15	11	12	4	2	4	0	3	8	18	19	18	2	0	5	0	0	4	0	0
March	10.8	S.	46	S.	2	3	8	7	11	14	11	3	5	0	2	15	14	16	10	1	1	4	0	0	2	2	0
April	9.4	S.	42	S.	2	7	6	6	9	10	9	4	8	1	6	14	10	10	7	0	0	3	0	0	0	0	0
May	7.5	S.	35	SW.	0	2	2	11	16	10	7	10	4	0	0	15	16	15	14	0	1	1	0	0	0	1	0
June	7.8	S.	28	SW.	0	7	6	4	5	15	6	8	9	0	8	10	12	6	1	0	0	1	0	0	0	1	0
July	8.0	N.	26	N.	0	14	9	3	4	7	6	4	14	1	15	10	6	5	3	0	0	0	0	0	0	2	0
August	6.6	S.	30	S.	0	8	5	4	6	12	5	8	12	2	12	10	9	5	3	0	0	3	0	0	0	2	0
September	5.7	N.	29	S.	0	21	4	7	9	2	3	6	6	2	3	18	9	3	2	0	0	10	0	0	0	0	1
October	7.1	SE.	31	S.	0	16	5	8	17	9	3	1	3	0	3	10	18	14	13	0	1	9	0	0	0	0	0
November	8.2	SE.	50	S.	1	13	4	13	16	9	2	2	1	0	2	12	16	12	11	0	0	5	0	0	0	0	0
December	9.2	SE.	48	S.	1	17	3	13	14	10	5	0	0	0	4	7	20	15	13	0	0	5	0	0	7	0	0
Year	8.2	SE.	50	S.	12	128	62	99	131	127	63	49	67	6	62	136	168	137	109	3	3	49	0	0	15	8	1

SHERIDAN, WYO.

[H=3,790 ft.; h_t=9 ft.; h_r=2 ft.; h_a=47 ft.]

January	4.0	NW.	42	NW.	2	5	4	2	8	12	3	3	18	7	16	7	8	3	1	3	0	0	5	0	31	0	0
February	6.1	NW.	44	NW.	2	2	5	1	6	14	5	1	23	1	9	13	7	7	4	7	0	1	7	0	29	0	0
March	8.3	NW.	48	W.	2	5	6	2	2	12	7	4	22	2	7	13	11	14	7	11	0	0	5	0	27	0	0
April	9.3	NW.	50	NW.	3	9	6	5	5	8	3	1	22	1	14	10	6	6	5	3	0	0	1	0	15	2	0
May	9.3	NW.	46	SE.	5	2	5	7	16	6	5	3	17	1	9	8	14	15	12	1	2	0	0	0	6	5	0
June	6.4	NW.	40	SW.	1	5	7	3	18	2	4	4	17	0	12	7	11	12	12	0	1	0	0	1	0	9	0
July	6.1	SE.	46	NW.	1	0	2	6	21	10	5	2	14	2	23	7	1	4	4	0	0	0	0	7	0	5	0
August	5.6	SE.	48	NW.	2	5	7	4	13	8	3	8	13	1	15	9	7	8	6	0	0	0	0	3	0	5	1
September	5.7	NW.	32	NW.	0	5	3	1	10	13	3	5	20	0	12	11	7	8	6	2	0	0	0	2	3	3	1
October	7.1	NW.	41	W.	1	3	3	4	14	6	5	4	20	3	8	7	16	8	6	4	0	1	0	0	22	0	0
November	5.5	NW.	30	NW.	0	3	4	2	5	17	9	3	17	0	16	9	5	4	0	4	0	0	5	0	29	0	0
December	5.0	NW.	48	W.	1	5	1	2	9	15	6	4	19	1	9	10	12	7	6	6	0	0	11	0	31	0	0
Year	6.5	NW.	50	NW.	20	49	53	39	127	123	58	42	222	19	150	111	105	96	69	41	3	2	34	13	193	29	2

SHREVEPORT, LA.

[H=249 ft.; h_t=77 ft.; h_r=77 ft.; h_a=84 ft.]

January	8.1	SE.	34	NE.	0	8	6	4	17	5	1	9	12	0	11	8	12	8	6	0	0	0	0	0	5	1	0
February	9.1	SE.	38	W.	0	7	2	5	19	2	2	7	14	0	14	4	11	10	10	0	0	0	0	0	4	3	0
March	8.6	SE.	25	SE.	0	3	8	5	39	3	0	2	2	0	9	11	11	7	6	0	0	0	0	0	0	0	0
April	7.6	SE.	36	W.	0	7	7	5	32	1	3	2	3	0	10	10	10	12	10	0	0	0	0	0	0	7	0
May	8.6	SE.	52	SE.	1	1	2	5	42	1	0	4	7	0	8	16	7	12	9	0	1	0	0	1	0	9	0
June	7.1	SE.	39	N.	0	1	6	7	44	1	0	1	0	0	16	12	2	8	6	0	0	0	0	12	0	9	0
July	5.4	SE.	29	SE.	0	8	16	8	16	9	3	2	0	0	9	14	8	12	8	0	0	0	0	20	0	9	0
August	4.9	SE.	27	NE.	0	7	11	8	23	7	1	2	3	0	17	8	6	10	8	0	0	0	0	16	0	7	0
September	5.2	E.	22	NW.	0	6	15	25	13	0	0	0	1	0	11	12	7	8	8	0	0	1	0	9	0	5	0
October	5.7	SE.	21	NE.	0	9	16	5	24	1	1	3	3	0	20	9	2	0	0	0	0	0	0	0	0	0	0
November	7.3	SE.	26	W.	0	5	9	3	21	10	2	3	6	1	13	5	12	12	8	0	0	1	0	0	2	6	0
December	7.1	SE.	25	NE.	0	12	11	7	21	2	1	1	7	0	12	7	12	9	7	0	0	1	0	0	2	0	0
Year	7.1	SE.	52	SE.	1	74	109	87	311	42	14	36	58	1	150	116	100	108	86	0	1	3	0	58	13	56	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

SIOUX CITY, IOWA.

[ϕ=42° 29′ N.; λ=96° 24′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	28.824	29.442	28.429	19.9	.....	36.3	14.6	25.4	51	− 7	14	....	79	....	0.084	.....	0.22	0.21	4.5	.....	4.0
February	28.843	29.121	28.323	19.9	.....	31.4	16.7	24.0	53	− 5	16	....	86	....	.098	.....	1.18	.52	5.1	.....	5.8
March	28.808	29.294	28.341	29.7	.....	46.6	27.4	37.0	79	4	24	....	80	....	.132	.....	.64	.50	5.9	.....	6.3
April	28.721	29.174	27.879	42.6	.....	62.5	39.6	51.0	86	14	35	....	74	....	.222	.....	1.64	.61	4.6	.....	4.3
May	28.633	28.951	28.235	52.5	.....	68.7	48.4	58.6	86	25	45	....	77	....	.325	.....	6.19	1.22	6.6	.....	6.0
June	28.722	29.180	28.351	61.3	.....	75.2	57.9	66.6	90	44	55	....	80	....	.445	.....	4.67	1.52	6.1	.....	6.2
July	28.837	29.121	28.512	65.7	.....	82.7	62.9	72.8	95	49	61	....	86	....	.551	.....	2.73	1.52	5.9	.....	5.0
August	28.800	29.043	28.597	62.2	.....	80.1	59.4	69.8	96	45	58	....	86	....	.487	.....	4.28	1.72	5.4	.....	4.5
September	28.814	29.110	28.587	59.6	.....	81.1	57.2	69.2	92	28	53	....	80	....	.429	.....	1.02	.99	3.6	.....	2.8
October	28.816	29.201	28.168	42.9	.....	58.5	40.6	49.6	82	28	37	....	79	....	.226	.....	2.80	.96	5.5	.....	5.7
November	28.797	29.331	28.196	32.4	.....	47.6	28.2	37.9	72	6	27	....	79	....	.151	.....	.73	.42	4.8	.....	5.4
December	28.830	29.343	28.475	23.1	.....	35.4	18.9	27.2	51	−10	18	....	79	....	.103	.....	.34	.19	4.7	.....	4.6
Year	28.787	29.442	27.879	42.6	.....	58.8	39.3	49.1	96	−10	37	....	80	....	.271	.....	26.44	1.72	5.2	.....	5.0

SOUTHEAST FARALLON, CAL.

[ϕ=37° 42′ N.; λ=123° 0′ W.]

January	30.042	30.376	29.556	.....	52.9	54.6	49.7	52.2	60	43	....	48	....	86	.....	0.344	4.30	1.18	.....	6.7	7.3
February	30.041	30.296	29.625	.....	51.4	52.9	48.0	50.4	58	44	....	46	....	84	.....	.318	4.79	2.38	.....	5.6	5.7
March	30.109	30.308	29.837	.....	51.8	53.5	47.5	50.5	62	41	....	46	....	83	.....	.320	.42	.17	.....	2.5	3.2
April	30.013	30.221	29.795	.....	51.8	53.5	48.6	51.0	59	44	....	48	....	88	.....	.336	.10	.10	.....	4.5	4.6
May	29.997	30.249	29.728	.....	51.1	51.9	48.1	50.0	57	46	....	48	....	90	.....	.334	.60	.23	.....	3.3	2.9
June	29.972	30.072	29.722	.....	51.4	52.2	48.2	50.2	55	46	....	49	....	93	.....	.349	.02	.02	.....	3.7	4.8
July	29.934	30.005	29.823	.....	54.6	56.1	50.6	53.4	62	47	....	53	....	95	.....	.401	.00	.00	.....	6.8	8.0
August	29.943	30.051	29.811	.....	54.5	55.5	51.1	53.3	63	48	....	52	....	92	.....	.388	.00	.00	.....	7.1	7.6
September	29.965	30.037	29.727	.....	54.8	56.9	51.1	54.0	70	46	....	52	....	92	.....	.393	.07	.05	.....	4.4	6.5
October	30.011	30.107	29.699	.....	53.5	56.9	50.1	53.5	75	46	....	51	....	93	.....	.379	.25	.13	.....	3.4	5.5
November	30.053	30.190	29.776	.....	53.1	55.0	50.2	52.6	59	45	....	51	....	94	.....	.378	1.57	.81	.....	5.6	7.3
December	30.092	30.298	29.789	.....	50.3	52.1	47.1	49.6	57	41	....	48	....	91	.....	.332	2.78	.85	.....	5.8	5.7
Year	30.014	30.376	29.556	.....	52.6	54.3	49.2	51.7	75	41	....	49	....	90	.....	.356	14.90	2.38	.....	5.0	5.8

SPOKANE, WASH.

[ϕ=47° 40′ N.; λ=117° 25′ W.]

January	28.048	28.521	27.561	27.4	34.3	36.4	24.4	30.4	45	− 2	25	27	90	75	0.135	0.150	1.87	0.68	5.6	7.0	7.2
February	28.006	28.431	27.456	28.4	36.5	38.8	26.0	32.4	51	− 4	26	29	91	76	.146	.163	1.36	.26	8.5	8.1	6.8
March	27.964	28.403	27.370	34.6	46.7	48.4	32.2	40.3	58	24	28	26	76	46	.151	.147	.51	.16	6.7	7.1	5.3
April	27.985	28.312	27.556	39.5	57.6	60.3	37.3	48.8	81	23	32	29	74	37	.183	.164	.54	.19	5.7	6.1	3.5
May	27.885	28.176	27.434	44.7	60.5	63.1	42.5	52.8	84	38	37	35	76	42	.224	.206	.86	.21	6.7	8.1	5.2
June	27.889	28.228	27.602	50.6	71.1	73.8	49.5	61.6	93	40	40	38	68	32	.252	.232	.39	.18	5.6	6.6	4.8
July	27.972	28.222	27.744	59.0	84.2	86.0	57.6	71.8	101	44	47	41	64	25	.329	.273	.83	.42	3.7	4.0	4.1
August	27.937	28.238	27.756	55.8	80.2	82.0	54.2	68.1	96	42	42	36	60	26	.268	.223	.57	.27	3.3	4.0	4.2
September	27.985	28.290	27.722	48.8	72.7	75.2	46.6	60.9	91	28	38	34	69	26	.239	.201	.10	.04	4.4	5.8	5.3
October	27.992	28.370	27.397	41.5	54.1	56.8	38.9	47.8	77	26	36	37	83	56	.218	.224	2.30	.95	5.6	7.3	7.4
November	28.065	28.372	27.644	36.6	44.1	47.7	34.0	40.8	69	16	32	34	83	71	.183	.202	1.13	.35	6.4	6.7	8.0
December	28.078	28.529	27.654	27.0	31.7	33.7	24.3	29.0	47	13	23	26	84	77	.123	.137	1.56	.57	7.1	8.2	8.2
Year	27.984	28.529	27.370	41.2	56.1	58.5	39.0	48.7	101	− 4	34	33	76	49	.204	.194	12.02	.95	5.8	6.6	5.8

SPRINGFIELD, ILL.

[ϕ=39° 48′ N.; λ=89° 39′ W.]

January	29.363	29.923	28.677	25.2	31.8	37.8	21.7	29.8	56	6	20	23	79	70	0.112	0.129	1.77	0.91	4.4	3.9	4.8
February	29.375	29.840	28.704	25.4	31.7	36.2	23.2	29.7	52	2	20	24	80	71	.119	.135	4.28	1.30	4.8	5.2	5.7
March	29.351	29.960	28.822	39.2	47.9	55.7	35.3	45.5	79	25	33	35	79	63	.196	.217	2.21	.64	6.7	5.4	6.0
April	29.266	29.712	28.532	48.0	56.0	63.2	43.0	53.1	79	26	40	40	74	58	.264	.272	4.48	1.31	5.7	6.0	5.8
May	29.188	29.526	28.914	60.1	66.0	73.3	56.0	64.6	88	34	53	54	78	66	.428	.434	7.27	1.69	5.3	5.7	5.7
June	29.327	29.586	29.079	67.0	76.1	81.5	62.2	71.8	96	46	58	59	72	58	.497	.526	1.38	.93	5.1	3.9	4.8
July	29.363	29.577	29.072	71.1	80.5	86.4	66.4	76.4	94	56	63	63	76	56	.576	.580	1.37	.98	5.0	4.3	4.6
August	29.328	29.516	29.118	67.9	78.9	86.3	64.2	75.2	97	54	59	60	73	54	.515	.545	2.62	1.44	3.1	3.7	3.2
September	29.332	29.595	29.132	62.3	72.2	81.8	58.6	70.2	92	35	54	55	75	56	.435	.451	1.22	.68	2.8	2.8	2.5
October	29.413	29.814	28.993	46.6	58.5	65.9	44.5	55.2	82	29	38	39	74	51	.241	.252	.29	.14	3.2	3.1	3.0
November	29.360	29.829	28.841	38.5	47.5	54.0	35.1	44.6	70	17	30	31	72	53	.180	.189	1.17	.54	4.2	4.2	4.7
December	29.397	29.986	28.964	29.1	35.8	41.7	25.7	33.7	64	12	24	25	79	64	.134	.142	1.62	1.32	4.7	5.1	5.0
Year	29.343	29.986	28.532	48.4	56.9	63.6	44.7	54.2	97	2	41	42	76	60	.308	.323	29.68	1.69	4.6	4.4	4.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

SIOUX CITY, IOWA.

[H=1,135 ft.; h_t=96 ft.; h_r=86 ft.; h_a=164 ft.]

Month.	Wind.					Number of winds, 8 a. m. and 8 p. m.									Number of days.											
	By self-register.																	Precipitation.					Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Auroras.
	Miles.		*Mi.*																							
January	13.6	NW.	50	NW.	5	1	3	0	8	6	0	2	11	0	14	10	7	2	1	2	0	0	11	0	30	0	0
February	14.7	NW.	50	NW.	3	2	2	3	6	3	1	1	11	0	9	8	12	9	5	5	0	0	17	0	27	0	0
March	12.9	NW.	48	N.	1	8	2	2	3	7	1	1	7	0	9	6	16	5	4	4	0	1	2	0	23	1	1
April	17.3	NW.	50	NW.	6	1	1	2	6	6	1	1	12	0	15	5	10	5	5	1	1	1	0	0	6	3	0
May	14.4	SE.	60	NE.	3	3	3	4	5	3	1	2	8	2	6	15	10	14	12	0	1	0	0	0	2	11	0
June	14.4	SE.	60	SW.	4	4	2	3	9	4	2	2	4	0	6	12	12	15	12	0	1	0	0	1	0	11	0
July	9.7	S.	35	NW.	0	6	9	2	5	6	1	0	2	0	14	7	10	8	5	0	0	0	0	5	0	5	0
August	9.9	SE.	40	NW.	3	6	1	4	9	4	2	0	4	1	13	10	8	9	8	0	0	0	0	3	0	7	0
September	12.8	SE.	37	S.	0	2	3	2	15	4	0	0	4	0	19	7	4	3	2	0	0	0	0	8	2	2	4
October	14.6	NW.	48	S.	3	4	3	1	11	2	0	1	8	1	10	7	14	6	5	0	0	0	0	0	8	0	0
November	11.5	NW.	54	NW.	2	1	3	0	4	4	4	6	8	0	9	10	11	6	3	2	0	1	3	0	20	0	0
December	12.5	NW.	50	NW.	2	3	1	0	5	5	3	3	10	1	13	12	6	4	3	3	0	2	11	0	28	0	0
Year	13.2	NW.	60	NE.	32	41	33	23	86	54	16	19	89	5	137	109	120	86	65	17	2	5	44	17	146	40	5

SOUTHEAST FARALLON, CAL.

[H=30 ft.; h_t=9 ft.; h_r=3 ft.; h_a=17 ft.]

January	13.1	NE.	49	NW.	3	2	5	6	3	7	1	0	7	0	4	10	17	18	13	0	0	2	0	0	0	0
February	18.0	N.	54	SW.	10	9	1	0	0	2	5	2	10	0	9	10	10	10	8	0	2	2	0	0	0	1	0
March	18.0	NW.	50	NW.	5	3	0	0	0	0	2	5	21	0	19	9	3	6	5	0	1	4	0	0	0	0	0
April	16.9	NW.	59	NW.	5	3	0	0	0	0	4	5	18	0	16	5	9	2	1	0	0	4	0	0	0	0	0
May	26.1	NW.	58	NW.	17	4	0	0	0	2	4	2	19	0	18	11	2	5	4	0	1	2	0	0	0	0	0
June	20.3	NW.	52	NW.	8	11	0	0	0	3	0	3	13	0	15	4	11	1	0	0	0	3	0	0	0	0	0
July	12.5	NW.	38	NW.	0	3	0	0	0	6	3	1	18	0	3	7	21	0	0	0	0	10	0	0	0	0	0
August	14.9	NW.	50	N.	3	4	0	0	0	0	0	7	19	1	6	3	22	0	0	0	0	6	0	0	0	0	0
September	12.8	NW.	43	NW.	4	3	0	0	0	1	3	3	20	0	9	3	18	3	1	0	0	16	0	0	0	0	0
October	13.4	NW.	58	NW.	6	7	0	0	1	2	3	3	15	0	12	4	15	5	2	0	0	19	0	0	0	0	0
November	10.3	NW.	54	NW.	4	4	2	0	2	3	2	3	14	0	4	6	20	6	6	0	0	14	0	0	0	0	0
December	13.1	N.	52	NW.	3	8	5	6	1	4	1	0	6	0	11	5	15	12	11	0	0	1	0	0	0	0	0
Year	15.8	NW.	59	NW.	68	61	13	12	7	30	28	34	180	1	126	77	163	68	51	0	4	83	0	0	0	1	0

SPOKANE, WASH.

[H=1,929 ft.; h_t=101 ft.; h_r=94 ft.; h_a=110 ft.]

January	5.2	NE.	33	SW.	0	3	18	9	4	10.	9	3	6	0	2	15	14	11	9	8	0	2	5	0	29	0	0
February	4.9	NE.	26	SW.	0	3	14	8	6	13	12	0	2	0	1	17	11	15	10	11	0	1	3	0	22	0	0
March	7.6	SW.	30	SW.	0	2	6	1	3	16	19	10	5	0	10	13	8	9	5	4	0	0	0	0	19	0	0
April	7.8	S.	39	SW.	0	3	4	8	3	15	13	12	2	0	17	11	2	7	4	1	1	0	0	0	6	2	0
May	6.4	S.	28	S.	0	2	3	7	6	23	12	4	5	0	9	14	8	13	6	0	0	0	0	0	0	1	0
June	8.1	S.	32	SW.	0	3	6	8	3	18	12	5	5	0	11	15	4	6	4	0	3	0	0	1	0	3	0
July	6.0	SW.	29	W.	0	10	10	7	3	11	11	5	4	1	14	10	7	3	2	0	0	0	0	11	0	2	0
August	5.8	SW.	36	NW.	0	4	8	5	4	8	14	8	9	2	16	5	10	5	4	0	0	0	0	9	0	1	0
September	5.5	SW.	24	W.	0	4	5	6	6	10	17	6	4	2	10	9	11	4	1	0	1	1	0	2	2	1	3
October	5.2	NE.	22	SW.	0	6	16	3	5	9	15	3	5	0	2	13	16	10	8	0	0	4	0	0	6	1	0
November	4.2	NE.	22	SW.	0	5	18	7	6	14	4	3	2	1	2	8	20	10	8	1	0	7	2	0	13	0	0
December	6.2	SW.	35	SW.	0	13	13	3	1	9	15	1	7	0	2	6	23	9	6	7	0	1	14	0	27	0	0
Year	6.1	S.	39	SW.	0	58	121	72	50	156	153	60	56	6	96	136	134	102	67	32	5	16	24	23	124	11	3

SPRINGFIELD, ILL.

[H=644 ft.; h_t=10 ft.; h_r=4 ft.; h_a=91 ft.]

January	10.7	S.	29	NW.	0	2	5	2	4	17	7	10	15	0	13	6	12	8	8	5	0	0	7	0	29	0	0
February	12.7	NW.	33	W.	0	4	1	14	5	8	2	10	14	0	11	5	13	10	10	5	0	3	10	0	24	1	0
March	10.1	S.	32	SW.	0	8	6	5	5	13	6	8	11	0	8	10	13	9	7	0	2	1	0	0	10	4	0
April	10.5	SW.	37	S.	0	2	4	3	8	12	10	8	13	0	13	1	16	14	11	0	0	0	0	0	2	7	0
May	10.2	S.	44	W.	2	3	6	6	7	13	10	7	10	0	9	12	10	16	15	0	0	0	0	0	0	15	0
June	9.1	S.	31	S.	0	3	5	9	9	14	7	5	8	0	11	14	5	10	6	0	0	0	0	5	0	10	0
July	6.5	SW.	29	SW.	0	6	4	4	10	10	15	8	5	0	12	15	4	5	4	0	0	0	8	0	7	0	0
August	6.4	SW.	31	W.	0	5	15	5	4	9	12	4	8	0	20	6	5	6	5	0	0	0	12	0	5	0	0
September	6.5	S.	24	NW.	0	3	7	3	15	12	5	8	7	0	23	3	4	5	4	0	0	0	0	5	0	1	0
October	8.7	S.	26	S.	0	8	2	5	9	16	7	5	10	0	22	4	5	6	2	0	0	0	0	1	0	0	0
November	9.3	SW.	34	W.	0	3	4	3	8	7	18	13	4	0	12	10	8	6	5	0	0	1	0	11	2	0	0
December	8.2	NW.	28	SW.	0	3	1	4	4	11	14	9	16	0	14	5	12	4	2	3	0	0	4	0	25	0	0
Year	9.1	S.	44	W.	2	50	60	63	88	142	113	95	121	0	168	91	107	99	79	13	2	4	22	30	102	52	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

SPRINGFIELD, MO.

[ϕ=37° 12′ N.; λ=93° 18′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	28.641	29.170	28.154	29.0	37.2	42.9	24.9	33.9	59	10	23	28	79	70	0.127	0.150	2.20	1.16	3.5	2.5	3.4
February	28.641	29.093	28.067	31.4	40.2	46.4	28.3	37.4	76	4	27	32	83	74	.158	.188	4.92	2.25	4.2	5.0	5.1
March	28.606	29.213	28.149	44.3	55.8	63.0	40.5	51.8	82	22	39	39	83	58	.255	.255	4.14	1.73	4.8	4.5	4.5
April	28.556	28.902	27.919	50.6	58.7	64.5	46.4	55.4	82	28	47	47	87	69	.342	.342	7.75	2.24	5.3	5.6	5.9
May	28.474	28.691	28.197	59.7	70.2	75.6	57.3	66.4	87	41	56	58	88	66	.469	.489	4.66	1.22	3.4	4.2	2.6
June	28.603	28.929	28.378	66.7	75.4	79.2	63.6	71.4	87	52	63	64	87	68	.574	.596	5.51	1.27	5.6	3.4	3.2
July	28.668	28.841	28.460	68.8	80.2	84.9	65.4	75.2	93	58	63	62	82	56	.575	.565	2.56	.98	3.7	2.7	1.9
August	28.618	28.814	28.445	69.2	78.6	85.1	66.7	75.9	93	58	65	66	86	67	.620	.642	3.66	2.73	2.9	2.5	1.8
September	28.672	28.910	28.444	63.0	71.5	79.5	60.6	70.0	89	35	57	58	82	64	.481	.490	1.87	.73	4.5	4.3	3.7
October	28.683	29.021	28.401	48.3	58.4	65.5	46.4	56.0	82	32	42	42	80	57	.282	.280	1.11	.87	3.3	2.6	3.0
November	28.656	29.124	28.123	41.3	49.5	56.4	38.6	47.5	77	18	36	37	81	67	.225	.234	4.27	1.03	3.3	3.2	4.2
December	28.691	29.237	28.327	34.2	42.1	48.8	30.3	39.6	69	14	28	30	76	65	.163	.178	.67	.29	3.5	3.5	4.3
Year	28.626	29.237	27.919	50.5	59.8	66.0	47.4	56.7	93	4	46	47	83	65	.356	.367	43.32	2.73	4.0	3.7	3.6

SYRACUSE, N. Y.

[ϕ=43° 2′ N.; λ= 76° 10′ W.]

January	29.307	29.872	28.593	22.7	.....	32.7	16.9	24.8	48	−12	17	.....	77	.....	0.096	.....	2.22	1.20	7.9	.....	7.4
February	29.385	30.238	28.244	16.7	.....	27.1	11.2	19.2	56	−17	14	.....	86	.....	.093	.....	2.23	.43	6.9	.....	7.1
March	29.395	30.014	28.690	32.1	.....	42.1	25.9	34.0	69	6	26	.....	77	.....	.146	.....	2.55	1.09	8.4	.....	8.0
April	29.285	29.861	28.851	40.6	.....	52.4	33.7	43.0	78	17	30	.....	67	.....	.182	.....	3.33	.68	7.0	.....	6.6
May	29.277	29.626	28.784	55.8	.....	66.6	49.7	58.2	87	31	48	.....	76	.....	.355	.....	3.49	.66	6.5	.....	6.5
June	29.412	29.702	29.197	64.6	.....	76.2	56.9	66.6	89	44	55	.....	72	.....	.441	.....	2.78	1.26	5.0	.....	3.9
July	29.423	29.654	29.004	69.7	.....	80.5	62.7	71.6	90	55	64	.....	81	.....	.591	.....	3.68	.95	4.4	.....	4.3
August	29.389	29.683	29.143	64.6	.....	76.8	58.4	67.6	92	46	57	.....	76	.....	.471	.....	.66	.30	4.3	.....	4.8
September	29.468	29.783	29.181	61.1	.....	75.7	55.2	65.4	88	39	51	.....	71	.....	.385	.....	.82	.69	4.3	.....	5.4
October	29.513	29.876	29.138	49.6	.....	63.0	44.7	53.8	80	31	41	.....	72	.....	.267	.....	2.78	.87	5.4	.....	5.4
November	29.339	29.721	28.860	37.2	.....	47.3	34.2	40.8	65	24	31	.....	78	.....	.181	.....	.97	.39	8.0	.....	8.0
December	29.332	29.809	28.860	27.5	.....	34.6	21.7	28.2	55	7	22	.....	78	.....	.119	.....	1.45	.26	8.4	.....	7.8
Year	29.377	30.238	28.244	45.2	.....	56.2	39.3	47.8	92	−17	88	.....	76	.....	.277	.....	26.96	1.26	6.4	.....	6.3

TACOMA, WASH.

[ϕ=47° 16′ N.; λ=122° 23′ W.]

January	29.817	30.229	29.225	39.7	43.2	45.7	35.7	40.7	53	28	37	41	91	92	0.225	0.259	4.44	0.63	6.4	8.1	6.8
February	29.818	30.224	29.222	38.4	45.1	47.0	35.3	41.2	57	23	36	37	89	75	.210	.229	5.02	1.38	6.0	7.5	6.7
March	29.881	30.322	29.301	39.6	47.9	50.4	37.0	43.7	61	28	36	39	87	72	.212	.240	5.99	2.63	5.7	8.0	5.2
April	29.874	30.295	29.406	41.8	55.6	57.9	40.0	49.0	82	32	38	39	87	56	.234	.244	3.00	1.43	6.4	6.1	4.1
May	29.804	30.102	29.291	44.9	56.5	58.5	43.4	51.0	72	40	42	44	88	63	.262	.284	2.82	.74	7.4	8.0	7.1
June	29.794	30.137	29.528	50.6	65.8	67.6	49.5	58.6	86	44	47	49	87	58	.322	.358	.32	.12	5.6	6.2	5.0
July	29.837	30.098	29.582	56.3	73.8	75.3	55.0	65.2	87	47	52	52	84	48	.385	.396	.53	.35	4.8	3.6	4.9
August	29.808	30.030	29.627	53.4	70.6	71.9	52.0	62.0	90	44	50	52	89	54	.363	.393	.95	.50	5.0	3.9	5.0
September	29.871	30.164	29.610	49.5	64.8	66.5	47.5	57.0	79	35	46	49	89	58	.316	.357	.18	.15	3.9	5.2	5.0
October	29.822	30.152	29.259	45.7	55.1	57.3	43.1	50.2	75	33	43	46	91	72	.282	.310	3.65	.75	5.3	6.5	7.4
November	29.830	30.179	29.370	45.4	50.7	53.5	42.5	48.0	70	31	43	48	92	90	.286	.339	5.31	2.01	5.9	8.5	8.6
December	29.879	30.373	29.504	37.0	40.6	42.6	33.5	38.0	53	24	35	39	93	92	.209	.237	6.00	.98	4.5	6.7	8.5
Year	29.836	30.373	29.222	45.2	55.8	57.8	42.9	50.4	90	23	42	45	89	69	.276	.304	38.21	2.63	5.6	6.5	6.2

TAMPA, FLA.

[ϕ=27° 57′ N.; λ=82° 27′ W.]

January	30.067	30.269	29.565	53.5	60.8	68.6	51.2	59.9	79	35	48	52	82	74	0.359	0.407	2.14	0.85	5.2	3.4	3.0
February	30.128	30.402	29.802	53.2	58.7	67.3	50.1	58.7	80	33	45	47	76	65	.336	.342	1.10	.33	3.8	2.7	2.2
March	30.117	30.313	29.859	63.9	70.3	80.0	60.5	70.2	87	51	60	60	89	72	.528	.531	.08	.08	3.0	1.1	1.6
April	29.991	30.175	29.743	72.3	75.7	85.1	67.7	76.4	89	59	68	67	86	74	.682	.658	2.07	1.28	3.6	2.1	2.4
May	29.971	30.161	29.729	74.0	77.4	86.9	67.6	77.2	93	54	65	65	75	66	.642	.626	1.81	1.39	3.0	3.1	3.2
June	29.992	30.147	29.885	76.5	78.5	88.2	70.4	79.3	93	67	70	69	82	75	.740	.716	6.18	1.57	3.7	6.3	5.1
July	30.017	30.158	29.804	79.6	80.3	89.5	73.7	81.6	93	67	73	72	81	77	.812	.793	2.75	1.81	3.0	5.9	4.7
August	29.979	30.113	29.849	78.4	79.4	89.1	73.2	81.2	96	68	73	73	84	80	.811	.802	7.48	2.25	3.9	7.4	5.4
September	29.937	30.086	29.680	75.8	77.0	87.2	72.0	79.6	91	70	72	72	87	84	.781	.772	5.73	1.22	5.1	6.7	5.9
October	29.955	30.153	29.710	66.4	70.8	80.6	62.8	71.7	85	51	62	62	85	74	.556	.556	1.18	.62	3.3	1.9	3.6
November	30.074	30.300	29.795	60.5	67.0	76.2	57.8	67.0	83	43	58	59	91	77	.492	.517	1.34	1.21	3.0	3.2	3.9
December	30.093	30.287	29.781	57.5	65.3	73.9	55.4	64.6	81	41	54	57	88	75	.439	.479	.39	.25	4.4	3.7	4.4
Year	30.027	30.402	29.565	67.6	71.8	81.0	63.5	72.3	96	33	62	63	84	74	.598	.600	32.25	2.25	3.8	4.0	3.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

SPRINGFIELD, MO.

[H=1,324 ft.; h_t=98 ft.; h_r=6 ft.; h_a=104 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles		*Mi.*																								
January	12.1	S.	38	W.	0	11	4	2	14	11	2	8	9	1	19	6	6	9	9	5	0	0	7	0	26	0	0
February	13.7	SE.	43	SW.	3	0	3	5	15	7	6	4	18	0	13	7	9	10	8	3	1	0	3	0	16	3	0
March	11.9	S.	33	SW.	0	5	13	1	13	14	4	4	7	1	16	6	9	9	8	1	0	1	0	0	6	3	0
April	10.7	SE.	40	E.	1	11	8	0	14	9	9	6	3	0	9	8	13	13	12	0	0	1	0	0	2	6	0
May	11.7	SE.	48	NW.	3	1	2	4	19	16	7	5	8	0	21	7	3	15	14	0	0	1	0	0	0	9	0
June	10.4	SE.	43	W.	1	3	7	5	21	16	3	0	4	1	16	13	1	15	13	0	0	0	0	0	0	12	0
July	7.4	SE.	34	NW.	0	9	11	2	15	8	7	6	3	1	24	7	0	7	7	0	0	0	0	3	0	5	0
August	7.3	S.	24	W.	0	3	8	6	16	18	5	2	4	0	24	6	1	9	7	0	0	0	0	7	0	9	0
September	8.1	SE.	30	W.	0	1	6	6	28	9	2	3	5	0	15	10	5	9	7	0	0	0	0	0	0	2	0
October	11.4	SE.	34	W.	0	10	6	4	23	6	0	7	6	0	21	3	7	7	6	0	0	1	0	0	0	0	0
November	10.5	W.	34	SW.	0	6	8	3	9	8	8	12	6	0	15	6	9	10	9	1	0	2	1	0	6	4	0
December	10.5	S.	39	NW.	0	6	4	1	11	15	8	6	10	1	16	5	10	5	4	0	0	1	2	0	19	0	0
Year	10.5	SE.	48	NW.	8	66	80	39	198	137	61	63	83	5	209	84	73	118	104	10	1	7	13	10	75	53	0

SYRACUSE, N. Y.

[H=597 ft.; h_t=97 ft.; h_r=65 ft.; h_a=113 ft.]

January	14.8	S.	56	S.	6	1	2	2	5	17	13	9	13	0	5	8	18	19	10	17	0	0	13	0	30	0	0
February	13.9	S.	62	S.	4	3	2	6	11	9	11	6	10	0	4	10	15	20	14	18	0	1	20	0	27	0	0
March	14.8	S.	52	S.	6	1	1	5	5	16	8	19	7	0	4	5	22	20	9	10	0	0	6	0	23	4	0
April	15.3	NW.	54	W.	8	3	2	1	3	12	11	8	20	0	6	8	16	19	14	6	0	0	3	0	16	1	0
May	12.1	S.	42	W.	1	2	3	8	8	12	10	11	8	0	7	9	15	20	16	2	1	0	0	0	2	6	1
June	9.5	S.	50	W.	2	4	2	4	2	19	3	13	13	0	16	9	5	8	6	0	1	0	0	0	0	6	0
July	8.7	S.	46	S.	1	5	5	3	4	18	12	10	5	0	15	12	4	10	9	0	1	0	0	1	0	8	0
August	9.0	S.	36	S.	0	4	4	3	2	20	9	12	7	1	10	13	8	7	5	0	0	0	0	1	0	7	1
September	9.3	S.	36	SE.	0	4	3	2	7	22	9	6	7	0	9	11	10	2	2	[illegible]		0	0	0	0	3	1
October	9.4	S.	37	NW.	0	2	0	5	11	21	4	6	13	0	12	6	13	9	8	0	0	1	0	0	1	1	0
November	14.5	S.	48	W.	2	2	2	1	6	18	10	16	5	0	3	8	19	10	4	4	0	0	0	0	15	0	0
December	14.9	W.	48	W.	4	0	4	4	4	14	12	17	7	0	2	6	23	16	10	12	0	0	11	0	30	0	0
Year	12.2	S.	62	S.	34	31	30	44	68	198	112	133	115	1	93	105	168	160	107	69	3	2	53	2	144	36	3

TACOMA, WASH.

[H=213 ft.; h_t=113 ft.; h_r=104 ft.; h_a=120 ft.]

January	7.2	SW.	38	E.	0	7	6	6	9	11	18	1	4	0	7	9	15	18	17	0	2	4	0	0	5	1	0
February	5.2	SW.	26	SW.	0	7	4	3	6	12	22	1	3	0	7	7	15	20	18	1	3	3	0	0	7	1	0
March	7.3	SW.	38	SW.	0	9	3	1	2	9	29	6	3	0	12	7	12	15	13	0	1	1	0	0	6	0	0
April	6.8	SW.	31	SW.	0	14	6	1	3	4	21	8	2	1	14	10	6	13	8	0	3	1	0	0	0	0	0
May	5.1	SW.	25	SW.	0	11	3	2	3	7	22	11	1	2	6	8	17	17	13	0	0	0	0	0	0	0	0
June	6.4	SW.	20	SW.	0	13	3	0	1	1	24	12	5	1	10	12	8	5	3	0	0	0	0	0	0	1	0
July	6.2	N.	21	SW.	0	30	2	0	0	3	10	6	5	6	13	9	9	5	3	0	0	0	0	0	0	2	0
August	4.5	N.	20	SW.	0	23	1	0	3	0	14	10	6	5	13	11	7	4	4	0	0	0	0	1	0	1	0
September	4.2	N.	22	SW.	0	31	2	0	1	5	9	2	7	3	12	10	8	3	1	0	0	5	0	0	0	0	1
October	4.5	SW.	26	SW.	0	12	4	3	9	8	14	7	2	3	4	8	19	13	13	0	0	5	0	0	0	0	0
November	5.1	SW.	33	SW.	0	8	5	7	7	12	13	2	3	3	0	8	22	13	12	0	0	4	0	0	1	0	0
December	5.7	SW.	30	SW.	0	9	5	2	11	9	19	2	1	4	1	7	23	16	15	0	0	9	0	0	12	0	0
Year	5.7	SW.	38	E.	0	174	44	25	55	81	215	68	42	28	99	106	161	142	120	1	9	32	0	1	31	6	1

TAMPA, FLA.

[H=35 ft.; h_t=79 ft.; h_r=71 ft.; h_a=96 ft.]

January	9.0	NE.	40	W.	2	9	21	1	1	4	8	7	11	0	20	7	4	9	7	0	0	0	0	0	0	1	0
February	9.8	NE.	32	W.	0	4	17	5	2	5	3	7	14	1	20	7	2	7	6	0	0	0	0	0	0	1	0
March	7.7	NE.	35	SW.	0	3	18	3	6	3	9	9	9	2	28	1	2	1	1	0	0	1	0	0	0	0	0
April	8.0	W.	34	NW.	0	3	7	6	6	2	8	14	14	0	22	5	3	7	4	0	0	0	0	0	0	4	0
May	7.9	W.	26	E.	0	4	9	9	6	2	4	16	11	1	17	13	1	5	3	0	0	0	0	7	0	6	0
June	6.5	NE.	34	NE.	0	3	20	14	8	2	3	3	6	1	10	13	7	15	12	0	0	0	0	10	0	16	0
July	6.7	W.	34	SW.	0	8	10	8	6	1	1	17	10	1	9	18	4	14	10	0	0	0	0	13	0	13	0
August	6.7	NE.	26	S.	0	4	14	6	14	5	8	6	5	0	7	17	7	20	14	0	0	0	0	11	0	22	0
September	7.0	NE.	26	E.	0	7	34	7	4	2	1	1	4	0	5	17	8	16	14	0	0	0	0	4	0	9	0
October	9.1	NE.	34	SW.	0	20	28	1	1	1	0	1	10	0	17	9	5	6	4	0	0	0	0	0	0	1	0
November	6.9	NE.	23	NE.	0	6	27	3	2	0	1	5	15	1	16	8	6	6	4	0	0	4	0	0	0	0	0
December	6.8	NE.	23	W.	0	10	19	7	0	5	5	9	6	1	13	12	6	3	2	0	0	1	0	0	0	0	0
Year	7.7	NE.	40	W.	2	81	224	70	56	32	51	95	115	8	184	127	55	109	81	0	0	6	0	45	0	73	0

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

TATOOSH ISLAND, WASH.

[ϕ= 48° 23′ N.; λ= 124° 44′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.865	30.418	28.960	42.9	43.9	46.7	40.2	43.4	51	32	37	37	81	77	0.223	0.223	10.31	1.81	6.9	6.9	7.1
February	29.892	30.346	29.291	41.5	43.8	45.7	39.0	42.4	51	34	36	37	82	77	.217	.223	9.77	1.93	6.9	7.6	7.3
March	29.975	30.384	29.305	42.6	44.8	47.0	39.5	43.2	50	36	39	38	86	79	.238	.232	8.64	2.11	8.2	7.6	7.9
April	29.999	30.404	29.527	44.1	47.7	50.7	41.6	46.2	66	36	39	40	83	75	.239	.249	4.49	1.06	8.1	7.6	7.9
May	29.940	30.241	29.403	46.9	51.0	53.1	45.4	49.2	62	43	42	44	84	77	.269	.287	2.79	.63	9.4	8.6	8.7
June	29.966	30.275	29.686	49.2	52.7	55.0	47.8	51.4	70	45	47	48	92	86	.322	.341	1.84	.47	7.5	6.8	7.8
July	30.014	30.237	29.721	52.3	56.9	59.0	50.2	54.6	65	47	50	52	94	85	.367	.394	.61	.29	5.4	4.5	5.3
August	29.970	30.165	29.745	52.0	54.7	56.7	49.5	53.1	65	46	49	51	91	88	.350	.372	1.10	.75	4.9	5.2	7.8
September	30.019	30.298	29.718	50.6	53.7	56.7	48.5	52.6	66	40	47	49	90	86	.330	.355	2.65	.80	4.6	5.0	6.2
October	29.928	30.282	29.259	48.0	49.3	52.5	45.3	48.9	63	40	44	44	87	83	.294	.291	6.90	1.77	5.4	6.3	6.7
November	29.882	30.302	29.255	48.8	49.1	51.7	46.2	49.0	60	40	45	44	88	85	.307	.298	12.69	3.30	6.7	9.2	7.3
December	29.927	30.426	29.356	42.5	42.9	45.5	39.7	42.6	52	34	38	37	85	79	.234	.221	10.66	2.14	5.7	7.7	6.7
Year	29.948	30.426	29.255	46.8	49.2	51.7	44.4	48.0	70	32	43	43	87	81	.282	.290	72.45	3.30	6.6	6.9	7.2

TAYLOR, TEX.

[ϕ= 30° 35′ N.; λ= 97° 20′ W.]

January	29.499	29.824	29.152	44.4	54.5	61.3	41.5	51.4	78	20	40	....	86	....	0.271	.....	0.83	0.39	4.7	.....	4.5
February	29.514	30.000	29.157	44.9	56.1	62.1	42.0	52.0	78	24	41	....	85	....	.276	.....	4.41	2.89	3.4	.....	4.5
March	29.395	29.815	29.136	59.4	69.0	75.4	56.4	65.9	89	41	58	....	94	....	.497	.....	2.04	1.54	4.0	.....	5.1
April	29.327	29.632	29.021	62.0	71.8	77.7	58.2	68.0	89	37	59	....	91	....	.527	.....	3.36	1.07	5.9	.....	5.1
May	29.259	29.529	28.985	67.3	76.9	84.1	64.4	74.2	91	44	63	....	88	....	.613	.....	8.03	4.55	5.0	.....	3.8
June	29.315	29.567	29.190	75.1	84.4	90.7	73.2	82.0	94	69	73	....	92	....	.802	.....	1.30	.79	4.8	.....	4.0
July	29.409	29.546	29.285	74.0	85.9	92.7	71.7	82.2	98	68	70	....	89	....	.741	.....	.35	.27	3.4	.....	3.6
August	29.366	29.506	29.292	73.5	85.6	92.0	71.4	81.7	96	65	70	....	88	....	.735	.....	1.67	1.07	3.4	.....	3.6
September	29.381	29.6[illegible]	29.225	67.7	79.5	86.0	65.9	76.0	100	45	64	....	88	....	.608	.....	4.30	2.48	4.8	.....	4.4
October	29.455	29.71[illegible]	29.181	55.9	70.4	78.2	54.1	66.2	90	38	52	....	86	....	.420	.....	1.36	.77	2.8	.....	2.4
November	29.486	29.889	29.076	51.4	64.0	72.1	49.2	60.6	82	30	45	....	81	....	.331	.....	2.42	1.75	4.8	.....	3.6
December	29.515	29.897	29.167	47.3	56.3	63.2	44.1	53.6	82	30	42	....	82	....	.286	.....	4.25	3.65	5.8	.....	5.0
Year	29.410	30.000	28.985	60.2	71.2	78.0	57.7	67.8	100	20	56	....	88	....	.509	.....	34.32	4.55	4.4	.....	4.1

THOMASVILLE, GA.

[ϕ= 30° 48′ N.; λ= 83° 58′ W.]

January	29.802	30.106	29.192	43.7	50.9	61.2	39.6	50.4	71	26	38	43	83	76	0.219	0.297	4.73	3.15	5.7	5.0	6.0
February	29.873	30.197	29.431	43.0	50.5	61.6	38.4	50.0	79	23	37	38	80	64	.246	.253	4.66	1.71	4.4	3.7	4.0
March	29.849	30.145	29.429	58.6	66.7	79.0	54.2	66.6	87	40	55	56	89	70	.449	.462	2.08	1.17	4.1	2.2	3.4
April	29.725	29.953	29.385	65.6	71.1	82.0	60.7	71.4	91	40	60	61	84	73	.550	.565	4.62	1.22	6.2	4.4	5.2
May	29.710	29.921	29.483	70.1	74.5	87.4	61.5	74.4	97	41	62	62	76	66	.573	.574	3.91	2.86	3.4	3.9	2.3
June	29.742	29.919	29.587	76.1	78.1	90.7	67.7	79.2	95	60	68	68	76	72	.682	.683	3.00	1.06	3.2	6.5	3.2
July	29.762	29.947	29.608	76.3	77.5	90.9	70.3	80.6	95	67	72	73	88	86	.791	.805	7.40	2.17	5.5	8.3	5.5
August	29.710	29.881	29.555	75.8	78.8	90.4	70.3	80.4	97	61	72	72	88	80	.780	.785	3.03	.72	4.9	6.3	5.7
September	29.719	29.882	29.508	71.2	73.8	85.9	66.3	76.1	95	53	67	68	86	84	.671	.699	4.24	1.37	5.7	5.0	6.0
October	29.760	29.997	29.491	57.2	62.9	76.8	50.9	63.8	88	41	52	54	84	72	.396	.415	1.81	1.42	3.7	2.0	3.0
November	29.842	30.071	29.554	51.2	58.8	73.6	48.5	61.0	85	30	49	52	93	80	.367	.406	.38	.18	2.2	1.8	3.4
December	29.846	30.082	29.521	49.4	56.1	69.0	45.8	57.4	82	29	46	48	88	76	.333	.356	1.04	.38	5.3	3.6	4.6
Year	29.778	30.197	29.192	61.5	66.6	79.0	56.2	67.6	97	23	56	58	85	75	.505	.525	40.90	3.15	4.5	4.4	4.4

TOLEDO, OHIO.

[ϕ= 41° 40′ N.; λ= 83° 34′ W.]

January	29.317	29.849	28.515	24.6	29.3	34.4	21.1	27.8	47	6	20	21	81	69	0.110	0.115	2.80	1.51	6.5	4.6	5.4
February	29.363	30.110	28.509	21.7	26.2	31.1	17.8	24.4	53	1	19	20	87	76	.108	.113	4.55	1.96	6.9	6.3	6.3
March	29.354	29.964	28.652	35.5	42.1	48.3	31.3	39.8	74	22	30	32	81	67	.175	.184	3.35	1.14	6.9	5.8	6.1
April	29.265	29.861	28.684	45.4	50.3	57.4	39.5	48.4	79	25	37	38	74	65	.239	.247	3.07	.81	5.9	5.5	5.3
May	29.214	29.614	28.747	56.7	62.1	68.9	52.4	60.6	88	34	50	52	80	71	.390	.408	4.64	1.04	5.0	6.4	5.5
June	29.371	29.647	29.156	66.5	71.8	78.9	59.6	69.2	92	49	56	58	71	59	.472	.461	2.11	1.01	3.2	3.8	2.7
July	29.382	29.590	28.989	70.6	76.4	82.6	64.9	73.8	97	54	62	62	75	63	.571	.586	3.43	1.86	4.6	3.5	3.6
August	29.356	29.591	29.104	65.8	73.1	80.3	61.0	70.6	94	50	57	59	75	62	.484	.507	7.63	2.88	3.6	3.2	2.7
September	29.412	29.647	28.972	61.9	71.0	79.1	59.0	69.0	92	40	52	53	71	55	.399	.420	.38	.37	1.3	1.3	2.0
October	29.471	29.848	29.129	47.6	56.9	62.6	45.2	53.9	82	34	39	42	74	61	.244	.284	1.34	.88	3.4	3.2	3.5
November	29.354	29.800	28.905	37.6	43.7	50.6	33.8	42.2	69	20	30	32	74	63	.176	.190	.78	.29	5.7	4.7	5.2
December	29.355	29.844	28.799	29.6	32.7	38.0	24.9	31.4	51	9	24	24	77	69	.129	.130	1.80	.71	7.4	6.5	6.6
Year	29.351	30.110	28.509	47.0	53.0	59.4	42.5	50.9	97	1	40	41	77	65	.291	.302	35.88	2.88	5.0	4.6	4.6

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued

TATOOSH ISLAND, WASH.

[H=86 ft.; h_t=7 ft.; h_r=4 ft.; h_a=57 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.a	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorm.	Aurora.
	Miles.		*Mi.*																								
January	24.0	E.	76	S.	16	0	2	35	8	6	7	3	1	0	7	3	21	21	21	0	1	0	0	0	0	0	0
February	16.9	E.	56	S.	8	1	9	17	5	9	8	6	3	0	7	2	20	21	20	1	1	0	0	0	0	0	0
March	17.5	S.	54	S.	10	2	10	10	3	13	13	9	2	0	4	6	21	24	21	0	0	3	0	0	0	0	0
April	15.3	SW.	60	S.	8	1	6	7	3	13	12	12	6	0	2	8	20	17	13	0	0	4	0	0	0	0	0
May	13.8	S.	50	S.	2	0	1	7	4	18	8	18	5	1	1	5	25	17	11	0	0	0	0	0	0	0	0
June	9.9	SW.	35	W.	0	0	3	3	3	15	23	11	2	0	2	9	19	12	9	0	0	11	0	0	0	0	0
July	10.4	S.	36	S.	0	1	2	1	0	20	21	14	3	0	12	8	11	7	3	0	0	18	0	0	0	0	0
August	12.2	SW.	35	NE.	0	1	6	2	1	19	28	4	1	0	3	6	22	7	6	0	0	18	0	0	0	1	0
September	10.0	S.	46	S.	1	1	7	2	3	16	14	13	4	0	6	11	13	12	11	0	0	12	0	0	0	0	1
October	16.9	NE.	54	S.	11	2	17	10	1	16	8	3	4	1	6	7	18	15	13	0	1	6	0	0	0	0	0
November	22.3	S.	74	S.	14	0	15	16	7	18	4	0	0	0	7	5	18	19	18	0	2	1	0	0	0	0	0
December	23.5	E.	90	SW.	15	0	4	32	6	8	3	7	2	0	7	11	13	18	17	1	0	0	0	0	0	0	0
Year	16.1	S.	90	SW.	85	9	82	142	44	171	149	100	33	2	64	81	221	190	163	2	5	73	0	0	0	1	1

TAYLOR, TEX.

[H=583 ft.; h_t=55 ft.; h_r=48 ft.; h_a=63 ft.]

January	9.5	N.	48	NW.	2	13	1	0	0	6	4	2	5	0	15	6	10	7	4	0	0	1	0	0	6	1	0
February	10.0	NW.	36	NW.	0	4	3	1	3	7	2	1	8	0	15	4	10	9	6	0	0	2	0	0	4	5	0
March	12.4	S.	32	SW.	0	4	0	3	3	17	3	0	1	0	11	11	9	6	5	0	0	0	0	0	0	2	0
April	9.7	S.	34	N.	0	5	3	1	3	10	4	2	2	0	9	11	10	9	8	0	2	1	0	0	0	4	0
May	11.8	S.	42	NE.	1	1	1	1	6	14	3	0	5	0	15	11	5	9	5	0	1	1	0	1	0	9	0
June	10.3	S.	32	S.	0	1	1	1	12	14	0	0	1	0	15	12	3	4	3	0	0	0	0	20	0	4	0
July	6.7	S.	27	S.	0	4	3	1	3	10	3	3	3	1	17	11	3	3	2	0	0	0	0	27	0	10	0
August	6.7	S.	33	SW.	0	4	1	1	3	11	4	2	2	3	19	7	5	10	4	0	0	0	0	25	0	8	0
September	6.1	N.	25	N.	0	7	7	1	3	3	0	2	5	2	13	9	8	12	9	0	0	0	0	12	0	6	0
October	7.5	SE.	27	NW.	0	7	1	3	7	5	1	0	5	2	21	6	4	5	4	0	0	1	0	0	0	3	0
November	8.4	S.	30	S.	0	7	2	1	2	9	5	1	3	0	14	10	6	6	4	0	0	0	0	0	2	2	0
December	8.2	N.	32	S.	0	14	1	3	0	4	5	0	4	0	13	8	10	8	5	0	0	3	0	0	1	2	0
Year	8.9	S.	48	NW.	3	71	24	17	45	110	34	13	44	8	177	106	83	88	59	0	3	9	0	85	13	56	0

THOMASVILLE, GA.

[H=273 ft.; h_t=8 ft.; h_r=4 ft.; h_a=57 ft.]

January	6.6	NW.	32	S.	0	3	11	5	5	10	6	7	14	1	8	10	13	9	8	0	0	3	0	0	6	2	0
February	7.6	NW.	38	SW.	0	4	8	7	3	7	5	9	15	0	16	6	7	11	8	0	0	3	0	0	7	2	0
March	6.5	S.	26	SW.	0	3	5	7	7	25	10	2	3	0	20	7	4	5	5	0	0	4	0	0	0	2	0
April	5.7	SW.	27	NW.	0	3	4	6	6	8	15	9	9	0	11	11	8	9	8	0	0	6	0	1	0	8	0
May	4.9	SW.	26	SW.	0	2	2	4	11	11	16	8	8	0	23	6	2	5	5	0	0	2	0	14	0	6	0
June	4.4	E.	23	E.	0	4	10	10	7	9	8	8	4	0	15	14	1	11	10	0	0	0	0	21	0	15	0
July	4.5	SW.	28	SW.	0	5	6	11	7	3	12	12	6	0	6	18	7	18	17	0	0	0	0	20	0	25	0
August	4.4	SE.	21	SW.	0	9	7	5	10	14	5	8	4	0	5	18	8	12	9	0	0	2	0	19	0	10	0
September	5.1	NE.	22	E.	0	7	22	12	3	6	4	2	4	0	9	6	15	14	9	0	0	4	0	8	0	7	0
October	4.8	NE.	19	W.	0	18	22	4	1	3	2	4	8	0	21	3	7	5	4	0	0	0	0	0	0	2	0
November	4.5	E.	17	SW.	0	1	9	14	4	8	6	9	9	0	18	8	4	5	3	0	0	10	0	0	1	0	0
December	5.4	NW.	24	SW.	0	11	4	7	10	7	9	3	11	0	12	11	8	8	6	0	0	10	0	0	3	0	0
Year	5.4	S.	38	SW.	0	70	110	92	74	111	98	81	95	1	164	118	84	112	92	0	0	44	0	83	17	79	0

TOLEDO, OHIO.

[H=628 ft.; h_t=207 ft.; h_r=201 ft.; h_a=246 ft.]

January	16.6	SW.	42	NE.	2	1	2	3	2	9	22	8	15	0	13	7	11	10	8	8	0	0	9	0	29	0	0
February	17.5	SW.	55	SW.	3	2	8	7	4	4	12	11	10	0	8	6	15	15	9	12	0	2	18	0	27	0	0
March	16.3	SW.	57	SW.	4	4	1	10	2	6	21	10	8	0	8	11	12	11	9	0	1	1	1	0	19	4	0
April	17.9	SW.	60	SW.	8	3	5	6	4	6	17	13	6	0	10	9	11	14	10	2	0	1	0	0	6	3	0
May	13.7	SW.	49	W.	4	3	8	12	7	7	13	5	7	0	8	12	11	19	15	0	0	1	0	0	0	11	0
June	13.4	SW.	52	S.	2	8	2	11	3	9	13	7	7	0	21	8	1	5	4	0	0	0	0	2	0	6	0
July	11.3	SW.	48	SW.	2	9	7	13	4	5	13	6	5	0	18	9	4	11	9	0	0	0	0	5	0	8	0
August	11.2	SW.	51	SW.	1	8	6	5	5	9	10	5	14	0	20	6	5	10	9	0	0	0	0	3	0	8	0
September	12.5	SW.	40	S.	1	8	7	6	5	6	19	4	5	0	25	4	1	2	1	0	0	1	0	3	0	3	0
October	12.5	SW.	30	W.	0	7	2	8	8	13	5	9	10	0	18	7	6	4	3	0	0	2	0	0	0	0	0
November	16.5	SW.	54	S.	3	3	0	2	4	11	26	8	6	0	11	9	10	10	5	4	0	2	0	0	13	1	0
December	17.0	SW.	44	W.	2	1	4	2	5	6	21	17	6	0	7	8	16	9	8	5	0	1	7	0	27	0	0
Year	14.7	SW.	60	SW.	32	57	52	85	53	91	192	103	99	0	167	96	103	120	90	31	1	11	25	13	121	41	3

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

TONOPAH, NEV.

[ϕ=38° 4′ N.; λ=117° 14′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	In.	In.	°	°	°	°	°	°	°	°	°	%	%	In.	In.	In.	In.			
January	24.076	24.462	23.750	30.4	35.6	38.7	28.5	33.6	48	14	22	24	73	67	0.121	0.133	1.10	0.39	4.1	5.8	5.1
February	24.028	24.326	23.600	27.5	34.7	37.0	25.8	31.4	53	11	24	28	86	77	.128	.155	1.04	.32	4.7	4.8	4.5
March	24.073	24.450	23.623	33.8	48.1	50.1	31.8	41.0	68	15	21	21	60	38	.113	.117	.22	.20	2.4	2.9	3.1
April	24.052	24.252	23.770	39.9	58.4	60.7	37.8	49.2	72	18	19	20	44	24	.108	.105	.38	.38	2.2	2.7	2.4
May	23.956	24.103	23.626	38.5	55.0	58.4	36.3	47.4	73	24	22	21	52	29	.115	.111	.46	.38	3.6	4.0	3.6
June	24.026	24.247	23.643	50.9	71.4	73.4	49.1	61.2	85	26	23	23	35	18	.120	.123	T.	T.	1.8	3.6	3.3
July	24.159	24.275	24.002	64.5	84.1	86.9	63.4	75.2	94	58	35	33	38	19	.225	.205	.92	.40	2.6	4.6	3.6
August	24.128	24.269	23.842	61.0	79.5	82.6	59.2	70.9	94	39	35	32	41	20	.224	.193	.30	.19	2.3	3.8	2.9
September	24.134	24.300	23.796	53.8	69.4	71.8	51.2	61.5	87	32	34	34	49	28	.201	.196	.74	.32	2.0	4.1	3.7
October	24.079	24.283	23.673	39.9	53.6	56.3	37.5	46.9	72	21	22	22	49	29	.115	.116	.06	.06	2.3	2.7	3.1
November	24.115	24.305	23.752	37.2	45.8	50.1	34.9	42.5	64	13	18	19	47	35	.097	.100	T.	T.	1.9	3.4	3.4
December	24.089	24.352	23.800	28.4	34.6	37.9	25.9	31.9	51	7	20	19	70	53	.106	.102	.08	.04	3.4	4.4	4.1
Year	24.076	24.462	23.600	42.2	55.8	58.7	40.1	49.4	94	7	25	25	54	36	.139	.138	5.30	.40	2.8	3.9	3.6

TOPEKA, KANS.

[ϕ=39° 3′ N.; λ=95° 41′ W.]

January					36.6	44.7	23.3	34.0	60	8							0.09	0.06			3.6
February					37.6	44.9	25.6	35.2	63	3							2.40	.87			4.9
March					51.7	60.9	35.4	48.2	83	19							.68	.40			4.7
April					60.0	66.6	45.2	55.9	83	22							2.05	.74			4.8
May					67.4	72.7	54.2	63.4	87	36							9.07	1.63			4.5
June					75.7	81.0	62.7	71.8	89	54							9.80	3.16			3.9
July					79.2	86.2	65.9	76.0	95	52							3.91	1.59			3.2
August					78.5	85.8	65.7	75.8	96	57							7.76	4.44			3.4
September					73.8	82.4	58.9	70.6	94	35							.19	.13			2.7
October					56.9	65.2	44.7	55.0	86	31							4.23	1.18			4.3
November					47.0	55.9	34.6	45.2	79	19							2.83	1.26			3.8
December					38.7	45.7	26.6	36.2	61	9							.19	.11			3.7
Year					58.6	66.0	45.2	55.6	96	3							43.20	4.44			4.0

VALENTINE, NEBR.

[ϕ=42° 50′ N.; λ=100° 32′ W.]

January	27.289	27.779	26.900	21.1	32.1	42.0	16.1	29.0	63	− 3	16	18	82	58	0.092	0.102	0.16	0.07	3.5	3.9	4.1
February	27.289	27.566	26.882	18.4	30.5	37.2	14.4	25.8	66	−12	14	20	83	66	.088	.111	.40	.15	3.9	5.1	5.0
March	27.266	27.749	26.768	26.5	41.0	48.5	22.2	35.4	80	− 1	22	24	82	56	.119	.132	1.19	.52	4.5	5.1	5.2
April	27.220	27.629	26.420	35.9	57.7	63.3	33.6	48.4	89	6	30	27	78	37	.177	.152	.96	.47	2.9	3.4	3.6
May	27.151	27.490	26.722	44.4	61.7	65.7	41.1	53.4	90	28	40	39	85	49	.261	.255	4.78	2.17	4.8	5.4	4.8
June	27.210	27.640	26.764	57.1	69.3	75.2	53.1	64.2	94	44	52	51	83	57	.392	.387	2.91	.83	4.4	5.2	5.4
July	27.364	27.672	27.000	62.4	78.7	84.0	59.0	71.5	101	49	57	56	85	48	.477	.453	2.33	.96	3.1	3.0	4.0
August	27.312	27.593	27.006	58.5	75.6	81.6	55.6	68.6	100	43	52	55	82	51	.406	.407	1.97	.90	2.9	3.8	3.8
September	27.293	27.640	26.954	54.0	76.6	83.4	51.5	67.4	99	25	44	43	71	33	.305	.288	.11	.07	2.4	2.2	2.7
October	27.288	27.663	26.631	37.8	52.6	60.1	34.0	47.0	88	17	32	31	80	50	.184	.180	2.64	2.53	4.5	3.5	4.2
November	27.326	27.897	26.827	28.8	39.4	50.7	23.3	37.0	73	5	22	22	76	53	.121	.122	.68	.34	2.9	2.9	3.1
December	27.306	27.770	26.950	19.8	26.2	35.5	13.4	24.4	49	−13	16	21	86	80	.093	.116	1.38	.93	3.4	3.8	4.2
Year	27.276	27.897	26.420	38.7	53.4	60.6	34.8	47.7	101	−13	33	34	81	53	.226	.225	19.51	2.53	3.6	3.9	4.2

VICKSBURG, MISS.

[ϕ=32° 22′ N.; λ=90° 53′ W.]

January	29.827	30.258	29.164	43.6	50.9	57.4	40.0	48.7	73	26	36	36	74	60	0.224	0.228	3.59	1.47	6.0	4.9	5.6
February	29.873	30.390	29.372	44.6	53.6	58.7	41.7	50.2	74	24	35	40	69	62	.220	.272	3.39	3.57	5.8	4.2	5.9
March	29.800	30.226	29.472	58.0	68.2	73.3	56.5	64.9	87	39	54	60	88	75	.440	.529	6.76	4.00	6.8	3.6	5.4
April	29.717	30.010	29.275	63.5	71.1	77.8	60.5	69.2	86	45	59	59	85	68	.518	.527	4.66	2.16	7.1	5.2	5.6
May	29.685	29.879	29.373	66.8	74.8	79.8	63.7	71.8	89	46	62	63	84	68	.509	.588	7.35	3.39	5.8	4.5	4.8
June	29.744	29.909	29.592	74.2	81.7	87.7	69.7	78.7	93	64	68	69	83	66	.699	.706	3.71	1.12	4.2	5.1	3.3
July	29.766	29.937	29.619	75.6	81.3	87.9	72.3	80.1	95	68	71	70	86	71	.760	.744	3.23	.88	5.2	7.6	5.4
August	29.719	29.899	29.564	74.6	80.9	88.3	72.1	80.2	96	67	71	71	88	74	.759	.772	3.71	1.64	4.8	5.4	4.7
September	29.743	29.976	29.544	69.2	76.9	85.4	67.3	76.4	95	49	64	66	84	71	.613	.659	.97	.34	4.4	5.4	4.7
October	29.828	30.100	29.663	53.3	66.4	74.3	51.8	63.0	85	41	47	48	80	53	.335	.344	.04	.03	1.9	1.7	2.0
November	29.855	30.145	29.541	51.7	62.7	69.7	50.7	60.2	81	28	47	47	84	58	.347	.345	2.83	.99	4.6	3.7	5.0
December	29.876	30.257	29.551	48.0	55.7	61.9	44.8	53.4	77	32	41	40	77	59	.282	.274	3.98	1.88	5.5	5.0	5.8
Year	29.786	30.390	29.164	60.3	68.7	75.2	57.6	66.4	96	24	55	56	82	65	.481	.499	49.22	4.00	5.2	4.7	4.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

TONOPAH, NEV.

[H=6,090 ft.; h_t=12 ft.; h_r=9 ft.; h_a=20 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	9.2	SE.	34	NW.	0	1	0	2	41	1	3	9	5	0	9	13	9	7	6	7	0	0	6	0	23	0	0
February	11.2	SE.	36	SE.	0	1	0	2	32	1	1	7	14	0	10	11	8	8	7	8	0	0	7	0	26	0	0
March	9.5	W.	47	NW.	1	0	0	0	13	3	2	28	16	0	19	11	1	2	1	2	0	1	3	0	19	0	0
April	9.9	NW.	40	NW.	1	3	1	1	16	3	6	12	18	0	20	9	1	1	1	1	0	0	0	0	7	0	0
May	13.6	NW.	52	NW.	6	2	0	0	11	1	0	19	29	0	14	15	2	2	2	2	0	0	0	0	11	0	0
June	9.4	W.	41	NW.	1	2	0	2	10	2	3	24	17	0	13	17	0	0	0	0	0	0	0	0	2	0	0
July	7.4	SE.	32	W.	0	3	0	5	25	4	4	15	6	0	16	14	1	9	6	0	0	0	6	0	8	0	0
August	7.9	SE.	37	SE.	0	0	2	6	24	6	2	13	9	0	18	11	2	3	3	0	0	0	0	3	0	5	0
September	8.0	SE.	37	NW.	0	0	0	1	35	2	2	9	11	0	14	14	2	6	5	0	0	0	0	0	0	4	0
October	10.1	SE.	46	NW.	1	0	2	0	25	3	2	15	15	0	18	9	4	1	1	1	0	0	0	0	9	0	0
November	7.6	SE.	43	NW.	1	0	0	0	28	2	3	19	8	0	16	11	3	0	0	0	0	0	3	0	8	0	0
December	7.6	SE.	30	SE.	0	0	0	0	27	5	5	17	8	0	15	8	8	2	2	2	0	0	5	0	25	0	0
Year	9.3	SE.	52	NW.	11	12	5	19	287	33	33	187	156	0	182	143	41	41	34	23	0	1	24	9	130	17	0

TOPEKA, KANS.

[H=983 ft.; h_t=85 ft.; h_r=76 ft.; h_a=101 ft.]

January	10.3	S.	34	NW.	0	4	1	2	1	11	3	0	9	0	17	8	6	2	1	1	0	0	2	0	29	0	0
February	10.7	NW.	37	NW.	0	1	2	2	8	3	1	2	10	0	10	11	8	11	8	2	0	0	2	0	20	0	0
March	9.8	SW.	39	W.	0	4	6	5	0	5	5	1	5	0	12	14	5	3	2	0	0	4	0	0	10	2	0
April	10.2	S.	38	NW.	0	6	3	3	3	8	1	2	4	0	12	12	6	9	7	0	0	1	0	0	3	4	0
May	10.4	S.	34	W.	0	5	1	6	5	5	5	1	3	0	16	5	10	15	13	0	2	1	0	0	0	10	0
June	10.0	S.	45	SW.	1	2	3	2	10	9	1	0	3	0	11	18	1	17	13	0	0	0	0	0	0	13	0
July	7.5	SE.	31	SW.	0	4	6	4	6	6	3	0	2	0	18	11	2	7	7	0	0	0	0	11	0	8	0
August	7.8	SE.	51	NW.	1	5	4	6	10	4	1	1	0	0	15	14	2	10	10	0	0	0	0	9	0	8	0
September	7.6	S.	36	NW.	0	0	1	4	7	9	3	0	6	0	19	8	3	3	2	0	0	0	0	2	0	0	3
October	12.0	S.	44	SW.	2	3	3	1	5	8	4	0	7	0	15	8	8	9	7	3	0	3	0	0	4	2	0
November	8.8	NW.	35	W.	0	4	3	3	1	6	3	4	6	0	15	10	5	6	6	0	0	4	0	0	8	3	0
December	9.4	S.	34	NW.	0	2	2	1	4	3	7	6	6	0	17	8	6	4	3	0	0	0	4	0	24	0	0
Year	9.5	S.	51	NW.	4	40	35	39	60	77	37	17	61	0	177	127	62	96	79	6	2	13	8	22	98	50	3

VALENTINE, NEBR.

[H=2,598 ft.; h_t=47 ft.; h_r=36 ft.; h_a=54 ft.]

January	12.0	NW.	44	NW.	4	4	1	0	3	5	9	14	25	1	13	14	4	4	2	3	0	0	5	0	31	0	0
February	11.8	NW.	40	NW.	1	9	2	8	5	8	1	7	18	0	9	14	6	7	3	5	0	1	8	0	28	0	0
March	11.3	NW.	44	NW.	2	15	4	5	3	2	5	11	16	1	7	16	8	10	8	7	1	3	4	0	26	0	0
April	14.1	NW.	51	NW.	4	8	3	6	3	7	4	6	23	0	16	10	4	6	4	3	2	0	1	0	13	2	0
May	12.5	E.	52	NW.	5	9	10	11	7	7	0	10	7	1	12	14	5	11	9	2	0	4	0	1	8	8	0
June	11.8	S.	44	S.	2	6	6	7	10	13	1	9	8	0	6	19	5	17	10	0	0	1	0	2	0	12	0
July	9.7	S.	44	N.	1	8	7	11	8	11	8	3	6	0	10	20	1	8	7	0	2	1	0	9	0	10	0
August	9.6	S.	52	S.	2	7	7	8	10	9	8	7	5	1	13	16	2	13	10	0	0	0	0	7	0	14	0
September	11.0	S.	36	S.	0	6	7	2	3	16	6	8	10	2	22	7	1	3	1	0	0	0	0	11	1	1	1
October	11.9	NW.	48	SW.	2	5	3	5	9	7	7	9	17	0	13	13	5	3	2	0	0	0	0	0	14	1	0
November	9.9	W.	40	NW.	1	1	2	1	1	2	6	21	24	2	20	9	1	5	3	4	0	0	4	0	24	0	0
December	9.3	W.	36	NW.	0	4	2	2	1	1	7	31	10	4	13	15	3	5	3	5	0	1	10	0	31	0	0
Year	11.2	NW.	52	NW.	24	82	54	66	63	88	62	136	169	12	154	167	45	92	62	29	5	11	32	30	176	48	1

VICKSBURG, MISS.

[H=247 ft.; h_t=62 ft.; h_r=53 ft.; h_a=74 ft.]

January	7.8	SE.	41	W.	1	9	10	5	12	6	1	9	9	1	8	12	11	11	7	0	0	1	0	0	6	1	0
February	9.3	SE.	38	NW.	0	3	5	6	17	5	2	4	16	0	10	7	12	10	10	0	0	0	0	0	4	4	0
March	7.9	S.	27	NW.	0	3	5	6	5	25	11	3	4	0	6	18	7	8	7	0	0	0	0	0	0	1	0
April	7.0	S.	31	NW.	0	5	8	4	10	16	10	4	3	0	8	9	13	12	8	0	0	0	0	0	0	9	0
May	7.3	SE.	37	NW.	0	1	2	4	22	14	9	2	8	0	15	5	11	10	10	0	0	1	0	0	0	6	0
June	5.7	SE.	46	NW.	2	3	6	10	26	4	5	4	2	0	18	10	2	11	10	0	0	0	0	7	0	13	0
July	5.6	E.	28	SW.	0	5	6	18	3	12	10	4	4	0	9	13	9	13	10	0	0	1	0	10	0	12	0
August	4.5	N.	25	NW.	0	11	8	7	6	8	6	9	7	0	12	11	8	8	5	0	0	0	0	11	0	11	0
September	5.5	E.	25	NW.	0	11	15	24	2	0	3	1	4	0	10	13	7	9	7	0	0	1	2	0	0	7	0
October	5.7	N.	20	W.	0	16	6	16	3	4	1	3	13	0	23	5	3	2	0	0	0	0	0	0	0	1	0
November	7.0	SW.	23	S.	0	6	8	4	11	11	12	2	6	0	13	7	10	8	7	0	0	0	2	0	0	2	0
December	7.1	E.	29	NW.	0	11	10	11	8	9	2	4	7	0	9	9	13	10	8	0	0	3	0	0	1	1	0
Year	6.7	SE.	46	NW.	3	84	89	115	125	114	72	49	83	1	141	119	106	112	89	0	1	10	0	35	13	69	0

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

WALLA WALLA, WASH.

[ϕ=46° 2′ N.; λ=118° 20′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.058	29.517	28.523	35.3	38.5	43.6	29.6	36.6	58	7	32	34	88	85	0.184	0.202	0.67	0.26	5.6	5.6	6.4
February	29.014	29.412	28.436	34.4	43.3	46.5	31.0	38.8	61	2	31	35	87	74	.176	.211	2.07	.64	6.8	6.9	6.5
March	29.013	29.447	28.414	41.6	51.5	54.7	37.7	46.2	72	27	33	35	75	54	.196	.209	1.53	.86	6.1	6.1	5.7
April	28.993	29.314	28.516	45.7	62.9	65.4	43.1	54.2	80	31	34	31	63	34	.196	.182	.38	.14	4.5	4.0	3.9
May	28.889	29.142	28.355	47.2	64.9	67.3	45.4	56.4	90	40	36	33	66	33	.213	.193	.98	.45	5.9	5.9	5.5
June	28.874	29.253	28.600	55.8	76.4	78.4	53.8	66.1	98	41	44	40	66	30	.297	.257	.84	.30	4.1	3.3	3.6
July	28.919	29.161	28.674	66.0	90.1	91.9	64.2	78.0	105	49	52	46	63	25	.395	.320	.49	.49	2.4	2.5	2.3
August	28.899	29.173	28.693	63.2	84.9	86.3	61.5	73.9	100	48	50	46	63	31	.367	.315	.22	.13	2.6	2.2	2.7
September	28.963	29.272	28.642	57.0	76.4	78.3	54.4	66.4	95	37	47	50	70	44	.330	.369	.40	.16	2.9	4.2	3.9
October	28.980	29.328	28.391	47.0	58.1	62.0	43.9	53.0	84	31	39	41	76	58	.244	.265	2.11	.60	4.1	5.6	5.5
November	29.049	29.371	28.654	42.5	49.8	55.0	38.9	47.0	78	28	36	39	80	68	.218	.240	1.01	.30	5.3	5.4	5.7
December	29.116	29.574	28.762	32.2	34.9	38.9	29.6	34.2	61	15	27	29	83	80	.148	.161	.96	.69	7.5	8.1	8.0
Year	28.981	29.574	28.355	47.3	61.0	64.0	44.4	54.2	105	2	38	38	73	51	.247	.244	11.66	.86	4.8	5.0	5.0

WASHINGTON, D. C.

[ϕ=38° 54′ N.; λ=77° 3′ W.]

January	29.915	30.477	28.806	29.9	35.1	42.6	25.9	34.2	58	11	21	23	68	60	0.118	0.127	3.45	1.33	6.0	4.8	5.4
February	30.005	30.751	28.912	28.3	32.1	37.7	23.9	30.8	67	6	19	19	69	58	.120	.110	3.98	.84	5.9	4.4	5.2
March	29.991	30.516	29.483	41.8	49.1	56.8	38.0	47.4	80	25	35	35	77	60	.214	.218	2.45	.69	7.2	4.8	5.9
April	29.847	30.413	29.276	51.6	59.0	67.8	45.0	56.4	87	29	41	41	68	54	.283	.285	1.60	.51	5.4	4.5	4.4
May	29.822	30.117	29.444	61.2	67.1	74.3	56.3	65.3	92	39	54	56	79	69	.456	.484	6.10	3.06	6.7	6.0	5.5
June	29.946	30.213	29.701	69.4	74.2	82.0	61.6	71.8	97	52	60	62	74	66	.539	.559	1.73	1.00	4.7	3.6	3.9
July	29.945	30.122	29.626	74.7	78.2	87.4	68.6	78.0	99	57	67	66	78	69	.670	.652	3.29	1.52	6.2	5.3	5.8
August	29.904	30.181	29.611	69.8	73.7	82.0	64.3	73.2	95	52	64	66	81	77	.597	.650	5.14	2.86	6.0	5.1	5.6
September	29.993	30.275	29.686	61.5	65.9	77.0	56.3	66.6	86	41	56	60	84	82	.471	.527	4.65	3.02	5.1	3.4	4.3
October	30.019	30.466	29.520	52.1	57.3	68.7	47.7	58.2	86	34	47	50	83	76	.333	.372	1.71	.95	5.2	3.7	4.1
November	29.969	30.325	29.495	39.8	48.1	56.3	35.7	46.0	72	19	32	36	75	63	.193	.226	.60	.55	4.1	3.1	4.7
December	29.976	30.475	29.433	34.0	37.6	44.6	29.3	37.0	69	18	27	26	75	62	.152	.141	3.63	1.15	6.4	5.0	5.9
Year	29.944	30.751	29.276	51.2	56.4	64.8	46.0	55.4	99	6	44	45	76	66	.346	.363	38.33	3.06	5.7	4.5	5.1

WICHITA, KANS.

[ϕ=37° 41′ N.; λ=97° 20′ W.]

January	28.662	29.186	28.214	30.8	41.2	49.1	26.1	37.6	60	10	23	24	70	49	0.126	0.131	0.16	0.16	3.6	3.0	3.4
February	28.631	29.069	28.133	31.3	43.7	49.6	29.0	39.3	70	5	25	30	75	62	.142	.184	2.50	1.18	4.6	4.8	5.8
March	28.587	29.209	28.115	39.7	57.4	64.2	37.0	50.6	85	20	32	36	76	48	.191	.230	.80	.75	5.5	5.1	5.5
April	28.537	28.943	27.822	49.3	62.2	66.8	46.5	56.6	85	26	43	46	79	57	.304	.336	1.77	1.07	7.6	5.6	6.5
May	28.413	28.676	28.022	58.5	70.2	75.2	55.4	65.3	89	37	53	55	82	61	.425	.452	9.28	3.98	5.3	5.0	5.4
June	28.521	28.937	28.188	67.2	78.4	82.0	64.2	73.1	89	57	62	64	85	63	.567	.615	5.85	2.17	6.5	5.4	5.7
July	28.636	28.907	28.437	69.4	80.8	86.4	66.7	76.6	94	55	63	65	81	60	.585	.628	2.96	.72	5.3	4.7	5.2
August	28.582	28.731	28.326	69.0	82.1	88.0	66.2	77.1	99	58	63	63	81	54	.577	.585	6.57	4.32	3.9	3.6	4.3
September	28.642	28.874	28.394	61.9	72.9	80.6	59.6	70.1	92	37	58	59	88	62	.498	.514	3.21	1.57	3.7	2.9	4.0
October	28.633	28.963	28.240	49.0	59.2	66.5	46.0	56.2	83	30	42	44	79	60	.246	.306	2.24	.67	4.9	3.0	4.8
November	28.652	29.218	28.006	38.0	50.2	57.2	35.4	46.3	78	19	32	33	78	54	.186	.194	2.34	1.40	3.8	2.7	4.6
December	28.681	29.226	28.252	30.6	42.4	48.3	27.7	38.0	64	11	24	27	74	54	.129	.148	.03	.03	3.8	3.6	4.2
Year	28.598	29.226	27.822	49.6	61.7	67.8	46.6	57.2	99	5	43	46	79	57	.331	.360	37.71	4.32	4.9	4.1	5.0

WILLISTON, N. DAK.

[ϕ=48° 9′ N.; λ=103° 35′ W.]

January	27.971	28.524	27.563	11.6	19.9	28.6	5.1	16.8	48	−22	8	14	86	79	0.067	0.088	0.04	0.02	3.9	4.2	4.8
February	28.026	28.357	27.603	9.7	18.9	23.5	5.2	14.4	44	−23	8	15	91	83	.065	.086	.39	.18	5.6	7.3	6.9
March	27.982	28.420	27.413	16.2	24.7	31.7	11.0	21.4	55	− 5	13	18	86	75	.080	.100	.79	.25	7.4	6.7	7.9
April	27.918	28.433	27.341	34.7	52.1	56.7	30.9	43.8	90	− 4	27	30	75	50	.151	.175	1.96	1.42	4.9	5.1	5.1
May	27.923	28.249	27.533	44.3	58.2	61.2	38.9	50.0	78	21	37	36	76	50	.230	.225	1.80	.63	5.0	5.4	5.4
June	27.864	28.303	27.471	55.3	66.6	70.4	50.0	60.2	90	32	49	49	79	56	.354	.347	2.64	.87	5.9	6.1	5.8
July	28.009	28.369	27.702	61.5	80.7	84.3	53.9	69.1	99	36	53	51	73	38	.408	.384	.60	.36	2.9	2.9	2.6
August	27.992	28.279	27.677	53.1	73.7	77.3	48.5	62.9	102	32	46	42	78	35	.318	.280	1.11	.58	3.2	4.0	4.2
September	27.966	28.314	27.580	47.8	66.9	74.1	45.3	59.7	101	25	41	42	79	45	.268	.273	2.18	.80	4.9	5.6	4.6
October	27.977	28.399	27.035	33.6	44.3	52.4	31.5	42.0	74	20	31	33	89	67	.175	.195	1.81	.82	6.2	5.9	6.3
November	28.001	28.764	27.501	25.4	33.5	42.8	22.2	32.5	65	− 5	21	24	84	69	.118	.135	.16	.12	5.0	5.5	5.9
December	27.963	28.555	27.476	14.4	20.3	29.2	8.1	18.6	48	−23	11	15	86	80	.076	.090	.01	.01	3.8	3.8	5.5
Year	27.966	28.555	27.035	34.0	46.6	52.7	29.2	41.0	102	−23	29	31	82	61	.192	.198	13.49	1.42	4.9	5.2	5.4

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

WALLA WALLA, WASH.

[H = 1,000 ft.; h_t = 71 ft.; h_r = 63 ft.; h_a = 79 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.[a]	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Aurora.
	Miles.		*Mi.*																								
January	5.3	S.	38	S.	0	7	2	1	8	30	11	2	1	0	8	9	14	12	5	3	0	7	3	0	22	0	0
February	5.5	S.	33	SE.	0	0	4	2	8	28	4	10	2	0	3	14	12	13	9	6	0	4	3	0	14	0	0
March	7.9	S.	34	SW.	0	1	2	2	2	32	15	6	2	0	8	13	10	9	6	3	1	0	0	0	6	0	0
April	6.8	S.	35	SW.	0	3	5	3	5	25	10	6	3	0	15	10	5	8	3	0	0	0	0	0	1	2	0
May	7.1	S.	27	W.	0	0	1	1	12	32	9	3	4	0	9	12	10	9	7	0	0	0	0	0	0	0	0
June	7.4	S.	28	SW.	0	5	4	3	10	18	11	6	3	0	18	8	4	7	5	0	0	0	0	4	0	0	0
July	5.5	S.	24	E.	0	6	6	5	4	20	9	8	4	0	21	8	2	2	2	0	0	0	0	18	0	2	0
August	5.5	S.	22	SW.	0	2	1	1	10	20	15	8	4	1	23	4	4	4	2	0	0	0	0	17	0	2	0
September	5.2	S.	22	SW.	0	2	3	2	18	16	9	7	2	1	17	6	7	7	4	0	0	0	0	6	0	1	3
October	5.4	S.	30	SW.	0	6	6	3	11	19	8	3	3	3	8	12	11	7	7	0	0	0	0	0	2	0	0
November	4.4	S.	24	SE.	0	2	3	6	9	22	11	2	3	2	9	10	11	8	7	0	0	1	1	0	10	0	0
December	5.0	S.	31	SE.	0	1	2	3	5	34	8	5	2	2	4	6	21	10	5	4	0	2	9	0	21	0	0
Year	5.9	S.	38	S.	0	35	39	32	102	296	120	66	33	9	143	112	111	96	62	16	1	14	16	45	76	7	3

WASHINGTON, D. C.

[H = 112 ft.; h_t = 62 ft.; h_r = 42 ft.; h_a = 85 ft.]

January	9.1	NW.	39	NW.	0	5	5	1	6	10	15	4	16	0	10	12	9	10	8	3	0	1	3	0	27	2	0
February	9.0	NW.	36	NW.	0	4	5	3	6	3	7	7	23	0	11	8	10	9	8	4	0	2	5	0	24	0	0
March	7.9	S.	39	NW.	0	5	7	4	11	10	8	3	12	2	8	10	13	11	9	1	0	2	0	0	9	1	0
April	9.3	NW.	43	NW.	1	3	2	2	11	11	11	1	19	0	14	11	5	13	8	0	0	0	0	0	2	1	0
May	6.9	NE.	33	NW.	0	6	6	8	4	7	18	3	10	0	7	17	7	13	12	0	0	1	0	1	0	6	0
June	5.9	NW.	32	NW.	0	2	7	3	9	11	12	3	13	0	15	12	3	8	5	0	0	0	0	3	0	4	0
July	6.1	SW.	30	SE.	0	2	9	7	9	7	13	2	12	1	6	17	8	14	11	0	0	0	0	11	0	11	0
August	5.6	N.	30	NW.	0	12	11	1	7	11	11	2	7	0	11	6	14	9	6	0	0	1	0	5	0	4	0
September	4.8	N.	31	NW.	0	15	10	3	5	4	8	3	10	2	15	8	7	4	3	0	0	4	0	0	2	1	0
October	6.2	NW.	31	NW.	0	12	13	2	4	0	7	4	20	0	17	6	8	7	6	0	0	4	0	0	0	0	0
November	6.7	NW.	37	NW.	0	10	4	2	6	6	9	5	18	0	11	12	7	4	1	1	0	5	0	0	14	0	0
December	6.4	NW.	38	NW.	0	2	7	3	4	12	10	6	18	0	9	7	15	10	8	1	0	3	0	0	24	0	0
Year	7.0	NW.	43	NW.	1	78	86	39	82	92	129	43	178	5	134	126	106	112	85	10	0	23	8	20	100	31	1

WICHITA, KANS.

[H = 1,358 ft.; h_t = 96 ft.; h_r = 90 ft.; h_a = 120 ft.]

January	10.9	S.	38	N.	0	10	4	5	3	19	3	5	13	0	17	12	2	1	1	0	0	1	0	0	26	0	0
February	11.2	NW.	41	N.	1	7	5	5	13	9	3	3	13	0	5	15	9	8	5	1	0	4	2	0	17	0	0
March	9.8	N.	37	SW.	0	14	9	3	7	13	11	2	3	0	8	15	8	2	2	0	0	1	0	0	11	0	0
April	12.7	S.	46	NW.	2	11	7	4	6	16	8	2	6	0	1	18	11	8	7	0	3	0	0	0	2	3	0
May	12.6	S.	56	SW.	2	5	4	6	8	21	9	0	9	0	9	14	8	14	12	0	2	0	0	0	0	10	0
June	12.9	S.	44	SW.	4	5	7	5	15	25	3	0	0	0	3	20	7	13	9	0	1	0	0	0	0	14	0
July	8.7	S.	36	E.	0	9	9	2	9	20	10	0	3	0	7	19	5	9	8	0	0	0	0	10	0	8	0
August	9.3	S.	33	SW.	0	2	15	6	9	22	4	2	2	0	14	13	4	9	6	0	0	0	0	14	0	9	0
September	8.3	SE.	41	SW.	1	5	6	3	29	12	2	0	2	1	16	8	6	7	6	0	0	1	0	3	0	5	0
October	12.3	S.	34	SW.	0	10	5	3	7	20	6	1	10	0	11	14	6	6	6	2	0	0	0	0	2	2	0
November	9.6	N.	29	E.	0	12	7	6	3	7	7	8	10	0	12	12	6	6	6	1	0	2	1	0	8	2	0
December	10.2	S.	35	NW.	0	13	4	1	6	18	6	2	11	1	15	10	6	1	0	0	0	0	3	0	26	0	0
Year	10.7	S.	56	SW.	10	103	82	49	115	202	72	25	82	2	118	170	78	84	68	4	6	9	6	27	92	53	0

WILLISTON, N. DAK.

[H = 1,872 ft.; h_t = 14 ft.; h_r = 4 ft.; h_a = 56 ft.]

January	9.3	NW.	52	NW.	3	4	6	0	4	12	11	9	16	0	13	9	9	3	0	3	0	1	13	0	31	0	0
February	9.8	NW.	36	NW.	0	4	4	7	6	9	9	8	11	0	5	9	15	6	4	6	0	0	24	0	29	0	0
March	11.1	SW.	44	NW.	3	8	6	6	7	7	9	7	10	2	2	8	21	13	5	11	0	1	17	0	30	1	3
April	14.2	NW.	50	W.	3	2	3	4	7	5	10	11	18	0	12	10	8	5	4	3	0	0	2	0	19	0	0
May	11.7	E.	58	N.	2	12	13	21	3	4	5	2	2	0	11	9	11	10	9	2	1	0	0	0	10	4	4
June	11.1	SE.	40	W.	1	1	2	11	12	6	9	10	8	1	10	8	12	12	10	0	0	0	0	1	0	7	0
July	9.2	S.	36	SW.	0	11	6	4	9	11	7	4	10	0	23	6	2	5	3	0	0	0	0	9	0	4	0
August	10.2	N.	67	W.	1	11	6	6	8	7	9	7	7	1	14	12	5	9	6	0	0	1	0	2	1	5	1
September	10.1	E.	38	SW.	0	6	6	11	5	7	7	7	11	0	14	8	8	7	6	1	0	1	0	4	3	2	4
October	10.4	N.	41	W.	1	13	9	1	9	8	7	11	4	0	9	6	16	9	7	1	0	0	1	0	18	0	0
November	10.4	NW.	52	NW.	3	6	0	4	2	12	13	9	14	0	9	10	11	5	2	4	0	0	9	0	27	0	0
December	10.4	SW.	48	NW.	4	1	3	2	7	10	15	16	8	0	10	9	12	1	0	1	0	0	15	0	31	0	0
Year	10.7	NW.	67	W	21	79	64	77	79	98	111	101	119	4	132	104	130	85	56	32	1	4	81	16	199	23	12

[a] By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

WILMINGTON, N. C.

[ϕ=34° 14′ N.; λ=77° 57′ W.]

Month.	Pressure.			Temperature.							Moisture.									
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	29.999	30.110	29.098	39.4	46.6	55.1	36.1	45.6	65	23	32	37	76	69	0.196	0.229	2.92	1.40	4.6	4.3	4.5
February	30.070	30.671	29.387	41.0	46.6	54.1	37.2	45.6	67	21	35	40	79	78	.236	.265	5.68	1.49	5.7	4.0	5.0
March	30.067	30.516	29.686	53.8	58.2	69.2	49.6	59.4	84	31	49	51	85	79	.371	.393	4.71	1.52	4.9	3.6	4.3
April	29.935	30.298	29.442	62.7	65.2	74.2	56.5	65.4	88	39	55	56	77	74	.464	.468	2.08	.92	4.8	4.9	4.9
May	29.903	30.197	29.549	67.9	70.1	79.1	62.4	70.8	89	42	60	62	78	76	.557	.567	2.80	1.26	4.1	5.1	4.7
June	29.979	30.157	29.746	73.0	75.1	83.4	66.8	75.1	93	60	67	67	81	78	.662	.673	5.39	1.92	4.5	4.2	4.5
July	29.964	30.235	29.057	77.4	78.4	85.7	72.2	79.0	93	66	72	72	84	80	.781	.780	9.40	3.55	5.3	5.3	5.5
August	29.937	30.099	29.728	75.6	77.9	85.5	71.2	78.4	92	63	71	72	86	83	.763	.797	9.52	3.05	4.9	6.2	5.4
September	29.989	30.206	29.735	67.0	72.4	80.1	64.0	72.0	88	55	63	65	86	78	.580	.619	1.45	.65	3.9	2.8	4.9
October	29.985	30.337	29.526	57.0	63.4	72.3	54.7	63.5	83	45	53	56	85	77	.421	.456	5.74	2.60	4.1	3.4	4.7
November	30.061	30.357	29.586	50.4	57.0	67.6	47.9	57.8	80	34	44	49	79	76	.306	.372	2.07	1.95	3.0	1.1	3.1
December	30.040	30.400	29.001	46.0	51.7	61.2	41.9	51.6	77	30	40	42	81	71	.270	.287	2.22	.68	5.5	3.9	4.7
Year	29.994	30.671	29.057	59.3	63.6	72.3	55.0	63.7	93	21	53	56	81	77	.467	.492	53.98	3.55	4.6	4.1	4.7

WINNEMUCCA, NEV.

[ϕ=40° 58′ N.; λ=117° 43′ W.]

January	25.670	26.119	25.303	27.8	36.9	43.4	23.7	33.6	53	9	24	30	86	74	0.131	0.163	0.56	0.20	4.7	6.4	6.5
February	25.608	25.977	25.072	27.1	44.6	48.8	23.7	36.2	69	12	22	26	81	51	.118	.142	.23	.12	5.3	6.4	4.9
March	25.665	26.038	25.187	27.0	50.3	55.1	22.2	38.6	75	9	20	24	73	38	.108	.129	.25	.13	3.2	5.8	3.9
April	25.625	25.867	25.216	33.5	61.7	65.2	31.0	48.1	81	12	25	30	71	33	.140	.168	.87	.42	3.5	3.9	2.7
May	25.525	25.710	25.149	36.8	57.3	62.7	33.8	48.2	79	21	29	30	74	38	.161	.166	1.02	.34	4.7	5.3	4.6
June	25.567	25.832	25.225	44.5	69.8	74.3	42.2	58.2	91	30	36	37	74	33	.213	.220	.80	.71	3.5	4.0	3.2
July	25.651	25.815	25.479	58.3	85.3	91.6	56.3	74.0	98	48	40	45	53	26	.258	.300	.29	.25	1.8	3.0	2.3
August	25.623	25.846	25.434	52.5	80.4	86.7	50.1	68.4	100	36	36	42	55	27	.221	.274	.04	.04	2.9	3.3	2.6
September	25.671	25.887	25.294	43.8	69.9	79.6	40.8	58.8	94	19	35	39	73	34	.215	.246	1.23	1.00	3.7	3.7	3.5
October	25.656	25.920	25.221	34.0	53.9	61.8	29.7	45.8	81	16	26	32	75	46	.144	.179	.90	.25	2.2	4.8	3.5
November	25.708	25.904	25.358	24.8	46.7	56.7	20.8	38.8	70	6	19	25	76	44	.102	.130	.20	.16	2.5	4.3	2.9
December	25.693	26.006	25.385	17.8	35.0	44.0	14.5	29.2	55	−5	13	24	82	64	.079	.132	.03	.03	4.7	5.8	5.3
Year	25.638	26.119	25.072	35.7	57.6	63.9	32.4	48.2	100	−5	27	32	73	42	.158	.187	6.42	1.00	3.6	4.7	3.8

WYTHEVILLE, VA.

[ϕ=36° 56′ N.; λ=81° 5′ W.]

January	27.611	28.009	26.854	26.0	30.1	39.7	21.2	30.4	58	3	22	25	85	80	0.124	0.138	3.97	1.42	5.9	4.3	5.5
February	27.661	28.182	26.922	25.2	30.4	36.6	22.1	29.4	61	3	21	25	85	80	.120	.143	2.56	.71	6.3	6.2	6.2
March	27.711	28.170	27.346	42.5	50.9	59.4	37.5	48.4	79	21	40	45	90	82	.259	.314	2.66	.70	6.5	5.0	5.6
April	27.624	27.956	27.219	50.6	56.5	66.1	43.1	54.6	84	27	45	46	81	70	.310	.326	4.89	2.06	5.3	4.3	4.1
May	27.618	27.898	27.246	56.8	62.6	71.9	51.4	61.6	84	35	53	56	88	80	.424	.464	4.10	1.26	4.8	5.7	4.6
June	27.752	27.912	27.552	63.4	67.5	77.5	56.6	67.0	88	46	60	62	88	85	.516	.570	5.74	2.47	5.0	5.8	4.3
July	27.773	27.962	27.616	67.5	71.4	81.4	61.7	71.6	87	52	65	67	91	87	.616	.668	6.30	2.48	5.3	6.6	4.5
August	27.719	27.924	27.514	63.3	67.8	78.0	58.9	68.4	90	48	62	66	95	93	.561	.633	3.74	1.76	4.7	5.9	5.3
September	27.776	28.004	27.476	55.4	61.1	76.2	50.3	63.2	85	34	54	58	94	90	.425	.489	2.08	.99	2.9	2.1	2.8
October	27.750	28.103	27.415	44.5	52.4	64.9	40.5	52.7	80	28	42	48	92	84	.277	.336	6.50	2.67	3.7	3.4	3.7
November	27.716	28.015	27.345	38.7	45.5	55.8	34.7	45.2	72	18	35	40	87	83	.217	.263	1.78	1.08	4.4	3.4	4.2
December	27.679	28.034	27.298	33.7	36.8	43.9	29.7	36.8	62	15	31	33	89	87	.181	.197	3.88	1.32	6.9	5.5	6.2
Year	27.699	28.182	26.854	47.3	52.8	62.6	42.3	52.4	90	3	44	48	89	83	.336	.378	48.20	2.67	5.1	4.8	4.8

YANKTON, S. DAK.

[ϕ=42° 54′ N.; λ=97° 28′ W.]

January	28.713	29.348	28.423	21.2	.....	37.5	14.6	26.0	57	− 5	14	....	73	....	0.084	.....	0.12	0.09	5.0	.....	4.7
February	28.741	29.039	28.216	19.2	.....	31.8	15.9	23.8	54	− 7	15	....	81	....	.092	.....	.99	.69	6.9	.....	6.7
March	28.692	29.250	28.239	28.8	.....	48.0	26.0	37.0	84	− 2	24	....	81	....	.131	.....	1.08	.69	7.7	.....	6.9
April	28.606	29.087	27.801	41.7	.....	63.4	38.6	51.0	88	14	36	....	78	....	.222	.....	2.14	1.23	4.1	.....	4.8
May	28.522	28.855	28.022	50.9	.....	68.6	46.2	57.4	88	25	45	....	80	....	.316	.....	3.84	1.10	7.1	.....	6.5
June	28.592	29.048	28.211	60.9	.....	75.3	55.8	65.6	93	40	56	....	83	....	.454	.....	5.03	1.39	7.5	.....	6.5
July	28.718	29.022	28.393	66.1	.....	83.6	60.6	72.1	100	47	60	....	84	....	.539	.....	4.27	2.71	5.8	.....	5.4
August	28.681	28.937	28.461	61.9	.....	80.4	57.6	69.0	94	47	57	....	84	....	.472	.....	3.34	2.22	4.4	.....	5.4
September	28.678	29.003	28.442	60.4	.....	83.3	56.3	69.8	99	30	54	....	80	....	.436	.....	1.02	.98	3.5	.....	3.6
October	28.707	29.094	28.053	41.3	.....	58.9	38.6	48.8	90	25	36	....	80	....	.217	.....	2.29	1.21	6.9	.....	7.3
November	28.698	29.267	28.147	31.1	.....	49.2	27.0	38.1	77	5	24	....	75	....	.134	.....	1.40	1.13	6.4	.....	6.1
December	28.717	29.208	28.336	20.8	.....	34.5	15.4	25.0	53	−14	17	....	84	....	.098	.....	.87	.61	4.9	.....	5.6
Year	28.672	29.348	27.801	42.0	.....	59.5	37.7	48.6	100	−14	36	....	80	....	.266	.....	26.39	2.71	5.8	.....	5.8

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

WILMINGTON, N. C.

[H=78 ft.; h_t=81 ft.; h_r=76 ft.; h_a=91 ft.]

Month.	Wind. By self-register. Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	Wind. Number of winds, 8 a. m. and 8 p. m. North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Number of days. Clear.	Partly cloudy.	Cloudy.	Precipitation. 0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	Maximum temp. 32° or below.	90° or above.	Minimum temperature 32° or below.	Electricity. Thunderstorms.	Auroras.
	Miles.		*Mi.*																								
January	9.0	W.	42	SW.	1	8	15	6	1	5	9	10	8	0	12	10	9	9	8	0	0	0	0	0	8	0	0
February	10.5	W.	42	SW.	1	4	13	3	0	6	8	17	7	0	12	9	8	10	10	0	0	0	0	0	9	0	0
March	9.9	SW.	34	SW.	0	7	10	8	2	4	28	2	1	0	15	11	5	9	6	1	0	1	0	0	1	4	0
April	9.8	SW.	32	NE.	0	4	6	7	5	11	12	9	6	0	8	15	7	8	6	0	0	0	0	0	0	6	0
May	8.4	SW.	27	SW.	0	2	9	5	3	9	15	14	5	0	10	16	5	9	6	0	0	0	0	0	0	9	0
June	7.2	NE.	28	W.	0	5	22	5	6	3	12	4	3	0	11	14	5	12	10	0	0	0	0	3	0	9	0
July	8.2	SW.	48	NE.	1	5	11	9	4	5	18	8	3	0	6	18	7	11	9	0	0	0	0	5	0	8	0
August	7.3	SW.	30	E.	0	7	6	6	5	12	16	6	4	0	9	15	7	15	13	0	0	0	0	3	0	12	0
September	7.6	NE.	25	NE.	0	10	27	4	1	2	5	5	6	0	11	14	5	8	3	0	0	2	0	0	0	3	0
October	7.9	N.	27	E.	0	18	19	4	0	6	3	4	8	0	12	9	10	11	10	0	0	0	0	0	0	1	0
November	7.0	SW.	32	S.	0	7	13	4	3	8	11	8	6	0	17	11	2	4	2	0	0	3	0	0	0	0	0
December	7.5	SW.	32	SW.	0	7	15	3	3	2	13	7	12	0	11	14	6	11	6	0	0	0	0	0	3	0	0
Year	8.4	NE.	48	NE.	3	83	166	64	33	73	150	94	69	0	134	156	76	117	89	1	0	6	0	11	21	52	0

WINNEMUCCA, NEV.

[H=4,344 ft.; h_t=18 ft.; h_r=3 ft.; h_a=56 ft.]

January	6.1	NE.	32	SW.	0	5	29	4	0	3	15	5	0	1	6	8	17	5	3	3	0	0	1	0	29	0	0
February	7.2	SW.	44	SW.	1	6	16	5	0	3	20	3	3	2	12	9	8	4	3	3	0	0	1	0	27	0	0
March	7.7	SW.	43	SW.	1	7	8	2	1	2	22	11	5	4	15	11	5	5	3	5	0	0	0	0	26	0	0
April	6.6	SW.	29	SW.	0	4	16	2	2	0	23	9	4	0	19	8	3	3	3	0	0	0	0	0	17	0	0
May	6.5	SW.	35	NW.	0	6	15	0	0	7	22	7	5	0	14	11	6	7	5	1	0	0	0	0	9	1	0
June	5.5	NE.	34	SW.	0	4	20	0	0	2	18	5	9	2	18	6	6	4	2	2	0	0	0	1	3	2	0
July	5.0	NE.	30	S.	0	2	24	3	0	1	14	7	7	4	23	6	2	4	1	0	1	0	0	21	0	5	0
August	4.6	NE.	28	SW.	0	5	14	2	0	3	20	7	7	4	20	7	4	1	1	0	0	0	0	12	0	2	0
September	4.5	NE.	28	SW.	0	5	21	2	0	0	19	9	4	0	17	6	7	2	2	0	0	0	0	3	7	5	0
October	6.2	NE.	42	SW.	1	5	18	3	0	1	20	10	3	2	18	6	7	6	6	3	0	0	0	0	19	0	0
November	5.7	NE.	26	NW.	0	4	31	3	1	1	9	5	3	3	17	10	3	3	1	1	0	0	0	0	28	1	0
December	5.2	NE.	26	S.	0	5	28	7	0	2	16	2	1	1	13	4	14	1	0	1	0	0	2	0	31	0	0
Year	5.9	NE.	44	SW.	3	58	240	33	4	25	218	80	51	23	192	92	82	45	30	19	1	0	4	37	196	16	0

WYTHEVILLE, VA.

[H=2,293 ft.; h_t=40 ft.; h_r=32 ft.; h_a=47 ft.]

January	7.0	W.	40	NW.	1	1	1	6	2	2	8	31	8	3	12	6	13	12	9	9	0	0	4	0	29	1	0
February	8.6	W.	36	W.	0	1	1	13	3	1	3	29	5	2	7	8	14	17	13	10	0	4	11	0	26	0	0
March	5.5	W.	26	SW.	0	5	4	3	5	4	4	21	16	0	11	8	12	17	10	1	0	2	0	0	8	1	0
April	6.7	W.	27	W.	0	1	4	8	1	6	11	15	12	2	16	6	8	12	11	0	0	0	0	0	2	1	0
May	5.3	W.	30	W.	0	0	3	8	4	6	11	19	7	4	12	13	6	18	11	0	0	4	0	0	0	2	0
June	3.4	W.	18	NW.	0	6	5	13	4	2	6	13	4	7	12	13	5	11	8	0	0	1	0	0	0	7	0
July	3.2	E.	24	NW.	0	3	5	8	8	1	8	10	8	11	10	16	5	17	13	0	0	1	0	0	0	9	0
August	3.1	E.	13	NW.	0	1	3	18	0	1	12	12	5	10	11	10	10	18	10	0	0	3	0	1	0	1	0
September	2.9	SE.	24	W.	0	3	10	9	13	0	2	7	10	6	21	6	3	4	4	0	0	8	0	0	0	1	0
October	3.7	E.	24	NW.	0	5	9	17	1	1	2	10	11	6	19	3	9	6	6	1	0	1	0	0	3	0	0
November	5.9	W.	25	W.	0	1	4	6	1	0	12	28	6	2	14	8	8	4	3	1	0	1	0	0	12	0	0
December	6.1	W.	25	SW.	0	4	2	5	1	1	14	24	8	3	9	7	15	13	11	2	0	0	0	0	23	1	0
Year	5.1	W.	40	NW.	1	31	51	114	43	25	93	219	100	56	154	104	108	149	109	24	0	25	15	1	103	24	0

YANKTON, S. DAK.

[H=1,233 ft.; h_t=49 ft.; h_r=42 ft.; h_a=57 ft.]

January	9.7	W.	36	NW.	0	1	1	5	0	4	6	8	6	0	15	7	9	2	1	2	0	1	8	0	30	0	0
February	9.9	NW.	36	NW.	0	1	2	6	3	1	2	5	9	0	6	6	17	5	4	4	0	0	16	0	26	0	0
March	9.5	NW.	35	N.	0	4	2	4	1	2	7	4	7	0	7	4	20	10	6	5	0	0	2	0	24	1	3
April	12.1	NW.	35	NW.	0	2	2	2	5	1	4	6	8	0	16	3	11	5	5	1	0	1	1	0	10	3	0
May	8.8	NW.	43	NW.	1	2	4	7	2	1	3	4	8	0	7	8	16	12	9	0	1	1	0	0	3	8	1
June	9.5	SE.	37	NW.	0	3	2	2	9	5	1	6	2	0	4	13	13	16	13	0	1	1	0	2	0	12	0
July	5.4	N.	24	NW.	0	7	2	5	5	4	3	2	3	0	7	17	7	5	5	0	1	2	0	7	0	8	0
August	6.3	NE.	31	S.	0	4	7	4	5	3	2	0	6	0	12	9	10	7	4	0	0	3	0	4	0	5	0
September	8.4	SE.	40	S.	1	0	3	6	7	7	2	2	3	0	19	4	7	3	3	0	0	0	0	12	2	0	6
October	9.0	NW.	38	SE.	0	0	3	3	5	3	2	3	12	0	6	6	19	7	6	2	0	0	0	1	10	1	0
November	7.3	W.	42	NW.	1	0	3	0	0	1	3	17	5	1	9	7	14	5	3	2	0	0	2	0	20	0	0
December	8.5	NW.	37	NW.	0	2	2	0	2	1	4	7	13	0	9	11	11	7	4	6	0	1	12	0	31	0	0
Year	8.7	NW.	43	NW.	3	26	33	44	44	33	39	64	82	1	117	95	154	84	63	22	3	10	41	26	156	38	10

a By eye observations when there is no self-register at station.

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908.

YELLOWSTONE PARK, WYO.

[ϕ=44° 58 N.; λ=110° 42′ W.]

Month.	Pressure.			Temperature.							Moisture.										
		Extremes.		Mean.					Extremes.		Dew-point.		Relative humidity.		Vapor pressure.		Precipitation.		Cloudiness.		
	Monthly mean.	Maximum.	Minimum.	8 a. m.	8 p. m.	Maximum.	Minimum.	Monthly.	Maximum.	Minimum.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Total.	Maximum in 24 hours.	8 a. m.	8 p. m.	Daylight.
	In.	*In.*	*In.*	°	°	°	°	°	°	°	°	°	%	%	*In.*	*In.*	*In.*	*In.*			
January	23.872	24.241	23.568	16.0	22.4	29.3	11.3	20.3	38	−20	10	13	74	64	0.069	0.078	0.85	0.26	5.5	4.5	5.2
February	23.815	24.155	23.387	18.5	27.5	33.0	13.3	23.2	48	−26	14	17	80	65	.084	.095	1.22	.88	5.1	6.3	6.2
March	23.794	24.300	23.304	20.1	28.7	35.0	15.5	25.2	48	2	15	20	80	71	.087	.110	1.39	.37	6.1	7.6	7.6
April	23.845	24.093	23.452	29.2	47.1	51.6	27.1	39.4	71	2	23	25	75	43	.122	.134	.88	.36	4.2	5.2	4.8
May	23.735	23.960	23.381	35.6	47.3	53.4	33.2	43.3	68	26	31	32	82	60	.170	.180	3.38	1.02	7.3	7.6	7.8
June	23.850	24.253	23.528	40.9	55.3	59.6	38.5	49.0	79	32	35	36	79	53	.204	.214	3.30	.88	6.3	7.0	6.7
July	24.038	24.269	23.790	48.7	71.4	77.5	46.0	61.8	88	32	41	43	75	37	.258	.284	.73	.37	2.3	5.7	4.5
August	23.988	24.215	23.737	44.9	63.6	70.4	43.5	57.0	86	31	38	39	77	47	.232	.249	3.42	.90	3.7	6.3	5.2
September	23.974	24.268	23.641	42.5	58.6	65.4	39.5	52.4	83	20	33	35	69	44	.188	.210	.74	.35	4.6	5.5	5.4
October	23.887	24.211	23.364	31.2	39.8	47.5	27.7	37.6	67	12	25	28	79	63	.137	.127	3.00	2.34	5.5	7.2	6.2
November	23.944	24.229	23.529	22.9	31.0	39.9	18.6	29.2	60	−3	16	19	75	64	.093	.105	.25	.13	2.8	2.9	5.0
December	23.860	24.134	23.530	16.5	21.5	27.7	12.4	20.0	38	−9	12	16	82	76	.078	.087	.48	.11	6.3	6.5	6.9
Year	23.884	24.300	23.304	30.6	42.8	49.2	27.2	38.2	88	−26	24	27	77	57	.144	.156	19.64	2.34	5.0	6.0	6.0

YUMA, ARIZ.

[ϕ=32° 45′ N.; λ=114° 36′ W.]

January	29.921	30.205	29.729	46.9	65.8	69.4	43.1	56.2	75	35	29	33	52	31	0.167	0.195	0.16	0.10	1.1	1.7	2.2
February	29.894	30.221	29.457	45.4	65.8	69.2	43.3	56.2	87	28	33	35	63	35	.190	.208	.84	.76	1.0	2.2	2.4
March	29.849	30.249	29.526	51.8	78.1	80.6	49.2	64.9	96	40	32	30	49	19	.185	.173	.08	.06	.6	1.5	1.4
April	29.723	29.891	29.490	55.5	86.1	88.5	53.7	71.1	99	41	36	36	52	18	.221	.213	.05	.05	.4	.5	.7
May	29.635	29.849	29.394	56.6	87.6	90.2	54.8	72.5	101	46	38	41	52	20	.239	.258	.00	.00	.3	.5	.6
June	29.605	29.751	29.402	63.4	99.0	100.9	61.9	81.4	112	50	46	44	55	16	.321	.292	.00	.00	.1	.1	.1
July	29.651	29.844	29.451	78.9	102.4	105.8	77.5	91.6	114	69	64	64	64	31	.624	.608	1.34	1.34	1.0	1.1	1.6
August	29.642	29.814	29.459	79.1	100.7	104.5	77.5	91.0	110	65	68	64	69	32	.684	.612	.30	.17	.9	.8	1.0
September	29.679	29.855	29.389	67.8	95.0	98.8	66.3	82.6	109	51	55	55	66	28	.464	.458	.34	.19	.4	1.2	1.2
October	29.772	29.950	29.354	54.7	79.0	85.6	50.9	68.2	104	38	36	36	51	23	.223	.227	T.	T.	.4	.4	.5
November	29.828	29.999	29.534	50.3	68.8	77.8	46.7	62.2	90	30	34	37	56	32	.197	.226	.24	.24	.7	1.4	1.5
December	29.927	30.141	29.640	44.7	58.7	64.9	42.3	53.6	72	34	32	35	63	43	.188	.213	2.58	1.38	2.1	2.7	2.8
Year	29.760	30.249	29.354	57.9	82.2	86.4	55.6	71.0	114	28	42	42	58	27	.309	.307	5.93	1.38	.8	1.2	1.3

ANNUAL METEOROLOGICAL SUMMARY FOR THE YEAR ENDING DECEMBER 31, 1908—Continued.

YELLOWSTONE PARK, WYO.

[H=approximately 6,200 ft.; h_t=11 ft.; h_r=4 ft.; h_a=48 ft.]

Month.	Wind.														Number of days.											
	By self-register.					Number of winds, 8 a. m. and 8 p. m.												Precipitation.						Maximum temp.			Electricity.	
	Average hourly velocity.	Prevailing direction.	Maximum velocity.	Direction at time of maximum velocity.	Number of days with gales.	North.	Northeast.	East.	Southeast.	South.	Southwest.	West.	Northwest.	Calm.	Clear.	Partly cloudy.	Cloudy.	0.01 inch and over.	0.04 inch and over.	Snow.	Hail.	Dense fog.	32° or below.	90° or above.	Minimum temperature 32° or below.	Thunderstorms.	Aurorasa.
	Miles.		*Mi.*																							
January	9.4	S.	34	SW.	0	2	1	0	1	27	22	2	7	0	10	11	10	11	5	11	0	0	19	0	31	0	0
February	7.4	SW.	26	SW.	0	2	0	1	4	20	24	1	4	2	8	6	15	10	5	10	0	0	12	0	29	0	0
March	8.4	SW.	33	SW.	0	7	1	0	1	21	21	2	7	2	4	7	20	16	10	14	0	0	13	0	27	0	0
April	8.2	SW.	34	SW.	0	5	0	0	0	15	20	4	15	1	9	12	9	9	7	6	0	0	1	0	20	1	0
May	8.4	NW.	36	S.	0	7	1	0	6	11	15	5	15	2	4	6	21	17	13	6	1	2	0	0	13	3	0
June	7.3	SW.	38	SW.	0	4	1	2	2	14	28	2	7	0	6	11	13	18	16	0	2	0	0	0	0	4	0
July	6.5	SW.	36	SW.	0	3	0	0	3	18	16	5	15	0	10	17	4	12	6	0	1	0	0	0	1	13	0
August	6.0	SW.	44	NW.	1	5	2	0	0	15	24	6	10	0	11	6	14	15	11	1	3	0	0	0	2	13	0
September	7.9	SW.	41	SW.	1	0	1	0	3	16	26	6	8	0	11	5	14	9	7	1	0	0	0	0	3	4	0
October	7.3	S.	42	S.	1	6	5	0	2	20	19	3	7	0	7	10	14	10	5	6	0	0	2	0	22	1	0
November	7.0	S.	32	SW.	0	3	3	0	2	21	24	1	6	0	9	13	8	4	3	4	0	0	10	0	28	0	0
December	8.5	S.	37	SW.	0	7	0	0	1	14	25	4	10	1	7	5	19	9	5	9	0	0	22	0	31	0	0
Year	7.7	SW.	44	NW.	3	51	15	3	25	212	264	41	111	8	96	109	161	140	93	68	7	2	79	0	207	39	0

YUMA, ARIZ.

[H=141 ft.; h_t=9 ft.; h_r=2 ft.; h_a=58 ft.]

January	6.4	N.	37	NW.	0	24	8	6	7	3	1	2	11	0	25	2	4	2	2	0	0	0	0	0	0	0
February	6.6	W.	34	N.	0	13	4	7	6	4	5	9	10	0	23	4	2	4	3	0	0	0	0	1	0	0
March	7.2	N.	35	W.	0	21	2	3	5	6	5	14	6	0	27	2	2	2	1	0	0	0	0	6	0	0
April	7.4	SW.	30	W.	0	10	4	3	7	5	11	13	7	0	29	0	1	1	1	0	0	0	0	16	0	0
May	7.8	W.	40	SW.	1	4	2	2	2	2	19	24	7	0	30	1	0	0	0	0	0	0	0	17	0	0
June	6.2	SW.	35	NW.	0	0	2	4	8	7	15	18	6	0	30	0	0	0	0	0	0	0	0	26	0	0
July	7.1	SW.	29	SE.	0	4	3	2	9	8	27	7	2	0	25	5	1	1	1	0	0	0	0	31	0	0
August	6.9	S.	36	S.	0	1	3	5	14	10	21	7	1	0	28	2	1	3	2	0	0	0	0	31	0	2
September	5.8	W.	32	SE.	0	11	5	4	5	7	3	12	13	0	27	1	2	2	2	0	0	0	0	25	0	1
October	6.8	N.	35	W.	0	15	12	1	2	1	8	11	12	0	29	2	0	0	0	0	0	0	0	10	0	0
November	5.3	N.	33	W.	0	13	18	3	3	1	1	8	13	0	25	3	2	1	1	0	0	0	0	1	3	0
December	6.4	N.	30	N.	0	27	12	1	1	2	5	5	9	0	20	7	4	5	5	0	0	0	0	0	0	0
Year	6.7	N.	40	SW.	1	143	75	41	69	56	121	130	97	0	318	29	19	21	18	0	0	0	0	163	4	3	0

a By eye observations when there is no self-register at station.

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PART IV.

MONTHLY AND ANNUAL MEAN TEMPERATURE AND ANNUAL EXTREMES OF TEMPERATURE TOGETHER WITH THE DATES OF THE FIRST AND LAST KILLING FROSTS, 1908.

The monthly and annual averages given in the following tables are taken largely from the records of unpaid cooperating observers. The paid stations of the Weather Bureau are indicated by an asterisk (*). The records of cooperating observers are given as made; no attempt has been made to reduce them to a homogeneous system. Nearly all of the cooperating observers have standard instruments, and a great majority are now supplied with standard shelters. The hours of observation at the regular stations of the Weather Bureau have already been described; the observing hours at cooperating stations vary greatly. The letters "*a*" and "*b*" following the name of a station have the following significance:

a=mean temperature computed by the formula $\frac{1}{4}(7+2+9+9)$.

b=mean temperature computed by the formula $\frac{1}{2}(8+8)$.

The absence of a letter indicates that the mean has been made as follows: $\frac{\text{Mean max.}+\text{mean min.}}{2}$

The small roman letters in the body of the tables indicate the number of days missing from the records—thus "c" indicates three days missing, etc.

The dates of last killing frost in spring and first in autumn are given at the right of the table. Many observers, however, do not report dates of frost, and still others do not distinguish between light and killing frost. The date of the last and the first occurrence of a minimum temperature of 32° has been used in many cases where no frost reports were made.

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MONTHLY AND ANNUAL MEAN TEMPERATURE, ANNUAL EXTREMES OF TEMPERATURE, AND DATES OF LAST KILLING FROST IN SPRING AND FIRST KILLING FROST IN AUTUMN, 1908.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	*Min.*		
Alabama.																	
Albertville							77.0	c77.2	71.2	58.8	e53.6	45.9		98			Nov. 5
*Anniston	42.2	41.8	60.8	65.1	69.6	76.5	78.8	78.3	72.6	59.4	56.1	49.4	62.6	98	16	Apr. 4	Nov. 6
Ashville	42.4	42.8	60.8	64.8	70.2	74.4	79.1	78.3	72.2	57.8	55.7	48.2	62.2	100	14	Apr. 4	Oct. 26
Auburn	b46.0	45.0	a63.5	67.2	72.4	78.8	a80.3	80.2	75.6	62.9	a58.4	52.4	65.2	99	19	Feb. 28	Nov. 15
Bermuda	a47.2	a47.9	64.2	b65.2	72.7	a78.0	a79.8	a79.0	d74.8	60.8	f56.5	e53.8	65.0	98	20	Feb. 28	Nov. 6
*Birmingham	43.8	43.9	61.6	66.0	70.8	77.4	79.8	79.6	75.6	62.3	58.4	49.8	64.1	98	17	Mar. 21	Nov. 16
Boligee	45.4	45.7	65.1	69.6	f72.4	80.0	81.0	80.6	e77.2	b60.3	55.1	.....	.....	101	20	Feb. 28	Oct. 25
Camp Hill	f44.2	.....	.....	67.4	71.6	c77.8	79.8	79.0	c75.0	a62.4	b58.3	.....	.....	98	.....	.....	Nov. 6
Citronelle	51.0	52.2	67.4	71.8	74.6	79.4	80.1	81.2	76.4	66.0	63.3	58.4	68.5	98	22	Feb. 21	Nov. 15
*Clanton	44.3	43.3	63.0	66.9	71.0	77.1	80.1	80.0	75.0	60.1	57.8	51.2	64.2	102	18	Mar. 21	Nov. 6
Cordova	43.6	44.4	61.4	a65.9	70.0	76.8	a79.0	d79.6	a74.0	58.8	55.6	c48.6	63.1	98	12	Apr. 4	Oct. 26
Cullman	41.1	f43.0	59.1	64.1	69.0	75.0	78.2	77.6	71.8	58.6	54.1	46.3	61.5	99	12	May 1	Oct. 21
Daphne	51.4	.....	.....	.....	.....	c78.9	a80.6	a81.2	b76.4	a65.4	b62.4	d58.4	.....	97	.....	.....	Nov. 15
*Decatur	39.6	40.8	57.8	66.6	70.5	76.0	78.9	79.0	72.7	57.1	52.8	45.0	61.4	99	14	Apr. 4	Oct. 25
*Eufaula	44.6	43.6	63.2	66.6	71.6	77.8	79.8	78.5	72.2	58.8	56.4	52.0	63.8	97	20	Feb. 29	Nov. 15
*Evergreen	b50.5	48.0	.....	69.8	74.6	78.9	80.2	80.0	76.0	62.6	.....	.....	.....	98	21	Feb. 29	.....
Flomaton	49.6	50.8	66.2	72.0	73.5	.....	81.6	80.6	75.0	61.2	60.2	56.2	.....	.....	22	Feb. 27	Nov. 6
Florence	42.0	42.8	59.8	64.8	70.8	76.2	78.9	79.0	74.3	59.6	54.8	46.8	62.5	99	15	Mar. 21	Oct. 31
*Fort Deposit	45.4	44.8	65.0	68.5	74.4	79.8	81.4	79.3	75.2	61.4	59.0	51.8	65.5	100	20	Feb. 28	Nov. 16
Gadsden	42.8	42.6	61.2	65.0	69.8	76.2	80.8	a80.1	73.6	61.6	57.4	48.8	63.3	101	15	Apr. 4	Nov. 6
*Goodwater	43.6	42.4	62.1	67.4	71.8	78.4	81.6	80.6	77.6	63.9	a62.1	.....	.....	98	15	Mar. 21	.....
*Greensboro	45.8	45.9	64.6	68.3	73.2	79.0	80.9	80.0	75.5	61.6	58.6	51.2	65.4	98	21	Feb. 27	Nov. 6
Hamilton	b42.8	41.9	57.5	65.0	d69.5	a75.4	78.5	78.3	74.6	59.5	b54.6	47.6	62.1	100	12	Apr. 4	Oct. 25
Highland Home	47.6	47.2	65.7	69.4	73.3	78.4	79.5	80.0	74.8	62.5	60.0	55.0	66.1	98	19	Feb. 28	Nov. 15
*Livingston	43.3	42.9	d60.4	66.4	72.2	78.6	81.7	79.2	75.0	58.6	55.8	49.6	63.6	99	19	Mar. 21	Oct. 25
Lock No. 4	43.2	43.2	61.6	66.4	70.8	78.0	80.8	80.3	73.1	59.2	56.0	49.2	63.5	104	16	Apr. 4	Nov. 6
Lucy	d50.1	a49.6	67.1	71.8	73.0	78.4	a80.8	b79.8	a75.4	a62.4	59.2	b57.8	67.1	98	18	Feb. 29	Nov. 6
Madison	41.2	41.4	59.2	64.6	69.7	76.1	78.6	79.1	74.2	60.0	55.0	46.1	62.1	101	12	Apr. 4	Oct. 25
Maple Grove	40.0	40.0	a57.6	a62.5	68.9	76.0	79.0	78.2	b71.2	57.2	a53.6	b45.0	60.8	99	16	Apr. 5	Nov. 5
*Mobile	50.8	52.1	66.2	71.8	74.4	79.7	81.0	81.9	77.5	65.4	62.1	57.8	68.4	97	28	Feb. 20	None.
*Montgomery	46.6	46.6	65.2	68.8	73.2	79.6	80.8	80.2	75.5	62.1	59.4	53.8	66.0	98	22	Feb. 28	Nov. 15
Newbern	46.2	46.4	63.9	68.8	72.4	78.6	81.5	81.0	77.8	63.4	60.2	51.4	66.0	102	20	Feb. 28	Nov. 6
Oneonta	40.4	41.4	59.2	63.4	68.2	74.0	77.1	75.9	70.5	56.0	53.5	45.8	60.4	99	13	May 1	Oct. 25
*Opelika	44.8	44.5	64.0	68.2	71.9	77.8	78.6	77.4	73.9	62.0	57.6	52.3	64.4	96	18	Mar. 21	Nov. 15
*Ozark	.....	.....	65.8	68.6	73.8	78.5	80.0	80.8	75.4	62.7	60.6	53.4	.....	100	.....	.....	Nov. 15
Prattville	46.4	a45.6	a64.8	68.4	72.2	78.9	80.6	d79.6	f73.4	b59.6	56.8	52.8	64.9	100	17	Feb. 28	Nov. 6
Pushmataha	44.5	44.6	64.0	68.6	72.9	78.4	81.4	80.6	75.8	59.8	58.4	51.6	65.0	102	18	Mar. 22	Oct. 25
Riverton	41.1	41.8	58.6	63.4	69.5	75.4	77.4	77.0	71.8	57.5	52.0	45.2	60.9	98	8	Apr. 4	Oct. 25
Scottsboro	40.9	40.9	a60.2	a63.2	67.9	a74.6	a77.8	a76.6	a70.4	a58.1	b53.8	47.6	61.0	97	11	Apr. 4	Oct. 26
*Selma	44.8	44.3	64.2	68.3	73.4	77.1	81.8	80.6	75.8	59.9	57.4	51.6	64.9	103	18	Feb. 29	Nov. 7
Spring Hill	b50.9	52.7	a67.9	72.8	74.8	79.6	80.8	a81.4	b76.7	.....	b63.6	58.4	.....	98	25	Feb. 21	Nov. 15
Talladega	44.4	a44.4	62.8	67.9	70.4	77.3	80.3	80.0	73.8	59.9	57.6	50.1	64.1	103	14	Mar. 21	Nov. 6
*Thomasville	43.0	45.4	63.8	68.0	72.4	78.6	80.4	80.3	74.8	60.4	58.9	52.2	64.8	102	19	Feb. 29	Nov. 15
Troy	.....	.....	.....	.....	.....	78.6	80.2	80.5	75.0	62.8	60.7	56.2	.....	99	.....	.....	Nov. 15
Tuscaloosa	41.7	41.9	61.0	66.9	72.1	78.5	78.8	80.0	75.4	58.6	55.6	47.1	63.1	101	16	Mar. 23	Nov. 6
*Tuscumbia	40.6	41.0	58.5	64.3	71.2	77.4	79.6	78.5	72.0	57.3	52.6	45.4	61.5	99	15	Apr. 4	Oct. 25
Tuskegee	48.0	47.4	66.0	70.4	73.9	80.4	82.2	81.2	77.5	a64.5	60.4	a54.8	67.2	101	20	Feb. 28	Nov. 15
*Union Springs	45.3	45.2	65.0	68.0	72.5	79.5	81.4	80.6	75.0	61.4	58.8	53.6	65.5	98	18	Feb. 28	Nov. 15
Uniontown	47.2	46.3	64.8	68.8	72.6	79.3	80.9	80.3	76.0	a62.6	59.2	a53.6	66.0	98	21	Feb. 29	Nov. 6
Valley Head	37.8	37.6	57.0	62.6	66.8	74.8	78.2	76.7	71.8	.....	f51.5	45.2	.....	98	10	May 1	Oct. 26
Wetumpka	47.8	46.6	65.0	69.0	73.1	79.2	81.0	80.4	76.8	62.2	59.0	54.5	66.2	100	19	Feb. 28	Nov. 7
Alaska.																	
Bettles	−20.4	−4.3	− 5.9	16.5	42.9	56.5	57.7	51.4	.....	10.6	−6.6	− 6.7	.....	.....	.....	.....	Aug. 19
Black Point	.....	.....	.....	.....	.....	.....	.....	45.7	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calder	.....	.....	.....	39.8	44.6	50.4	53.5	52.8	47.5	39.7	38.8	.....	.....	.....	.....	.....	Sept. 23
Candle	b−12.8	4.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Circle City	d−22.0	−8.3	a−4.2	.....	45.7	b58.5	c61.2	e56.5	.....	d16.4	c−8.6	−10.6	.....	.....	.....	.....	.....
Coal Harbor	28.0	33.4	31.3	29.3	38.4	46.6	51.1	51.9	48.0	.....	.....	37.0	.....	.....	.....	May 13	.....
Copper Center	2.8	8.8	11.8	29.4	40.4	50.8	51.1	48.9	36.6	17.7	13.2	4.8	26.4	.....	.....	June 10	Aug. 4
Dutch Harbor	28.2	32.6	30.2	30.1	38.0	45.6	48.5	50.3	a46.7	41.5	33.8	34.8	38.4	.....	.....	.....	.....
*Eagle Creek	.....	.....	.....	.....	.....	.....	.....	49.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fairbanks	−23.0	2.8	5.2	26.6	48.5	58.2	58.8	54.3	37.8	21.8	7.0	− 0.4	24.8	.....	.....	.....	.....
Fort Egbert	.....	.....	.....	.....	.....	.....	.....	.....	36.4	18.4	2.9	− 2.1	.....	.....	.....	.....	.....
Fort Gibbon	.....	.....	.....	.....	.....	.....	c62.3	.....	.....	18.6	4.8	0.0	.....	.....	.....	.....	Aug. 20
Fort Liscum	23.4	26.6	26.7	32.5	43.1	53.4	52.7	45.5	40.0	31.5	28.4	24.6	35.7	.....	.....	.....	Sept. 9
Holy Cross Mission	−4.8	14.1	11.0	21.8	42.5	.....	56.6	50.6	.....	25.6	8.5	.....	.....	.....	.....	.....	.....
Iron Creek	.....	.....	.....	.....	.....	.....	54.2	47.6	35.4	.....	.....	.....	.....	.....	.....	.....	Sept. 5
Juneau	36.0	33.8	33.0	41.3	47.9	54.7	56.8	53.1	47.4	40.1	.....	.....	.....	.....	.....	.....	.....
Katalla	30.9	30.0	29.4	34.9	41.8	49.0	50.6	51.1	43.3	.....	.....	.....	.....	.....	.....	.....	Sept. 5
Kenai	18.0	21.4	23.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ketchumstock	.....	.....	.....	.....	.....	.....	.....	f47.1	34.0	.....	−1.3	−14.6	.....	.....	.....	.....	Aug. 5
Killisnoo	.....	.....	32.7	39.7	47.6	52.6	54.1	53.4	46.3	38.6	36.6	32.6	.....	.....	.....	.....	.....
Klukwan	.....	28.0	25.6	38.1	.....	.....	.....	.....	.....	32.8	26.8	19.4	.....	.....	.....	.....	Oct. 8
Loring	32.0	31.8	34.7	39.1	46.6	53.8	56.8	56.5	48.4	41.2	.....	32.2	.....	.....	.....	.....	Oct. 15
Nizina	.....	.....	.....	29.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Nome	− 0.1	13.8	7.3	13.6	37.5	46.2	51.2	47.2	35.5	26.2	9.8	14.4	25.7	.....	.....	.....	.....
Northfork	−20.8	−7.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Alaska—Continued.																	
Orca		31.5	32.3														
Rampart	−17.4	−1.5	4.7	23.4	46.6	58.7	59.8	55.3	.....	18.1	1.8	−5.2	.....	.....	.....	.....	.....
Seward	.....	30.5	32.1	38.0	44.5	50.9	52.6	52.6	45.9	34.9	33.4	29.2	.....	.....	.....	.....	Sept. 8
*Sitka	35.5	35.4	36.5	39.2	44.8	50.9	54.0	55.1	48.4	42.4	39.9	.....	.....	.....	.....	May 2	.....
Skagway	29.4	27.8	28.6	39.8	48.6	56.1	56.8	56.8	47.6	36.5	34.0	27.8	40.8	.....	.....	.....	.....
Solomon	.....	.....	6.7	9.8	.....	47.5	.....	.....	.....	.....	10.3	[k]19.4	.....	.....	.....	.....	.....
Sunrise	19.8	23.6	24.0	34.3	42.9	50.3	52.5	50.8	40.7	29.2	27.9	23.5	35.0	.....	.....	.....	Sept. 22
Tyonok	19.8	23.9	.....	.....	53.4	52.4	.....	.....	.....	32.6	28.2	24.4	.....	.....	.....	.....	.....
Wood Island	29.7	33.4	49.0	34.2	38.9	49.1	48.8	52.0	45.7	37.9	.....	.....	.....	.....	.....	.....	Sept. 7
Wrangell	.....	.....	.....	.....	48.6	55.4	58.5	59.1	50.2	38.2	.....	30.4	.....	.....	.....	.....	.....
Arizona.																	
Arizona Canal Dam	54.2	55.0	61.7	68.3	71.4	82.0	88.9	88.0	82.0	67.4	61.8	54.0	69.6	110	31	Feb. 15	Nov. 25
Aztec	52.6	54.6	62.5	69.6	73.2	84.6	92.8	93.1	85.8	70.5	65.5	58.4	71.9	115	26	Feb. 18	Nov. 25
Benson	48.1	49.4	56.3	61.8	65.8	76.0	79.8	78.2	73.3	61.4	53.4	48.2	62.6	105	21	Mar. 23	Oct. 19
Bisbee	45.8	46.3	54.4	58.6	61.6	72.6	72.4	69.7	68.4	58.8	51.2	45.8	58.8	92	19	Mar. 23	Oct. 19
Bowie	47.0	47.0	58.7	63.4	66.4	77.3	80.0	78.8	74.2	61.4	52.1	46.1	62.8	103	21	Mar. 23	Oct. 19
Buckeye	51.6	53.0	59.8	66.8	69.4	78.1	88.6	88.6	80.6	64.8	59.2	50.8	67.6	111	25	Mar. 23	Oct. 22
Casa Grande	53.4	55.3	62.6	70.2	72.4	84.1	88.9	86.8	80.2	.....	61.0	56.6	.....	117	19	Mar. 13	Oct. 22
Casagrande Ruins	.....	.....	.....	.....	.....	.....	.....	.....	.....	65.5	60.8	52.9	.....	.....	.....	.....	Oct. 20
Cave Creek	55.0	55.9	63.5	67.5	71.8	82.2	88.2	86.8	80.9	68.3	61.2	55.4	69.7	109	29	Feb. 15	Nov. 25
Chlarsons Mill	.....	.....	36.7	41.6	45.4	49.6	56.6	.....	52.2	40.8	33.2	.....	.....	77	.....	June 14	Sept. 28
Clifton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.8	47.2	.....	.....	.....	Mar. 23	Nov. 15
Cline	47.2	50.5	56.7	61.7	64.2	73.1	83.5	80.0	73.9	60.0	53.3	47.8	62.7	107	23	Apr. 9	Oct. 24
Cochise	41.5	42.9	60.5	60.4	69.6	82.4	84.6	76.0	71.0	57.0	50.4	47.6	62.0	, 100	17	Feb. 18	Oct. 19
Columbia	54.8	52.9	58.6	61.2	70.4	85.0	87.2	86.2	82.0	70.3	62.6	55.2	68.9	108	28	Feb. 16	Nov. 25
Congress	52.0	51.0	58.8	65.0	67.4	79.0	84.1	81.7	77.6	64.1	58.9	50.4	65.8	103	29	Feb. 14	Nov. 29
Douglas	46.6	49.2	57.4	63.1	66.2	76.4	79.4	78.2	72.9	60.5	52.1	47.4	62.4	105	19	Apr. 10	Oct. 19
Dudleyville	50.2	51.4	57.4	62.0	66.6	75.6	80.9	80.1	75.2	61.8	55.6	49.5	63.9	107	24	Mar. 23	Oct. 22
*Flagstaff	30.8	28.2	38.2	42.8	45.3	55.6	65.1	62.6	55.4	41.2	34.4	27.2	43.9	84	−14	June 23	Sept. 26
Flagstaff	.....	28.6	38.2	42.6	46.0	55.4	66.5	63.2	57.6	40.1	32.2	26.2	.....	86	−10	June 16	Sept. 26
Florence	.....	.....	.....	.....	.....	.....	.....	.....	.....	67.0	59.2	55.0	.....	.....	.....	.....	Oct. 22
Fort Apache	41.2	41.2	48.9	53.4	56.9	66.7	73.4	70.8	65.6	54.0	45.3	35.9	54.5	98	− 6	June 5	Sept. 28
Fort Huachuca	44.9	49.4	55.3	58.7	63.4	74.6	73.0	71.9	70.8	62.0	49.0	45.6	59.9	101	20	Apr. 24	Oct. 27
Fort Mohave	53.6	54.8	60.6	72.0	74.4	85.8	95.0	93.1	83.8	67.8	.....	.....	.....	119	.....	Mar. 8	.....
Gilabend	54.6	55.6	63.8	70.5	74.6	83.0	92.8	92.5	85.7	69.4	65.1	54.0	71.8	115	28	Mar. 6	Nov. 26
Globe	46.5	47.7	55.2	60.4	66.1	78.0	81.2	79.1	74.0	60.6	53.0	46.6	62.4	103	24	Mar. 28	Oct. 19
Grand Canyon (1)	31.6	29.8	39.0	45.6	48.5	54.1	66.2	64.8	57.1	39.4	37.0	27.7	45.1	86	−15	June 23	Sept. 25
Grand Canyon (2)	.....	.....	.....	.....	.....	80.8	83.4	79.7	72.0	55.0	47.6	36.4	.....	103	.....	.....	Oct. 21
Holbrook	37.0	39.2	47.2	52.4	55.8	68.0	77.0	74.4	67.4	52.0	47.0	39.0	54.7	102	4	June 4	Sept. 27
Jerome	44.2	45.3	54.0	59.0	62.4	74.0	78.6	75.8	71.5	57.9	50.8	42.6	59.7	96	22	Mar. 27	Oct. 18
Kearns Canyon	33.2	31.5	42.2	47.8	52.4	63.1	72.0	69.4	62.0	47.8	39.0	32.2	49.4	91	− 8	June 5	Sept. 27
Kingman	45.8	46.4	52.7	59.2	61.2	71.2	82.6	80.4	71.0	58.0	53.0	41.8	60.3	108	22	June 4	Oct. 18
Maricopa	51.5	51.4	61.6	69.0	72.3	86.8	81.7	90.8	83 4	68.4	61.2	56.0	69.5	126	26	Mar. 8	Oct. 22
Mesa	51.6	53.4	61.4	68.4	71.4	82.2	88.8	88.6	82.1	66.2	58.7	51.2	68.7	115	28	Mar. 7	Nov. 24
Mohawk Summit	57.6	56.4	71.0	.....	80.9	91.5	91.2	92.8	85.4	77.4	64.7	61.2	.....	115	32	Feb. 14	Dec. 18
Oracle	.....	.....	.....	.....	.....	.....	77.6	76.2	72.9	61.6	53.6	48.3	.....	.....	.....	.....	Nov. 25
Paradise	.....	43.6	52.4	54.2	.....	71.4	72.4	69.6	66.2	54.6	46.4	42.1	.....	96	.....	Apr. 9	Sept. 28
Parker	53.5	54.6	.....	71.8	73.2	83.1	93.3	91.2	.....	.....	.....	.....	.....	118	.....	Feb. 18	.....
*Phoenix	53.4	54.2	61.0	67.6	71.5	81.8	88.6	87.9	81.7	66.8	61.4	53.2	69.1	111	30	Mar. 8	Dec. 1
Phoenix (Ex.-Farm)	51.3	52.8	59.0	66.6	70.6	79.7	87.6	87.2	80.5	66.0	59.8	52.0	67.8	111	27	Mar. 8	Nov. 25
Prescott	43.2	44.0	51.4	55.4	55.2	65.3	73.7	70.2	63.3	49.8	43.7	36.2	54.3	100	3	June 5	Sept. 27
Quartzsite	.....	.....	.....	.....	73.8	84.6	94.6	92.4	83.7	67.0	61.0	50.0	.....	115	.....	.....	Oct. 23
Redrock	.....	.....	.....	.....	.....	.....	86.8	85.9	80.8	65.2	60.0	52.5	.....	.....	.....	.....	Nov. 30
Roosevelt	43.7	48.2	54.6	64.2	71.0	82.3	89.0	85.9	79.6	64.0	55.8	47.6	65.5	113	18	Mar. 7	Nov. 25
Sacaton	.....	.....	.....	67.6	70.7	81.5	88.2	88.4	82.2	65.8	61.3	52.8	.....	110	.....	.....	Oct. 22
St. Johns	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Michaels	29.6	31.9	39.8	45.4	49.4	63.4	70.1	67.2	58.6	43.5	34.5	28.5	46.8	92	− 1	June 7	Sept. 18
Salome	49.1	51.1	57.0	63.0	65.4	77.0	87.8	86.0	76.8	62.0	57.8	48.4	65.1	109	23	Apr. 1	Oct. 19
San Carlos	48.0	49.8	.....	62.4	66.7	76.2	.....	.....	74.9	60.4	52.8	47.2	.....	109	23	Apr. 4	Oct. 21
San Simon	45.4	46.3	54.7	59.2	66.2	76.1	83.4	81.4	72.8	58.0	55.8	47.6	62.2	104	20	Apr. 10	Oct. 19
Seligman	39.2	40.1	45.4	49.8	.....	69.4	74.5	71.2	63.8	51.4	44.0	37.4	.....	97	.....	.....	Sept. 26
Sentinel	54.0	55.4	64.8	71.5	75.6	84.8	93.8	91.8	85.0	70.2	62.8	62.2	71.8	116	30	Feb. 15	Nov. 30
Silverbell	54.7	53.0	63.4	64.3	70.2	83.4	84.4	82.7	78.2	69.2	66.0	55.2	68.7	107	27	Feb. 14	Dec. 18
Sugar	45.0	47.0	56.2	62 2	65.7	76.2	82.4	80.6	73.0	58.0	50.0	41.3	61.5	103	24	Feb. 17	Nov. 25
Tempe	52.2	55.2	61.9	68.3	71.4	80.2	90.9	89.2	82.5	65.6	60.4	52.4	69.2	116	26	Mar. 6	Nov. 25
Thatcher	45.2	49.4	54.0	59.4	63.4	72.8	79.6	78.6	73.0	60.2	52.0	44.4	61.0	102	15	Apr. 10	Oct. 6
Tombstone	46.2	50.6	59.1	63.3	66.0	76.6	77.2	76.6	73.8	63.6	54.5	46.6	62.8	103	22	Mar. 9	Oct. 18
Tuba	35.2	38.5	.....	52.2	55.6	66.8	75.8	73.2	65.4	49.4	40.6	32.8	.....	99	13	June 5	Sept. 26
*Tucson	51.2	51.4	58.8	64.2	68.2	79.2	83.8	82.4	78.2	63.8	58.0	51.0	65.8	108	22	Mar. 23	Oct. 19
Upper San Pedro	46.6	47.5	54.0	.....	.....	.....	.....	75.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vail	56.4	51.9	59.8	74.6	69.0	69.2	80.9	86.2	78.0	60.9	58.8	50.6	66.4	108	26	.....	Oct. 19
Wickenburg	.....	.....	58.4	64.2	66.8	77.0	87.5	85.9	79.2	72.2	73.4	51.9	.....	111	.....	Apr. 4	Dec. 18
Willcox	42.5	44.0	53.8	56.8	61.6	72.8	78.2	76.8	70.4	54.4	52.1	42.3	58.8	101	16	Apr. 10	Oct. 19
Williams	.....	33.6	40.6	45.5	48.4	57.2	66.1	64.6	59.6	51.4	38.8	32.6	.....	89	− 5	June 24	Sept. 26
Winslow	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.6	44.0	36.5	.....	.....	.....	.....	Oct. 4
*Yuma	56.2	56.2	64.9	71.1	72.5	81.4	91.6	91.0	82.6	68.3	62.3	53.1	70.9	114	28	Feb. 14	Nov. 25
Yuma	52.8	54.3	62.6	67.2	69.4	75.8	88.2	88.8	79.4	64.6	60.4	50.8	67.9	112	23	Mar. 23	Oct. 28
Arkansas.																	
Alicia	39.9	43.7	[f]58.0	63.4	70.6	76.0	78.5	[e]78.6	72.2	.....	.....	45.3	.....	97	13	Apr. 30	.....
Amity	44.2	.....	62.2	65.8	69.4	76.0	78.4	78.7	73.6	59.4	54.2	47.6	.....	97	.....	Mar. 12	Oct. 24
Arkadelphia (near)	45.5	47.1	[e]63.7	[e]66.6	70.8	77.0	80.5	80.2	[e]75.3	[e]60.6	56.8	49.6	64.5	100	17	Mar. 12	Nov. 14
Batesville	40.8	43.4	58.5	62.4	70.8	77.2	80.4	80.2	75.0	59.1	52.2	44.2	62.0	103	10	Mar. 21	Nov. 12
*Bee Branch	[d]42.0	43.2	59.5	62.2	69.4	76.2	80.4	79.4	74.2	59.6	53.2	[e]46.8	62.2	100	[b]11	Apr. 30	Nov. 12
Benton	42.2	46.2	[e]63.0	66.4	.....	.....	.....	[e]79.9	75.0	[d]59.4	54.8	47.4	.....	.....	15	Mar. 21	Oct. 24
*Bentonville	37.0	40.6	54.6	57.8	67.0	72.8	75.6	77.0	70.1	56.5	49.6	41.3	58.3	95	7	Apr. 30	Oct. 9
Bergman	34.7	37.7	[b]53.0	55.1	[b]64.4	[b]69.8	[b]73.4	74.1	68.8	56.4	49.6	41.4	56.5	[e]97	3	Apr. 30	Sept. 28
*Brinkley	40.6	45.0	58.7	64.8	71.7	77.9	80.8	80.6	75.2	60.0	54.0	45.7	62.9	100	16	Mar. 22	Oct. 29
Camden	46.7	49.2	[e]64.6	67.8	72.2	77.9	80.6	80.5	74.5	60.5	56.8	50.2	65.1	100	18	Feb. 7	Oct. 29
Centerpoint	45.2	47.9	63.4	66.8	71.8	77.0	80.4	81.0	75.8	61.8	56.3	49.2	64.7	101	16	Mar. 21	Oct. 24

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Arkansas—Continued.																	
Conway	41.7	44.6	59.6	63.6	70.6	76.4	79.8	79.6	74.0	58.4	52.4	46.0	62.2	100	16	Mar. 12	Oct. 29
Corning	39.4	42.0	58.0	61.8	69.3	75.1	78.0	[b]77.8	72.1	57.2	51.0	44.2	60.5	97	7	Apr. 3	Sept. 28
Des Arc	42.0	.....	[b]59.6	65.2	.....	.....	[f]81.8	.....	.....	.....	.....	.....	.....	.....	.....	Mar. 21	.....
Dodd City	37.2	[a]40.2	56.4	59.4	68.3	[a]74.2	77.2	76.7	70.3	56.5	50.0	43.0	59.1	96	[a]2	Apr. 30	Oct. 9
Dutton	[d]37.6	40.7	56.2	[a]57.6	[a]65.8	71.7	[b]73.9	74.0	67.6	55.4	.....	41.0	.....	[b]94	2	May 8	Oct. 9
Earl	.....	.....	.....	.....	.....	.....	.....	.....	.....	59.1	54.6	.....	.....	.....	.....	.....	Oct. 28
*Eldorado	45.0	47.7	[c]63.6	67.8	72.1	78.2	80.6	80.3	75.2	60.4	56.8	48.9	64.7	98	20	Jan. 20	Oct. 29
England	[k]43.2	[d]46.1	[f]62.0	67.2	[c]71.9	.....	.....	[c]79.6	[a]74.0	59.0	[a]55.8	.....	.....	.....	[d]19	Feb. 27	Nov. 13
Eureka Springs	37.1	40.4	55.8	58.6	68.0	73.7	[a]77.9	[a]78.0	71.0	57.6	51.4	41.0	59.3	[a]101	6	Apr. 30	Oct. 9
Fayetteville	39.7	40.8	57.2	59.4	67.8	73.6	76.2	77.4	71.5	58.0	51.6	44.0	59.8	96	6	Apr. 30	Oct. 12
*Forrest City	40.8	43.0	58.8	63.6	[a]70.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	Feb. 28	.....
*Fort Smith	41.8	44.2	59.4	62.0	69.8	76.2	79.5	80.1	73.2	60.2	53.5	45.6	62.1	97	14	Feb. 27	Nov. 12
Hardy	38.6	41.2	57.2	59.7	68.5	73.8	77.8	78.0	72.5	58.1	52.2	43.8	60.1	100	8	Apr. 30	Nov. 11
Heber	40.3	.....	.....	63.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 30	.....
*Helena	41.0	[d]44.3	59.4	65.8	71.2	78.6	81.2	80.4	[b]75.0	61.5	57.2	[b]47.0	63.6	98	[d]12	Feb. 28	Nov. 14
Hope	46.6	48.0	64.4	67.1	72.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	18	Feb. 20	.....
Hot Springs	41.8	44.5	60.2	64.0	69.2	75.4	79.6	79.6	[e]71.0	.....	.....	46.2	.....	100	8	Apr. 30	.....
Huttig	[b]47.0	[d]49.4	[c]64.0	69.8	72.8	78.8	[a]81.0	[b]80.4	75.4	60.4	58.4	[a]50.3	65.6	[a]98	[b]20	Mar. 12	Oct. 29
Jonesboro	41.4	43.0	58.8	63.2	71.1	76.8	79.9	[d]81.0	75.7	.....	.....	.....	.....	102	12	Feb. 20	.....
Junction	45.2	46.6	62.8	.....	72.0	79.8	81.6	80.3	.....	59.3	.....	51.8	.....	.....	19	Mar. 21	.....
Lacrosse	39.3	40.6	56.2	60.2	68.0	73.6	77.6	[c]78.9	.....	[a]57.4	.....	.....	.....	.....	9	Apr. 3	.....
Lake Farm	44.5	[d]46.2	.....	.....	.....	[g]79.0	80.5	80.1	75.2	58.4	[a]56.0	48.4	.....	98	[a]19	.....	Oct. 28
Lewisville	[b]46.4	48.2	[a]62.8	[b]68.3	73.2	79.6	.....	83.1	76.5	62.5	[b]57.2	49.8	.....	.....	[b]18	Mar. 12	Oct. 29
*Little Rock	43.9	46.0	61.0	63.8	70.4	77.1	80.0	80.0	74.5	60.6	55.2	47.5	63.3	96	18	Feb. 22	Nov. 12
Lutherville	40.5	41.8	57.4	60.4	68.8	75.0	77.7	77.6	71.8	57.9	[a]52.0	43.9	60.4	97	10	Apr. 30	Oct. 25
McNeil	.....	[c]47.2	.....	.....	.....	.....	81.5	82.4	77.0	62.2	.....	50.1	.....	103	.....	.....	Oct. 28
*Malvern	42.4	44.3	58.2	63.3	70.2	77.2	80.8	80.3	74.8	58.8	53.5	47.2	62.6	101	16	Mar. 21	Oct. 25
Mammoth Spring	37.0	[a]40.4	[a]55.8	58.9	67.6	72.8	[a]76.2	[c]76.4	[a]70.0	55.2	48.2	40.8	58.3	[a]98	[a]5	Apr. 30	Oct. 28
Marvell	43.6	46.4	61.6	66.4	71.8	78.4	81.2	80.6	75.6	60.2	56.0	48.0	64.2	100	17	Feb. 27	Nov. 13
Mena	41.8	45.4	59.9	63.4	69.2	75.4	78.1	78.4	72.6	59.4	54.5	[a]46.9	62.1	95	11	Feb. 27	Oct. 24
*Montrose	[d]45.0	48.2	63.8	68.8	72.0	78.8	80.8	[b]80.7	75.8	[b]60.2	.....	.....	.....	100	21	Mar. 21	Oct. 29
Mossville	37.0	.....	55.3	57.2	64.9	[f]69.5	74.4	74.6	67.7	57.3	50.1	43.0	.....	92	.....	Apr. 30	Nov. 11
Mount Nebo	40.2	41.6	57.3	60.2	67.6	71.5	.....	.....	.....	58.6	54.4	[f]47.0	.....	.....	10	Apr. 2	Oct. 24
*Newport	39.8	45.2	58.3	64.2	71.6	77.8	81.8	80.8	74.6	59.8	53.6	[b]44.6	62.7	101	13	Feb. 28	Nov. 12
Ozark	42.5	45.4	.....	[c]67.3	.....	77.4	81.7	81.0	[b]74.6	[c]62.4	54.4	47.0	.....	100	12	.....	Nov. 12
*Pine Bluff	42.8	45.0	60.0	65.9	71.0	78.3	81.4	80.8	75.5	60.0	56.2	48.6	63.8	101	17	Mar. 21	Nov. 6
Pocahontas	[b]39.6	[b]43.0	[a]58.4	[a]62.7	70.6	76.0	[a]79.3	79.0	73.6	[d]59.6	52.0	44.6	61.5	100	[c]10	Apr. 3	Nov. 12
Pond	38.2	40.2	55.4	58.4	66.6	72.6	74.6	76.9	70.8	56.8	49.1	41.4	58.4	95	0	May 8	Sept. 28
*Prescott	[c]44.6	47.2	[c]62.0	66.5	71.4	78.4	80.8	81.4	75.2	60.8	55.9	47.0	64.3	99	19	Apr. 30	Oct. 29
Princeton	[a]44.6	47.0	62.4	66.4	71.0	77.1	80.4	80.9	75.2	59.1	54.2	47.2	63.8	101	14	Apr. 30	Oct. 10
Rogers	38.8	40.8	55.8	58.2	67.1	72.6	75.4	76.3	70.5	58.0	51.5	42.7	59.0	95	5	Apr. 30	Sept. 28
*Russellville	39.0	42.0	[a]57.4	61.6	70.2	77.8	81.4	79.6	71.8	56.6	50.4	42.8	60.9	103	14	Mar. 12	Oct. 9
Snowball	.....	40.2	[e]62.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spielerville	42.3	44.4	60.6	[a]62.2	70.9	76.6	79.8	79.0	72.6	60.4	54.4	46.1	62.4	100	13	Feb. 27	Oct. 10
Stuttgart	43.0	46.4	60.9	65.3	70.4	77.0	80.8	79.8	74.8	58.7	54.6	46.7	63.2	100	13	Mar. 21	Oct. 10
*Texarkana	[a]46.4	[b]47.0	[e]62.8	[e]68.6	[f]72.2	[c]79.6	81.6	[a]83.0	[c]75.6	63.9	[b]57.6	49.4	65.6	[a]101	[d]20	Mar. 22	Nov. 14
*Warren	45.0	47.5	60.8	66.7	[a]72.8	77.5	80.8	[a]79.8	[a]74.0	58.9	56.6	48.5	64.1	99	17	Feb. 28	Nov. 14
Wiggs	42.2	44.7	60.2	63.8	68.6	74.8	78.0	78.0	72.0	58.2	53.3	45.8	61.6	101	10	Apr. 30	Oct. 13
Wynne	.....	.....	.....	.....	.....	.....	[c]79.4	79.5	73.4	57.4	52.3	44.4	.....	[d]100	.....	.....	Oct. 28
California.																	
Alturas	34.7	35.8	37.4	47.4	47.2	56.1	69.9	65.2	58.0	45.9	40.3	27.3	47.1	105	−23	June 22	Aug. 26
Angiola	46.3	.....	.....	.....	64.2	70.8	80.8	76.7	71.4	56.8	50.8	38.5	.....	115	21	.....	Dec. 18
Antioch	45.6	48.1	58.5	60.8	70.9	79.6	85.4	81.3	[f]77.8	.....	.....	47.4	.....	109	28	.....	Dec. 17
Aptos	51.4	49.9	52.4	58.7	61.2	61.4	61.4	60.9	59.7	56.6	52.2	46.2	56.0	83	27	.....	Nov. 27
Auburn	53.8	52.0	53.5	60.2	58.2	68.8	83.0	77.2	69.0	63.0	62.9	45.2	62.3	109	24	.....	.....
Azusa	52.3	50.4	55.0	59.8	59.0	64.4	72.5	72.3	69.5	60.8	55.2	49.6	60.1	102	25	.....	.....
Bagdad	54.4	56.7	65.2	73.5	77.3	87.6	97.0	93.4	84.4	70.0	63.7	51.4	72.9	114	28	.....	.....
Bakersfield	48.2	50.8	53.3	62.4	68.0	73.4	88.8	84.1	72.8	60.7	53.1	42.6	63.2	118	23	.....	.....
Barstow	46.1	47.4	54.1	62.4	65.0	74.7	85.6	81.8	71.8	58.3	52.4	42.0	61.8	112	15	.....	Oct. 21
Beckwith	33.9	35.6	36.6	47.8	45.9	54.8	67.0	63.8	56.5	46.0	40.0	30.4	46.5	103	− 4	June 22	Aug. 23
Berkeley	48.6	.....	52.8	57.0	57.5	59.7	62.6	61.0	61.8	58.4	53.0	45.6	.....	87	32	.....	Dec. 20
Biggs	49.8	49.8	54.9	61.0	63.2	71.9	85.5	83.0	73.8	64.0	59.6	45.1	63.5	112	28	.....	.....
*Bishop	38.4	40.0	48.0	56.0	58.6	65.2	76.0	71.4	.....	.....	.....	35.2	.....	98	8	.....	.....
Blocksburg	43.6	43.0	46.8	52.6	50.0	59.6	70.6	69.9	63.8	56.0	50.5	41.0	54.0	107	21	May 4	Oct. 20
Blue Canon	37.6	37.0	40.6	48.0	45.8	53.8	66.4	64.7	58.4	51.6	46.6	39.1	49.1	89	10	.....	.....
Branscomb	43.4	42.0	46.5	52.2	47.8	56.8	70.6	67.9	62.0	52.8	49.7	42.2	52.8	102	21	May 13	Oct. 16
Brush Creek	41.6	41.4	46.6	55.2	53.5	63.2	76.0	71.0	64.0	52.6	46.4	38.0	54.1	110	16	May 16	Oct. 20
Cabazon	57.4	63.6	63.4	64.5	65.4	79.6	87.2	81.2	71.6	67.5	60.4	52.4	67.8	109	36	.....	.....
Calexico	55.2	56.8	65.2	73.0	70.4	82.7	92.0	90.4	83.8	69.9	62.5	53.5	71.3	112	32	.....	Dec. 20
Caliente	52.7	54.2	57.9	65.8	67.0	77.5	91.0	86.6	79.0	64.9	58.7	46.8	66.8	112	28	Feb. 15	Dec. 19
Calistoga	45.3	44.9	48.7	58.0	52.9	.....	68.4	66.6	56.4	51.8	48.0	46.6	.....	100	24	.....	.....
Campbell	48.6	48.2	50.8	55.4	54.4	60.3	67.8	65.0	63.4	56.0	53.1	43.2	55.5	98	23	Apr. 2	Oct. 17
Camptonville (near)	42.3	42.0	49.8	58.9	55.8	68.2	81.0	78.8	71.8	58.4	53.6	43.1	58.6	112	19	.....	.....
Cedarville	32.4	33.0	38.4	48.4	46.3	57.6	74.1	68.8	60.2	45.9	40.8	25.8	47.6	106	−11	June 22	Aug. 30
Chico	47.1	48.0	53.6	61.2	62.6	71.0	83.8	79.4	72.9	62.4	54.0	43.4	61.6	116	22	Mar. 31	Nov. 27
Chino	53.8	51.9	57.9	64.4	65.1	69.9	81.0	79.5	74.4	62.6	56.8	52.0	64.1	109	29	Feb. 15	Nov. 29
Cisco	37.0	37.1	38.6	42.0	43.9	47.6	62.8	61.6	50.9	41.6	38.0	20.2	42.2	89	3	.....	.....
Claremont	53.3	51.0	56.0	60.5	60.5	66.6	77.0	75.5	72.9	63.4	58.0	51.3	60.2	108	28	.....	.....
Cloverdale	47.9	49.3	55.0	60.2	58.8	65.8	73.0	68.6	69.2	59.4	54.1	45.0	58.9	105	24	Feb. 13	Dec. 17
Colfax	44.0	44.5	44.3	.....	54.2	75.2	80.4	76.2	67.8	58.3	52.5	39.6	.....	110	20	Mar. 31	.....
Colusa	47.3	48.8	54.2	62.6	62.8	69.3	80.8	75.6	71.2	61.5	53.0	41.2	60.7	107	26	.....	.....
Corning	48.5	49.6	54.2	63.4	62.8	76.0	88.2	85.9	73.6	60.7	54.6	43.6	63.4	114	32	.....	.....
Craftonville	54.6	54.4	58.9	68.4	62.4	71.2	86.0	81.7	73.9	62.6	65.7	49.3	65.8	108	28	.....	.....
Crescent City	49.2	50.2	47.2	49.4	50.0	52.4	58.0	53.5	56.4	.....	.....	46.2	.....	77	31	Apr. 5	Dec. 16
Cuyamaca	36.5	34.3	41.5	47.4	49.4	57.0	67.9	64.5	57.4	50.2	47.8	40.6	49.3	87	17	.....	.....
Daunt	39.6	40.2	45.6	53.2	51.4	62.9	76.4	73.8	67.1	56.0	51.7	43.4	55.0	104	13	.....	.....
Davisville	52.2	53.2	59.2	67.9	.....	68.2	75.4	71.2	70.3	60.3	54.2	44.1	.....	107	20	.....	Oct. 22
Deer Creek	37.0	38.8	43.1	51.5	48.1	56.8	69.8	67.2	62.0	50.0	45.4	36.8	50.5	98	10	.....	Oct. 17
Delano	50.7	52.5	63.9	72.8	.....	86.0	94.2	91.7	78.8	64.4	58.0	45.5	.....	115	26	.....	Dec. 17
Delta	44.2	44.8	52.4	58.8	57.3	67.2	80.6	77.6	70.6	58.8	52.8	42.2	58.9	114	22	Mar. 6	Nov. 29
Denair	46.2	45.8	.....	60.2	.....	69.1	80.8	75.6	71.9	60.7	53.9	41.2	.....	109	25	.....	.....

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
California—Continued.																	
Dobbins	51.2	54.9	61.2	67.7	66.2	70.3	84.9	81.6	74.0	63.0	58.8	49.6	64.8	110	19	.....	.....
Dunnigan	49.9	50.7	57.6	66.8	71.3	79.4	91.4	88.8	85.3	64.8	58.8	45.5	67.5	107	36	.....	.....
Dunsmuir	36.6	39.3	40.8	51.5	51.7	64.2	75.8	71.2	62.2	50.4	44.8	36.6	52.1	110	19	.....	.....
Durham	47.0	48.4	53.2	61.1	60.4	69.0	81.7	77.0	71.7	60.4	53.2	42.4	60.5	109	24	Mar. 31	Oct. 22
El Cajon	54.8	52.9	57.0	62.1	60.0	65.4	73.9	74.6	71.3	61.6	58.4	51.6	62.0	105	28	.....	.....
Electra	51.2	51.4	56.2	63.7	64.1	72.0	84.9	80.1	75.1	62.9	57.1	45 9	63.7	110	28	.....	.....
Elsinore	48.4	48.2	55.6	61.3	60.4	68.0	78.0	76.8	72.6	60.6	54.4	48.1	61.0	108	20	May 9	Oct. 28
Emigrant Gap	32.4	28.3	31.2	42.6	42.7	55.6	72.8	69.5	61.2	50.5	45.4	39.0	47.6	95	9	.....	.....
Escondido	51.4	50.4	55.0	58.9	59.4	64.7	72.6	72.4	69.0	58.0	54.0	48.0	59.5	103	21	.....	.....
*Eureka	49.0	46.0	47.2	49.7	50.0	52.2	55.4	53.7	54.2	52.2	51.4	47.0	50.7	72	30	.....	Dec. 15
Farmington	48.4	46.0	54.2	64.9	66.7	74.4	86.7	81.2	.....	58.9	53.9	43.3	.....	116	27	Mar. 8	Nov. 27
Folsom	48.6	50.0	54.8	62.8	63.5	71.6	83.2	78.6	75.0	63.2	56.7	43.2	62.6	113	27	Mar. 31	Nov. 27
Fordyce Dam	29.1	30.3	30.9	41.0	40.6	49.8	63.6	58.1	50.9	43.0	37.0	26.3	41.7	92	−10	.....	.....
Fort Ross	51.4	49.2	52.4	.....	54.4	57.8	61.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fouts Springs	42.0	42.8	47.9	55.0	55.4	64.0	77.8	74.2	67.2	56.3	50.3	39.9	56.1	112	15	.....	.....
*Fresno	48.0	49.4	56.2	64.1	63.6	72.7	86.5	81.5	74.5	62.2	55.6	41.3	63.0	114	29	Jan. 8	Nov. 28
Fruto	49.0	48.8	55.0	64.2	66.6	77.6	89.6	83.9	74.5	63.2	55.6	44.6	64.4	113	27	.....	.....
Galt	52.0	53.2	60.5	62.2	64.9	75.1	78.4	76.1	78.8	61.8	56.8	41.4	63.4	103	28	.....	.....
Georgetown	43.9	43.2	48.8	56.0	53.0	63.0	78.2	75.1	68.1	56.0	52.6	40.2	56.5	104	20	Mar. 31	Nov. 27
Gilroy	51.0	47.2	48.2	60.1	59.2	66.4	73.6	69.1	64.7	59.8	52.6	46.0	58.2	108	25	.....	Nov. 27
Gold Run	40.4	42.6	47.8	56.6	57.9	67.6	79.0	76.9	70.2	57.8	56.2	45.9	58.2	102	17	.....	.....
Gonzales	48.7	53.2	51.9	60.4	56.2	56.3	57.4	58.3	54.1	55.3	49.7	46.9	54.0	95	24	.....	Dec. 15
Greenville	36.2	38.7	40.7	49.8	49.6	57.2	69.0	64.6	59.2	48.4	41.5	33.8	49.1	105	4	.....	.....
Guinda	44.1	46.1	47.6	59.2	60.5	73.8	88.8	89.3	73.9	68.5	48.9	39.8	61.7	114	20	Mar. 31	.....
Hanford	46.5	48.4	49.8	.....	54.4	74.0	.....	78.4	77.0	73.4	.....	47.4	.....	110	23	.....	.....
Healdsburg	47.8	49.2	56.0	61.4	59.4	66.8	72.4	.....	68.6	61.5	52.4	44.0	.....	104	23	Feb. 22	Nov. 26
Heber	.....	58.4	66.0	71.2	73.6	82.4	93.6	91.6	83.5	69.4	64.4	52.6	.....	117	26	.....	Nov. 29
Helen Mine	43.2	42.9	50.2	56.7	54.2	63.7	77.4	75.8	67.8	55.8	51.6	42.1	56.8	102	28	Feb. 17	.....
Hollister	49.0	49.6	51.7	56.2	56.0	59.6	65.3	64.5	64.6	58.3	54.2	44.2	56.1	101	22	Apr. 8	Oct. 21
Hornbrook	38.7	41.2	47.6	57.2	54.0	63.6	82.0	76.1	65.4	46.9	39.0	36.0	54.0	105	16	.....	.....
Hot Springs	44.6	43.2	48.6	57.0	55.5	65.8	75.8	77.8	68.2	54.4	50.4	40.6	56.8	103	19	.....	.....
Hullville (near)	41.5	41.4	45.9	52.9	51.0	60.0	73.4	69.4	62.4	52.6	47.5	38.4	53.0	109	5	June 22	Aug. 30
Idyllwild	40.6	37.9	.....	49.6	49.6	58.1	69.0	66.0	59.8	50.4	46.2	39.1	.....	94	6	.....	.....
Imperial	54.6	56.8	63.1	70.0	73.9	81.8	93.0	90.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Independence	37.7	40.4	49.7	57.2	58.3	68.3	79.1	74.3	66.2	53.4	47.2	36.6	55.7	101	10	May 9	Oct. 19
Indio	55.4	56.7	66.2	74.4	76.2	85.4	93.9	90.8	84.2	70.4	65.4	53.6	72.7	114	26	.....	.....
Ione	43.4	42.2	45.6	54.5	56.8	65.3	75.6	76.4	59.6	50.2	45.2	40.7	54.6	109	24	.....	Nov. 26
Iowa Hill	45.4	44.4	50.0	57.4	54.0	63.7	79.2	75.0	69.8	57.8	54.1	44.0	57.9	103	20	May 8	Oct. 20
Jamestown	46.0	45.2	50.8	58.7	57.4	65.6	78.6	74.7	69.9	57.0	51.6	40.9	58.0	108	21	.....	.....
Johnsville	35.2	36.6	40.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Keeler	45.8	47.5	58.2	67.5	69.0	83.0	93.3	88.8	79.0	62.2	50.4	43.5	65.7	110	28	.....	.....
King City	52.4	50.0	52.0	55.0	65.2	63.6	70.9	72.8	77.8	.....	.....	47.0	.....	107	17	.....	Nov. 20
La Porte	35.4	35.8	38.6	45.9	43.8	53.4	66.9	64.2	58.4	47.2	43.9	35.4	47.4	93	9	June 3	Oct. 16
Lee	50.6	52.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Le Grand	45.1	42.4	50.6	59.7	58.8	70.2	84.4	79.2	73.8	59.7	51.7	40.6	59.7	113	27	.....	.....
Lemon Cove	49.4	50.0	57.0	63.5	64.2	71.7	85.6	81.0	75.6	64.6	58.3	44.7	63.8	114	23	.....	Dec. 16
Lick Observatory	40.1	38.9	44.6	50.7	46.9	58.1	74.4	70.2	62.8	51.6	50.7	40.6	52.5	91	23	.....	.....
Livermore	50.2	50.4	55.0	58.9	58.6	64.5	74.2	71.2	69.2	59.9	54.4	44.4	59.2	107	25	Mar. 31	Dec. 17
Lodi	48.0	48.0	52.4	59.4	60.9	67.6	76.3	71.0	68.6	57.8	51.2	43.5	58.8	105	28	Mar. 8	Nov. 27
Lone Pine	37.8	42.1	50.3	55.4	58.0	65.6	76.0	72.0	64.6	53.0	45.8	37.0	54.8	99	12	May 9	Oct. 22
*Los Angeles	56.5	54.2	58.0	61.2	59.8	63.1	70.2	70.2	69.8	64.7	59.4	55.2	61.9	96	37	.....	.....
Los Banos	58.6	50.1	54.9	61.8	63.2	71.9	80.0	77.1	72.4	65.5	59.1	43.6	63.2	108	30	.....	Nov. 28
Los Gatos	49.4	48.6	54.0	59.1	57.0	62.6	70.1	67.6	67.2	59.8	54.3	44.8	57.9	99	27	.....	.....
Magalia	42.2	42.2	46.8	56.8	51.5	61.6	76.4	73.1	66.6	53.8	49.8	39.6	55.0	107	19	May 8	Oct. 20
Mammoth Tank	58.6	60.2	65.8	74.8	76.8	85.9	95.9	96.4	89.4	71.2	64.0	52.8	74.3	117	23	.....	.....
Marysville	48.2	48.0	55.2	62.0	61.1	71.8	80.5	76.2	73.4	.....	55.6	42.4	.....	113	22	.....	.....
Mecca	53.2	52.0	61.6	69.5	74.8	80.9	89.5	90.9	82.4	68.2	64.4	53.8	70.1	112	24	.....	.....
Mendota	45.6	45.7	57.9	65.9	66.1	80.7	88.4	82.6	75.5	61.5	49.7	.....	.....	111	.....	.....	Nov. 26
Menlo Park	54.4	53.2	55.9	61.9	56.0	57.5	65.0	58.7	61.9	56.9	51.4	49.9	56.9	96	24	.....	.....
Merced	46.3	45.4	53.5	62.3	60.1	67.8	83.6	79.4	71.4	58.2	51.4	43.2	60.2	112	27	.....	.....
Mill Creek	46.2	46.8	51.2	57.0	56.0	63.2	75.6	72.8	66.8	56.4	52.6	43.2	57.3	106	19	May 26	Oct. 21
Milton (near)	48.3	48.8	54.0	61.7	61.5	70.0	82.0	76.6	73.4	62.1	56.3	42.2	61.4	107	29	Feb. 13	Dec. 15
Modesto	51.0	51.6	60.7	70.2	76.2	79.9	82.6	87.0	85.4	71.8	57.6	42.6	68.0	107	30	.....	Nov. 27
Mojave	62.8	.....	61.6	65.1	60.2	71.2	89.6	84.1	78.2	61.7	55.8	50.6	.....	110	28	.....	.....
Mokelumne Hill	47.7	46.8	52.2	59.6	57.3	66.9	81.6	77.0	72.0	60.6	56.1	42.2	60.0	105	23	Feb. 14	Dec. 15
Mono Ranch	41.8	41.5	48.0	54.2	53.7	60.3	70.8	68.1	63.9	52.4	47.8	40.5	53.6	96	18	.....	Oct. 18
Montague	35.4	35.8	40.7	49.8	46.5	59.9	75.0	68.4	59.0	47.0	40.1	36.2	49.5	108	11	May 20	Aug. 29
Monterey	49.8	48.4	51.7	54.2	57.6	56.4	59.9	61.3	64.0	57.7	53.3	43.9	54.8	86	25.	Feb. 17	.....
Monterlo	48.4	41.4	51.9	55.6	51.3	64.8	79.6	81.8	66.1	56.8	60.2	.....	.....	102	.....	.....	.....
Monumental	39.1	39.8	40.0	49.4	45.9	55.8	69.3	66.6	59.8	51.6	46.6	36.6	50.0	98	17	May 8	Sept. 16
Mount Hebron	34.6	33.4	36.6	46.2	46.0	55.5	70.4	63.5	56.3	44.9	39.0	27.6	46.2	102	−10	June 21	Aug. 25
*Mount Tamalpais	44.2	42.9	50.2	53.8	50.7	59.5	72.8	70.2	66.2	55.4	52.8	43.0	55.1	96	31	Feb. 10	Dec. 16
Napa City	48.0	48.0	52.2	55.9	56.4	62.0	66.4	63.6	63.2	57.2	52.4	43.3	55.7	99	24	Mar. 6	Dec. 17
Napa (S. H.)	46.5	47.2	52.0	57.0	59.4	65.3	71.0	67.8	69.4	60.2	52.7	43.2	57.5	102	28	.....	.....
Needles	.....	57.9	65.6	.....	.....	88.0	96.3	94.1	81.5	63.2	56.2	47.1	.....	114	24	.....	.....
Nevada City	42.5	42.4	47.0	54.0	51.6	60.0	73.0	71.2	65.7	53.8	50.0	41.0	54.4	104	12	.....	.....
Newcastle	47.0	48.1	55.2	62.2	59.6	69.6	81.5	76.0	73.2	61.1	54.9	41.8	60.8	109	24	Feb. 29	.....
Newhall	47.9	47.1	51.5	57.8	64.8	67.7	78.5	75.7	72.2	59.8	52.4	45.4	60.1	110	24	Feb. 17	Nov. 28
Newman	47.2	50.0	54.4	62.3	63.0	69.8	84.4	76.4	71.0	63.4	57.2	43.9	61.9	114	28	.....	.....
Nimshew	42.6	41.6	47.8	55.8	56.3	63.7	77.6	74.2	67.4	54.4	52.0	39.6	56.1	105	17	Jan. 5	Dec. 6
North Bloomfield	40.0	39.8	44.0	52.6	48.8	58.2	71.0	68.5	62.6	51.6	47.0	38.6	51.9	101	11	May 20	Oct. 17
Oakdale	46.6	46.2	51.6	59.3	60.6	69.9	81.1	77.0	72.5	59.4	52.4	41.8	59.9	111	26	.....	.....
Oakland	50.0	49.9	54.0	58.2	58.9	60.9	63.2	61.7	62.0	58.2	53.6	45.9	56.4	99	32	.....	Dec. 18
Ojai Valley	52.6	50.8	54.5	59.6	58.3	62.8	72.3	70.8	69.4	61.1	56.6	51.0	60.0	108	24	.....	.....
Orland	47.7	48.4	57.0	60.6	65.1	74.1	85.8	82.2	76.4	65.4	58.2	40.6	63.5	120	24	.....	.....
Orleans	49.8	50.0	55.2	62.9	60.4	70.4	83.0	80.0	72.0	60.6	55.4	46.4	62.2	117	24	.....	Oct. 21
Oroville (near)	47.8	49.3	54.8	62.9	62.4	71.5	83.4	77.6	74.2	63.0	55.3	42.5	62.1	112	26	.....	.....
Palermo	47.6	48.6	54.2	62.2	62.2	70.2	82.0	77.0	72.8	61.6	54.0	42.7	61.3	115	25	.....	.....
Palm Springs	55.2	55.9	68.1	71.7	70.6	80.8	91.2	88.3	80.6	68.4	63.0	52.1	70.5	113	34	.....	.....
*Paso Robles	47.3	46.4	57.8	59.0	70.2	75.3	82.4	75.6	66.0	51.4	50.9	41.0	60.3	112	25	.....	Nov. 29
Peachland	46.8	47.8	52.4	56.3	56.6	61.0	65.3	63.0	65.4	57.8	52.2	43.0	55.6	100	22	Apr. 22	Nov. 26
Pine Crest	55.4	52.0	57.2	60.8	59.1	61.8	68.3	68.0	68.4	64.1	59.2	55.0	60.8	95	38	.....	.....

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
California—Continued.																	
Placerville	42.7	43.6	47.4	54.8	53.8	63.6	75.6	69.5	64.1	52.6	48.0	39.0	54.6	100	15	.....	.....
Point Lobos	53.2	52.4	56.0	57.4	56.2	56.6	56.8	58.6	61.7	58.8	55.4	47.8	55.9	86	36	.....	.....
*Point Reyes	51.4	49.0	50.0	51.5	49.2	50.2	53.8	53.0	55.8	54.4	52.3	49.0	51.7	79	39	.....	.....
Porterville	49.4	49.8	56.4	64.0	63.8	71.1	85.0	81.1	74.6	62.0	55.8	43.4	63.0	114	22	.....	Dec. 18
Poway	53.0	50.6	54.4	60.7	59.9	66.9	74.2	74.0	70.5	60.0	56.5	49.4	60.8	104	24	Feb. 15	.....
Quincy	35.4	35.0	37.8	49.6	46.6	56.5	66.6	63.5	56.2	46.8	39.0	32.3	47.1	97	6	May 30	Aug. 23
*Red Bluff	47.0	48.2	54.8	63.0	61.9	72.3	86.3	81.1	74.2	62.0	55.0	41.8	62.3	114	25	.....	Dec. 17
Redding	47.2	47.8	54.7	63.5	61.0	71.9	85.4	80.4	73.2	60.9	54.8	42.7	62.0	109	26	.....	.....
*Redlands	51.4	51.3	57.9	64.8	62.3	68.2	78.0	76.2	72.3	62.0	56.6	50.5	62.6	106	25	.....	.....
Reedley	47.9	48.4	55.8	63.0	64.2	72.3	82.6	80.4	73.6	61.5	53.8	41.2	62.1	114	27	.....	.....
Rialto (near)	55.7	53.5	59.7	64.0	61.2	68.0	79.0	78.9	76.0	66.4	65.8	57.4	65.5	104	32	.....	Dec. 17
*Riverside	51.4	50.9	55.6	61.4	61.2	68.3	76.8	75.4	72.4	62.3	56.6	51.0	61.9	108	27	.....	Nov. 29
Rocklin	48.2	49.5	54.0	58.0	59.0	67.8	80.7	76.0	72.0	61.8	54.4	43.8	60.4	110	24	.....	.....
Rohnerville	48.3	45.9	47.6	51.0	50.8	53.4	57.8	56.3	55.8	54.6	53.8	47.2	51.9	84	28	Feb. 13	Dec. 15
*Sacramento	47.5	49.2	55.4	61.0	61.0	67.2	75.8	71.4	71.2	60.7	54.2	42.1	59.7	103	28	.....	Nov. 28
Sacramento	47.8	49.2	54.6	60.4	60.2	65.7	73.2	69.6	68.0	58.2	52.2	43.4	58.5	98	28	.....	.....
St. Helena	47.8	47.8	53.8	59.6	59.8	66.2	72.0	69.0	68.2	64.0	53.4	43.9	58.8	106	22	Mar. 31	Nov. 29
Salinas	52.3	51.2	53.2	56.8	56.0	57.8	61.0	61.2	60.7	58.0	54.0	48.8	55.9	94	30	Apr. 1	.....
*San Bernardino	51.8	52.1	56.0	62.0	61.1	67.4	77.6	76.2	72.4	62.0	56.8	50.6	62.2	107	24	Feb. 17	Nov. 25
*San Diego	56.9	54.0	56.8	59.4	57.4	60.1	66.8	68.0	66.6	61.6	57.9	53.7	59.9	84	37	.....	.....
*San Francisco	50.8	50.9	54.8	56.4	55.4	55.4	57.3	57.4	60.5	58.8	55.4	47.0	55.0	89	35	.....	Dec. 18
San Jacinto	52.4	51.6	58.4	62.8	61.6	71.8	79.9	77.6	72.7	63.4	57.4	49.8	63.3	108	21	Mar. 8	Nov. 25
*San Jose	49.8	49.4	52.6	57.1	55.9	60.4	68.1	65.2	64.5	57.6	53.6	44.6	56.6	96	25	Mar. 8	Nov. 27
*San Luis Obispo	52.3	50.2	56.6	57.6	55.2	58.9	64.2	64.0	63.2	58.5	54.0	51.2	57.2	96	28	Feb. 14	Nov. 29
San Mateo	49.5	52.4	54.8	62.3	61.6	65.5	69.5	66.8	66.7	61.1	55.8	48.1	59.5	94	30	.....	.....
San Miguel	48.4	49.0	55.7	62.1	64.3	68.9	80.3	76.4	71.6	59.2	55.3	46.0	61.4	108	22	Mar. 8	Oct. 22
Sanger	50.4	51.1	56.9	64.0	67.9	80.9	97.1	84.6	71.3	66.9	58.8	48.0	66.5	114	32	.....	.....
Santa Barbara	54.6	52.2	55.9	59.0	58.2	60.2	65.8	66.5	64.9	59.6	56.2	51.5	58.7	91	32	.....	Dec. 16
Santa Clara	49.8	49.4	53.0	57.0	56.6	60.8	68.4	65.7	65.0	58.0	53.8	45.1	56.9	98	24	Apr. 5	Nov. 27
Santa Cruz	51.6	50.5	52.4	56.1	55.2	58.0	60.8	60.5	60.9	57.0	54.2	47.8	55.4	93	25	Apr. 1	Nov. 27
Santa Margarita	51.3	57.6	55.1	56.0	57.9	69.6	86.8	80.0	66.7	57.6	52.0	49.8	61.7	106	22	.....	Nov. 27
Santa Maria	51.9	50.3	55.6	59.8	57.5	60.0	65.0	64.9	62.5	58.4	53.2	50.3	57.4	89	29	.....	Dec. 16
Santa Monica	55.9	51.5	53.6	55.0	54.0	56.0	61.4	62.6	61.8	55.8	52.7	49.4	55.7	81	32	.....	.....
Santa Rosa	47.8	47.2	51.4	56.0	56.6	61.2	65.8	63.5	66.1	57.5	52.1	43.4	55.7	99	22	.....	.....
Selma	47.3	45.5	52.3	62.5	66.6	75.7	88.2	80.4	72.1	63.4	52.9	41.6	62.4	109	29	Mar. 8	Nov. 26
Shasta	45.6	50.4	57.0	65.9	60.4	75.0	87.2	81.6	74.6	65.2	56.7	39.6	63.3	119	17	.....	Nov. 28
Sierra Madre	54.0	51.7	57.2	61.8	60.4	64.9	74.8	73.4	71.1	63.6	57.8	52.2	61.9	99	34	.....	.....
Sisson	34.2	34.3	38.8	48.1	51.0	55.6	70.7	66.6	58.0	50.3	42.0	33.4	48.6	96	9	Feb. 26	Nov. 2
Soledad	52.2	52.2	57.6	51.8	48.0	51.5	.....	62.8	62.0	54.6	43.4	41.8	.....	107	22	.....	Dec. 18
*Southeast Farallon	52.2	50.4	50.5	51.0	50.0	50.2	53.4	53.3	54.0	53.5	52.6	49.6	51.7	75	41	.....	.....
Sterling City	39.8	40.2	42.6	52.2	50.2	61.4	72.3	70.6	62.1	51.6	49.8	40.0	52.7	102	12	.....	.....
Stockton (S. H.)	46.7	48.2	53.2	60.4	60.3	67.0	76.0	70.8	68.8	58.8	52.3	41.0	58.6	103	26	.....	Nov. 28
Storey	45.2	47.8	52.6	60.4	61.0	70.0	84.0	79.3	72.2	59.4	52.6	41.2	60.5	114	27	.....	.....
Suisun	49.0	49.8	.....	64.0	67.7	70.8	73.6	73.8	76.9	65.2	51.4	43.6	.....	102	30	.....	Nov. 28
Summerdale	38.6	37.4	.....	49.6	46.8	57.3	71.2	69.1	61.2	54.2	51.5	39.1	.....	93	13	.....	Oct. 3
*Summit	30.6	32.0	35.0	41.4	40.2	44.3	61.2	58.2	52.2	43.0	39.1	29.2	42.2	82	4	.....	Oct. 30
Susanville	32.1	34.7	39.2	48.6	47.7	57.5	70.8	66.8	57.5	45.4	39.8	28.7	47.4	98	−1	June 22	Sept. 25
Tamarack	26.8	30.6	31.0	34.8	36.8	45.8	61.0	59.3	49.8	38.3	36.2	12.7	37.8	87	−22	June 23	Aug. 30
Tehachapi	43.0	39.8	45.3	55.5	50.0	.....	.....	.....	64.8	52.3	48.5	40.9	.....	.....	26	.....	.....
Tehama	45.0	44.5	50.2	59.5	54.1	68.3	85.9	74.2	62.0	57.6	57.6	43.4	60.8	109	30	.....	Nov. 28
Towle	41.8	40.4	45.0	53.2	50.6	60.8	72.7	69.8	63.4	51.8	50.8	41.4	53.5	100	5	.....	.....
Tracy	50.0	50.6	55.3	64.9	70.3	74.4	84.3	78.2	69.1	56.4	56.3	37.2	62.2	107	18	Mar. 6	Nov. 28
Truckee	29.1	31.2	34.1	44.2	44.7	52.4	62.8	61.3	49.3	36.5	27.3	15.2	40.7	93	−7	.....	.....
Tulare (near)	47.5	48.4	54.4	60.8	62.6	69.3	81.7	83.2	67.6	58.8	53.0	41.4	60.7	110	26	Mar. 31	Nov. 27
Ukiah	45.7	46.1	50.8	56.6	55.1	63.8	75.9	73.1	67.2	57.6	52.2	42.8	57.2	114	21	.....	Nov. 26
Upland	52.4	50.7	56.4	61.0	60.8	66.7	74.4	71.9	72.0	63.0	56.8	50.8	61.4	105	27	Feb. 15	Nov. 24
Upper Lake	44.6	45.2	51.7	57.5	55.3	64.6	77.6	74.4	67.4	56.3	50.6	41.2	57.2	109	16	Mar. 8	Oct. 21
Vacaville	47.8	48.6	54.0	60.6	61.2	67.3	78.3	73.9	71.8	61.6	55.2	44.0	60.4	111	25	Mar. 31	Nov. 26
Valley Springs	51.1	50.9	57.2	64.8	64.7	70.9	80.5	77.0	72.4	64.2	57.5	44.7	63.0	112	31	.....	.....
Visalia	54.4	54.8	52.6	58.6	63.2	66.0	78.0	75.2	69.4	65.2	59.2	57.6	62.8	110	25	Mar. 31	Dec. 13
Wasco	46.0	45.4	47.4	58.9	60.6	67.8	84.3	82.0	73.3	62.6	57.5	46.2	61.0	114	22	.....	.....
Watsonville	49.7	43.8	51.8	53.2	55.3	54.6	55.0	56.0	54.2	50.2	46.8	42.9	51.1	79	20	Apr. 3	.....
Westley	48.1	49.8	57.0	65.8	67.2	76.2	87.2	82.1	77.0	67.4	56.2	43.3	64.8	112	26	.....	.....
Wheatland	46.6	48.1	53.2	61.2	61.5	69.5	80.6	75.4	71.6	59.8	52.5	41.4	60.1	108	24	Mar. 31	Nov. 26
Willits	47.2	47.4	.....	56.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Willows	46.0	47.2	53.4	62.2	62.1	70.8	82.4	77.6	72.7	60.9	53.1	41.7	60.8	111	24	Mar. 5	Nov. 28
Woodland	51.4	52.0	55.7	65.1	69.2	69.5	87.5	78.6	78.1	.....	.....	.....	.....	110	.....	.....	Nov. 26
Yosemite	33.6	39.4	46.2	54.0	53.2	61.9	72.5	71.0	58.0	49.0	41.2	31.4	51.0	103	4	May 31	Oct. 3
Colorado.																	
Alamosa	17.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Amethyst	16.2	17.5	26.4	37.3	40.0	48.3	55.9	54.6	49.1	27.2	25.4	5.6	33.6	79	−31	June 22	Sept. 15
Arriba	29.9	29.0	40.2	46.6	52.8	63.2	68.6	68.1	63.9	46.6	35.0	22.8	47.2	94	−16	May 6	Sept. 27
Ashcroft	16.8	19.0	25.2	34.8	39.9	49.5	54.6	53.6	48.2	33.2	24.2	18.8	34.8	81	−15	(1)	(1)
Blaine	36.2	37.1	46.6	53.0	59.2	71.0	73.7	76.8	71.2	57.6	44.7	34.1	55.1	105	− 5	Apr. 30	Oct. 28
Boulder	37.4	38.0	45.8	52.5	54.6	64.0	69.4	67.6	66.3	49.0	40.0	34.3	51.6	92	− 8	May 5	Sept. 27
Breckenridge	18.3	19.6	27.2	35.4	37.9	46.6	53.8	52.8	48.0	32.7	24.0	16.6	34.4	78	−20	(1)	(1)
Buena Vista	19.4	23.7	.....	37.7	46.0	57.0	63.0	61.0	56.7	.....	31.4	20.3	.....	99	−10	June 28	Sept. 27
Burlington	.....	.....	.....	.....	.....	.....	.....	72.4	68.1	50.6	36.8	25.1	.....	99	.....	.....	Sept. 27
Calhan	28.6	29.2	39.6	45.9	50.0	61.0	65.4	64.6	61.0	44.8	33.4	25.4	45.7	91	−13	May 20	Sept. 27
Canon City	38.4	39.0	48.2	54.5	57.9	69.6	74.0	72.2	67.4	53.0	44.0	37.8	54.7	98	− 4	May 6	Sept. 27
Castle Rock	30.6	32.0	40.6	45.6	50.8	60.2	65.6	64.0	59.8	44.2	32.8	28.0	46.2	90	−13	May 21	Sept. 27
Cheesman	31.4	31.2	41.2	45.2	49.6	59.9	64.4	65.2	59.8	44.8	36.0	32.1	46.7	89	− 6	May 12	Sept. 24
Cheyenne Wells	21.0	32.6	41.8	50.1	57.6	68.8	72.0	70.6	67.2	50.8	40.0	25.6	50.7	100	−12	May 21	Sept. 27
Chlomo	16.3	27.8	.....	42.1	46.0	53.8	60.6	58.8	52.8	39.4	28.4	14.6	.....	88	−32	June 29	Sept. 18
Colibran	22.2	25.0	39.2	.....	49.8	58.2	67.7	65.4	59.1	43.0	34.7	24.6	.....	91	−14	May 4	Sept. 27
Colorado Springs	32.0	32.0	43.2	47.0	51.9	62.4	65.8	65.5	60.6	46.6	36.1	31.5	47.9	91	− 6	May 7	Sept. 27
Cope	29.8	27.6	39.6	.....	52.1	62.6	66.9	67.2	62.4	47.1	34.7	.....	.....	100	.....	May 28	Sept. 27

[1] Freezing temperature every month.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Colorado—Continued.																	
*Corona	10.2	9.3	15.9	24.3	27.8	38.4	47.2	45.0	40.4	23.8	16.6	12.4	25.9	64	−20	(1)	(1)
Delta	29.4	33.9	43.4	50.8	55.4	65.4	74.1	70.6	62.6	47.8	35.6	26.6	49.6	99	2	May 5	Sept. 27
Denver	34.0	35.0	43.6	50.4	53.8	64.6	69.8	68.8	65.0	48.8	37.4	31.4	50.2	92	− 9	May 6	Sept. 27
*Dolores											37.9	30.2					
Dunkley	18.4	20.6	29.6	37.8	43.5	51.5	60.5	57.6	55.1	33.9	24.3	19.9	37.7	85	−17	(1)	(1)
Durango	26.2	28.4	39.0	46.5	48.6	59.1	67.4	64.8	58.2	44.1	35.6	24.6	45.2	89	− 5	June 4	Sept. 27
Eads	31.6	33.2	44.2	50.0	56.8	70.9	72.2	73.2	68.2	50.6	38.9	29.6	51.6	102	−12	May 7	Sept. 27
Eagle	16.6	21.4	34.8	42.8	47.8	54.5	63.4	61.5	54.9	40.8				92		June 29	Sept. 18
*Edgewater						62.5	68.2	67.1	62.5	47.6	35.6	28.4		93			Sept. 27
Fort Collins	28.2	31.2	40.4	47.8	52.0	61.4	67.6	65.4	62.4	46.8	32.0	24.8	46.7	93	−15	May 6	Sept. 27
Fort Morgan	29.6	32.9	42.2	51.1	55.1	65.8	72.4	68.8	65.0	47.3	32.7	19.2	48.5	99	−17	May 6	Sept. 27
Frances	24.2	26.8	32.4	39.2	43.4	53.6	60.0	58.9	54.8	38.6	32.2	25.0	40.8	83	− 7	June 5	Sept. 27
Fruita	21.6	30.6	42.2	51.4	54.8	64.8	75.5	72.3	62.0	46.1	36.4	21.3	48.2	99	−12	Apr. 30	Sept. 27
Garnett	19.0	25.8	36.0	42.5	46.1	56.2	63.2	61.0	53.2	40.6	26.6	12.2	40.2	87	−23	(3)	(3)
Glen Eyrie	30.7	31.6	42.0	46.8	51.2	61.0	66.2	63.6	58.9	45.4	35.4	30.5	46.9	95	−11	May 29	Sept. 27
Glenwood Springs	20.2	24.4	39.0	46.2	48.4	56.2	65.8	62.8	60.0	44.2	32.0	20.4	43.3	99	−15	June 19	Sept. 19
*Grand Junction	26.6	32.4	44.6	54.0	56.6	67.8	78.2	74.0	66.0	48.8	38.6	23.7	50.9	98	− 6	Apr. 23	Sept. 27
Grand Valley	23.6	29.3	41.0	51.0	54.2	61.8	72.6	69.0	61.8	45.7	30.0	23.8	47.5	100	− 9	May 5	Sept. 27
Greeley		32.1	42.1	50.9	54.9	64.3	69.2	68.2	63.2	48.2	34.3	23.3		98		May 6	Sept. 27
Gunnison	2.8	11.2	28.4	41.0	43.4	50.8	61.3	59.0	52.0	39.0	25.6	3.2	34.8	87	−34	(1)	(1)
Hahns Peak	8.8	14.8	21.2	32.8													
Hamps	29.0	29.4	39.9	46.2	51.2	62.2	66.8	65.4	60.9	45.5	33.8	25.8	46.3	93	−18	May 26	Sept. 27
Hoehne	30.8	31.6	43.2	48.0	53.0	63.6	67.4	66.0	60.6	47.2	35.0	32.0	48.2	97	−17	June 5	Sept. 27
Holly	35.6	37.7	48.5	54.4	62.6	73.4	74.6	76.2	69.4	54.0	40.9	32.5	55.0	102	2	May 7	Sept. 27
Holyoke	30.2	30.0	38.6	49.8	55.6	64.4	71.0	70.5	66.4	50.3	37.6	22.8	48.9	101	−13	May 21	Sept. 27
Idaho Springs	28.9	30.4	37.8	43.6	46.8	56.8	62.8	61.4	57.5	41.8	32.8	29.4	44.2	85	− 7	May 21	Sept. 27
Kremmling	8.8	13.8	31.9	41.0	45.0	53.5	61.6	59.5	52.8	38.1	26.4	13.2	37.1	88	−38	(3)	(3)
Lake City	15.2	20.4	29.4	39.6	42.7	52.4	59.8	58.6	52.2	38.3	29.2	14.9	37.7	81	−18	June 19	Sept. 18
Lake Moraine	22.2	24.3	26.7	29.7	35.4	48.3	52.4	52.2	47.6	36.0	25.6	21.8	35.2	74	−15	(3)	(3)
Lamar	34.4	37.2	47.6	54.6	61.4	74.3	75.9	76.0	69.9	54.9	41.1	33.4	55.1	104	− 4	Apr. 29	Sept. 27
Las Animas	32.7	35.3	47.4	54.0	61.7	71.6	76.2	75.6	61.3					106	− 5	May 7	Sept. 28
Lay	15.4	19.4	34.0	41.8	45.8	53.5	64.0	63.1	54.6	36.6	28.3	16.2	39.4	94	−27	(3)	(3)
*Leadville	17.8	20.0	26.2	32.7	37.2	47.0	54.6	53.0	48.2	33.2	25.9	20.1	34.7	76	−12	June 19	Sept. 1
Le Roy	31.4	30.6	39.5	48.7	52.8	62.4	69.2	68.0	65.8	48.5	35.8	24.1	48.1	98	−11	May 21	Sept. 27
Limon	29.8	31.2	41.8	47.2	52.6	63.4	68.6	67.4	63.2	47.0	34.9	24.1	47.6	97	−13	May 21	Sept. 26
Longs Peak		27.7	30.5	36.4	40.2	47.6	52.2	53.2	49.4	35.2	28.6	24.6		76	−13	(1)	(1)
Lujane	25.3	28.4	39.8	47.4	51.0	62.6	71.0	67.3	60.8	45.0	36.8	24.7	46.7	91	0	May 5	Sept. 27
Manassa	21.0	26.2	37.0	41.0	46.7	57.1	62.8	60.4	54.2	40.7	29.3	16.5	41.1	90	−19	June 18	Sept. 27
Mancos	27.6	29.6	39.4	44.4	47.8	58.2	66.4	63.0	57.0	43.9	36.1	26.7	45.0	86	− 5	June 4	Sept. 26
Meeker	19.2	21.0	36.9	44.3	48.0	54.2	63.6	61.8	55.8	38.0	20.2	17.5	40.8	88	−24	(2)	(2)
Montrose		33.6	41.2	46.8	50.1	60.8	69.2	64.6	57.7	42.5	32.0	25.9		95		June 4	Sept. 27
Moraine	24.0	27.2	33.0	39.9	44.1												
Pagoda		22.2	33.8	43.2	46.8	53.3	63.4	61.5	53.2	38.8		21.0		88	−18	(2)	(2)
Pagosa Springs	16.4	22.1	33.0	42.2	44.6	53.4	63.0	61.5	53.9	39.6	31.0	17.0	39.8	88	−29	June 12	Sept. 27
Paonia	27.6	32.2	42.4	51.0	54.0	63.8	73.4	69.1	62.8	47.0	37.8	27.2	49.0	96	1	May 5	Sept. 27
*Pueblo	33.4	35.4	47.2	51.6	57.9	69.5	73.1	71.4	65.5	51.1	38.2	32.2	52.2	99	− 8	Apr. 23	Sept. 27
Rangely	10.4	11.4	37.4	46.0	47.7	59.9	70.7	66.8	57.9	41.8	28.8	10.6	40.8	98	−32	(2)	(2)
River Portal	20.0	26.0	36.7	46.5	50.4	60.0	69.3	65.0	58.5	40.0	31.8	18.8	43.6	93	− 4	May 14	Sept. 27
Rocky Ford	32.4	35.6	47.2	52.0	58.8	71.8	74.7	73.1	66.4	51.6	37.4	30.6	52.6	102	− 4	Apr. 29	Sept. 27
Saguache	23.0	28.8	37.0														
*Salida	28.6	31.8	40.0	45.1	49.0	58.4	64.5	63.8	56.8	43.6	33.4	27.0	45.2	90	−13	June 19	Sept. 27
San Luis	22.0	29.0	37.2	43.0	46.7	54.9	61.2	60.0	53.7	42.4	30.2	21.1	41.8	84	−15	June 24	Sept. 19
Santa Clara		30.2	40.2	43.8	49.4	59.6	63.8	61.4	56.7	43.2	34.3	29.8		88	− 5	May 29	Sept. 26
Sapinero	12.0	19.2	30.0	39.0	42.4	50.7	59.5	56.9	50.3	36.2	27.6	12.1	36.3	81	−19	June 19	Sept. 27
Sedgwick								70.7	65.5	48.1	35.5	20.3					Sept. 27
Sheridan Lake			43.1	49.2	54.0	66.8	72.0	75.7		51.0	36.0	25.0		99		May 9	
Silverton (1)	16.0	17.5	25.5	36.0	39.6	47.6	55.6	54.0	47.2	35.2	26.4	13.8	34.5	80	−27	(1)	(1)
Silverton (2)	15.1	17.8	25.2	33.6	38.1	45.6	54.0	49.0	43.4	32.0	22.7	11.7	32.4	76	−21	(1)	(1)
Steamboat Springs									54.2	38.2	23.8	16.4					
Tacoma	25.2	24.8	36.4	43.2	44.1	55.2	62.5	61.2	55.8	42.0	33.0	21.6	42.1	84	− 6	June 5	Sept. 27
Trinidad	37.8		48.1	49.6	56.8											May 6	
Victor	27.2	29.2	34.7	39.8	43.2	54.6	59.2	58.2	54.8	39.4	32.0	28.4	41.7	80	− 2	June 2	Sept. 27
Wagon Wheel Gap	17.2	16.2	25.8	37.3		46.7	54.6	56.0	48.1	34.9	24.0	3.0		82	−38	(1)	(1)
Waterdale	32.0		43.8	50.3	52.6	61.5	68.0	66.0	62.6	47.7	35.0	29.8		94		May 6	Sept. 27
Westcliffe	23.0		37.4	40.6	45.8	58.4	61.2	61.0	54.0	40.5	27.5	22.9		87	−23	June 19	Sept. 19
Whitepine	13.2	16.6	23.4	32.7	37.7	46.6	53.2	51.4	46.7	31.4	23.0	14.7	32.6	75	−15	(1)	(1)
Wray	31.8	31.8	42.2	50.9	56.1	67.1	72.4	72.1	67.2	49.8	38.0	25.6	50.4	101	− 7	May 21	Sept. 27
Connecticut.																	
Bridgeport	31.1	27.2	39.2	48.8	60.6	68.6	75.1	70.1	65.9	56.5	42.6	33.6	51.6	96	− 1	Apr. 21	Oct. 13
Canton	25.0	21.1	34.6	45.4	59.4	67.0	72.2	66.6	63.3	52.0	38.3	26.6	47.6	95	−11	May 2	Oct. 3
Colchester	28.0	23.6	36.0	46.2	59.3	66.4	72.6	67.3	63.0	53.6	39.8	31.0	48.9	93	− 7	Apr. 22	Oct. 3
Cream Hill	23.8	19.2	32.7	43.3	57.4	68.8	72.0	66.2	64.1	54.3	37.0	25.8	47.0	93	−12	May 3	Oct. 3
Danielson	27.8	24.8	35.9	46.0	59.8	66.8	72.5	67.0	62.4	52.8	38.5	30.0	48.7	94	− 6	May 4	Oct. 3
*Hartford	28.9	24.2	37.4	48.2	61.1	69.6	74.6	69.0	65.4	54.8	41.4	31.6	50.5	96	− 6	Apr. 21	Oct. 13
Hawleyville	28.3	24.2	37.2	47.8	59.0	66.6	72.5	67.6	63.7	54.2	40.0	30.8	49.3	94	− 7	Apr. 22	Oct. 13
*New Haven	30.4	26.0	38.8	48.2	60.2	69.2	74.6	69.6	65.6	56.3	42.8	33.4	51.3	94	− 3	Apr. 21	Oct. 13
*New London	32.7	27.2	39.7	48.3	60.4	67.9	73.8	69.8	64.2	55.8	43.0	34.7	51.5	92	− 3	Apr. 21	Oct. 13
North Grosvenordale	26.2	22.6	35.5	46.1	58.7	67.0	73.2	67.0	62.8	52.8	39.0	28.5	48.3	94	− 7	May 9	Oct. 2
Norwalk	28.0	25.1	37.0	47.7	60.0	67.6	73.8	67.8	63.4	54.6	39.8	30.2	48.8	98	− 7	Apr. 22	Oct. 3
Southington	29.0	23.8	37.2	47.6	60.0	67.6	73.2	67.2	63.5	53.3	40.2	31.2	48.6	94	−11	Apr. 21	Oct. 4
Storrs	27.8	24.0	36.2	47.1	60.0	66.8	71.6	66.7	63.4	55.0	39.8	29.8	49.0	92	− 7	Apr. 23	Oct. 13
Torrington	24.0	19.4	34.3	45.2	57.9	66.6	72.9			52.2	38.6	27.8		98	−13	May 5	Oct. 13
Voluntown	28.8	25.2	36.8	46.8	58.0	64.8	70.9	66.3	61.2	54.4	39.4	31.2	48.6	96	− 7	Apr. 22	Sept. 30
Waterbury	28.8	24.8	38.6	48.4	61.2	69.0	74.6	69.4	65.6	55.4	40.8	31.4	50.7	98	− 7	Apr. 21	Oct. 13

[1] Freezing temperature every month.
[2] Freezing temperature every month except July.
[3] Freezing temperature every month except August.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Delaware.																	
Delaware City					[e]64.4	72.2	77.0	72.6	67.0	59.6	43.8	36.2		96			Oct. 13
Dover	34.7	31.7	47.3	55.6	65.4	73.2	81.2		68.0	60.7	46.7	37.8		100	4	Apr. 17	Nov. 2
Milford	35.6	33.7	[a]49.0	56.8	66.4	[b]72.6	79.4	73.3	67.4		47.4	38.0		100	7	Apr. 17	Oct. 13
Millsboro	34.1	33.0	47.1	54.6	64.3	70.4	77.5	71.8	66.0	58.2	45.8	38.0	55.1	99	8	Apr. 17	Nov. 1
Newark	32.3	29.2													3		
Seaford	34.8	33.0	46.8	54.2	64.6	70.0	76.0	70.8	65.4	58.2	45.8	38.0	54.8	95	8	Apr. 17	Oct. 13
District of Columbia.																	
Washington	34.2	30.8	47.4	56.4	65.3	71.8	78.0	73.2	66.6	58.2	46.0	37.0	55.4	99	6	Apr. 3	Nov. 1
Florida.																	
Apalachicola	54.0	52.4	66.0		75.0	79.9	81.9	81.6	77.7	67.0	62.4	60.0		94	29	Feb. 20	None.
*Arcadia	62.4	60.5	70.9	78.1	76.2	80.0	81.9	81.0	79.8	72.7	67.8	66.4	73.1	101	29	Feb. 29	None.
Archer			69.4	75.9	76.4	79.8	81.6	81.2	78.3	[a]67.3	62.8	61.9		100			Nov. 17
Avon Park	61.7	60.6	71.0	78.5	77.8	79.4	81.8	81.4	79.6	73.2	67.8	66.8	73.3	98	34	None.	None.
Bartow	60.4	[a]59.4	70.0	78.6	77.5	80.0	82.0	82.0	80.0	[e]73.6	[a]65.0	64.8	72.8	100	30	Feb. 29	Dec. 27
Blountstown						80.4	[c]81.2	[b]81.1	[c]75.8	62.8	61.4	57.6					Nov. 14
Bonifay	51.4	51.4	66.9	72.2	[a]74.5	79.6	81.5	81.8	77.3	64.6	[b]61.2	[b]58.6	68.4	98	22	Feb. 28	Nov. 15
Brooksville	59.4	[d]59.0	71.7	[d]77.3	77.6	80.0	81.6	81.8	79.8	72.0	67.0	[e]64.0	72.6	101	28	Feb. 19	None.
Carrabelle				73.6	74.2	78.8	80.3	80.6	77.9	66.3		57.4		95			Nov. 16
Cedar Keys	[b]56.9	[b]56.2	[b]68.4	76.8	76.8	81.0	82.2	82.1	80.0	70.8	65.6	63.1	71.7	94	33	None.	None.
Clermont	61.1		73.6	79.1	78.6	80.6	83.0	83.0	80.1	73.4	68.0	66.3		101			None.
De Funiak Springs	51.4	51.2						[k]80.8	77.4	66.6	63.0	59.0			20	Feb. 23	Nov. 15
De Land	57.2	58.2	72.8	77.8	77.6					[g]68.8	64.3	62.0			28	Feb. 29	Dec. 27
Eustis	57.4	57.8	70.0	77.5	77.0	79.7	82.4	82.1	79.2	70.6	[a]66.3	63.9	72.0	99	29	Feb. 21	None.
Federal Point	56.8	56.8	68.7	75.4	76.0	79.3	81.2	81.0	78.2	70.1	65.1	62.6	70.9	100	30	Feb. 21	Dec. 27
Fenholloway	53.4	52.9	67.0	72.0	75.6	79.2	81.7					58.6			21	Feb. 24	Dec. 9
Fernandina	54.6	53.8	67.4	72.7	73.8	79.0	79.8	80.6	76.8	67.4	63.4	61.0	69.2	97	27	Feb. 21	None.
Flamingo	[b]64.8	65.0			76.2	77.5	[a]79.6	79.8	80.2							None.	
Fort Meade	60.2	59.0	70.2	77.8	76.8	79.6	81.2	80.9	79.8	72.9	66.5	63.9	72.4	100	29	Feb. 27	Dec. 27
Fort Myers	62.6	60.8	71.2	77.4	76.8	78.5	80.8	79.8	78.7	73.5	68.2	66.3	72.9	94	36	None.	None.
Fort Pierce	63.4	61.6	71.2	76.6	76.6	78.1	80.5	82.0	80.8	75.6	[a]70.5	68.4	73.8	98	38	None.	None.
*Gainesville	55.4	54.6	69.0	76.1	75.9	79.2	81.0	81.2	77.8	68.0	64.5	60.9	70.3	99	27	Feb. 22	Dec. 27
Galt	51.2	51.2	66.2													Feb. 28	
Grasmere	57.8	57.4	69.6	79.0	78.7	81.4	84.0				68.2	65.2			31	Feb. 3	None.
Hilliard									76.5	66.2	63.0	59.5					Dec. 8
Huntington	56.2	[a]54.9	[b]69.0	[b]75.8	[b]76.6		82.6	82.0	80.4	[a]72.0	65.3	61.5		102	27	Feb. 23	Dec. 27
Hypoluxo	64.8		73.2	76.6	77.8	78.6	81.0	81.0	81.0	75.6	71.8	70.6		96			None.
Inverness	54.8	54.2	68.2	76.0	76.2	79.0	80.6	80.0	77.7	68.6	63.0	59.0	69.8	96	25	Feb. 29	Nov. 18
*Jacksonville	54.6	53.2	67.7	73.8	75.2	78.4	80.2	80.4	76.3	67.0	63.6	60.3	69.3	95	28	Feb. 21	None.
Jasper	53.3	52.8		73.6	74.9	78.2	80.8	80.8	77.4	[a]65.9	62.6			99	24	Feb. 23	Nov. 16
Johnstown	[d]53.3	[a]52.3	67.9	[c]73.0	73.6	79.6	[d]80.1	[b]81.6	[b]77.0	64.4		58.9		97	22	Feb. 28	Dec. 10
*Jupiter	64.6	62.0	72.2	76.4	77.0	78.2	81.0	80.4	80.2	74.8	71.0	69.7	74.0	95	40	None.	None.
*Key West	68.6	66.6	74.8	79.8	80.4	80.2	83.0	82.2	82.3	77.2	74.0	72.5	76.8	91	51	None.	None.
Kissimmee	60.8	59.7	70.3	[a]77.2	77.2	78.6	81.1	81.1	79.2	72.8	66.9	64.6	72.5	99	32	Feb. 3	None.
*Lake City	54.0	53.6	68.4	74.0	74.9	79.0	80.2	80.4	76.9	66.2	63.0	60.4	69.2	98	23	Feb. 29	Nov. 17
Live Oak				75.5													
Macclenny	55.4	53.3	[a]66.6	73.4	[a]74.2	78.1	80.2	80.2	76.8	65.9	62.0	[f]57.4	68.6	97	22	Feb. 29	Nov. 16
*Madison	52.0	52.2	68.7	73.6	76.2	81.4	81.6	81.8	77.2	66.5	62.3	58.8	69.4	100	24	Feb. 28	Dec. 27
Malabar	[a]62.2	[a]61.0	70.8	77.2	[b]76.8	79.4	82.6	82.2	80.6	[a]74.7	69.6	67.2	73.7	100	34	None.	None.
Manatee	61.8	60.0	69.6	75.8	76.6	78.6	80.1	80.7	79.9	73.6	67.8	65.5	72.5	95	33	None.	None.
*Marianna					73.6	[b]79.2	[b]79.0	[d]82.0	76.8	63.2	[d]62.6	57.6		103			Dec. 9
Merritts Island	61.6										70.9	69.0					None.
Miami	66.4	65.3	74.6	79.0	79.1	79.3	82.6	82.0	81.8	76.3	73.0	71.6	75.9	95	40	None.	None.
Middleburg	[b]55.0	[d]55.2	[e]69.0	[d]75.2	[d]74.2	[b]78.8	80.4	[e]80.8	77.2	[e]67.2				99	21	Feb. 29	Nov. 17
Molino	50.4	51.6	67.1	71.9	73.3	[e]77.8	79.7	80.0	75.8	60.9	61.0	57.0	67.2	96	23	Feb. 28	Nov. 6
Monticello	51.8	52.2	68.0	72.5	74.8	79.2	79.8	80.4	75.9	66.1	62.2	59.1	68.5	99	25	Feb. 28	Dec. 9
Mount Pleasant	52.8	[a]52.0	67.8	71.6	74.8	79.1	80.2	79.6	76.4	[b]65.8	62.5	58.6	68.4	95	20	Feb. 29	Nov. 15
Newport			66.8	71.6		[g]77.2	[a]78.8	79.6	76.1		60.6	[d]61.2		96	25	Feb. 28	Nov. 16
New Smyrna	58.2	57.8	67.6	75.0	74.1	77.2	80.2	80.8	78.2	71.4	66.2	64.2	70.9	96	31	Feb. 28	None.
Ocala	[f]55.3	56.8	[e]69.0	74.2	77.4	80.4	81.4		79.4	69.6	65.2	61.9			26	Feb. 28	Dec. 27
Orange City	56.4	57.2	70.0	77.0	77.0	79.7	81.7	82.2	79.0	72.2		63.8		102	27	Feb. 29	Nov. 18
Orlando	59.4	59.2	71.0	78.6	78.0	80.6	82.8	[a]82.3	[a]79.2	71.8	66.4	64.8	72.8	100	31	Feb. 3	Dec. 27
Panasoffkee	57.3	[a]57.0	68.6	76.2	[b]76.0											Feb. 28	
*Pensacola	51.4	51.6	66.0	72.2	74.2	79.1	80.8	81.0	76.8	65.6	62.0	58.4	68.3	93	28	Feb. 21	None.
Plant City	60.3	58.8	[d]69.6		[a]76.0	79.3	82.0	81.3	79.1	71.5	67.0	64.9			30	Feb. 29	None.
Rockledge						79.4	81.0	79.7	78.9	75.4	69.2	67.8					None.
Rockwell	[d]57.0	[a]57.5	[e]68.8	[d]76.5	[a]77.9	[d]79.8	[d]81.8	[e]82.9	[e]79.6	[d]70.8	[e]65.4	[d]61.6	71.6	100	25	Feb. 28	Dec. 26
St. Andrew	51.6	51.0	[a]65.8	73.0	74.2	80.2	81.6	81.1	77.4	66.0	60.2	58.2	68.4	97	22	Feb. 28	Nov. 16
St. Augustine	55.5	54.5	67.2	74.0	74.6	78.3	80.7	80.6	78.6	69.6	65.1	63.0	70.1	96	28	Feb. 23	None.
*Sand Key	69.2	67.0	73.4	78.4	79.0	81.2	82.0	82.2	81.2	77.3	74.0	73.1	76.5	94	53	None.	None.
St. Leo	58.8	57.8	70.0	76.8	76.7	79.5	81.3	81.1	78.8	71.0	66.2	64.0	71.8	97	29	Feb. 28	Nov. 18
Satsuma Heights			68.4	75.3	75.6	79.2	81.4	79.4	77.0	67.9	63.2	61.0		100			Nov. 18
Switzerland	[c]54.4	[a]54.2	[a]67.9	74.1	74.9	[a]78.0	[e]80.0	[e]80.7	[e]76.9	68.6	[b]63.6	[e]61.0	69.5	95	27	Feb. 29	Dec. 27
*Tallahassee	[b]52.2	53.0	67.1	71.2	74.7	78.9	79.6	79.5	75.0	65.2	61.0	58.2	68.0	94	24	Feb. 21	Nov. 15
*Tampa	59.9	58.7	70.2	76.4	77.2	79.3	81.6	81.2	79.6	71.7	67.0	64.6	72.3	96	33	None.	None.
Tarpon Springs	58.2	57.7	68.0	74.6	74.9	78.0	79.7	81.2	80.1	71.6	66.6	64.0	71.2	96	27	Feb. 21	None.
Titusville	[b]58.2								[d]79.5	73.2	68.1	65.0					None.
Wausau	50.2	50.8	67.8	71.2	76.2	79.8	82.0	82.5	77.0	65.0	61.2	58.8	68.5	100	20	Feb. 28	Nov. 14
Georgia.																	
Adairsville	[a]40.8	40.8	[a]58.7	[d]64.2	[a]69.4	[b]75.5	[b]78.0	[a]76.8	70.8	[d]58.9	54.6	[b]46.9	61.3	95	14	Apr. 4	Nov. 6
*Albany	49.0	48.2	67.9	[a]71.6	76.0	81.7	82.2	80.3	75.6	[a]64.2	61.0	57.6	67.9	98	20	Feb. 29	Nov. 15
*Allapaha	[a]48.8	50.4	[a]69.0			80.0	81.1	78.7	75.4	[a]64.7	[b]59.0	[a]56.0		100	19	Feb. 2	Nov. 15
*Americus	44.7	44.0	64.4	68.4	74.9	79.4	80.6	80.0	73.3	60.9	57.3	52.4	65.0	98	22	Feb. 29	Nov. 15
*Athens	41.7	38.8	57.9	64.6	70.6	76.2	79.2	76.9	70.0	59.0	53.8	46.8	61.3	97	18	Feb. 29	Nov. 15
*Atlanta	41.3	40.3	59.7	64.0	69.7	75.3	77.8	77.2	71.0	60.6	55.8	48.0	61.7	96	17	Mar. 21	Nov. 6
*Augusta	45.6	44.6	63.2	67.7	73.0	77.6	81.0	79.4	73.5	61.7	57.9	51.6	64.7	96	21	Feb. 28	Nov. 15
*Bainbridge	[c]49.9	[d]51.0	65.3	70.8	75.6	80.0	82.0	81.3	77.6	64.4	[a]61.4	57.4	68.1	100	19	Feb. 28	Nov. 16

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.		Killing frost.	
													Mean.	Extremes.	Last in spring.	First in autumn.
														Max. Min.		
Georgia—Continued.																
Barnesville						c76.9	a79.2			62.6	d58.3			96		Nov. 15
Blakely	49.4	b48.0	f67.1	b72.4	75.2	80.9	82.4	81.6	76.4	63.6	59.8	a55.8	67.7	102 19	Feb. 28	Nov. 6
Bronwood			69.0			82.2	d82.8	82.0						100		
Brunswick	b50.6				77.6	80.5	82.2	b83.4	77.6	68.4	65.3	61.4		102 21	Feb. 28	
*Camak	44.4	42.6	61.6	65.4	71.4	75.2	78.4	77.7	71.7	a61.4	57.7	a52.2	63.3	97 18	Feb. 29	Nov. 5
Carrollton	42.2	41.1	60.0	64.6	69.6					58.4	56.2			15	Mar. 21	Nov. 6
Clayton	38.9	39.4	55.6	60.2	65.2	71.0	74.4	73.8	66.9	56.0	52.3	46.4	58.3	92 13	Apr. 4	Oct. 4
*Columbus	f43.9	e45.5	a65.8	c70.0	74.2	c79.9	81.7	81.4	77.0	c64.2	59.1	56.0	66.7	100 22	Feb. 28	Nov. 15
Covington	42.9	42.0	60.9	66.0	70.4	c76.9								17	Feb. 28	
Cuthbert		47.8	66.0	e71.2	73.8	b79.4	a81.3	b81.1	74.6	f63.5	59.2	m57.4		101 19	Feb. 28	Nov. 16
Dahlonega	38.0	37.2	56.1	62.0	66.4	72.4	76.4	f74.4	68.2	57.2	52.8	45.8	58.9	95 9	April 4	Nov. 5
Diamond	b37.7	37.6	56.4	60.5	64.0	70.5	73.6	72.6	a66.4	a56.3	a51.2	44.4	57.6	90 9	April 4	Nov. 5
Dudley	47.4	47.2	64.6	69.7	73.9	78.6	80.2	80.0	74.8	63.0	60.0	54.2	66.1	100 20	Feb. 28	Nov. 6
*Eastman	47.5	47.3	68.4	71.0	75.3	80.7	82.4	81.9	75.2	63.1	b59.4	53.4	67.1	101 21	Feb. 28	Nov. 6
Eatonton	f44.6	42.6	b62.2	66.8	71.8	77.4	80.1	78.8	e72.8	a60.9	d55.4	d49.8	63.6	99 17	Feb. 28	Nov. 5
*Elberton	42.6	41.5	60.8	65.6	71.4	76.2	80.4	79.0	73.0	62.1	57.2	50.2	63.3	100 18	Feb. 28	Nov. 15
Experiment	43.6	42.8	61.4	66.0	70.8	76.2	78.8	77.8	71.2	60.3	56.9	49.8	63.0	96 18	Feb. 28	Nov. 5
Fitzgerald	48.7	49.4	66.6	70.8	74.4	b79.2	81.0	81.4	75.4	64.2	61.0	57.4	67.8	101 20	Feb. 28	Nov. 16
Forsyth	b44.6	45.8	64.2	70.2										15	Feb. 27	
*Fort Gaines	45.6	45.4	66.4	68.8	73.4	78.6	80.4	79.8	73.8	61.0	58.0	54.0	65.4	95 21	Feb. 29	Nov. 15
*Gainesville	38.4	37.2	56.4	63.0	69.2	74.8	78.0	75.0	69.2	57.6	52.2	45.4	59.7	95 15	Feb. 29	Nov. 6
Gillsville	a40.6		58.1	63.4	68.8	74.8	77.6	76.9	71.4	60.4	56.2	k49.1		96 15	Feb. 29	Nov. 6
Glennville	48.8		e65.2	71.0	74.8	79.4	80.6	80.5	74.7	63.5	59.2	a53.8		98 21	Feb. 28	Nov. 6
Gore [1]	40.0	40.8	57.5	63.8	69.4	75.8	79.0	77.2	71.2	58.6	53.8	46.9	61.2	97 12	Mar. 21	Nov. 6
Greensboro	42.9	41.7	61.2	66.4	72.2	77.4	80.4	78.6	71.2	59.6	55.0	50.3	63.1	101 18	Feb. 29	Nov. 5
*Griffin	43.2	42.0	61.6	66.2	71.2	77.2	79.7	78.3	72.5	61.5	57.6	49.8	63.4	99 17	Feb. 28	Nov. 15
Harrison	45.0	45.3	62.4	67.8	72.6	77.5	80.4	80.0	74.0	61.5	58.3	51.5	64.7	98 19	Feb. 29	Nov. 6
Hartwell				63.4	70.8	76.4	79.4	77.4	70.0		b56.6			100	Mar. 21	Nov. 14
Hawkinsville	e45.8	46.0	e64.3	b67.6	74.4	79.4			h72.5	61.2	58.2	c52.6		102 20	Feb. 28	Nov. 6
Helena	48.9	49.0	66.3	70.6	74.6	81.4	82.7	82.7	76.0	62.8	59.8	55.3	67.5	105 22	Feb. 28	Nov. 6
Lisbon	44.0	43.0	61.8	67.2	73.2	77.6	80.8	79.2	72.1	61.4	56.8	50.2	63.9	101 17	Apr. 4	Nov. 15
Lost Mountain	41.0	40.0	59.8	65.0	69.8	75.8	78.3	80.0	71.8	d58.6	55.8	48.2	62.0	102 15	Apr. 4	Nov. 6
Louisville	46.2	47.0	66.5	68.6	72.2	75.6	79.5	80.6	76.0	c62.2		51.6		103 21	Feb. 27	Nov. 6
Lumpkin	47.6	45.3	65.0	68.8	73.8	79.0	79.8	79.0		e60.8	59.4	54.0		101 17	Feb. 29	Nov. 16
*Macon	45.2	45.1	64.6	68.1	73.8	78.8	81.2	79.6	73.2	61.0	57.9	51.6	65.0	97 22	Feb. 28	Nov. 16
Marshallville	45.2	45.8	64.6	69.8	72.8	78.7	a80.9	a79.8	a74.7	a61.7	d58.5	b52.8	65.4	102 20	Feb. 28	Nov. 6
Mauzy	51.1	a50.0	67.6	72.5	74.6	a80.2	e80.6	d81.2	76.9	65.0	61.4	57.6	68.0	102 21	Feb. 28	Nov. 16
Milledgeville	43.6	43.3	63.2	67.4	73.8	80.0	81.4	79.2	73.4	61.2	56.5	51.6	64.6	100 19	Feb. 29	Nov. 6
*Millen	46.1	44.8	64.6		74.0	78.1	81.3	81.2	73.2	61.2	57.7	51.4		104 21	Feb. 29	Nov. 6
*Monticello	a44.9	42.8	63.1	67.4	72.4	78.2	79.8	78.8	73.8	62.6	62.2	53.6	65.0	100 19	Feb. 29	Nov. 15
Morgan	46.8	44.6			74.6	79.6	80.6	81.5	75.0	62.6	58.6	53.9		98 26	Feb. 28	Nov. 14
*Newman	41.9	41.7	61.0	66.7	70.4	76.8	79.4	78.4	72.6	60.8	57.3	49.2	63.0	99 11	Mar. 21	Nov. 7
Point Peter	b43.8	e39.2	a59.0	a64.5	70.6	77.0	79.0	76.0	70.8	58.2	54.0	48.0	61.6	98 16	Apr. 4	Nov. 6
Poulan	48.8	48.8	65.2	70.1	72.8	78.4	79.6	79.6	74.6	62.7	59.1	55.6	66.3	97 18	Feb. 28	Nov. 16
Putnam			65.6	a69.6	75.4	a80.1	a81.0	a80.4	k75.8	b61.0	b60.6	k56.7		103		Nov. 16
*Quitman	52.2	52.0	68.0	73.0	77.1	81.0	82.0	82.4	77.2	66.0	62.7	58.6	69.4	102 21	Feb. 28	Nov. 16
Ramsey	42.7	42.6	60.6	65.4	69.8	76.4	78.8	77.8	71.6	59.6	55.3	49.1	62.5	96 13	Apr. 4	Nov. 1
*Rome	a39.5	40.6	58.4	64.4	70.0	76.8	79.5	78.5	71.6	58.5	53.1	45.8	61.4	101 15	Apr. 4	Nov. 6
St. Georges	e51.8	a52.1	a67.2	73.2	74.4	77.4	79.8	80.3	76.2					97 21	Feb. 28	
St. Marys	53.6	51.6	66.9	b72.8	74.6	78.6	80.4	81.4	76.5	66.4	61.7	60.5	68.8	99 21	Feb. 23	Dec. 9
*Savannah	50.6	49.4	65.2	70.6	74.4	78.6	80.2	80.2	75.4	64.8	61.1	56.2	67.2	97 25	Feb. 28	Dec. 9
Screven	a50.8	d52.0	d66.3	72.0	74.1	79.3								23	Feb. 29	
Statesboro	47.8	48.6	65.2	69.9	73.6	77.6	79.4	79.5	73.6	62.7	59.4	54.6	66.0	96 20	Feb. 28	Nov. 6
Talbotton	45.2	45.4	64.2	f67.6	72.8	f78.5	e79.4	78.6	73.0	f60.8	58.5	a52.8	64.7	101 19	Feb. 28	Nov. 6
*Tallapoosa	a43.0	41.5	60.8	64.8	70.4	e76.4	80.4	78.6	72.4	59.0	56.0	47.4	62.7	102 14	Mar. 21	Nov. 6
*Thomasville	50.4	50.0	66.6	71.4	74.4	79.2	80.6	80.3	76.1	63.8	61.0	57.4	67.6	97 23	Feb. 28	Nov. 16
*Toccoa	39.6	37.5	56.4	62.6	66.5	72.1	75.4	74.4	68.0	57.5	52.5	46.7	59.1	93 13	Mar. 21	Nov. 5
*Valdosta	a51.4	a50.8	a67.5	a72.5	75.9	80.9	82.2	83.2	77.8	a66.3	61.8	57.9	69.0	102 22	Feb. 28	Nov. 16
Valona	49.8	47.7				78.4	79.9	79.8	74.9	65.0	59.4	56.5		96 19	Feb. 28	Nov. 6
*Washington	42.8	40.8	62.2	67.0	73.6	77.8	81.0	79.0	73.2	61.2	56.0	49.2	63.6	100 18	Feb. 28	Nov. 6
*Waycross	50.0	a50.0	67.4	73.0	73.6	80.6	82.1	83.0	77.6	66.0	61.0	56.8	68.4	101 22	Feb. 23	Nov. 6
*Waynesboro		45.7	63.9	67.4	71.9	76.4	79.6	79.3	73.1	62.4	57.2	52.6		95 23	Mar. 21	Nov. 6
*West Point	a43.0	42.2	62.5	66.8	71.7	79.2	81.2	80.2	74.2	61.0	57.0	51.6	64.2	101 18	Feb. 29	Nov. 6
Woodbury	42.4	42.7	60.8	65.8	70.8	75.6	78.9	78.4	70.8	57.8	59.2			100 17	Feb. 23	Nov. 6
Idaho.																
Albion								66.7	58.6	45.0	37.0	26.9				Sept. 26
American Falls	23.4	28.3	38.3	49.0	49.3	56.6	70.4	66.5	59.6	44.8	35.8	24.6	45.6	99 −23	May 14	Aug. 31
Big Creek						48.8	61.7	57.0	50.1	37.7	33.6	20.4		92	June 28	Aug. 26
Blackfoot	20.8	25.2	36.0	48.4	48.6	55.9	68.4	64.2	60.0	43.8	33.6	22.6	44.0	94 −25	May 23	Sept. 26
*Boise	35.2	37.8	42.1	51.8	52.6	61.0	75.0	70.5	62.6	49.6	43.2	31.1	51.0	104 5	Apr. 26	Sept. 24
Bonners Ferry	26.8	28.0	35.7	46.3	50.8	58.0	67.6	63.9	57.2	44.8	38.2	27.0	45.4	98 −11	May 19	Sept. 24
Buhl	31.6	35.5	40.8	51.2	51.8	59.6	75.9	72.0	63.8	48.6	40.6	30.0	50.1	106 −4	Apr. 29	Sept. 26
Burke	24.2	27.2	30.8	38.9	44.0	51.7	62.4	58.4	54.6	40.8	33.8	22.9	40.8	95 −16	May 5	July 26
Caldwell	34.2	37.0	42.1	51.2	53.0	60.5	73.4	68.2	61.4	47.8	40.8	30.6	50.0	104 6	May 28	Sept. 26
Camas								66.4	56.6							Aug. 26
Cambridge	27.2	31.8	40.2	50.0	51.8	61.0	76.0	70.2	60.6	47.8	40.2	24.4	48.4	107 −13	May 17	Sept. 26
Center	17.0	18.6	25.8	38.6										−42		
Chesterfield	17.4	18.6	30.0	43.1	47.4	52.4	65.4	60.2	53.9	39.2	25.6	16.6	39.2	93 −42	June 28	Aug. 26
Coeur d'Alene												30.4				
Culdesac								69.8	62.6	48.4	42.6	31.1				Sept. 25
Dent	32.1	34.9	44.0	47.9	53.2	59.8	70.6	67.6	61.4	48.4	41.4	30.8	49.3	107 −9	Apr. 26	Sept. 24
Driggs	11.6	17.8	25.3	39.6	44.0	50.2	62.4	57.4		39.5	27.6	17.9		90 −42	July 6	Aug. 26
Ellerslie	33.4	36.2	40.2	51.0								29.6				
Emmett	34.5	37.2	42.2	51.8	53.4	62.0	74.2	71.1	63.8	49.6	43.0	31.8	51.2	106 5	May 16	Sept. 26
Forney	17.8	24.8	30.2	42.4	44.8	51.4					31.2	17.8		98 −33	July 6	July 17
Garnet	36.7	39.4	45.0	55.2	56.6	64.8	79.1	75.7	66.5	52.0	45.2	33.2	54.1	108 6	Apr. 6	Oct. 22
Grace	24.1	26.4	34.2	47.4	48.6	53.9	68.6	64.2	58.4	43.4	33.4	24.6	43.9	96 −22	May 21	Sept. 26
Guilley											44.2	31.6				Oct. 22

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Idaho—Continued.																	
Hot Spring	36.2	39.0	45.2	53.0	55.5	62.6	75.8	72.6	63.6	51.1	44.8	32.4	52.6	104	2	May 11	Oct. 18
*Idaho Falls	20.5	25.4	35.4	48.0	49.6	55.5	69.4	65.1	56.0	43.0	33.4	21.2	43.5	96	−24	May 21	Aug. 31
Kellogg	29.8	31.2	37.4	46.0	49.4	56.6	66.8	61.9	56.0	45.4	.....	28.2	.....	100	−17	May 20	Sept. 10
Kooskia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30.8	.....	.....	.....	.....	.....
Lake	18.0	20.9	25.8	37.6	42.9	49.4	60.9	56.6	51.0	38.6	28.0	19.7	37.4	86	−30	May 19	Aug. 25
Lakeview	29.0	31.0	37.9	46.2	50.9	58.0	67.2	62.6	57.6	44.5	38.2	28.7	46.0	91	0	Apr. 29	Sept. 26
Landore	24.5	27.5	28.4	39.0	41.6	49.3	62.5	58.5	51.4	40.2	35.5	22.8	40.1	92	−10	May 30	July 26
Lardo	18.8	23.6	26.9	37.8	42.4	48.2	61.2	57.9	51.2	39.4	33.3	18.9	38.3	94	−32	May 24	Aug. 26
*Lewiston	36.9	38.4	45.4	53.2	56.3	65.2	77.2	73.5	65.2	51.2	43.2	34.4	53.3	108	7	Apr. 7	Oct 18
Lost River	14.2	19.6	30.2	44.0	45.6	52.2	65.1	60.7	55.0	40.1	28.6	16.6	39.3	93	−30	June 3	Aug. 31
Mackay	15.5	23.2	31.4	44.4	45.1	51.0	66.4	60.6	53.4	41.4	30.8	18.4	40.1	91	−20	June 22	Sept. 24
Meadows	22.7	27.4	32.4	44.6	46.4	53.5	66.0	62.5	54.8	42.2	36.0	19.0	42.3	101	−26	June 20	Aug. 26
Milner	26.6	32.6	38.7	48.7	48.8	57.9	73.3	69.4	60.4	45.8	37.7	28.7	47.4	103	−11	June 2	Sept. 26
Moscow	31.7	32.6	37.2	46.9	49.8	58.0	70.4	66.4	60.0	47.0	40.6	.....	.....	100	1	Apr. 26	Sept. 25
Mountain Home	32.3	35.4	39.8	49.8	52.4	60.2	73.6	69.1	59.6	47.0	39.6	28.2	48.9	106	− 6	May 21	Aug. 26
Murray	26.2	30.6	34.6	43.8	49.0	55.1	65.0	60.3	54.2	42.7	34.6	25.4	43.5	98	−21	June 28	Aug. 27
Murtaugh	27.6	31.7	39.4	48.7	48.6	57.4	70.9	66.4	59.4	46.2	37.1	27.1	46.7	101	−16	June 1	Sept. 26
Oakley	31.8	35.2	39.6	51.6	50.0	59.0	71.8	68.7	61.8	45.4	40.5	30.3	48.8	100	− 3	June 4	Sept. 25
Orofino	31.6	35.6	41.6	52.0	54.8	61.1	73.8	70.8	62.0	48.7	40.6	31.0	50.3	110	1	June 20	Sept. 26
Paris	.....	16.6	28.8	42.4	46.2	50.9	.....	58.9	53.4	40.3	28.8	18.4	.....	.....	.....	June 28	Aug. 30
Payette	33.7	37.0	42.1	52.4	54.4	63.0	75.0	71.2	61.9	48.5	40.2	28.6	50.7	108	5	Apr. 29	Sept. 26
Pleasant Valley	33.5	35.8	40.3	50.0	51.8	59.3	73.8	70.0	61.5	48.4	41.0	29.2	49.6	107	1	May 11	Sept. 24
*Pocatello	27.0	30.0	38.4	50.0	48.9	57.4	72.2	67.4	60.8	46.0	37.9	27.6	47.0	96	−18	Apr. 29	Sept. 26
Pocatello Planting Station	.....	.....	.....	47.6	45.3	52.6	68.0	64.6	61.5	.....	.....	.....	.....	99	.....	June 28	Aug. 26
Pollock	36.2	39.6	44.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....
Porthill	25.8	28.4	35.8	46.9	51.9	58.4	67.0	63.8	55.6	44.8	37.8	27.7	45.3	92	−14	Apr. 26	Sept. 26
Roosevelt	14.4	18.0	23.6	34.8	35.8	44.3	59.8	54.6	49.2	.....	.....	.....	.....	85	−34	June 28	Aug. 28
Rupert	24.2	32.5	39.3	49.4	50.8	58.2	73.6	68.0	56.6	46.0	35.9	27.7	46.8	104	−14	May 30	Sept. 26
St. Maries	31.4	32.8	39.6	48.4	50.9	59.1	68.2	63.2	58.9	47.0	40.1	29.6	47.4	102	−14	Apr. 26	Sept. 26
Salmon	17.1	27.5	36.8	46.6	50.7	55.9	68.2	63.5	56.1	42.6	32.2	19.3	43.0	101	−16	May 6	Aug. 26
Salmon River Dam	.....	.....	41.8	.....	48.6	59.0	73.0	68.5	.....	45.2	39.2	30.0	.....	99	.....	May 13	.....
Shoshone	.....	.....	.....	48.9	50.0	56.8	71.0	66.7	58.8	44.6	36.4	26.6	.....	96	.....	May 17	Sept. 26
Soldier	18.7	20.8	28.0	44.8	47.2	53.6	67.6	64.0	.....	42.6	30.0	20.4	.....	98	−39	June 27	Aug. 26
Spirit Lake	.....	.....	.....	.....	50.4	57.6	66.2	62.5	60.4	45.4	37.0	25.0	.....	99	.....	May 30	Sept. 23
Standrod	28.3	30.6	35.7	46.2	44.0	53.2	68.2	61.6	56.9	42.6	36.4	26.6	44.2	90	− 7	May 17	Sept. 25
Sugar	16.0	19.2	31.0	45.4	47.1	53.0	65.6	60.9	54.8	41.0	31.2	18.2	40.3	92	−35	June 28	Sept. 26
Twin Falls	31.4	33.2	39.2	48.8	49.8	58.0	71.4	67.2	57.4	45.2	37.0	28.2	47.2	100	− 6	May 17	Sept. 26
Vanwyck	.....	.....	.....	.....	42.4	49.4	61.4	56.8	50.4	39.4	32.8	.....	.....	95	.....	June 29	Aug. 26
Vernon	18.4	23.0	29.4	44.8	46.6	52.6	65.5	61.6	55.8	42.3	32.0	19.2	40.9	95	−26	May 21	Aug. 26
Wallace	28.1	30.9	39.6	44.0	47.6	54.5	65.4	62.0	54.8	43.1	36.4	26.6	44.4	97	−11	May 3	Sept. 24
Wendell	.....	.....	.....	.....	.....	.....	77.0	71.8	63.1	47.4	39.4	29.8	.....	106	.....	.....	Sept. 26
Weston	23.2	25.7	35.9	.....	48.2	54.8	68.0	64.4	58.0	43.6	33.5	.....	.....	94	−15	May 23	Sept. 27
Illinois.																	
Albion	32.8	33.2	49.4	55.9	66.6	74.3	79.2	77.7	73.0	56.6	46.6	37.4	56.9	100	7	Apr. 3	Oct. 31
Aledo	26.6	26.4	41.5	51.6	60.8	68.1	73.6	70.9	67.2	52.8	42.1	30.0	51.0	93	− 6	May 2	Sept. 29
Alexander	30.3	29.7	46.6	52.6	63.7	69.8	75.6	74.7	70.6	54.8	44.6	34.8	54.0	99	− 1	May 2	Oct. 9
Antioch	25.0	23.2	37.1	46.2	[a]58.1	66.6	72.3	70.1	69.2	52.2	38.8	26.4	48.8	98	−12	May 9	Sept. 29
Ashton	24.7	23.0	38.7	47.6	59.0	66.8	[f]73.4	70.3	67.0	[a]50.5	40.4	27.2	49.0	96	− 8	May 2	Sept. 28
Astoria	28.6	27.9	43.6	51.6	61.9	68.2	73.0	70.9	67.9	53.0	42.6	31.4	51.7	94	− 2	May 2	Oct. 9
Aurora	25.5	24.0	39.0	49.4	59.6	67.6	72.4	69.5	67.0	52.0	39.5	27.6	49.4	95	−10	May 3	Sept. 29
Bement	30.4	28.6	45.8	52.3	63.8	70.2	75.7	74.2	70.0	55.3	43.2	[b]34.0	53.6	97	− 2	May 2	Oct. 12
Benton	36.0	37.0	49.8	57.5	69.7	75.8	79.0	79.0	[a]75.2	.....	[c]53.2	.....	.....	101	7	Apr. 29	Oct. 26
Bloomington	29.0	27.8	44.3	52.1	63.1	71.0	75.6	74.2	71.2	55.6	42.6	32.0	53.2	99	− 3	May 2	Sept. 29
Bushnell	29.1	[c]27.1	44.6	53.2	63.3	70.0	75.8	73.6	70.4	54.9	43.8	32.2	53.2	97	− 3	May 2	Oct. 10
*Cairo	36.8	39.0	53.6	59.2	69.0	75.2	78.6	78.2	73.3	58.8	50.8	42.1	59.6	96	10	Apr. 3	Nov. 5
Cambridge	26.6	25.3	41.1	.....	.....	.....	74.8	71.6	69.2	53.4	40.6	29.2	.....	97	−10	.....	Sept. 29
Carlinville	32.0	32.1	48.6	54.0	65.0	71.2	76.2	75.9	71.0	55.9	46.0	36.2	55.3	99	1	May 2	Oct. 9
Charleston	31.2	29.8	47.0	53.2	64.6	71.3	[a]75.7	74.7	70.7	55.2	44.8	34.6	54.4	97	0	May 2	Oct. 1
Chester	38.1	38.0	54.8	57.9	71.0	76.8	80.2	80.2	74.7	61.0	50.0	42.0	60.4	100	8	Apr. 3	Nov. 4
*Chicago	28.6	26.7	40.6	49.0	58.7	68.4	74.3	73.4	70.6	55.2	43.5	31.3	51.7	96	− 2	Apr. 3	Oct. 12
Coatsburg	30.0	29.2	45.7	[c]53.6	64.1	70.8	76.4	73.6	70.0	53.9	[a]45.0	[d]31.5	53.6	95	− 2	May 2	Oct. 9
Cobden	35.6	37.0	[b]52.8	57.6	68.3	75.2	77.8	[b]77.6	74.3	59.1	[f]53.4	41.2	59.2	98	− 7	Apr. 3	Oct. 28
Colchester	29.1	28.4	43.8	53.3	62.8	69.6	75.1	73.6	70.4	54.4	43.6	32.2	53.0	98	− 5	May 2	Sept. 29
*Decatur	29.2	28.4	44.6	52.6	64.0	71.2	75.8	75.0	70.7	55.6	43.8	33.0	53.7	98	− 1	May 2	Oct. 12
*Dixon	23.5	22.8	38.5	49.5	59.4	67.8	73.6	71.1	67.8	52.4	[b]39.2	[b]26.7	49.4	96	− 9	May 3	Sept. 29
Dwight	28.0	26.2	42.0	51.2	62.4	69.9	75.2	73.0	70.2	54.2	42.0	30.0	52.0	99	− 4	May 2	Oct. 9
Equality	35.8	38.8	53.6	59.2	67.9	75.6	78.2	77.6	74.2	58.6	49.7	41.4	59.2	99	9	Apr. 3	Oct. 13
Fairfield	.....	.....	.....	.....	.....	[e]74.2	78.2	78.0	72.8	57.8	47.6	[a]39.0	.....	100	.....	Apr. 3	Oct. 3
Flora	33.8	33.2	49.5	55.0	66.2	72.2	77.0	77.9	72.6	56.6	47.2	38.2	56.6	103	4	Apr. 12	Oct. 2
Friend Grove	33.8	33.8	49.0	55.2	65.3	72.8	77.2	75.8	.....	.....	.....	.....	.....	97	6	Apr. 3	Sept. 28
*Galva	24.0	23.6	39.4	50.1	60.7	68.2	74.5	72.2	68.9	52.6	41.0	27.9	50.3	97	− 7	May 3	Oct. 13
Golconda	[a]34.4	36.7	53.2	57.3	67.9	74.6	77.5	78.0	72.6	56.6	48.3	39.7	58.1	99	8	Apr. 4	Oct. 13
Greenville	32.7	32.0	48.8	54.1	64.4	70.9	75.6	76.2	71.7	56.3	45.7	36.2	55.4	96	4	Apr. 4	Oct. 13
Griggsville	31.2	30.8	47.5	54.8	64.6	70.2	.....	[a]73.1	70.0	54.6	46.1	33.8	.....	95	0	May 3	Oct. 9
Havana	30.4	29.7	46.0	54.8	[d]64.2	72.6	77.7	75.8	71.2	56.2	45.2	33.2	54.8	100	0	May 2	Oct. 12
Henry	28.3	27.2	43.4	52.4	62.3	69.7	74.8	73.1	69.7	54.0	42.3	30.0	52.3	97	− 6	May 2	Oct. 9
*Hillsboro	33.3	32.1	49.0	53.6	65.0	71.5	76.3	76.0	71.4	57.6	47.0	37.1	55.8	100	2	Apr. 30	Oct. 28
Hoopeston	29.6	27.2	43.6	51.8	63.0	70.4	75.0	73.0	70.0	54.7	42.8	32.1	52.8	96	− 2	May 2	Oct. 12
Joliet	28.7	25.0	40.2	49.7	60.8	68.8	73.8	72.0	69.2	55.2	40.8	27.5	51.0	97	− 6	May 3	Oct. 2
Kishwaukee	24.4	23.0	37.8	48.4	59.6	66.7	[a]72.3	70.0	67.8	52.0	39.2	26.2	49.0	96	− 9	May 3	Sept. 29
Knoxville	27.0	26.4	42.0	50.8	60.6	67.4	72.1	70.1	67.5	52.2	41.6	29.8	50.6	93	− 6	May 2	Sept. 29
La Grange	26.6	24.2	38.9	48.2	[a]59.2	[e]68.5	74.5	71.4	68.0	53.0	40.5	28.0	50.1	99	− 3	May 3	Oct. 2
La Harpe	27.4	26.7	42.4	52.2	62.7	69.1	75.4	[b]73.6	[b]70.8	[a]54.3	43.0	30.5	52.3	97	− 7	May 2	Oct. 9
Lanark	23.2	22.6	36.8	48.0	58.2	65.4	71.2	68.4	66.6	50.4	37.4	25.0	47.8	98	−12	May 3	Sept. 29
*La Salle	26.8	25.8	41.1	50.7	61.6	69.0	74.2	72.2	69.2	53.8	41.6	29.0	51.2	96	− 4	May 2	Oct. 9
Lincoln	30.2	30.2	.....	52.7	64.2	71.8	76.6	74.8	.....	56.2	43.8	32.7	.....	99	0	May 2	Oct. 9
Martinsville	[a]31.0	32.4	47.3	[b]52.9	[e]66.6	71.4	[a]75.8	[a]77.2	70.9	56.0	[b]45.0	[a]33.5	55.0	100	2	May 2	Oct. 3
*McLeansboro	[a]34.2	34.5	50.2	55.0	66.2	72.8	77.2	76.4	72.0	56.4	47.2	39.3	56.8	97	0	Apr. 12	Oct. 2
*Martinton	27.2	25.0	[a]41.9	51.2	62.4	69.8	74.7	73.4	70.4	54.8	42.0	28.8	51.8	101	− 3	May 2	Oct. 2
Mascoutah	34.6	34.8	51.4	56.7	66.2	74.4	78.3	79.6	77.2	56.6	47.5	39.4	58.2	101	7	Apr. 30	Oct. 12

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Illinois—Continued.																	
Minonk	28.1	26.9	42.4	51.6	62.6	70.1	75.6	73.8	71.0	55.4	42.3	30.8	52.6	100	− 4	May 2	Oct. 1
Monmouth	27.6	27.2	42.8	53.1	a63.2	70.2	75.2	73.2	69.2	53.6	42.6	30.0	52.3	98	− 4	May 2	Sept. 29
Morrison	25.6	24.2	40.0	50.2	60.0	67.2	72.2	69.3	66.8	52.3	39.9	28.0	49.6	95	−11	May 3	Sept. 29
Morrisonville	30.8	30.0	46.4	52.4	63.6	69.8	a75.2	74.7	a69.4	54.9	44.6	34.4	53.8	98	0	May 2	Oct. 9
*Mount Vernon	34.2	35.0	50.2	56.3	a67.6	a75.4	78.2	77.9	72.4	56.7	47.0	35.4	57.2	104	6	Apr. 3	Nov. 5
*New Burnside	33.6	35.0	52.0	c55.6	66.4	73.2	78.0	77.6	73.2	.....	.....	.....	.....	96	4	Apr. 12	.....
*Olney	33.9	34.2	50.2	55.6	66.4	73.7	78.7	78.4	73.9	57.8	46.9	38.6	57.4	103	5	Apr. 12	Oct. 11
Ottawa	28.0	26.6	41.8	52.2	62.3	69.6	74.8	73.1	70.4	54.5	41.4	29.7	52.0	101	− 6	May 2	Oct. 2
Palestine	34.6	33.3	50.2	a56.3	f65.2	a73.6	b77.9	77.4	72.8	b58.2	b48.2	37.8	57.1	100	4	Apr. 12	Oct. 12
Pana	31.2	29.4	46.6	52.9	64.0	70.8	76.0	75.0	71.0	56.0	45.2	35.2	54.4	96	− 1	May 2	Oct. 9
*Paris	31.0	29.8	45.6	52.3	63.4	70.0	75.3	75.0	70.3	56.2	44.3	32.6	52.5	97	0	May 2	Oct. 31
*Peoria	26.8	27.0	42.3	51.0	62.0	69.4	74.2	72.6	69.0	54.1	41.8	29.4	51.6	95	− 3	Apr. 12	Oct. 9
Philo	28.6	27.4	43.8	51.3	63.0	69.7	74.5	72.8	68.6	53.6	41.8	31.6	52.2	96	− 2	May 2	Oct. 2
Pontiac	29.6	27.6	44.0	52.8	63.4	71.0	76.7	74.2	71.4	55.3	43.1	31.3	53.4	99	− 1	May 2	Oct. 9
*Rantoul	29.6	28.2	44.7	52.0	62.4	70.0	75.8	74.0	71.2	55.6	43.0	32.4	53.2	98	− 1	May 2	Oct. 1
Riley	f23.2	22.2	36.8	47.6	58.5	a66.2	72.0	70.0	68.3	52.2	39.4	26.8	48.6	94	−13	May 3	Sept. 29
Robinson	33.2	32.6	48.8	54.7	a65.1	72.2	77.7	76.1	72.4	b57.4	44.7	b38.3	56.1	99	4	Apr. 3	Oct. 30
*Rockford	26.0	24.8	37.4	a49.4	60.0	67.6	72.2	69.6	67.6	53.0	d41.6	29.2	49.9	94	− 8	May 3	Sept. 29
Rushville	29.9	28.8	45.0	53.2	63.6	69.6	75.2	73.8	71.2	55.0	44.5	33.6	53.6	96	− 1	May 2	Sept. 29
St. Charles	26.0	24.4	39.2	49.4	60.1	68.1	73.4	70.4	68.4	52.4	39.6	27.9	49.9	98	−10	May 3	Sept. 29
St. John	35.0	36.0	m52.4	57.4	68.0	74.0	76.0	77.6	73.4	57.6	48.6	40.1	58.0	99	7	Apr. 3	Oct. 13
*Springfield	29.8	29.7	45.5	53.1	64.6	71.8	76.4	75.2	70.2	55.2	44.6	33.7	54.2	97	2	Apr. 3	Oct. 31
Staunton	.....	.....	.....	.....	.....	72.1	77.0	77.0	71.6	56.6	46.2	36.8	.....	100	.....	.....	Oct. 10
*Streator	25.3	25.0	41.0	50.7	61.9	70.1	75.6	73.7	70.0	54.4	39.6	n27.0	51.2	100	− 5	May 2	Sept. 29
Sullivan	31.1	30.4	46.8	52.6	64.1	71.2	75.5	75.0	71.6	55.2	44.3	34.6	54.4	98	− 1	May 2	Oct. 12
*Sycamore	23.4	23.0	37.8	48.6	60.1	67.6	73.0	70.2	67.6	51.8	38.5	26.4	49.0	99	−11	May 3	Sept. 29
Tilden	35.2	35.4	51.5	a57.1	c68.8	73.8	77.4	77.4	c71.8	57.6	48.2	39.4	57.8	100	5	Apr. 3	Oct. 12
Tiskilwa	26.4	24.7	40.3	50.8	60.9	67.8	74.0	72.2	b69.8	54.0	41.4	29.8	51.0	96	−10	May 2	Sept. 29
*Tuscola	28.8	27.4	44.4	51.9	63.6	68.2	76.1	75.1	70.9	55.2	a43.2	31.8	53.0	100	− 1	May 2	Oct. 2
Urbana	28.8	27.2	43.0	50.3	61.8	69.2	73.9	72.8	69.1	54.0	42.4	32.0	52.0	94	− 2	May 2	Oct. 2
Vernon	33.8	32.2	49.7	54.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	Apr. 11	.....
Walnut	27.4	26.4	a40.8	c51.4	61.8	a70.2	75.6	72.1	69.7	54.2	a42.4	a29.7	51.8	96	− 7	May 2	Oct. 9
Windsor	31.8	30.0	47.2	53.1	64.8	71.6	75.5	74.8	69.8	a55.6	44.4	35.0	54.5	98	0	May 2	Oct. 12
Winnebago	23.8	22.8	37.3	a47.6	59.4	66.4	72.4	69.6	67.9	52.1	38.8	26.1	48.7	97	−12	May 3	Sept. 29
Yorkville	25.8	24.7	d39.0	48.9	b59.8	69.3	74.2	71.2	67.2	51.7	39.0	26.7	49.8	99	− 8	May 3	Sept. 29
Zion	24.0	23.3	37.2	48.3	59.5	66.4	71.6	68.2	66.0	51.3	38.0	25.6	48.3	94	−12	May 5	Sept. 29
Indiana.																	
Anderson	30.6	28.8	44.2	53.1	63.6	70.2	74.8	c74.4	70.8	55.2	43.3	33.8	53.6	97	− 2	Apr. 16	Oct. 2
*Auburn	a25.9	.....	38.0	47.0	59.6	67.0	71.8	68.8	66.0	d50.2	.....	f26.3	.....	97	.....	May 3	Oct. 2
*Bloomington	32.6	28.8	45.0	52.6	64.4	71.2	75.9	75.0	71.0	55.6	44.4	34.0	54.2	99	1	May 1	Oct. 2
Bluffton	29.3	25.1	41.8	50.0	62.2	69.2	74.4	71.6	68.4	52.4	41.1	31.2	51.4	98	− 3	May 3	Oct. 2
Butlerville	32.6	33.2	47.9	54.6	65.0	71.2	76.5	76.2	73.0	56.7	45.6	36.6	55.8	100	2	May 1	Oct. 2
*Cambridge City	27.8	26.2	42.4	49.9	61.0	68.5	73.0	71.0	67.4	52.3	41.2	31.8	51.0	99	2	May 2	.....
Collegeville	29.2	26.6	41.9	49.0	62.0	69.6	74.2	73.6	68.6	54.5	42.0	30.2	51.8	98	− 5	May 3	Oct. 1
*Columbus	31.8	31.2	47.3	54.2	64.6	71.4	76.2	74.8	70.4	55.0	45.0	35.4	54.8	100	2	May 1	Oct. 2
Connersville	30.4	29.2	45.0	52.7	62.9	68.9	73.6	72.2	67.4	53.3	42.8	34.4	52.7	96	− 2	May 1	Oct. 2
*Delphi	27.8	24.8	42.2	50.4	62.6	69.8	74.2	71.8	68.0	53.4	39.6	29.0	51.1	100	− 4	May 2	Oct. 2
Elkhart	27.0	23.1	39.7	50.0	62.4	70.2	75.6	71.7	69.7	53.7	41.4	30.8	51.3	98	− 4	Apr. 17	Oct. 2
Eminence	32.0	31.8	46.0	53.6	64.4	70.4	75.2	73.8	70.0	55.7	45.0	35.6	54.5	97	0	May 1	Oct. 2
*Evansville	35.2	35.8	51.1	57.0	67.2	74.8	78.9	78.0	72.8	58.4	49.4	40.2	58.2	97	8	Apr. 3	Oct. 28
Farmersburg	33.0	31.6	47.8	c53.8	65.0	70.8	76.0	75.4	c71.2	55.4	45.4	d37.0	55.2	98	3	Apr. 12	Oct. 29
*Farmland	30.0	29.0	44.2	51.6	63.2	69.6	73.6	71.6	68.6	54.6	.....	33.8	.....	92	− 1	Apr. 17	Sept. 3
Franklin	32.4	30.4	46.4	53.6	64.0	70.6	75.7	74.1	70.0	54.4	44.0	.....	.....	98	1	May 1	Oct. 2
Fort Wayne	e29.0	25.8	41.6	g49.8	.....	69.2	73.4	70.6	68.2	52.6	41.7	31.4	.....	98	− 4	.....	Oct. 2
Greenfield	31.8	30.0	45.8	53.5	.....	.....	75.3	74.0	71.6	57.0	45.2	35.4	.....	95	0	Apr. 16	Oct. 12
Greensburg	32.7	31.0	46.6	54.4	64.8	72.8	75.8	75.3	71.9	57.2	47.2	35.5	55.4	97	1	May 1	Oct. 2
Hammond	27.7	25.6	39.7	48.2	59.7	66.7	72.0	70.2	68.8	53.6	42.0	29.6	50.3	97	− 9	May 2	Oct. 2
Huntingburg	.....	.....	.....	.....	.....	.....	f77.0	76.3	72.7	56.0	49.8	38.8	.....	99	.....	.....	Oct. 2
Huntington	29.6	25.9	42.1	51.2	62.5	70.0	74.6	72.8	70.0	54.0	42.0	31.6	52.2	98	− 4	May 2	Oct. 2
*Indianapolis	31.1	29.4	44.8	52.2	63.8	70.7	76.0	74.6	71.6	55.8	44.4	34.5	54.1	95	0	Apr. 16	Oct. 12
Jeffersonville	34.7	35.0	51.0	56.6	70.7	73.8	77.8	76.7	72.6	57.2	48.0	39.6	57.8	97	7	Apr. 12	Oct. 3
Judyville	29.8	26.8	44.0	50.6	62.7	71.3	73.8	70.8	68.7	53.6	41.9	30.5	52.0	95	4	May 2	Sept. 29
Knox	27.4	24.3	40.9	50.6	62.0	68.3	73.4	70.2	67.6	53.4	41.0	29.8	50.7	94	− 6	May 2	Oct. 2
Kokomo	29.2	25.4	44.4	49.4	62.0	68.5	74.6	74.2	69.0	55.0	41.0	.....	.....	101	− 3	May 2	Oct. 4
*Lafayette	28.1	25.4	42.2	50.7	62.6	70.4	75.4	74.0	70.0	54.8	41.3	30.0	52.1	98	− 2	May 2	Oct. 2
Laporte	26.6	24.2	39.2	.....	.....	68.6	74.2	71.9	c68.6	a56.5	a41.4	c29.9	.....	97	− 6	May 3	Oct. 2
Lima	25.7	21.2	37.9	48.0	59.8	68.2	73.7	70.2	68.8	52.6	38.6	28.2	49.4	97	− 3	May 2	Oct. 2
*Logansport	29.4	26.2	43.0	51.5	64.2	71.2	75.6	73.2	69.0	54.6	40.6	31.2	52.5	99	− 2	May 3	Oct. 2
Madison	33.8	33.8	50.8	56.5	67.6	74.4	78.0	79.4	75.0	57.4	43.9	c39.0	57.5	101	5	May 1	Oct. 25
Marengo	34.2	34.6	51.0	56.7	66.0	72.7	76.3	76.2	71.2	55.4	46.8	39.5	56.7	99	6	May 1	Oct. 2
*Marion	29.9	26.3	43.4	52.2	63.6	70.6	75.0	73.0	69.3	53.9	41.9	32.2	52.6	100	− 5	May 3	Oct. 2
Markle	29.0	25.0	42.0	51.0	62.3	68.2	73.8	70.8	68.8	52.2	40.6	30.4	51.2	97	− 6	May 3	Oct. 2
Mauzy	30.4	28.5	44.6	52.5	62.8	68.6	73.8	72.8	69.6	54.4	42.6	33.9	52.9	97	− 1	May 2	Oct. 2
Moores Hill	31.8	30.3	47.2	54.3	64.2	70.6	76.1	75.2	72.4	55.8	45.2	36.1	54.9	99	1	May 1	Oct. 2
Mount Vernon	33.2	34.0	49.3	55.5	69.1	76.6	78.6	78.5	73.6	57.6	47.8	38.4	57.7	101	7	Apr. 4	Oct. 31
Northfield	28.2	25.8	41.8	50.5	61.3	67.8	72.4	70.8	66.6	50.9	.....	.....	.....	98	− 5	May 2	Oct. 3
Paoli	33.8	33.4	50.2	55.7	65.8	72.5	80.0	75.6	70.8	54.5	46.7	38.0	56.4	101	5	May 1	Oct. 2
Plymouth	27.2	23.8	39.9	49.4	60.8	67.9	73.5	70.7	67.8	52.9	40.8	29.2	50.3	96	− 8	May 3	Oct. 2
Princeton	34.0	34.3	50.4	56.2	66.0	73.8	77.4	76.7	72.2	57.0	48.2	38.2	57.0	99	5	Apr. 12	Oct. 13
Richmond	30.0	28.5	44.8	52.8	62.8	68.7	73.4	71.6	67.3	52.4	41.4	33.0	52.2	95	0	May 1	Oct. 2
Rochester	29.8	25.8	41.8	50.4	63.0	71.0	75.7	71.7	68.3	53.5	41.7	31.8	52.0	95	4	May 3	Oct. 2
Rockville	31.0	29.6	45.8	53.0	63.8	70.2	75.2	74.4	70.9	55.8	44.6	34.8	54.1	96	0	May 2	Oct. 2
Rome	36.4	36.6	53.5	59.0	68.4	75.2	78.9	78.8	74.2	57.9	49.4	41.0	59.1	101	8	Apr. 30	Oct. 3
Salamonia	30.0	27.2	43.5	51.8	62.1	e68.8	74.8	72.1	69.8	53.3	42.4	32.6	52.4	97	− 3	May 3	Oct. 3
Salem	33.2	32.4	49.4	55.0	65.8	72.0	76.9	75.6	70.8	54.6	45.3	37.5	55.7	100	2	May 1	Oct. 2
Scottsburg	34.6	35.0	49.6	56.3	67.7	74.8	78.6	76.6	c72.8	56.0	48.0	38.6	57.4	99	5	May 1	Oct. 2
Seymour	.....	.....	48.8	.....	e66.8	e71.6	.....	.....	71.0	55.2	45.4	37.4	.....	.....	.....	May 1	Oct. 2
Shelbyville	30.0	28.7	46.1	53.3	63.9	72.5	74.9	73.2	70.4	54.6	44.0	34.8	53.9	97	0	May 1	Oct. 2
South Bend	26.0	22.1	38.3	48.2	60.6	67.8	74.5	72.0	69.9	54.6	40.4	28.9	50.3	97	− 9	May 2	Oct. 2
Terre Haute	34.2	32.5	48.6	55.4	66.2	73.1	77.8	76.8	73.2	57.2	47.4	36.4	56.8	99	3	May 3	Oct. 12

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Indiana—Continued.																	
Veedersburg	31.2	28.6	°45.3	°54.8	64.6	71.6	76.1	74.5	70.6	56.6	°45.7	33.6	54.4	99	— 1	May 2	Oct. 2
Vevay	33.6	33.2	49.8	56.4	67.1	72 9	77.6	77.0	71.8	57.5	47.7	39.1	57.0	98	4	May 3	Oct. 3
*Vincennes	31.5	32.6	48.1	55.6	67.2	74.8	78.2	77.3	72.8	57.1	45.6	36.2	56.4	101	5	Apr. 4	Oct. 28
*Washington	31.8	32.0	47.6	°55.4	65.3	72.3	76.7	75.4	71.6	56.8	45.9	36.2	55.6	97	5	Apr. 12	Oct. 31
Whitestown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	b42.2	32.8	.....	.....	.....	.....	.....
Winona Lake	.....	25.0	40.6	49.8	61.0	68.8	73.9	f71.4	.....	54.6	42.1	31.4	.....	96	— 6	May 2	Oct. 2
Worthington	33.0	32.6	48.4	55.2	66.2	72.6	76.8	75.8	71.6	56.6	45.4	37.2	56.0	97	4	May 1	Oct. 3
Zelma	33.0	31.8	49.0	54.6	65.2	71.6	77.4	76.3	72.4	55.4	46.0	37.2	55.8	104	2	May 1	Oct. 3
Iowa.																	
Afton	27.6	26.8	39.7	52.8	61.2	69.2	74.2	74.9	68.1	51.6	40.6	29.9	51.1	96	— 8	May 2	Sept. 28
*Albia	26.2	24.8	39.8	51.4	60.4	66.7	73.2	71.0	67.5	51.3	41.1	28.9	50.2	96	— 8	May 2	Sept. 28
Algona	21.8	22.4	35.4	48.6	57.6	65.8	72.2	68.1	66.3	49.2	36.5	24.2	47.3	96	—16	May 3	Sept. 28
Allerton	29.0	27.4	41.6	52.4	60.8	67.8	73.8	72.2	69.1	53.0	42.8	31.5	51.8	96	— 7	May 2	Sept. 28
*Alta	21.0	20.4	33.1	48.2	57.4	64.7	71.0	68.0	66.6	48.2	36.0	23.9	46.5	94	—15	May 3	Sept. 28
Alton	22.4	23.2	35.4	49.5	58.5	66.2	72.6	69.1	68.6	49.4	35.9	24.4	47.9	98	—11	May 3	Sept. 28
Amana	26.0	25.6	39.4	50.4	60.4	68.2	73.6	70.0	66.4	51.6	39.8	27.2	49.9	97	— 7	May 3	Sept. 29
Ames	24.8	24.8	38.1	50.4	59.3	67.0	72.8	69.0	66.1	52.4	.....	27.6	.....	95	—12	May 4	Sept. 28
Atlantic	26.0	23.9	38.0	50.6	58.9	66.5	72.5	69.9	66.8	49.6	39.0	28.6	49.2	97	—10	May 9	Sept. 28
Audubon	25.2	24.0	37.6	49.6	58.8	66.7	72.3	68.4	65.6	49.9	37.4	26.8	48.5	96	—11	May 9	Sept. 28
Baxter	25.4	24.8	37.9	50.4	59.4	66.4	72.2	71.1	67.5	53.3	42.4	26.8	49.8	95	—13	May 2	Sept. 28
Bedford	28.6	27.4	40.6	52.8	59.2	67.8	73.1	71.8	68.3	53.1	40.4	29.8	51.1	97	—10	May 2	Sept. 28
Belle Plaine	23.6	23.6	36.9	49.7	60.0	68.2	72.6	68.6	66.1	51.6	40.6	27.0	49.0	95	—12	May 2	Sept. 28
Bloomfield	28.7	27.4	42.2	52.9	61.8	69.6	75.7	73.4	70.0	53.6	43.0	30.4	52.4	100	— 6	May 2	Sept. 28
Bonaparte	27.4	27.0	41.9	52.6	62.1	68.0	73.6	71.0	68.6	53.4	43.0	30.0	51.6	95	— 8	May 2	Sept. 28
*Boone	24.0	22.9	36.0	49.7	58.8	66.5	73.6	70.2	68.4	51.5	39.0	27.2	49.0	96	—12	May 2	Sept. 28
Britt	21.6	22.5	34.2	47.2	57.9	65.6	72.1	67.2	66.1	49.2	35.4	23.8	46.9	94	—17	May 3	Sept. 28
*Burlington	26.2	26.4	42.2	52.0	62.6	71.9	77.2	73.8	69.8	54.4	42.6	30.7	52.5	98	— 3	May 2	Sept. 28
*Carroll	23.6	22.7	35.3	49.4	58.6	66.2	72.7	69.6	67.7	50.0	37.8	26.8	48.4	97	—12	May 9	Sept. 28
*Cedar Rapids	24.0	22.7	37.6	49.3	59.8	68.8	74.8	70.6	67.1	51.8	38.9	26.2	49.3	98	— 7	May 3	Sept. 28
Chariton	28.4	26.0	40.9	51.8	60.0	66.6	72.8	71.5	69.2	52.5	42.0	30.9	51.0	98	— 9	May 2	Sept. 28
*Charles City	20.1	21.4	34.6	47.7	57.4	65.0	71.6	67.4	65.9	49.8	36.2	23.2	46.7	94	—14	May 3	Sept. 28
*Clarinda	26.9	26.1	40.5	52.8	59.4	68.2	73.8	72.3	68.6	52.0	40.1	29.1	50.8	98	— 8	May 3	Sept. 28
Clear Lake	22.0	22.4	34.4	48.1	58.1	66.2	72.2	68.8	66.4	51.0	37.7	24.4	47.6	94	—17	May 3	Sept. 28
Clinton	25.7	24.2	39.2	50.0	60.4	69.4	74.0	70.0	66.2	50.8	38.8	25.8	49.5	96	— 8	May 3	Sept. 29
Columbus Junction	27.6	27.0	41.4	51.4	61.8	68.9	74.2	71.6	68.3	53.6	42.5	30.0	51.5	94	— 5	May 2	Sept. 28
Corning	26.2	26.1	39.7	55.4	59.4	67.4	72.6	71.0	67.6	51.6	39.4	29.4	50.5	95	—11	May 2	Sept. 28
Corydon	29.6	27.1	42.4	53.4	61.4	68.1	73.8	72.8	69.6	53.6	43.0	31.5	52.2	96	— 8	May 2	Sept. 28
*Creston	24.4	21.5	.....	d51.4	58.0	66.6	71.7	69.0	66.4	51.2	40.4	28.0	.....	93	—12	May 3	Sept. 28
*Davenport	26.6	26.1	40.2	50.4	61.2	68.8	75.1	72.2	69.4	53.6	41.6	28.7	51.2	95	— 4	May 2	Sept. 29
Decorah	20.8	22.4	33.8	47.0	58.4	66.8	72.6	68.4	67.3	50.8	37.5	23.0	47.4	98	—16	May 9	Sept. 29
Delaware	22.0	21.6	35.6	46.4	58.4	66.0	72.4	67.8	66.0	48.8	.....	.....	.....	94	—11	May 3	Sept. 29
Denison	25.2	23.3	39.4	50.4	58.5	67.2	72.4	69.6	67.8	50.6	38.4	28.4	49.3	95	—11	May 9	Sept. 28
*Des Moines	27.0	26.1	39.8	51.8	60.4	68.0	74.4	71.4	68.4	52.9	41.5	29.6	50.9	95	— 7	May 2	Sept. 28
De Soto	27.4	25.8	39.8	52.2	61.0	68.1	73.7	71.1	69.1	53.5	40.8	29.2	51.0	95	—14	May 2	Sept. 28
Dows	22.6	22.5	35.3	47.8	57.2	65.4	70.8	66.2	65.3	49.8	35.9	24.8	47.0	93	—17	.....	.....
*Dubuque	24.8	24.0	37.8	48.8	59.7	67.4	73.4	69.6	68.1	51.7	38.8	25.8	49.2	96	— 6	May 3	Sept. 29
Earlham	26.2	25.8	38.1	51.0	58.7	65.5	71.9	68.8	66.6	52.0	40.4	29.8	49.6	93	—10	May 9	Sept. 28
Elkader	22.8	24.3	36.5	48.6	59.3	65.3	74.5	70.6	68.1	51.6	38.1	24.1	48.6	99	—14	May 9	Sept. 29
Elliott	26.8	26.3	40.4	53.0	60.0	67.2	73.8	71.1	69.3	52.0	40.5	31.3	51.0	93	—10	May 2	Sept. 27
Elma	20.2	22.4	34.0	47.0	57.0	65.6	71.3	66.3	65.2	49.2	35.7	21.8	46.3	94	—16	May 9	Sept. 28
*Estherville	20.1	20.2	32.6	47.1	56.6	64.6	70.0	67.0	66.8	47.1	36.8	22.6	46.0	95	—18	May 3	Sept. 28
Fairfield	27.8	25.5	41.7	51.6	60.4	.....	.....	71.1	69.2	53.3	43.0	29.7	.....	96	—10	May 8	Sept. 28
Fayette	20.8	22.0	35.4	b48.0	57.6	65.6	a72.4	.....	.....	.....	b36.6	d23.6	.....	94	—12	May 9	.....
*Forest City	19.7	20.8	32.5	47.6	57.0	65.2	72.0	68.2	66.4	49.2	36.4	23.3	46.5	95	—18	May 3	Sept. 28
*Fort Dodge	22.6	21.8	34.9	49.2	58.8	65.8	72.1	68.8	67.1	49.7	38.2	24.6	47.8	96	—13	May 7	Sept. 28
Grand Meadow	21.4	22.0	35.0	47.5	58.2	65.0	71.3	67.4	66.0	49.6	37.1	23.2	47.0	92	—14	May 3	Sept. 29
Greene	.....	.....	.....	49.0	59.1	67.0	73.6	69.4	67.0	50.5	38.0	24.9	.....	98	.....	May 3	Sept. 28
Greenfield	27.4	25.2	39.0	51.9	59.2	.....	71.4	70.5	68.2	51.2	40.6	30.0	.....	92	—12	.....	.....
Grinnell	26.0	25.4	38.8	51.1	60.2	67.3	73.2	70.6	68.3	52.6	42.0	29.0	50.4	96	—10	May 2	Sept. 28
Grundy Center	24.7	24.4	38.6	51.1	60.0	67.6	73.2	69.8	67.8	51.2	38.8	26.2	49.4	98	—11	May 3	Sept. 28
Guthrie Center	26.8	24.9	38.4	51.4	60.6	68.2	73.4	70.6	67.5	51.4	39.4	29.0	50.1	95	—10	May 2	Sept. 28
Hampton	23.3	23.0	36.1	49.0	59.2	66.3	73.4	69.7	68.4	51.8	38.0	25.0	48.6	96	—14	May 3	Sept. 28
Hancock	27.2	25.6	39.8	52.0	59.2	67.1	72.2	70.4	68.8	52.2	39.8	29.2	50.3	95	—12	May 2	Sept. 28
Harlan	25.8	24.6	37.9	51.0	58.9	66.6	71.8	70.2	67.8	50.5	38.2	27.6	49.2	97	—14	May 9	Sept. 28
Hopeville	28.0	26.9	40.3	52.8	60.6	67.6	73.9	72.0	68.8	52.3	41.2	29.9	51.2	98	— 9	May 2	Sept. 28
Humboldt	22.4	23.4	37.0	50.0	58.4	66.3	72.6	67.6	66.6	52.0	40.4	27.0	48.6	94	—14	May 3	Sept. 28
Independence	24.7	24.7	37.6	48.8	58.8	66.0	71.6	68.8	66.6	50.8	38.0	25.1	48.5	94	—11	May 3	Sept. 28
Indianola	27.8	25.8	40.0	52.0	60.8	68.0	74.0	71.2	70.0	53.3	41.0	29.5	51.1	97	— 8	May 2	Sept. 28
Inwood	21.2	20.4	33.8	49.6	57.5	64.4	71.6	69.0	68.3	48.5	36.2	23.6	47.0	99	—15	May 9	Sept. 28
*Iowa City	24.2	23.6	38.8	50.6	61.2	68.8	74.8	71.4	67.6	52.4	39.6	26.9	50.0	98	— 9	May 3	Sept. 29
*Iowa Falls	22.1	22.2	35.4	48.0	57.4	65.6	71.5	67.1	65.2	49.4	36.8	24.7	47.1	95	—13	May 9	Sept. 28
Jefferson	a26.8	24.6	a38.4	b52.5	.....	a66.8	a72.6	.....	67.5	.....	39.4	29.1	.....	95	—10	.....	Sept. 28
Keokuk	30.4	29.1	44.8	53.8	63.2	70.2	76.1	74.5	70.8	54.4	45.2	33.4	53.8	95	— 2	May 2	Sept. 29
*Keosauqua	26.3	25.4	41.0	51.6	62.0	68.4	74.6	71.8	67.4	52.2	41.0	29.4	50.9	97	— 4	May 2	Sept. 29
Knoxville	28.8	27.2	40.9	52.8	61.8	69.0	74.6	72.1	68.3	53.2	42.2	30.2	51.8	97	— 7	May 2	Sept. 28
Larrabee	21.8	21.0	34.6	49.8	57.9	65.8	72.1	68.0	66.8	48.1	36.1	24.6	47.2	94	—16	May 8	Sept. 28
Le Mars	22 9	22.8	36.3	50.2	58.4	66.2	72.2	68.4	67.8	49.0	36.8	25.6	48.0	97	—13	May 9	Sept. 28
Lenox	28.0	26.2	40.6	52.5	60.0	68.0	72.8	71.2	67.8	51.8	39.8	29.8	50.7	93	—13	May 2	Sept. 28
Leon	27.4	27.3	41.3	53.0	61.4	68.6	73.8	73.2	68.3	51.8	41.2	30.6	51.5	96	— 7	May 2	Sept. 28
Little Sioux	27.3	25.6	39.4	53.6	60.2	68.2	73.5	71.8	70.2	51.6	39.0	29.1	50.8	95	—13	May 9	Sept. 28
Logan	28.2	25.9	39.0	53.2	59.9	68.5	72.8	71.5	69.5	51.4	39.0	28.8	50.6	97	— 6	May 8	Sept. 28
*Marshalltown	23.9	22.4	36.6	49.4	58.9	66.7	72.5	68.7	66.0	50.6	38.0	26.2	48.3	95	—13	May 3	Sept. 28
Mason City	21.6	21.9	34.4	47.0	57.0	64.8	71.2	66.8	64.6	48.8	35.7	23.5	46.4	94	—14	May 3	Sept. 28
Massena	28.7	a26.1	.....	.....	.....	67.6	.....	.....	.....	.....	.....	a33.6	.....	.....	—10	.....	.....
Mount Ayr	29.0	27.0	41.3	53.1	61.0	68.3	74.2	72.4	69.6	52.4	41.4	31.0	51.7	96	— 8	May 2	Sept. 28
Mount Pleasant	27.9	27.2	41.5	52.6	62.8	69.8	75.2	72.8	70.0	53.0	42.5	29.8	52.1	97	— 4	May 2	Sept. 29
New Hampton	20.2	21.5	34.4	47.2	57.4	64.8	71.2	66.8	65.2	48.7	36.4	23.2	46.4	91	—15	May 3	Sept. 28
Newton	26.0	25.3	38.6	51.5	60.2	b68.0	73.8	f71.4	68.2	52.8	41.2	29.0	50.5	94	—10	May 2	Sept. 28
Northwood	.....	22.0	34.0	46.8	58.0	64.9	71.2	67.1	66.2	49.4	37.4	19.5	.....	91	—12	May 3	Sept. 28
Odebolt	25.5	23.8	37.4	51.7	59.2	67.8	74.3	71.2	68.8	50.6	38.5	27.8	49.7	100	—12	May 7	Sept. 28
Olin	a24.8	24.7	39.0	a49.6	60.0	67.0	73.2	a68.6	b66.4	50.1	.....	.....	.....	93	—13	May 3	Sept. 29

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Iowa—Continued.																	
Onawa	27.8	27.2	40.6	54.8	61.8	69.6	75.1	73.0	71.6	52.4	40.2	30.1	52.0	95	− 5	May 2	Sept. 29
Osage	18.5	23.0	34.6	48.7	59.2	66.2	73.2	70.4	67.4	51.7	37.6	23.6	47.8	97	−16	May 3	Sept. 28
Oskaloosa	27.5	26.5	40.2	52.3	61.4	68.2	74.8	71.8	68.2	53.2	41.2	29.0	51.2	101	− 9	May 2	Sept. 28
Ottumwa	26.8	25.8	41.0	52.5	62.3	70.0	76.8	74.0	70.1	53.7	43.1	31.4	52.3	101	− 5	May 3	Sept. 28
Pacific Junction	28.4	27.0	40.9	53.2	60.2	68.5	73.2	71.6	68.6	51.7	39.1	29.3	51.0	94	− 8	May 8	Sept. 28
Pella	28.6	a27.3	c41.2	54.0	62.3	a69.4	a75.8	72.9	b69.3	53.4	h42.2	.....	.....	99	− 8	May 2	Sept. 28
Perry	c27.4	.....	a38.8	51.4	60.6	68.3	74.0	70.4	67.9	51.7	38.7	27.8	.....	97	.....	May 2	Sept. 28
Plover	21.0	23.1	36.2	49.1	59.4	65.8	72.6	68.9	66.8	49.1	36.2	25.4	47.8	94	−16	May 8	Sept. 28
Pocahontas	22.0	22.2	35.4	49.0	57.8	64.3	70.8	67.8	66.7	49.1	36.3	25.6	47.2	95	−14	May 3	Sept. 28
Ridgeway	22.6	23.6	35.4	48.4	58.4	65.6	72.6	70.0	70.0	51.4	38.8	23.4	48.4	98	−15	May 3	Sept. 29
Rock Rapids	20.2	18.2	33.3	47.7	55.2	66.2	74.0	69.6	69.0	.....	.....	.....	.....	99	−12	May 9	Sept. 29
Rockwell City	24.7	24.8	36.7	51.1	60.0	67.7	73.6	69.5	68.1	51.5	40.1	28.2	49.7	100	−12	May 3	Sept. 28
Sac City	24.4	22.8	.....	.....	.....	.....	.....	68.8	70.7	.....	.....	.....	.....	.....	−11	.....	.....
St. Charles	29.6	26.8	40.8	52.6	60.6	67.1	.....	73.0	69.4	53.3	43.0	31.0	.....	94	− 9	May 2	Sept. 28
Sheldon	22.3	21.9	35.2	50.2	58.8	65.0	72.2	69.2	70.2	49.2	37.6	23.2	47.9	98	−16	May 8	Sept. 28
*Sibley	19.4	18.4	31.4	46.6	55.4	62.9	69.2	66.2	66.0	46.6	35.4	20.8	44.9	95	−17	May 8	Sept. 28
Sigourney	27.5	26.6	40.6	52.1	61.6	69.3	75.2	72.2	68.8	53.2	41.7	29.4	51.5	100	− 8	May 2	Sept. 28
Sioux Center	21.2	.....	34.6	48.8	57.4	64.4	70.5	67.6	68.2	48.2	a36.5	23.8	.....	93	−13	May 7	Sept. 28
*Sioux City	25.4	24.0	37.0	51.0	58.6	66.5	72.8	69.8	69.2	49.6	37.9	27.2	49.1	96	−10	May 2	Sept. 29
Stockport	27.8	27.8	42.0	52.0	61.4	67.8	73.6	72.1	68.0	53.0	42.6	30.2	51.5	93	− 6	May 2	Sept. 29
Storm Lake	23.5	21.6	35.8	49.8	58.0	65.4	71.6	68.1	67.4	49.1	37.6	27.0	47.9	93	−14	May 3	Sept. 28
Thurman	29.4	27.2	41.2	54.0	60.9	69.7	74.5	73.1	68.0	52.2	39.6	30.0	51.6	96	−14	May 2	Sept. 28
Tipton	26.4	25.6	40.7	50.9	61.9	70.0	76.5	73.2	69.6	53.6	41.1	28.0	51.5	97	− 8	May 3	Sept. 29
Toledo	25.5	24.7	38.4	50.2	59.6	67.4	73.4	70.2	66.8	51.3	39.4	26.4	49.4	98	−10	May 3	Sept. 29
Wapello	f27.1	b27.4	41.4	52.2	61.0	d67.6	72.7	a71.6	67.9	.....	.....	30.4	.....	94	− 3	May 2	.....
Washington	26.5	26.0	40.3	51.2	60.9	67.4	73.2	70.6	68.4	53.0	41.6	29.6	50.7	95	− 8	May 2	Sept. 28
Washta	24.2	23.4	35.5	48.9	56.6	65.2	71.4	69.4	68.0	50.2	37.4	26.6	48.1	95	−16	May 9	Sept. 28
*Waterloo	25.6	24.6	37.7	49.5	59.6	66.4	74.0	70.0	67.6	52.0	39.0	25.1	49.3	99	−10	May 2	Sept. 29
Waukee	27.4	25.6	37.9	49.8	58.4	68.8	73.4	70.2	67.3	52.8	39.0	28.8	50.0	94	−13	May 2	Sept. 28
Waverly	22.4	23.7	36.4	49.0	58.8	66.0	71.6	68.6	67.0	51.0	37.9	25.0	48.1	93	−11	May 3	Sept. 29
Webster City	24.0	24.4	37.7	49.2	59.6	67.8	74.3	69.8	67.5	51.4	38.6	27.0	49.3	99	−14	May 9	Sept. 28
West Bend	21.4	22.9	34.6	47.9	57.8	65.8	73.0	68.4	65.9	49.3	36.4	25.5	47.4	95	−15	May 3	Sept. 28
Whitten	23.8	23.6	36.8	50.5	58.6	67.2	72.6	70.4	67.6	50.4	38.6	27.5	49.0	96	−15	May 3	Sept. 28
Wilton Junction	25.0	25.4	39.4	51.2	60.5	67.6	73.6	70.2	68.0	52.4	40.8	27.9	50.2	93	−10	May 4	Sept. 29
Winterset	27.8	26.1	39.6	52.6	61.4	69.9	75.0	71.8	68.0	51.8	40.6	29.4	51.2	97	− 9	May 2	Sept. 28
Woodburn	.....	.....	40.3	51.6	60.0	67.2	72.3	69.8	66.6	52.4	41.4	28.8	.....	95	.....	May 9	Sept. 28
Zearing	24.6	24.4	37.5	49.4	58.8	67.0	72.9	.....	.....	51.8	38.2	26.6	.....	95	−12	May 3	.....
Kansas.																	
Agricultural College	35.0	34.8	47.6	55.7	62.6	71.8	75.8	75.2	70.2	55.7	43.5	35.0	55.2	97	− 1	Apr. 30	Sept. 28
Alton	.....	.....	.....	56.5	.....	71.9	76.4	75.2	72.2	54.6	41.6	33.8	.....	103	.....	Apr. 30	Oct. 23
Anthony	.....	.....	c54.6	a59.5	a66.3	d73.7	77.8	80.2	72.2	57.3	46.6	40.0	.....	103	.....	Apr. 30	Oct. 24
Ashland	38.0	40.4	50.8	57.2	66.7	74.2	77.2	77.1	71.2	56.8	45.0	38.0	57.7	107	1	May 7	Oct. 23
Atchison	33.2	33.0	47.0	55.6	63.4	f69.9	74.4	.....	.....	56.4	43.6	35.9	.....	93	2	Apr. 30	Oct. 12
*Baker	33.4	31.5	46.0	53.5	60.9	70.0	74.5	73.2	70.2	.....	42.8	33.6	.....	100	− 2	May 2	Sept. 28
Blakeman	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	i36.8	30.5	.....	.....	.....	.....	.....
Burlington	36.4	38.6	50.6	57.4	65.7	73.4	76.2	78.4	71.0	56.8	47.0	38.7	57.5	101	2	Apr. 30	Sept. 28
Chapman	35.7	36.0	48.4	56.6	63.5	72.6	76.4	76.3	71.0	a55.6	43.6	35.2	55.9	99	0	Apr. 30	Sept. 28
Cimarron	b35.6	37.3	47.8	e56.2	63.9	b72.3	73.8	c74.8	68.6	c53.8	c42.8	d35.8	55.2	104	− 4	Apr. 29	Oct. 23
Clay Center	35.0	35.2	47.0	56.0	62.9	71.6	76.2	75.8	70.6	54.8	43.4	34.4	55.2	102	− 2	Apr. 30	Oct. 11
Colby	32.8	33.2	44.2	53.2	59.2	70.8	.....	74.0	69.3	52.8	40.4	29.6	.....	102	− 7	Apr. 29	Sept. 27
Columbus	36.8	39.0	51.5	56.4	67.0	73.6	76.4	78.4	71.6	56.2	47.2	39.0	57.8	98	5	Apr. 3	Oct. 12
Coldwater	39.2	39.7	51.0	58.0	66.0	73.2	76.7	78.5	72.0	56.8	45.0	38.4	57.9	103	1	Apr. 29	Oct. 23
*Concordia	34.6	34.1	46.1	55.2	61.8	70.6	74.6	74.4	70.1	54.0	43.6	34.9	54.5	98	1	Apr. 3	Oct. 11
Coolidge	31.4	35.0	46.2	55.0	63.5	c74.0	76.4	75.0	68.8	53.3	.....	30.8	.....	110	− 7	Apr. 29	Sept. 27
Cottonwood Falls	35.4	37.0	49.7	57.4	64.8	72.4	75.5	76.8	69.2	55.2	.....	37.6	.....	98	− 3	Apr. 30	Sept. 28
Council Grove	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.4	44.0	35.9	.....	.....	.....	.....	.....
Cunningham	e39.1	a41.5	f52.6	e59.2	65.7	b73.6	77.3	78.2	e72.0	e57.5	f45.6	.....	.....	102	3	Apr. 2	Oct. 24
*Dodge City	36.5	37.8	47.4	55.0	64.0	71.9	75.2	76.0	70.2	54.8	42.9	36.2	55.7	101	− 1	Apr. 29	Oct. 23
*Dresden	.....	32.8	44.6	52.8	59.1	70.0	73.7	72.2	70.4	53.6	41.0	33.2	.....	101	− 9	Apr. 29	Sept. 27
El Dorado	37.2	39.2	50.9	57.4	a64.2	71.9	75.8	76.9	69.0	56.0	45.8	37.8	56.8	98	2	Apr. 30	Oct. 24
Ellinwood	36.8	36.8	47.3	56.1	65.0	73.0	76.4	76.6	71.1	55.9	43.9	36.6	56.3	97	− 1	Apr. 30	Oct. 24
Ellsworth	35.0	36.2	47.3	a55.8	f61.6	.....	.....	75.0	b69.1	54.5	42.4	34.1	.....	99	− 4	Apr. 30	Oct. 24
Emporia	34.6	37.1	49.1	56.6	64.3	71.6	75.4	76.4	70.4	55.8	46.2	36.9	56.2	98	4	Apr. 2	Oct. 9
Enterprise	34.8	35.9	a48.4	56.8	64.2	72.3	76.4	76.7	71.0	55.7	43.2	35.0	55.9	100	− 2	Apr. 30	Sept. 28
Eskridge	33.8	33.8	47.0	55.6	62.8	70.4	75.0	74.4	69.7	53.9	44.1	35.6	54.7	97	0	Apr. 3	Oct. 11
Eureka	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	May 8	Sept. 28
Fall River	37.3	39.6	51.8	57.4	66.1	73.7	76.9	78.4	69.8	56.8	47.3	39.2	57.9	100	1	Apr. 30	Sept. 28
Farnsworth	33.2	36.1	45.7	55.0	62.0	71.6	a75.4	75.8	a69.3	54.6	41.8	34.2	54.6	101	− 4	May 8	Oct. 22
*Fort Scott	35.6	38.2	50.9	54.2	66.5	72.2	75.5	76.7	70.0	56.1	47.4	38.6	56.8	98	2	Apr. 30	Sept. 28
Frankfort	33.2	33.5	46.2	56.1	61.8	70.6	76.0	74.6	69.8	54.4	42.9	34.0	54.4	98	− 1	May 8	Sept. 28
Fredonia	.....	.....	.....	.....	66.7	73.4	76.3	79.2	71.4	57.0	48.4	39.7	.....	100	.....	May 8	Oct. 11
Garden City	34.2	37.0	46.0	54.8	63.8	72.3	75.6	a78.0	70.3	54.0	42.6	35.0	55.3	103	− 2	Apr. 29	Oct. 24
Garnett	.....	36.4	.....	e55.4	63.4	72.2	.....	.....	.....	e53.2	47.1	38.1	.....	.....	8	Apr. 30	Oct. 9
Goodland	32.8	33.2	42.8	.....	58.2	70.8	b74.8	74.8	69.6	52.7	.....	28.1	.....	103	−10	Apr. 30	Sept. 27
Gove	32.8	33.9	43.1	54.8	62.4	73.4	77.3	76.7	72.2	54.6	43.1	33.9	54.8	105	− 2	Apr. 29	Oct. 9
Greensburg	37.4	38.6	48.8	56.6	64.6	71.6	75.0	75.4	69.9	54.6	44.4	d37.8	56.2	99	1	Apr. 29	Oct. 23
Grenola	36.4	38.4	50.4	56.6	65.1	72.5	e75.1	77.8	69.2	56.0	46.9	38.2	56.9	101	− 1	Apr. 3	Oct. 12
Hanover	33.2	33.0	45.2	56.0	b63.0	71.8	76.0	75.2	71.0	54.8	a42.6	34.0	54.6	98	− 3	Apr. 29	Oct. 12
Harrison	32.6	32.0	44.2	53.8	60.6	69.2	73.9	72.3	68.8	52.6	40.6	32.2	52.7	98	− 9	Apr. 30	Sept. 28
Hays	34.6	35.8	45.3	54.0	61.8	71.1	75.2	75.4	69.4	53.7	41.7	a34.7	54.4	99	− 2	May 8	Sept. 28
Hill City	.....	.....	.....	.....	.....	.....	a75.8	75.0	69.5	55.8	43.6	35.4	.....	100	.....	.....	Sept. 28
Horton	32.6	32.0	45.8	54.8	61.7	70.0	74.5	73.6	70.4	54.2	43.0	34.0	53.9	95	0	May 2	Sept. 29
Howard	.....	40.1	a51.8	58.4	65.8	70.9	76.4	78.7	71.2	57.8	.....	.....	.....	100	2	Apr. 30	Oct. 12
Hoxie	a32.4	33.5	a43.9	a54.8	61.6	a71.5	76.6	a75.6	a71.0	b52.9	b41.8	f34.3	54.2	102	− 7	Apr. 29	Oct. 22
Hugoton	36.4	.....	.....	.....	64.7	73.4	75.6	76.8	69.6	54.4	42.0	.....	.....	106	.....	Apr. 29	Oct. 22
Hutchinson	37.6	38.4	49.5	56.8	64.4	72.8	76.3	76.5	69.9	55.7	44.3	37.1	56.6	98	3	May 8	Oct. 24
Independence	38.4	40.6	52.6	57.8	66.8	73.9	76.4	79.6	71.2	58.1	48.8	40.2	58.7	101	7	Apr. 30	Oct. 24
*Iola	35.8	38.1	49.8	56.3	66.3	73.3	76.4	77.6	70.4	56.4	46.9	37.7	57.1	97	5	Apr. 3	Oct. 12
Jetmore	37.3	.....	b48.9	55.8	65.6	72.2	75.6	e77.5	70.8	55.2	43.1	36.2	.....	104	− 2	Apr. 29	Oct. 23
Jewell	34.2	33.7	43.7	54.2	59.8	69.8	73.5	73.5	70.3	51.5	40.0	33.2	53.1	100	− 4	Apr. 30	Oct. 11

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Kansas—Continued.																	
Kingman	39.0	40.5	52.4	59.0	67.2	74.4	.....	77.8	70.2	56.1	45.2	39.8	.....	100	4	Apr. 2	Oct. 24
La Crosse	36.8	37.2	[i]49.6	[c]55.0	[a]63.6	71.8	[k]75.6	76.8	[f]70.8	54.0	[i]43.6	35.2	55.8	101	— 3	May 7	Oct. 23
Lakin	33.8	36.6	46.7	54.9	62.7	74.3	76.8	76.0	68.8	53.2	41.2	33.2	54.8	106	— 4	Apr. 29	Oct. 23
Larned	35.3	[a]37.0	[a]46.8	53.7	62.4	70.0	74.6	.....	68.5	54.0	[a]41.4	[a]34.6	.....	100	0	May 8	Oct. 9
Lawrence	33.4	34.4	47.6	55.5	63.4	71.4	75.3	74.0	69.4	54.3	45.4	37.6	55.1	92	3	.....	.....
Lebanon	34.6	33.2	45.0	55.4	61.2	71.1	75.4	[b]75.0	72.1	53.4	43.6	33.8	54.5	99	— 4	Apr. 30	Oct. 24
Lebo	34.6	36.0	48.8	[b]56.6	64.1	71.6	75.2	76.0	69.8	55.9	45.8	36.4	55.9	97	1	Apr. 30	Oct. 9
Liberal	39.6	39.8	51.0	57.0	65.6	74.8	78.6	78.9	71.4	56.4	43.4	37.6	57.8	108	— 1	Apr. 29	Oct. 23
*Macksville	37.0	38.0	47.3	[b]54.6	62.8	70.7	74.2	74.4	68.9	55.0	43.6	36.5	55.2	96	— 1	Apr. 29	Oct. 24
*McPherson	35.6	36.5	48.3	55.9	63.6	72.6	77.4	76.8	70.6	55.6	46.0	36.9	56.3	101	1	Apr. 29	Oct. 9
Madison	35.0	37.5	50.2	57.3	[c]64.6	73.4	[b]75.4	77.0	69.4	54.8	45.2	.....	.....	101	— 3	Apr. 30	Oct. 9
*Manhattan	33.8	34.6	48.2	[a]56.4	62.2	72.1	76.4	76.2	70.4	[a]56.9	44.4	34.8	55.5	98	0	Apr. 30	Sept. 28
Marion	35.2	37.0	49.2	57.2	65.7	74.2	77.0	76.1	68.1	55.4	45.0	38.0	56.5	96	2	Apr. 3	Oct. 24
Medicine Lodge	.....	.....	[g]52.4	[d]57.6	66.0	73.8	76.8	[b]78.0	70.8	[i]59.4	[m]44.6	38.8	.....	102	.....	Apr. 30	Oct. 23
Minneapolis	34.6	34.7	[a]46.5	56.5	[a]63.0	71.0	75.0	75.2	69.5	[a]54.3	42.6	[d]33.3	54.7	98	0	Apr. 29	Oct. 9
Moran	36.4	38.2	50.8	56.6	66.6	73.0	76.6	77.6	72.4	57.9	47.9	38.8	57.7	99	1	Apr. 30	Oct. 12
Ness City	.....	.....	[e]49.4	57.4	65.8	.....	.....	.....	71.3	.....	[g]42.4	[i]37.2	.....	103	.....	Apr. 29	Oct. 23
Newton	[d]37.9	39.1	50.6	56.8	65.8	72.9	[a]76.1	76.8	69.6	.....	[b]46.6	37.4	.....	99	1	Apr. 30	.....
Norton	31.9	31.9	43.1	[a]52.8	[a]60.7	70.6	74.4	73.4	69.8	52.4	41.0	32.8	52.9	102	—11	Apr. 29	Oct. 9
Norwich	39.2	40.8	52.2	58.4	66.4	74.3	77.4	79.4	71.9	57.4	46.8	39.3	58.6	100	5	Apr. 2	Oct. 24
Oketo	.....	.....	.....	.....	.....	.....	.....	.....	71.6	54.5	43.4	33.8	.....	.....	.....	May 7	.....
Olathe	33.2	34.8	47.3	55.4	63.2	71.4	75.2	75.2	70.4	54.8	45.0	35.4	55.1	96	— 2	Apr. 30	Oct. 9
*Osage City	34.4	[a]35.4	[c]47.8	[a]54.3	62.2	71.2	75.4	75.8	68.8	[b]54.8	44.8	[a]35.5	55.0	100	0	Apr. 30	Oct. 9
Oswego	[b]39.4	41.7	52.2	58.8	66.3	73.4	76.5	78.5	72.1	57.6	48.4	40.2	58.6	99	3	Apr. 30	Oct. 12
Ottawa	33.7	36.0	48.2	55.9	63.4	71.0	75.1	75.6	69.4	54.8	[a]45.5	35.8	55.4	99	— 6	Apr. 30	Sept. 28
Paola	34.2	[a]34.5	[c]49.2	[d]57.5	64.0	72.0	75.8	[m]76.3	70.7	[c]57.2	47.8	.....	.....	99	— 1	Apr. 30	Oct. 9
Phillipsburg	34.8	34.0	45.4	55.4	61.4	70.8	75.6	75.1	72.0	54.0	43.0	34.4	54.7	103	— 4	Apr. 29	Oct. 23
Plainville	[a]35.0	[i]34.5	44.8	.....	[d]64.2	.....	.....	.....	.....	.....	42.8	.....	.....	.....	.....	Apr. 29	.....
Pleasanton	35.1	37.0	49.5	55.8	65.1	71.4	75.4	75.8	70.4	55.1	46.8	37.6	56.2	97	3	Apr. 30	Sept. 28
Pratt	39.8	39.0	50.8	57.6	65.8	70.8	76.9	77.7	71.4	56.9	46.0	38.8	57.6	101	2	Apr. 2	Oct. 24
Republic	.....	[i]31.0	43.9	54.2	59.8	69.0	73.0	71.8	68.8	51.1	.....	.....	.....	96	— 4	Apr. 29	Sept. 28
Rome	38.2	39.2	51.7	57.0	.....	[e]74.3	[d]76.8	78.8	71.0	[a]57.8	47.0	40.2	.....	102	1	Apr. 3	Oct. 24
Russell	35.8	36.8	46.6	54.0	62.6	71.2	75.1	74.7	69.6	54.0	43.0	35.0	54.9	99	— 3	Apr. 29	Sept. 28
St. Francis	.....	.....	.....	.....	58.8	68.6	74.4	73.1	69.4	52.5	38.6	[e]25.2	.....	104	.....	.....	Sept. 27
Salina	35.8	36.2	47.8	56.8	63.7	72.8	75.8	75.4	70.4	55.1	42.0	35.4	55.6	100	— 2	Apr. 29	Oct. 9
Scott	33.2	36.6	46.1	54.2	61.4	72.3	74.6	75.8	69.8	55.2	42.0	34.4	54.6	103	— 3	Apr. 29	Oct. 23
*Sedan	38.6	40.4	[e]53.6	57.2	66.5	73.8	77.4	79.3	70.0	56.8	48.5	39.6	58.5	99	3	Apr. 3	Oct. 12
*Topeka	34.0	35.2	48.2	55.9	63.4	71.8	76.0	75.8	70.6	55.0	45.2	36.2	55.6	96	3	Apr. 3	Oct. 12
*Toronto	37.3	38.8	51.0	56.9	65.9	73.8	77.0	78.5	70.8	57.3	47.2	38.6	57.8	102	1	Apr. 30	Sept. 28
Ulysses	35.4	[g]39.5	[f]46.5	[f]54.0	[d]62.6	.....	[e]75.8	[b]77.6	[b]69.4	[e]56.4	[d]42.9	[e]36.6	.....	105	.....	May 7	Oct. 23
Valley Falls	33.2	34.4	[b]48.4	54.8	62.6	70.6	74.7	74.1	69.4	54.9	44.0	36.1	54.8	95	— 2	Apr. 30	Sept. 28
Wakeeney	35.4	35.4	46.0	55.2	62.5	71.2	75.2	76.0	70.4	53.8	42.8	35.0	54.9	103	— 5	Apr. 29	Oct. 23
Wallace	33.6	35.4	43.2	52.8	60.2	71.6	74.1	75.8	70.4	53.2	40.2	28.9	53.3	104	—10	May 7	Sept. 27
Walnut	37.4	38.3	[d]51.2	57.8	66.1	72.6	76.5	77.7	71.6	57.6	47.2	38.6	57.7	100	3	Apr. 3	Sept. 28
Wellington	.....	40.0	50.5	.....	66.0	72.8	.....	.....	.....	.....	.....	.....	.....	98	3	Apr. 3	.....
*Wichita	37.6	39.3	50.6	56.6	65.3	73.1	76.6	77.1	70.1	56.2	46.3	38.0	57.2	99	5	Apr. 3	Oct. 24
Winfield	36.6	39.0	51.6	57.5	66.0	74.2	76.5	78.2	68.8	56.0	46.6	38.0	57.4	98	3	Apr. 3	Oct. 27
Yates Center	[d]37.0	[b]40.1	[e]50.4	57.8	[b]66.6	74.0	[b]76.6	78.4	70.5	[d]57.6	48.5	[a]39.1	58.0	101	— 1	Apr. 30	Sept. 28
Kentucky.																	
Alpha	39.2	[a]39.2	56.1	60.4	67.4	73.0	74.4	74.5	67.9	57.6	54.0	44.0	[a]59.0	94	10	Apr. 4	Oct. 2
Anchorage	[b]34.6	.....	50.2	[c]56.0	66.0	73.2	[a]77.0	76.3	[e]72.6	55.6	46.0	37.4	.....	99	.....	Apr. 1	Oct. 2
*Bardstown	34.6	35.1	50.9	57.3	67.8	75.4	78.5	78.2	74.2	59.2	48.8	39.8	58.3	102	7	May 1	Oct. 31
Beattyville	32.0	33.2	49.4	56.0	65.6	72.6	76.7	75.0	69.5	55.8	45.6	37.5	55.7	100	8	Apr. 21	Sept. 30
*Beaverdam	34.2	[a]35.4	50.6	56.8	67.5	73.9	77.2	76.4	71.8	55.8	48.8	38.6	[a]57.2	99	9	Apr. 4	Oct. 2
Berea	35.3	35.8	52.0	57.0	66.8	72.8	75.4	74.6	70.7	58.8	49.7	41.0	57.5	96	7	Apr. 4	Sept. 30
Blandville	37.6	40.0	56.2	58.8	67.0	73.6	77.6	77.6	73.4	58.8	51.8	41.4	59.5	94	9	Apr. 3	Oct. 28
Bowling Green	36.4	38.0	54.0	61.0	69.0	74.8	78.8	78.0	74.1	[a]58.8	52.0	41.0	[a]59.7	101	9	May 1	Oct. 31
Burnside	35.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cadiz	36.7	38.7	55.8	60.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calhoun	36.8	37.8	55.2	60.2	69.0	75.8	79.5	78.6	74.4	58.8	50.8	42.0	59.9	99	9	Apr. 3	Oct. 31
Catlettsburg	35.8	36.5	53.4	.....	67.8	73.6	78.2	77.9	72.4	58.8	48.5	[b]40.4	.....	104	7	.....	Oct. 3
Earlington	33.9	34.8	52.2	57.8	68.0	74.8	77.8	77.0	71.8	56.6	49.6	36.4	57.7	98	10	May 1	Oct. 3
Edmonton	35.9	36.9	54.2	59.0	[c]66.2	.....	.....	74.8	[c]69.5	56.2	49.8	41.5	.....	.....	8	May 1	Oct. 3
Eubank	33.2	33.2	50.0	55.8	65.2	72.0	74.8	74.0	69.1	55.8	49.4	38.8	55.9	96	6	May 1	Oct. 3
Farmers	35.7	33.6	50.7	[c]57.6	65.8	71.6	75.8	[a]74.0	67.6	55.2	45.6	38.7	[f]56.0	97	6	May 1	Sept. 28
Frankfort	34.8	35.1	51.0	56.4	65.5	72.2	75.8	75.0	70.2	55.9	47.5	40.6	56.7	94	6	May 1	Oct. 2
Franklin	37.8	38.3	55.8	60.6	68.0	75.0	77.6	77.6	73.6	59.0	52.4	42.4	59.8	100	9	Apr. 30	Oct. 2
Greensburg	33.3	34.0	50.0	56.0	65.6	72.6	75.4	74.4	69.4	53.8	45.9	39.4	55.8	102	7	May 1	Oct. 2
Hopkinsville	36.6	38.4	55.0	58.6	67.6	74.8	77.8	77.4	72.9	57.8	49.8	42.4	59.1	97	10	Apr. 4	Oct. 28
Irvington	35.9	35.8	52.6	58.0	67.2	73.6	77.0	76.8	73.3	57.4	49.4	40.4	58.1	96	7	May 1	Oct. 31
Leitchfield	30.4	35.0	51.8	[a]57.7	66.4	72.8	75.9	75.2	71.0	56.4	48.9	40.0	[a]57.1	95	7	May 1	Oct. 25
*Lexington	33.0	33.2	[g]49.6	54.7	64.8	71.8	76.0	74.6	71.8	57.6	47.8	37.8	56.1	94	5	May 1	Oct. 31
Loretto	37.1	36.4	53.3	[e]59.4	67.9	73.3	76.6	[a]76.4	[a]71.2	57.7	[a]48.7	39.8	[f]58.2	97	6	May 1	Oct. 2
*Louisville	35.6	35.4	51.4	56.8	68.0	75.2	79.4	78.4	74.9	59.4	49.7	40.5	58.7	98	7	May 1	Oct. 31
Lynnville	37.0	40.0	55.4	[b]60.0	68.2	74.6	77.6	77.2	73.8	57.6	51.5	42.8	[b]59.6	97	10	Apr. 3	Oct. 15
Marion	36.4	37.5	53.6	59.4	67.8	74.0	77.5	77.6	73.6	57.8	51.0	40.7	58.9	101	8	Apr. 3	Oct. 28
*Maysville	31.6	32.6	47.3	54.0	65.8	72.1	77.1	75.8	70.0	55.4	44.6	36.7	55.2	100	4	May 1	Oct. 2
Middlesboro	37.0	36.8	54.2	59.6	66.1	72.0	75.6	74.8	69.4	56.8	46.8	42.0	57.6	99	7	Apr. 4	Oct. 2
*Mount Sterling	32.8	34.2	49.9	55.9	[b]65.6	72.4	76.4	74.2	68.7	55.6	47.8	38.4	[b]56.0	96	5	Apr. 4	Oct. 31
*Owensboro	34.5	34.8	[c]50.8	56.5	66.6	74.1	77.8	76.9	72.0	56.7	48.0	38.6	57.3	97	9	Apr. 4	Oct. 28
Owenton	32.3	31.3	48.6	53.7	.....	70.4	[b]76.0	[e]76.2	[b]72.8	[e]56.8	46.8	[a]38.5	.....	97	3	.....	Nov. 1
*Paducah	37.7	39.9	56.4	60.8	71.8	78.7	82.0	80.6	76.5	61.2	52.8	43.3	61.8	99	11	Feb. 28	Nov. 12
*Richmond	35.2	35.1	51.0	57.4	66.4	72.4	76.3	75.4	71.7	58.8	49.7	40.3	57.5	94	6	May 1	Oct. 31
*St. John	32.6	33.3	48.6	54.4	64.7	72.2	75.4	74.8	70.8	55.4	46.4	37.0	55.5	102	7	May 1	Oct. 25
Scott	33.2	32.4	48.1	55.4	65.0	71.6	77.3	76.6	72.9	57.6	46.8	37.5	56.2	101	2	Apr. 12	Oct. 30
Shelby City	33.7	33.5	50.4	56.6	64.4	70.7	74.6	73.8	70.0	56.2	47.6	38.2	55.8	96	3	Apr. 4	Oct. 2
*Shelbyville	32.6	32.6	48.4	53.2	65.6	72.0	75.6	74.2	69.4	54.9	45.2	37.8	55.1	98	6	Apr. 4	Oct. 2
Taylorsville	34.2	34.8	51.1	58.6	66.3	73.3	77.9	75.0	69.4	54.7	46.0	39.0	56.5	100	6	May 1	Oct. 2
West Liberty	34.2	35.4	51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Kentucky—Continued.																	
*Williamsburg	35.0	36.0	56.8	59.2	67.0	73.6	75.8	76.0	70.6	58.4	50.2	42.6	58.4	95	6	Apr. 4	Oct. 25
*Williamstown	31.6	30.0	47.4	53.3	64.4	70.2	74.7	75.2	72.4	58.0	45.7	36.2	54.9	98	2	May 1	Oct. 29
Louisiana.																	
Abbeville	51.5	54.4	68.6	74.2	75.8	81.4	80.4	82.2	77.4	64.8	62.0	57.5	69.2	96	24	Feb. 21	Nov. 14
*Alexandria	.....	.....	.....	.....	74.4	81.4	81.8	a81.2	77.6	62.2	59.2	54.0	.....	98	22	.....	Nov. 14
*Amite	50.8	52.6	66.6	71.9	73.2	79.4	79.6	80.5	76.0	61.8	59.8	55.2	67.3	96	22	Feb. 27	Oct. 25
*Baton Rouge	49.2	51.8	65.2	71.2	73.0	79.4	79.2	80.0	b76.6	c63.2	58.5	53.8	66.8	99	22	Feb. 23	Nov. 15
Burnside	51.8	a54.2	68.6	73.1	b73.9	79.2	79.1	80.2	j76.3	b62.8	d60.4	59.2	68.2	94	24	Jan. 24	Nov. 15
*Burrwood	54.8	56.0	66.8	72.4	75.8	81.2	82.2	83.0	79.6	71.2	67.2	63.7	71.2	94	35	.....	.....
Calhoun	.....	.....	.....	69.0	71.6	79.4	80.6	80.1	a75.0	60.7	58.9	52.0	.....	98	.....	.....	Oct. 29
Cameron	52.6	54.4	67.0	72.8	75.4	82.2	80.8	82.0	77.5	67.1	62.8	58.2	69.4	93	28	Feb. 20	Nov. 15
*Cheneyville	46.5	52.2	69.1	.....	73.8	81.2	82.0	81.4	76.6	60.8	59.7	54.4	.....	99	20	Jan. 18	Oct. 28
*Clinton	51.7	52.0	67.6	70.7	72.8	79.0	78.6	79.0	75.6	a62.1	60.9	56.6	67.2	92	24	Feb. 23	Oct. 29
Collinston	a45.5	49.4	.....	70.4	74.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Feb. 26	.....
*Covington	50.0	52.2	68.4	73.2	75.0	80.5	80.2	81.2	76.9	64.3	a61.0	a55.6	68.2	98	27	Feb. 21	Nov. 15
Dodson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54.0	.....	.....	.....	.....	Nov. 15
*Donaldsonville	.....	57.0	.....	71.9	75.3	81.2	80.2	81.6	77.6	a65.3	61.6	57.8	.....	98	.....	Feb. 21	Nov. 15
Farmerville	d48.3	a50.3	b65.2	a69.1	72.8	c78.2	a79.4	e79.2	e74.9	f58.1	c57.3	c46.3	65.0	97	22	Mar. 21	Oct. 24
Ferriday	50.8	52.0	64.9	a70.0	73.4	79.8	82.2	e82.7	77.7	k64.4	.....	a57.2	.....	98	.....	Jan. 18	Dec. 23
*Franklin	52.5	55.6	69.8	75.2	77.5	83.0	81.4	83.1	78.4	65.2	62.0	58.5	70.2	98	26	Feb. 21	Nov. 15
*Grand Cane	47.8	79.4	64.6	69.7	72.6	80.0	81.2	80.6	75.7	61.8	56.8	51.2	66.0	99	22	Jan. 19	Oct. 24
Grand Coteau	52.8	55.2	68.5	72.6	75.0	81.1	81.4	83.0	78.8	65.4	62.1	58.4	69.5	99	25	Feb. 21	Nov. 14
Houma	51.1	53.8	68.1	73.2	75.8	81.2	a79.8	81.0	76.8	63.4	60.8	58.2	68.6	95	27	Feb. 21	Nov. 16
Hudson	.....	a52.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Jennings	50.6	53.8	a67.4	72.2	74.2	81.4	81.0	82.0	77.0	64.6	61.2	56.4	68.5	96	26	Feb. 21	Nov. 15
*Lafayette	50.9	53.2	68.0	72.8	73.8	80.0	79.5	81.6	77.2	64.2	61.4	56.4	68.2	97	25	Feb. 23	Nov. 15
*Lake Charles	50.8	54.0	66.4	71.0	72.6	80.5	80.8	80.2	76.4	64.4	60.5	52.4	67.5	100	25	Feb. 22	Nov. 15
Lakeside	a53.0	52.8	67.5	72.4	74.9	81.2	81.1	82.7	77.4	66.1	a62.7	58.4	69.2	97	28	Feb. 20	Nov. 14
Lawrence	52.8	53.6	67.8	73.5	77.0	82.4	81.8	f82.2	77.8	66.2	62.6	59.0	69.7	101	30	Feb. 21	None.
Liberty Hill	49.8	49.8	65.6	70.1	73.8	80.0	80.9	81.5	75.2	61.8	59.6	53.4	66.8	100	20	Feb. 27	Oct. 24
*Melville	52.9	53.8	68.9	72.9	76.2	82.2	81.6	82.1	78.2	63.4	60.5	56.4	69.1	102	24	Jan. 18	Nov. 15
*Minden	45.9	c47.6	64.0	68.2	72.0	79.0	80.7	80.4	75.2	60.4	55.6	46.9	64.7	101	18	Feb. 27	Oct. 24
*Monroe	50.0	a52.8	64.9	a71.5	72.9	a79.3	81.6	80.5	76.9	62.4	59.6	54.8	67.3	102	23	Feb. 21	Nov. 12
Newellton	48.6	51.0	66.6	70.2	72.4	79.8	79.8	79.2	74.8	59.5	59.2	53.8	66.2	94	20	Mar. 21	Oct. 29
New Iberia	.....	56.2	69.1	74.4	f76.4	82.2	81.5	82.3	78.2	65.4	63.4	60.0	.....	96	.....	Feb. 21	Nov. 15
*New Orleans	53.4	55.4	68.6	73.8	75.9	81.2	81.2	82.5	77.9	67.7	63.8	59.8	70.1	94	32	Jan. 24	None.
*Opelousas	51.2	53.6	69.0	74.0	75.8	82.8	82.0	81.2	78.3	63.1	60.4	55.7	68.9	104	24	Feb. 22	Nov. 14
Plaindealing	48.2	48.7	64.0	68.8	72.6	79.4	.....	.....	76.2	62.6	57.3	51.3	.....	101	19	Feb. 27	Nov. 14
*Rayne	52.5	54.6	67.9	72.5	75.0	81.6	81.4	81.4	77.2	64.8	e62.0	57.2	69.0	96	25	Feb. 20	Nov. 14
Reserve	b54.5	a53.0	a67.2	72.0	73.8	80.0	78.6	a82.6	74.6	63.4	58.2	53.3	67.6	100	28	Feb. 24	Nov. 14
*Robeline	48.2	a50.4	c63.6	69.8	73.8	80.0	79.8	a79.4	74.8	58.8	58.0	51.6	65.7	99	17	Feb. 20	Oct. 24
Ruston	48.4	51.2	b64.7	69.4	71.8	77.8	80.4	80.5	76.1	a62.6	60.0	53.2	66.3	.....	20	Feb. 27	Oct. 24
*Schriever	53.2	56.2	68.6	b73.4	75.8	81.2	81.4	82.8	78.6	65.6	62.2	59.8	69.9	99	25	Feb. 21	Dec. 23
*Shreveport	48.4	49.8	64.9	69.0	73.0	80.2	81.6	81.6	76.0	63.2	59.2	51.8	66.6	97	23	Feb. 20	Nov. 14
St. Francisville	.....	a54.4	67.3	c71.7	74.4	81.7	81.4	81.4	76.0	63.6	59.6	55.2	.....	97	27	Feb. 21	Nov. 16
Sugartown	51.6	53.0	67.0	71.4	a74.2	.....	80.3	79.9	76.8	c63.8	61.0	a61.2	.....	.....	25	Jan. 20	Nov. 15
Tallulah	46.8	49.5	a65.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Feb. 26	.....
Maine.																	
Bar Harbor	24.8	21.2	31.7	40.0	51.9	62.3	66.9	63.0	60.7	51.0	38.6	26.6	44.9	95	−11	May 7	Oct. 5
Cornish	21.2	18.0	30.6	40.2	57.2	67.1	72.7	66.2	64.4	51.4	35.2	21.8	45.5	97	−16	May 3	Oct. 5
*Eastport	22.9	20.6	28.7	37.0	48.9	57.0	62.4	60.8	58.6	50.6	38.4	24.2	42.5	86	−11	Apr. 23	Oct. 31
Fairfield	21.6	17.0	30.0	40.0	56.3	66.0	71.6	66.1	62.5	51.6	35.1	19.8	44.8	97	−17	May 7	Oct. 5
Farmington	20.2	15.5	28.6	39.5	55.9	64.4	70.8	63.8	61.4	50.2	33.7	18.2	43.5	96	−28	June 3	Sept. 20
Gardiner	25.3	19.3	31.6	42.0	55.9	65.1	71.2	65.8	62.6	51.5	37.2	22.8	45.9	98	−17	May 7	Sept. 20
*Greenville	14.2	11.6	22.8	33.5	50.4	60.4	66.5	60.0	58.0	45.8	30.8	13.9	39.0	90	−20	June 5	Sept. 15
Houlton	23.5	.....	25.5	35.8	52.0	63.0	68.9	63.6	60.3	49.1	33.7	16.1	.....	100	−22	May 31	Sept. 15
Lewiston	22.8	17.7	30.0	40.4	56.7	66.9	72.2	67.0	64.2	52.2	36.6	21.2	45.7	96	−14	Apr. 22	Oct. 12
Madison	17.2	12.2	25.0	37.4	54.6	64.0	70.6	64.6	61.8	49.0	32.3	16.4	42.1	95	−33	May 9	Oct. 5
Mayfield	17.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Millinocket	16.8	13.8	25.0	38.8	55.4	66.3	71.7	64.8	61.8	49.2	33.6	15.5	42.7	99	−20	May 16	Sept. 15
North Bridgton	22.3	18.3	30.8	40.8	57.8	66.6	72.6	66.4	65.0	52.2	36.4	22.5	46.0	98	−20	May 4	Oct. 5
Orono	22.5	17.4	29.6	40.0	55.1	65.1	71.2	65.6	62.6	51.0	35.6	20.3	44.7	97	−24	May 16	Sept. 15
Patten	.....	.....	.....	.....	.....	.....	68.2	61.8	58.8	.....	.....	15.0	.....	94	.....	.....	Aug. 29
*Portland	25.8	21.4	32.3	40.6	54.4	64.6	69.8	65.4	62.6	51.6	37.8	26.4	46.1	98	− 5	Apr. 21	Oct. 5
Rumford Falls	18.9	16.5	28.6	39.2	56.6	65.3	71.4	64.8	62.6	50.2	34.0	18.8	43.9	97	−14	May 4	Oct. 5
Van Buren	11.6	11.6	19.8	28.4	52.2	60.4	67.5	61.5	59.3	45.8	27.0	6.6	37.6	97	−39	June 23	Aug. 28
Winslow	22.2	17.2	30.0	35.6	55.2	64.9	71.1	.....	63.1	50.8	34.8	20.2	.....	97	−17	May 8	Oct. 1
Maryland.																	
Annapolis	34.4	29.4	44.6	54.4	64.4	72.2	78.2	73.6	67.8	59.2	46.0	37.8	55.2	96	10	Apr. 5	Nov. 2
Bachman's Valley	31.6	27.2	42.8	51.9	62.7	70.4	75.4	a70.0	63.1	56.0	41.1	32.6	52.1	96	− 1	Apr. 17	Oct. 13
*Baltimore	35.0	31.2	47.1	56.5	65.1	73.6	79.0	74.2	68.4	59.8	46.4	37.9	56.2	98	9	Apr. 4	Nov. 2
Cambridge	35.0	32.8	49.1	57.8	67.1	74.0	80.6	74.6	68.5	61.0	47.8	39.0	57.3	100	9	Apr. 17	Nov. 5
Cheltenham	34.0	30.3	47.1	55.6	64.6	71.2	a77.6	72.2	66.6	58.6	46.2	37.4	55.1	98	4	Apr. 5	Nov. 1
Chestertown	33.8	30.5	45.8	54.8	64.2	71.4	78.2	72.3	65.0	59.0	45.2	36.9	54.8	96	3	Apr. 17	Oct. 13
Chewsville	30.8	26.4	44.2	52.4	62.0	69.0	75.6	70.8	65.0	55.0	41.9	34.4	52.3	101	−10	Apr. 20	Oct. 3
Clear Spring	30.0	e25.5	43.8	54.0	62.6	68.8	75.2	70.8	65.3	55.0	42.7	32.6	52.2	98	1	Apr. 17	Oct. 13
Coleman	.....	.....	.....	a55.7	64.4	72.8	79.0	73.2	67.6	60.2	45.4	36.4	.....	99	.....	Apr. 17	Nov. 5
College Park	31.4	28.6	45.4	53.6	64.8	a59.4	b76.4	71.9	.....	e55.8	e44.6	a36.2	.....	102	− 8	Apr. 22	Oct. 3
Darlington	b32.2	b27.1	b44.1	b54.2	a63.0	e71.5	.....	71.0	65.6	57.8	42.4	a34.2	.....	.....	1	Apr. 17	Oct. 31
Deer Park	a24.5	24.0	d41.2	b50.6	b56.4	a62.6	67.6	a64.5	a59.3	a49.5	38.4	a31.7	47.5	90	−17	May 3	Sept. 16
Denton	34.3	32.1	47.2	55.4	65.4	71.2	78.1	72.0	66.0	59.3	46.0	36.8	55.3	100	5	Apr. 17	Oct. 3
Easton	35.8	32.1	47.2	55.6	65.0	70.9	77.8	71.6	65.2	58.7	46.8	37.4	55.3	96	6	Apr. 17	Nov. 5
Emmitsburg	32.4	27.2	44.3	54.2	63.8	72.0	76.9	71.8	67.1	58.4	44.4	36.4	54.1	98	3	Apr. 17	Oct. 31
Fallston	32.5	28.3	44.2	53.3	62.4	69.6	75.8	71.0	65.8	58.2	43.5	35.0	53.3	96	3	Apr. 17	Oct. 13
Frederick	33.4	28.6	46.0	55.2	64.6	71.6	77.6	73.0	66.0	a56.6	44.0	35.2	54.3	100	− 2	Apr. 17	Oct. 12
Frostburg	b28.9	24.9	b43.6	a52.2	59.9	e68.6	73.1	e70.2	66.4	54.3	44.2	34.4	51.7	94	1	Apr. 21	Sept. 30

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	*Min.*		
Maryland—Continued.																	
Grantsville	a26.2	23.6	a42.2	48.0	a56.8	63.8	68.9	64.8	61.6	50.4	41.0	31.6	48.2	89	−11	May 3	Sept. 30
Great Falls	33.0	29.6	47.2	57.8	65.0	71.0	77.2	71.8	66.0	57.7	44.8	36.0	54.8	100	3	Apr. 17	Oct. 3
Green Spring Furnace	31.0	26.8	44.7	53.7	62.5	70.3	76.0	71.8	66.0	a55.8	42.3	34.8	53.0	101	− 1	Apr. 17	Oct. 3
Jewell	35.0	f31.3	48.0	e55.8	e64.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	Apr. 4	.....
Keedysville	33.2	28.6	46.2	55.0	64.3	71.2	77.2	72.6	66.5	57.3	44.2	34.4	54.2	100	− 6	Apr. 22	Oct. 3
Laurel	33.0	29.8	45.8	54.5	64.3	71.5	78.4	72.5	65.8	57.8	43.8	34.7	54.3	100	− 8	Apr. 22	Oct. 13
Monrovia	33.2	28.6	45.6	54.6	63.7	71.4	76.6	72.1	66.6	57.2	44.9	35.8	54.2	100	0	Apr. 17	Oct. 13
Oakland	24.6	24.1	41.4	48.8	56.6	62.8	68.2	64.8	60.4	49.4	38.4	31.4	47.6	90	−21	May 3	Sept. 17
Ocean City	.....	33.8	b44.8	c55.3	63.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 5	.....
*Pocomoke City	36.8	a35.0	48.8	57.3	65.4	71.6	78.3	74.1	67.8	61.0	49.8	42.2	57.3	93	10	Apr. 22	Nov. 2
Porto Bello	.....	33.8	49.5	57.8	66.2	72.9	79.6	74.8	68.4	60.6	49.0	41.2	.....	98	.....	Apr. 4	Nov. 2
Princess Anne	35.4	33.9	47.9	55.0	64.8	69.6	77.4	72.0	65.3	58.4	46.6	38.4	55.4	92	10	Apr. 22	Oct. 3
Rockville	33.8	29.5	47.0	c54.2	e62.1	c71.3	76.0	71.0	65.8	57.9	45.0	b35.0	54.0	94	2	Apr. 17	Oct. 31
Salisbury	35.6	34.1	48.5	56.6	66.7	71.6	78.6	73.2	67.2	60.2	47.4	39.7	56.6	99	9	Apr. 22	Oct. 13
Solomons	35.8	33.0	47.6	56.6	65 4	72.4	78.7	74.6	68.4	60.6	48.2	39.6	56.7	96	14	Apr. 4	Oct. 2
Sudlersville	34.3	31.0	46.6	55.0	64.7	72.2	78.4	71.9	66.7	a58.9	45.4	36.2	55.1	100	0	Apr. 4	Oct. 13
Takoma Park	32.5	29.0	45.9	54.4	63.2	70.2	76.1	71.1	64.7	56.8	44.4	34.5	53.6	96	3	Apr. 18	Nov. 1
Taneytown	32.0	26.2	43.8	52.3	62.6	69.6	76.0	70.8	64.6	55.3	41.6	33.2	52.3	98	−15	Apr. 17	Oct. 3
Towson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Oct. 13
Van Bibber	.....	.....	.....	.....	.....	.....	.....	.....	.....	d58.0	e44.0	.....	.....	.....	.....	.....	.....
Westernport	30.3	27.8	44.5	a54.2	62.0	69.4	74.3	71.2	66.8	54.6	43.4	35.5	52.8	99	− 6	Apr. 22	Oct. 3
Woodstock	34.5	31.2	47.8	56.1	63.8	e71.6	.....	73.4	66.2	59.2	44.4	36.6	.....	96	3	Apr. 17	Oct. 3
Massachusetts.																	
Amherst	25.8	20.6	34.9	46.0	59.6	67.2	72.8	67.0	64.2	52.3	38.6	27.6	48.0	96	−12	Apr. 21	Oct. 3
Blue Hill	27.5	24.0	35.9	45.1	57.5	67.2	72.3	66.6	63.6	55.3	39.4	29.6	48.7	97	− 5	Apr. 21	Oct. 21
*Boston	31.0	26.7	38.6	46.8	59.0	69.8	74.2	69.4	65.8	55.4	43.6	33.3	51.1	97	− 2	Apr. 21	Nov. 1
Chestnut Hill	29.6	25.8	38.3	47.4	60.1	69.6	76.0	69.4	65.3	55.2	41.4	31.8	50.8	101	− 3	Apr. 21	Oct. 12
Clinton	26.4	20.8	33.5	44.2	58.3	67.8	73.4	66.5	63.4	52.0	38.3	27.8	47.7	95	− 7	Apr. 22	Oct. 6
Concord	27.1	22.9	35.5	44.4	57.4	66.2	71.8	65.3	61.6	51.0	38.4	27.6	47.4	97	− 6	May 4	Sept. 16
Fall River	30.0	25.9	37.5	45.6	57.8	67.4	72.6	68.3	63.3	55.0	41.8	32.4	49.8	92	− 1	Apr. 21	Nov. 1
Fitchburg	26.7	22.2	35.2	45.6	58.9	68.5	73.7	67.0	64.8	53.6	39.0	28.4	48.6	98	−10	May 3	Oct. 13
Framingham	27.7	22.6	35.8	45.2	57.8	66.8	72.3	66.0	61.4	52.8	40.2	30.2	48.2	99	−10	Apr. 25	Oct. 3
Groton	24.5	19.4	33.7	43.2	58.3	66.0	72.6	64.4	61.8	50.3	.....	24.3	.....	97	−12	Apr. 22	Sept. 16
Holyoke	26.3	.....	.....	.....	.....	.....	73.0	67.9	.....	52.4	.....	.....	.....	95	.....	.....	.....
Hyannis	30.5	26.2	37.0	44.0	55.8	65.2	72.3	67.6	62.3	54.8	43.2	34.4	49.4	93	0	Apr. 21	Oct. 31
Lawrence	27.8	23.2	35.8	45.0	58.4	68.6	73.5	68.0	64.1	52.8	39.2	28.1	48.7	98	− 7	Apr. 21	Oct. 13
Lowell	29.0	24.5	37.0	46.4	60.4	70.2	75.6	69.8	66.0	54.6	39.8	29.5	50.2	96	− 6	Apr. 21	Oct. 13
Middleboro	29.8	26.4	37.3	45.6	58.1	65.6	72.0	66.6	62.0	53.0	40.8	32.0	49.1	94	− 1	June 3	Oct. 3
Monson	26.7	22.4	35.0	45.5	58.6	65.5	71.2	65.2	61.8	51.6	.....	29.2	.....	92	− 8	May 5	Sept. 16
*Nantucket	32.8	28.4	37.3	43.7	54.0	63.2	71.0	67.0	63.2	57.0	45.5	37.0	50.0	89	3	Apr. 21	Nov. 5
New Bedford	31.6	27.0	39.0	45.8	58.6	.....	73.2	.....	63.8	55.8	43.3	32.2	.....	92	1	.....	.....
Norfolk	27.6	25.3	35.8	45.2	58.3	65.4	73.5	68.6	61.6	53.3	40.9	28.1	48.4	98	− 8	May 4	Sept. 15
Northampton	.....	.....	.....	43.4	57.4	67.0	73.2	66.6	61.6	53.0	37.1	28.8	.....	95	.....	May 5	Oct. 13
Plymouth	29.2	25.3	36.8	44.8	57.0	66.1	71.7	67.1	.....	52.8	41.4	33.0	.....	91	− 1	Apr. 22	Oct. 13
Provincetown	30.6	26.2	36.6	44.3	56.5	67.8	74.0	69.8	64.4	56.2	43.8	36.0	50.5	98	3	Apr. 20	Nov. 2
Rockport	31.4	26.4	36.2	43.1	55.1	65.0	69.2	65.4	63.2	54.4	42.0	33.4	48.7	90	0	Apr. 21	Oct. 12
Rutland	22.2	18.4	31.2	40.8	55.3	65.8	70.5	64.8	62.3	53.2	37.3	25.4	45.6	92	−12	May 3	Oct. 2
South Egremont	24.4	17.8	32.4	42.6	57.7	64.6	69.9	63.3	59.4	47.6	36.0	26.0	45.1	92	−18	May 5	Sept. 16
Turners Falls	28.0	19.3	33.8	44.3	59.5	67.6	73.0	66.0	62.3	51.8	37.9	26.6	47.5	93	−17	Apr. 21	Oct. 13
Westboro	27.8	24.8	37.8	48.1	60.9	69.1	74.7	68.8	64.5	54.4	40.5	31.3	50.1	98	− 7	Apr. 21	Oct. 3
Williamstown	24.8	19.0	33.4	43.8	58.2	64.6	70.5	65.0	61.8	50.8	38.4	26.8	46.4	89	−19	May 5	Oct. 3
Worcester	27.6	23.1	36.1	45.6	59.4	69.0	73.0	68.4	65.0	55.2	39.7	29.8	49.3	96	− 7	Apr. 21	Oct. 13
Michigan.																	
Adrian	26.6	21.4	38.2	.....	61.3	68.3	b74.6	70.4	a68.0	51.9	39.6	29.4	.....	100	−11	May 3	Oct. 1
Agricultural College	23.8	21.6	34.8	44.6	59.6	.....	73.2	68.4	66.4	51.6	38.2	26.4	.....	97	−11	May 5	Oct. 2
Allegan	25.4	a23.4	36.8	47.6	59.2	67.6	71.4	67.7	65.2	51.8	41.4	27.8	48.8	96	−10	May 3	Oct. 2
Alma	22.6	18.6	32.8	44.8	57.4	66.8	70.6	66.8	65.8	51.4	37.8	24.7	46.7	96	−16	May 5	Oct. 2
*Alpena	21.2	17.0	27.2	39.6	51.4	61.8	67.0	64.0	61.0	49.6	37.6	24.3	43.5	94	−13	May 4	Oct. 3
*Ann Arbor	23.0	20.9	35.4	46.2	58.2	66.8	72.7	68.2	67.2	52.1	38.8	27.4	48.1	97	− 8	May 5	Oct. 2
Arbela	22.6	18.6	33.8	45.3	57.8	66.6	71.9	68.4	68.2	52.8	38.7	25.8	47.6	99	−17	May 5	Sept. 3
Ball Mountain	22.8	20.6	33.4	43.4	57.4	65.4	70.8	66.7	66.2	51.4	38.0	26.9	46.9	95	−14	May 3	Oct. 2
Baraga	.....	.....	22.3	40.3	.....	.....	.....	.....	57.0	.....	.....	.....	.....	.....	.....	.....	Sept. 14
*Battle Creek	23.8	20.8	36.6	47.4	59.0	67.6	72.8	69.1	67.6	52.2	39.7	28.4	48.8	96	−12	May 3	Oct. 2
Bay City	22.4	18.2	30.9	43.2	57.4	68.5	72.1	68.9	67.8	52.8	39.0	26.1	47.3	97	−12	May 5	Oct. 3
Benzonia	b22.4	b19.2	f30.4	a41.4	d55.4	.....	.....	.....	.....	.....	a37.2	25.4	.....	.....	− 3	May 5	.....
Berlin	c21.0	c18.1	c33.0	42.4	56.6	a65.4	70.3	67.0	65.0	c49.6	a37.8	25.0	45.9	99	−14	May 10	Oct. 2
Big Rapids	22.1	18.5	31.8	44.0	56.6	65.4	69.6	66.6	64.7	49.9	36.9	23.8	45.8	96	−17	May 5	Sept. 3
Blaney	14.2	.....	16.5	.....	52.0	59.1	64.8	61.4	.....	.....	35.4	12.8	.....	.....	.....	June 14	Sept. 28
Bloomingdale	26.9	23.4	36.9	47.2	58.1	67.4	73.4	69.8	67.0	53.0	39.6	29.4	49.3	98	− 5	May 3	Sept. 29
Calumet	19.0	15.8	22.1	37.8	49.6	61.0	65.0	63.0	62.7	48.2	33.5	19.8	41.5	88	−14	May 12	Sept. 30
Cassopolis	23.8	21.6	35.6	47.6	59.4	68.0	73.4	69.8	68.4	55.0	40.6	29.8	49.4	95	− 2	May 2	Oct. 1
Charlevoix	23.4	19.6	24.8	42.3	a56.8	66.4	68.9	67.6	66.4	52.6	c40.6	27.6	46.4	93	−15	May 1	Oct. 11
Charlotte	24.4	21.0	37.0	47.0	58.3	67.2	71.4	67.2	65.6	51.8	39.6	29.3	48.3	95	−19	May 11	Sept. 3
Chatham	18.0	16.7	21.7	36.6	49.7	60.5	63.8	61.1	60.1	47.8	33.8	19.6	40.8	90	−33	June 15	Sept. 3
Cheboygan	a24.9	16.4	26.6	43.0	54.7	.....	70.4	66.0	64.2	53.2	38.6	24.2	.....	96	−16	May 10	Oct. 2
Clinton	25.2	21.6	37.4	46.8	59.4	67.4	a73.0	68.3	66.4	51.8	39.0	28.2	48.7	98	−14	May 4	Oct. 3
Coldwater	26.2	22.6	38.8	48.8	60.4	67.5	73.4	70.2	b69.2	a53.7	40.8	29.4	50.1	96	−10	May 3	Oct. 2
Concord	24.9	22.0	37.2	46.8	60.0	67.7	72.5	68.0	66.5	50.8	38.2	27.6	48.5	96	− 8	May 3	Oct. 2
Croton	25.5	21.2	34.6	45.8	58.1	67.4	71.4	68.2	66.8	53.4	38.8	26.6	48.2	98	−18	May 4	Oct. 2
Deer Park	22.0	15.7	23.8	36.0	47.6	.....	62.3	63.8	62.2	.....	35.8	23.4	.....	95	−13	May 8	.....
Detour	.....	.....	.....	.....	49.3	59.4	65.2	63.4	61.8	49.6	37.0	.....	.....	85	.....	May 3	Oct. 12
Detroit	25.9	21.8	36.1	45.4	59.2	68.2	72.8	69.7	68.6	53.8	40.3	29.8	49.1	95	− 2	May 2	Oct. 9
Durand	23.6	20.6	35.3	47.0	60.7	69.4	73.8	69.6	68.4	53.8	39.3	27.1	49.0	100	−15	May 5	Oct. 2
Eagle Harbor	b21.9	20.0	25.6	37.5	47.6	58.0	62.8	63.4	63.2	49.6	37.6	.....	.....	90	− 9	May 6	Oct. 2
East Tawas	b18.0	b16.1	b27.5	a40.2	a53.4	b64.2	b69.6	.....	66.6	.....	.....	25.8	.....	.....	−15	May 14	.....
Eloise	25.2	20.4	37.0	47.8	61.8	69.5	75.0	69.1	67.8	52.4	39.8	29.6	49.6	98	−12	May 3	Oct. 2
Escanaba	20.4	17.8	25.7	38.7	51.3	60.8	65.8	64.2	61.4	47.9	35.2	21.0	42.5	90	−12	May 1	Sept. 29
Ewen	16.2	15.8	20.8	39.6	51.6	61.6	a64.9	.....	60.8	47.5	33.0	17.3	.....	.....	−41	June 11	Sept. 29

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Michigan—Continued.																	
*Flint	23.9	19.4	34.2	43.9	57.6	a66.8	70.9	67.2	65.6	51.3	38.4	26.5	47.1	97	−22	May 5	Oct. 3
Frankfort	27.3	20.4	31.1	40.9	53.8	60.4	67.4	67.0	64.7	54.8	41.0	29.8	46.6	86	− 2	Apr. 30	.....
Ganges	.....	.....	.....	.....	.....	.....	.....	.....	.....	a53.0	41.2	30.4	.....	.....	.....	.....	.....
Gaylord	22.7	16.9	28.1	40.4	.....	67.4	.....	.....	.....	.....	.....	.....	.....	.....	−10	.....	.....
Gladwin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38.6	24.6	.....	.....	.....	.....	.....
*Grand Haven	27.0	22.6	33.6	43.4	55.4	64.2	69.8	66.4	65.2	51.4	40.4	29.5	47.4	90	0	May 2	Oct. 9
Grand Marias	21.5	.....	23.5	36.4	46.4	59.2	60.4	61.8	61.7	47.4	34.7	.....	.....	.....	.....	May 8	Oct. 12
*Grand Rapids	26.4	22.4	35.1	45.2	58.4	68.0	73.0	69.1	68.1	53.2	40.2	28.4	49.0	95	− 1	Apr. 30	Oct. 12
Grape	26.8	b22.1	38.4	47.3	59.6	a68.4	73.5	69.0	a66.4	52.2	40.2	29.8	49.5	98	− 7	May 3	Oct. 2
Grass Lake	24.4	20.7	36.0	45.8	58.8	67.2	71.6	68.4	67.4	51.8	39.4	27.8	48.3	98	−12	May 3	Oct. 2
Grayling	.....	14.4	28.6	42.4	57.8	.....	.....	65.8	66.0	50.8	36.0	22.4	.....	.....	.....	May 5	Sept. 3
Harbor Beach	22.0	18.5	31.6	43.6	53.6	64.0	b67.8	.....	65.2	51.2	38.6	26.1	.....	95	− 8	May 4	Sept. 30
Harrison	21.6	17.3	a30.5	44.2	f54.6	.....	71.9	65.6	66.2	49.7	37.3	24.2	.....	98	−16	May 3	Sept. 3
Harrisville	20.4	17.6	27.6	40.0	50.0	61.5	67.3	65.2	62.2	49.3	36.8	24.3	43.5	95	−16	May 5	Oct. 3
Hart	26.0	22.6	32.4	45.8	57.2	.....	73.4	65.0	.....	.....	38.4	27.4	.....	95	− 4	May 8	.....
Hayes	d21.6	16.4	30.4	b43.7	55.8	66.2	a70.0	66.8	66.2	52.1	38.2	26.8	46.2	95	−19	May 5	Oct. 3
Hillsdale	24.6	20.9	a37.2	47.4	59.1	67.2	72.4	69.0	67.2	51.4	38.8	27.3	48.5	96	− 9	May 3	Oct. 2
Holland	27.0	22.8	35.7	46.3	58.4	67.0	72.0	.....	.....	52.0	40.4	29.4	.....	.....	− 8	May 3	Oct. 2
*Houghton	19.2	17.2	23.6	37.9	50.4	61.9	66.0	64.0	62.6	49.6	35.7	21.0	42.4	92	−19	May 5	Oct. 2
Howell	21.6	17.5	33.8	44.2	a58.0	.....	73.2	.....	f67.8	.....	.....	.....	.....	.....	−14	May 3	Oct. 2
Humboldt	14.4	12.2	19.2	36.0	49.1	59.4	.....	.....	56.5	.....	28.4	k18.9	.....	.....	−41	June 15	Sept. 19
Iron Mountain	19.8	17.8	26.8	42.4	54.0	c63.2	a69.4	66.0	65.4	c49.1	33.9	18.6	43.9	95	−27	June 15	Sept. 29
Iron River	16.7	14.8	22.2	40.1	52.6	b60.4	b65.6	61.4	60.9	46.6	28.0	17.9	40.6	95	−32	May 6	Sept. 29
Ironwood	.....	.....	.....	41.8	51.8	62.4	66.4	63.6	63.2	48.3	32.4	17.4	.....	90	.....	May 7	Sept. 29
Ishpeming	.....	.....	.....	c40.4	c51.8	c63.0	c68.1	d64.1	a63.2	a48.2	d32.1	e17.8	.....	92	.....	June 15	Sept. 29
Isle Royale	.....	.....	.....	.....	.....	48.3	53.6	58.5	56.8	46.5	36.6	.....	.....	74	.....	.....	Sept. 3
Ivan	19.6	.....	27.2	41.7	55.5	64.4	67.5	65.3	65.9	50.4	36.4	21.8	.....	94	.....	May 5	Oct. 2
Jackson	26.0	22.0	37.2	48.0	b59.2	69.7	75.1	70.6	68.4	53.1	41.0	30.1	50.0	99	− 7	May 1	Oct. 2
Jeddo	22.5	17.9	31.7	43.0	56.6	65.4	70.6	67.4	67.5	52.0	38.7	25.0	46.5	96	−11	May 3	Oct. 3
Kalamazoo	c25.6	h18.6	a37.3	a46.8	a58.8	a67.2	72.5	69.6	a68.3	a53.4	40.4	d28.8	48.9	95	− 8	May 3	Oct. 2
Lake City	18.6	16.9	b28.2	.....	.....	c64.1	a69.6	65.4	66.0	50.0	.....	.....	.....	95	0	June 1	Sept. 2
*Lansing	24.6	21.0	35.6	46.8	59.1	67.8	73.0	68.8	67.4	52.6	39.6	27.8	48.7	97	− 6	May 3	Oct. 2
Lapeer	23.4	20.0	33.9	45.2	58.4	68.8	72.4	68.4	67.8	52.4	39.0	26.4	48.0	98	−22	May 5	Oct. 2
Ludington	d27.4	d23.4	e33.6	d43.2	f54.8	.....	f72.0	e65.4	d66.6	d54.4	e41.4	d30.0	.....	89	1	May 4	Oct. 2
Mackinac Island	17.7	14.7	21.6	.....	45.8	57.0	e63.8	.....	58.8	.....	.....	.....	.....	.....	−18	May 8	.....
Mackinaw	20.8	a11.8	c23.5	40.9	50.3	60.8	67.4	65.3	63.3	52.6	.....	25.6	.....	92	−14	June 11	Oct. 21
Mancelona	20.8	a18.2	27.2	41.3	55.4	65.7	68.9	66.0	65.8	51.0	36.0	22.8	44.9	94	− 8	May 10	Sept. 29
Manistee	20.0	20.5	30.3	41.6	54.7	60.6	68.4	64.0	63.5	.....	f39.0	27.1	.....	88	−13	May 4	Oct. 2
Maple Ridge	18.0	16.6	23.2	38.2	51.2	60.7	64.6	62.4	61.2	47.1	33.2	17.4	41.2	91	−28	May 14	Sept. 3
*Marquette	21.5	18.4	25.2	38.5	48.6	61.4	66.0	65.0	63.9	49.8	36.8	22.0	43.1	94	− 9	May 4	Oct. 2
Menominee	21.3	a18.6	29.2	a41.6	51.5	63.4	68.0	67.0	64.8	a50.2	a36.2	22.2	44.5	92	−17	May 3	Sept. 29
Midland	c22.4	.....	b32.6	46.4	57.2	69.4	72.6	69.8	e67.6	.....	a36.0	a24.4	.....	98	.....	.....	Sept. 3
Montague	26.6	22.3	32.0	42.8	55.9	64.6	a69.2	b64.4	65.6	50.3	39.1	27.3	46.7	88	− 3	May 5	Oct. 9
Morenci	26.8	22.6	40.0	49.0	60.2	67.4	72.6	68.4	67.1	52.4	40.0	30.2	49.7	95	−14	May 4	Oct. 2
Mount Clemens	24.8	19.4	34.4	44.9	57.2	66.5	70.5	67.6	66.6	51.0	37.6	27.6	47.3	98	−17	May 6	Oct. 2
Mount Pleasant	20.2	c17.0	30.4	42.2	55.5	65.8	.....	d68.3	a68.2	a52.5	37.6	24.2	.....	99	−21	May 9	Oct. 2
Muskegon	26.2	21.8	33.3	43.9	56.6	65.5	70.4	66.9	65.2	50.7	40.2	28.6	47.5	92	− 2	Apr. 19	Oct. 12
Newberry	17.8	14.6	16.0	.....	52.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	May 3	.....
Old Mission	a24.3	b20.6	28.7	a41.3	53.9	64.0	68.3	67.2	a67.2	a53.0	a39.2	26.2	46.2	91	− 3	May 6	Oct. 31
Olivet	23.8	20.6	34.6	45.7	57.8	67.0	71.8	67.2	66.0	51.2	37.8	27.8	47.6	93	− 7	May 3	Oct. 2
Omer	a18.8	b14.8	b29.8	43.4	a55.2	63.4	a67.9	63.2	a63.6	a50.2	b35.8	e19.2	43.8	99	−27	May 10	Oct. 3
Onaway	18.0	17.0	26.2	41.7	a54.4	66.5	68.0	65.0	67.0	.....	38.6	24.0	.....	94	−18	May 11	Sept. 3
*Ovid	.....	.....	.....	45.9	a58.6	68.2	72.8	68.5	67.5	.....	.....	.....	.....	100	.....	May 5	Sept. 3
Owosso	24.0	19.9	c34.6	45.8	59.0	68.4	72.2	68.1	67.6	52.8	38.8	26.8	48.2	96	−12	May 5	Oct. 2
Petoskey	b23.2	16.6	26.6	41.0	a54.5	63.2	67.5	66.2	64.4	54.3	39.4	25.5	45.2	94	−12	May 4	Oct. 31
Plymouth	25.0	20.6	37.2	45.9	a58.4	.....	.....	a68.7	.....	.....	.....	f27.2	.....	99	−13	May 5	.....
Pontiac	.....	20.8	35.2	46.9	60.8	69.8	74.4	70.0	67.6	52.2	40.4	28.6	.....	101	.....	May 3	Oct. 2
Port Austin	a23.4	17.4	30.6	43.0	54.5	a66.2	68.9	68.5	68.8	53.2	40.6	25.6	46.7	94	− 9	May 3	Oct. 2
*Port Huron	24.0	20.0	33.8	43.2	56.6	65.6	70.4	67.4	65.8	52.0	39.0	27.4	47.1	95	− 9	May 3	Oct. 2
Powers	17.8	16.8	25.8	37.8	.....	61.2	66.8	62.8	.....	46.6	.....	17.3	.....	92	−25	.....	.....
Reed City	.....	.....	31.4	.....	.....	.....	.....	.....	65.5	49.4	.....	.....	.....	98	.....	May 4	Oct. 2
Roscommon	a18.4	14.0	a26.5	40.2	b53.6	a63.6	66.2	d62.0	a61.9	a49.0	a36.0	d22.4	42.8	96	−23	June 16	Sept. 3
Saginaw	24.4	19.4	34.8	a46.2	58.8	69.0	a73.1	70.2	67.8	54.4	a39.6	27.5	48.8	98	−10	May 5	Oct. 3
Saginaw (W. S.)	23.8	19.8	34.2	45.9	59.0	68.6	a72.6	69.2	a67.2	52.8	39.3	26.6	48.2	99	−13	May 3	Oct. 2
St. Ignace	20.0	g12.4	21.8	39.0	49.2	59.6	65.4	64.6	63.4	52.3	.....	.....	.....	91	−20	May 5	Oct. 9
St. James	.....	17.3	25.5	38.8	52.2	.....	66.0	66.4	65.8	50.4	37.2	24.2	.....	88	.....	May 7	Oct. 1
St. Joseph	28.6	24.4	a36.0	b47.8	57.4	67.1	71.6	69.4	68.2	54.6	42.9	31.2	49.9	92	0	Apr. 17	Oct. 12
Saranac	25.3	21.4	34.6	46.0	58.3	a68.3	72.0	68.0	66.6	51.7	38.4	27.0	48.2	98	−13	May 3	Oct. 2
*Sault Ste. Marie	16.2	12.0	22.4	35.4	50.8	59.6	64.0	62.3	61.0	48.4	35.6	21.4	40.8	92	−25	May 10	Oct. 2
South Haven	26.6	20.6	32.3	41.8	54.4	63.5	68.2	65.0	64.1	52.8	40.4	31.8	46.8	88	− 8	May 4	Oct. 2
Stanton	e24.7	19.6	d32.2	c44.2	a55.8	.....	.....	d70.0	.....	f51.7	d39.4	a27.8	.....	.....	−10	May 14	.....
Thomaston	15.4	15.8	26.8	b41.4	a51.6	62.2	65.0	62.1	61.3	47.8	32.0	e18.4	41.6	90	−34	June 15	Sept. 3
Thornville	23.7	21.3	33.9	44.2	58.4	66.6	70.0	66.5	65.7	51.5	39.2	27.0	47.4	94	−22	May 5	Oct. 3
Traverse City	a26.4	22.2	32.2	.....	a54.0	a65.8	a69.0	b67.7	66.0	54.4	c40.4	d27.4	.....	93	−11	May 25	Oct. 12
Vassar	23.8	.....	36.8	.....	.....	.....	.....	.....	.....	.....	a40.3	.....	.....	.....	.....	.....	.....
Wasepi	26.8	21.1	37.8	48.3	59.4	67.0	71.6	68.4	66.8	51.6	40.2	28.8	49.0	94	− 7	May 3	Oct. 2
Webberville	26.0	21.1	35.2	46.2	58.3	67.6	72.4	68.4	67.2	52.7	39.2	27.1	48.4	96	−11	May 3	Oct. 1
West Branch	.....	.....	.....	b42.6	.....	a65.2	a71.8	a64.8	.....	b45.1	b34.6	e17.5	.....	96	.....	.....	Oct. 4
Wetmore	19.8	15.4	22.6	35.4	48.0	59.5	63.0	60.8	61.8	48.0	33.8	18.8	40.6	96	−28	June 30	Sept. 29
Whitefish Point	.....	.....	.....	a35.9	44.5	55.0	60.2	62.1	60.8	50.0	36.6	23.6	.....	84	.....	May 14	Sept. 29
Woodlawn	17.4	12.4	24.0	37.8	53.5	62.4	65.4	61.8	62.6	48.2	34.8	20.7	41.8	94	−24	May 10	Sept. 3
Ypsilanti	25.2	20.2	36.6	46.7	58.8	66.8	72.0	68.4	66.2	51.3	39.4	28.4	48.3	97	− 8	May 3	Oct. 2
Minnesota.																	
Albert Lea	20.2	21.4	32.7	47.9	57.0	64.6	72.0	68.3	67.3	48.7	35.0	21.2	46.4	97	−19	May 3	Sept. 28
*Alexandria	13.2	16.0	22.4	43.1	53.8	62.0	70.4	66.8	64.4	47.9	33.8	14.0	42.3	99	−31	May 6	Sept. 28
Angus	11.1	10.6	14.6	42.8	51.8	62.2	67.1	62.9	60.8	44.0	29.6	11.0	39.0	92	−37	June 14	Aug. 22
Bagley	11.5	12.4	18.9	42.0	50.2	60.6	67.5	62.0	60.0	44.6	30.6	11.2	39.3	97	−46	May 31	Sept. 29
Beardsley	17.8	16.5	25.9	46.2	54.8	61.8	.....	.....	.....	.....	.....	.....	.....	.....	−28	May 31	.....
Beaulieu	14.2	13.8	19.6	42.6	52.1	62.0	68.4	63.5	62.3	44.4	31.4	12.9	40.6	97	−31	June 10	Sept. 27
Bird Island	19.0	20.2	29.0	46.6	55.4	63.6	70.9	67.0	66.2	47.4	34.4	19.8	45.0	94	−26	May 6	Sept. 28

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.		Killing frost.	
													Mean.	Extremes.	Last in spring.	First in autumn.
														Max. Min.		
Minnesota—Continued.																
Black Duck	10.8	10.9	18.2	40.8	50.6	61.0	66.1	61.6	59.0	45.4	30.9	10.8	38.8	91 −33	May 31	Aug. 23
Caledonia	22.1	20.6	32.4	45.2	56.7	64.2	70.0	66.2	65.8	48.8	37.4	21.4	45.9	90 −12	May 4	Sept. 29
*Campbell	.....	.....	44.6	53 4	62.4	68.6	63.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Collegeville	18.8	19.6	27.4	45.7	53.8	62.5	71.0	66.8	65.2	47.2	33.7	18.1	44.2	98 −26	May 6	Sept. 29
*Crookston	11.6	11.7	17.0	42.2	52.0	63.4	70.0	64.0	61.0	44.3	30.1	12.2	40.0	95 −33	May 4	Sept. 29
*Detroit	11.1	12 0	19.9	42.0	51.0	60.2	68.2	62.9	60.2	43.0	31.0	10.0	39.3	98 −41	May 9	Sept. 28
*Duluth	14.9	16.2	23 2	38.8	47.6	56.6	63.6	62.1	60.4	45.8	32.4	16.0	39.8	92 −29	May 4	Sept. 28
Fairmont	.....	23.6	32 4	47.3	55.9	63.8	70.5	68.0	66.4	47.7	36.3	22 6	.....	92	May 3	Sept. 28
Faribault	19.4	20.9	30.2	46.2	54.8	63.3	69.9	66.9	66.5	48.0	34.8	20.3	45.1	94 −23	May 4	Sept. 29
Farmington	18.8	21.2	29.8	45.8	55.6	63.0	70.8	67.2	66.1	47.6	35.4	20.2	45 1	93 −26	May 4	Sept. 29
Fergus Falls	17.4	17.6	25.4	46.4	54.1	62.4	71.4	66.7	64.8	46.9	33.0	16.4	43.5	95 −26	May 5	Sept. 29
Floodwood	14.6	16.2	23.8	43.0	50.8	61.7	66.6	62.7	60.4	46.4	31.6	14.6	41.0	94 −37	June 1	Sept. 7
Fort Ripley	.....	.....	26.6	43.5	53.4	62.6	69.4	64.6	62.6	46.4	32.8	.....	.....	99	May 7	Sept. 28
Glencoe	19.4	21.5	29.8	48.4	55.8	63.9	71.3	67.4	66.6	47.8	35.4	20.0	45.6	93 −27	May 6	Sept. 29
Grand Meadow	19.5	20.6	31.6	44.6	56.1	63.9	72.0	68.0	66.6	49.5	36.0	21.0	45.8	95 −20	May 4	Sept. 29
Hallock	9.8	9.7	12.3	42.4	51.6	61.6	66.8	62.3	59.4	43.8	28.8	11.1	38.3	94 −38	June 14	Sept. 28
*Halstad	12.2	12.2	17.4	43.4	51.6	61.4	68.8	63.8	62.0	44.4	30.6	11.1	39.9	98 −31	June 14	Aug. 22
Hinckley	16.2	19.4	26.8	44.7	54.0	61.4	69.0	64.7	63.4	47.0	33.4	17.8	43.2	94 −33	May 31	Sept. 28
International Falls	10.0	12.0	.....	.....	.....	57.7	62.3	57.0	54.1	41.5	.....	9.5	.....	86 −37	June 10	Oct. 1
Lake Crystal	21.0	22.4	33.0	49.1	57.7	65.1	71.8	67.9	65.8	.....	.....	.....	.....	93 −20	May 3	Sept. 28
Lake Winnibigoshish	12.6	15.2	22.8	42.9	53.0	62.2	69.2	64.0	62.6	46.7	32.2	13.5	41.4	93 −37	May 5	Sept. 28
Leech Lake Dam	11.7	14.3	22.2	41.4	49.6	60.6	67.4	62.0	60.7	45.0	31.0	12.8	39.9	94 −40	May 31	Sept. 2
Litchfield	17.0	19.6	28.6	46.6	54.0	62.7	69.4	65.0	65.1	48.1	34.4	18.8	44.1	92 −29	May 7	Sept. 28
Little Falls	15.6	18.9	26.4	45.3	53.6	62.8	71.2	66.0	64.2	47.4	32.6	16.8	43.4	97 −30	May 5	Sept. 28
Long Prairie	15.1	17.3	26.0	45.5	53.6	63.0	69.4	65.4	64.4	47.0	33.7	15.7	43.0	96 −35	May 8	Sept. 29
Luverne	.....	19.7	32.0	47.0	55.5	63.6	69.8	.....	.....	.....	.....	.....	.....	.....	May 8	.....
Lynd (1)	.....	.....	.....	.....	.....	.....	69.0	66.8	66.0	46.2	.....	.....	.....	99	June 15	Sept. 27
Lynd (2)	19.0	19.9	29.4	46.0	53.6	62.4	68.6	64.6	65.0	44.9	33.6	21.6	44.0	96 −21	May 7	Sept. 27
McIntosh	9.8	11.2	16.4	44.9	50.6	.....	.....	.....	.....	.....	.....	.....	.....	..... −42	May 9	.....
Maple Plain	18.0	20.7	28.6	46.8	.....	.....	.....	.....	.....	.....	.....	19.4	.....	..... −27	.....	.....
Milaca	15.8	19.0	26.7	44.6	52.8	62.0	67.9	.....	.....	46.9	33.6	17.4	.....	93 −31	May 31	Sept. 27
Milan	16.2	17.6	26.4	46.8	54.4	62.4	69.2	64.8	65.7	46.6	36.6	17.2	43.7	96 −27	May 8	Sept. 27
*Minneapolis	19.8	21.4	29.3	46.7	56.2	65.1	72.6	69.0	68.0	49.1	36.2	21.0	46.2	94 −25	May 2	Sept. 29
Minneapolis	18.9	20.6	28.9	46.1	55.4	64.9	71.7	67.4	66.0	47.6	34.3	20.3	45.2	96 −25	May 3	Sept. 29
*Montevideo	20.4	20.2	29.3	47.8	56.0	64.0	72.2	68.2	66.5	48.2	36.4	19.5	45.7	98 −25	May 7	Sept. 28
*Moorhead	15.7	14.6	21.5	44.8	53.0	61.8	69.4	65.1	63.1	45.4	32.0	13.4	41.6	96 −29	May 4	Sept. 29
Mora	15.3	18.9	26.2	44.8	55.0	62.5	68.8	64.6	63.4	47.0	33.4	17.8	43.1	95 −31	May 30	Sept. 2
Morris	17.1	16.8	25.2	46.3	54.8	63.4	71.4	65.8	64.4	46.8	34.2	17.8	43.7	96 −29	May 7	Sept. 28
Mount Iron	11.6	14.4	22.2	41.8	51.1	59.3	64.8	60.5	59.6	44.9	28.5	12.4	39.3	92 −32	June 15	Aug. 24
New London	16.0	18.2	26.0	46.6	53.4	62.6	72.4	67.6	65.0	45.6	34.2	17.6	43.8	98 −28	May 7	Oct. 11
New Richland	19.8	20.9	31.2	45.8	54.6	63.8	71.5	69.4	68.6	49.5	35.0	20.8	45.9	95 −19	May 4	Sept. 28
*New Ulm	23.2	20.0	35.0	48.0	57.2	66.3	74.0	69.8	69.1	51.0	35.6	22.7	47.7	98 −21	May 3	Sept. 28
Osakis	14.6	16.7	24.6	44.8	.....	61.7	69.6	65.0	64.2	46.2	33.2	16.1	.....	95 −30	.....	Sept. 28
*Park Rapids	11.8	14.8	22.4	43.5	51.2	62.0	69.2	63.4	60.4	43.9	31.0	11.7	40.4	97 −39	May 7	Sept. 28
Pine River	11.9	15.6	23.2	42.0	51.5	61.7	68.8	63.8	59.8	45.4	32.0	13.6	40.8	95 −40	May 6	Sept. 7
Pipestone	21.1	18.2	28.4	47.1	54.8	61.8	68.5	65.5	65.8	.....	36.6	21.1	.....	93 −11	May 8	Sept. 27
Pokegama Falls	12.4	15.2	23.0	42.9	50.6	60.6	67.0	61.8	60.8	45.7	31.1	13.4	40.4	92 −42	June 14	Sept. 28
Red Lake	.....	.....	18.6	41.6	50.7	61.5	67.8	63.6	61.9	47.0	32.4	12.6	.....	92	May 8	Oct. 1
Red Wing	16.2	20.0	28.5	48.0	53.6	.....	70.4	69.8	67.5	50.0	.....	21.6	.....	95 −24	May 2	Sept. 29
Redwood Falls	21.2	22.1	31.4	49.2	56.8	65.2	72.4	68.9	67.8	50.1	36.2	22.3	47.0	97 −22	May 6	Sept. 28
Rochester	.....	.....	.....	.....	.....	.....	69.6	69.3	69.6	.....	.....	.....	.....	95	.....	Sept. 29
St. Charles	19.8	22.0	33.0	48.0	56.8	64.6	71.0	67.4	67.5	48.6	35.2	19.4	46.1	93 −20	May 9	Sept. 29
St. Cloud	14.6	20.6	28.0	47.6	55.0	63.0	71.4	67.2	65.8	48.4	36.5	18.4	44.7	96 −28	May 2	Sept. 27
*St. Paul	19.6	21.4	29.6	47.4	56.4	64.6	72.2	68.4	67.2	49.2	36.0	20.5	46.0	96 −24	May 3	Sept. 29
St. Peter	19.2	.....	32.6	48.6	57.3	65.4	72.8	69.2	68.8	50.9	38.0	20.0	.....	101 −22	May 3	Sept. 28
Sandy Lake Dam	14.9	17.5	26.0	44.0	51.7	62.0	67.8	63.9	62.2	47.2	33.2	16.4	42.2	94 −35	May 7	Sept. 29
Shakopee	19.0	21.4	30.7	48.0	56.6	64.8	71.8	67.9	68.2	48.7	35.4	20.2	46.1	96 −24	May 4	Sept. 29
Stephens Mine	11 8	13.6	20.0	39.8	50.2	59.2	65.0	60.3	59.1	44.3	29.0	12.5	38.7	90 −36	June 15	Aug. 19
Taylors Falls	17.0	15.8	29.4	48.1	56.5	63.8	71.2	67.7	67.0	48.8	35.3	18.5	44.9	93 −42	May 3	Sept. 29
Two Harbors	17.8	18.2	25.8	40.9	48.7	56.5	63.3	63.2	60.1	46.6	33.7	19.2	41.2	97 −30	May 6	Oct. 1
Wabasha	22.6	24.0	33.4	49.2	58.8	65.0	72.1	68.5	67.8	50.8	37.1	21.6	47.6	96 −20	May 3	Sept. 29
Walker	13.4	15.8	23.9	44.2	53.2	62.2	68.5	62.1	63.2	46.4	32.0	12.6	41.5	95 −37	May 7	Sept. 28
West Concord	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.8	20.9	.....	.....	.....	.....
Willow River	14.4	.....	25.6	41.9	48.8	59.0	67.2	62.0	.....	45.2	32.4	.....	.....	98 −39	June 15	.....
Windom	17.6	21.6	32.4	48.1	56.2	64.2	69.7	66.9	67.8	48.9	36.3	22.5	46.0	94 −20	May 3	Sept. 27
*Winnebago	20.0	22.0	32.4	47.3	57.6	65.5	71.6	68.6	67.0	48.3	36.8	21.4	46.5	96 −19	May 3	Sept. 29
Winona	21.8	23.4	35.2	49.4	59.6	67.4	73.4	.....	69.4	51.4	37.6	22.4	.....	96 −16	May 3	Sept. 29
*Worthington	18.8	17.0	30.0	45.2	54.3	62.0	68.2	65.3	64.8	45.0	34.4	20.5	43.8	92 −18	May 7	Sept. 28
Zumbrota	20.0	21.3	30.4	46.5	56.4	63.9	70.4	66.4	65.2	48.7	36.0	20.9	45.5	95 −23	May 4	Sept. 29
Mississippi.																
*Aberdeen	42.7	43.4	61.4	66.4	71.6	77.7	80.4	79.5	75.2	60.0	56.0	48.3	63.6	100 17	Apr. 4	Oct. 25
Agricultural College	44.2	45.6	62.8	67.5	72.4	76.0	81.1	80.0	76.6	61.0	58.6	46.1	64.3	 17	Mar. 21	Nov. 6
Anguilla	46.5	48.8	64.5	70.4	72.2	78.4	80.1	79.8	75.7	60.1	60.2	51.2	65.7	99 20	Feb. 27	Oct. 10
Austin	40.4	44.2	58.4	64.9	.....	77.6	80.6	79.4	74.0	59.0	55.7	46.7	.....	98 17	Apr. 4	Nov. 6
*Batesville	.....	.....	.....	66.6	71.4	78.0	80.9	80.8	75.8	59.9	56.5	46.4	.....	100 18	.....	Oct. 29
Bay St. Louis	52.1	53.8	67.8	73.8	73.6	80.1	80.0	83.1	77.6	64.8	61.4	58.4	68.8	95 28	Feb. 21	Nov. 16
Biloxi	52.2	53.6	68.6	74.2	76.8	81.8	81.2	82.6	77.6	66.6	62.9	59.2	69.8	97 27	Feb. 21	Nov. 16
Booneville	41.1	42.8	59.2	63.5	69.8	.....	78.2	77.8	73.5	58.5	55.0	46.5	.....	95 16	Mar. 21	Nov. 6
*Brookhaven	47.5	49.3	65.1	71.1	73.0	80.2	80.6	81.0	76.1	61.9	59.0	52.8	66.5	99 21	Mar. 21	Nov. 14
Canton	47.3	48.9	65.1	70.2	72.8	79.0	80.8	80.1	76.2	61.3	59.0	53.0	66.1	99 20	Mar. 21	Oct. 29
Clarksdale	44.4	48.2	61.8	67.8	71.3	77.8	80.4	79.1	74.1	58.8	56.4	49.4	64.1	99 17	Mar. 21	Oct. 10
*Columbus	42.4	42.9	61.6	66.8	71.8	78.6	80.7	79.4	75.2	59.6	56.4	48.2	63.6	99 18	Mar. 21	Oct. 25
*Corinth	39.6	40.9	57.4	63.8	70.0	75.6	78.2	78.0	72.1	57.9	53.5	44.5	61.0	93 15	Apr. 4	Nov. 6
Crystal Springs	46.6	47.9	63.8	69.5	71.6	78.7	80.8	79.6	76.4	62.0	59.4	51.8	65.7	98 22	Mar. 21	Oct 25
Duck Hill	44.2	45.9	62.2	67.6	71.3	78.7	80.6	80.3	74.7	58.6	58.0	50.2	64.4	103 16	Mar. 21	.....
Edinburg	45.8	46.2	64.2	68.9	71.0	78.0	79.9	79.2	74.8	59.0	56.2	50.6	64.5	100 19	Mar. 21	Oct 25
Edwards	48.9	51.4	66.0	70.9	72.8	79.6	80.8	80.0	77.2	62.5	60.0	54.0	67.0	100 21	Mar. 21	Oct. 25
Fayette	46.7	50.0	63.4	69.3	71.4	78.0	78.6	77.8	74.2	59.4	58.4	52.4	65.0	92 21	Mar. 21	Oct. 25
*Greenville	44.4	47.5	62.4	68.3	71.8	78.4	80.2	79.8	75.4	61.1	57.4	48.8	64.6	96 21	Mar. 21	Oct. 29
Greenwood	43.4	46.0	62.6	68.0	71.6	78.4	80.6	80.4	76.2	60.2	56.7	49.0	64.4	99 19	Mar. 21	Oct. 10

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Mississippi—Continued.																	
Hattiesburg	47.4	49.8	66.2	72.2	74.6	81.0	82.2	82.5	76.7	61.9	61.2	54.7	67.5	101	24	Feb. 23	Nov. 6
Hazlehurst	44.4	47.6	63.7	70.1	71.8	78.8	80.2	80.0	76.6	62.0	59.0	51.5	65.5	100	23	Mar. 21	Nov. 14
*Hernando	41.4	43.8	58.2	64.4	70.2	76.8	80.2	80.0	76.1	61.0	55.6	46.4	62.8	100	15	Mar. 21	Nov. 12
*Holly Springs	39.0	41.2	57.6	64.3	70.8	77.1	80.3	79.2	74.6	59.0	53.6	44.1	61.7	97	15	Mar. 21	Nov. 12
Indianola	.....	.....	.....	.....	.....	.....	79.0	79.4	75.2	59.8	57.6	51.6	.....	.....	.....	.....	Oct. 28
*Jackson	46.2	47.3	65.7	70.8	73.1	79.5	81.3	80.6	76.4	61.0	59.4	54.0	66.3	99	21	Mar. 21	Oct. 25
Kosciusko	43.4	44.4	61.8	67.6	71.4	78.0	79.3	78.6	74.4	59.0	56.6	49.8	63.7	97	18	Mar. 21	Oct. 25
*Lake	44.0	45.0	63.0	68.4	71.4	78.4	79.6	79.0	74.3	58.6	57.8	48.6	64.0	97	18	Mar. 21	Oct. 25
Lake Como	48.2	48.4	64.8	71.4	72.5	79.7	80.8	80.0	.....	61.2	59.2	53.6	.....	100	20	Mar. 21	Oct. 25
Laurel	51.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Leakesville	49.4	50.0	65.7	70.8	73.9	79.6	81.2	81.2	76.3	63.4	61.7	56.4	67.5	101	23	Feb. 28	Nov. 16
Louisville	45.5	45.3	62.2	66.8	71.0	77.0	79.4	79.2	76.0	61.0	58.4	51.1	64.4	97	18	Mar. 21	Nov. 6
McNeill	51.1	52.9	67.6	72.6	73.8	79.2	80.0	80.7	77.1	64.1	61.2	57.6	68.2	96	25	Feb. 23	Nov. 15
*Macon	42.4	43.1	61.9	66.8	71.7	78.4	80.4	79.7	74.9	59.4	56.6	48.5	63.6	98	19	Mar. 21	Oct. 25
Magnolia	50.8	51.6	66.9	72.3	73.0	79.6	80.1	80.7	76.7	63.6	59.7	55.5	67.6	98	22	Feb. 23	Oct. 25
*Meridian	45.8	46.2	64.0	67.6	72.0	77.6	79.3	78.8	74.3	59.6	58.4	51.6	64.6	95	20	Feb. 28	Oct. 25
Monticello	48.4	50.3	65.4	70.8	72.6	79.1	80.6	80.4	75.8	60.4	58.7	54.0	66.4	100	19	Mar. 21	Oct. 25
*Natchez	48.1	50.8	66.0	72.0	74.8	81.6	81.6	82.2	77.6	64.4	60.8	52.5	67.7	99	22	Feb. 22	Oct. 29
*Okolona	40.3	42.2	59.4	65.9	71.4	77.6	80.8	79.8	75.6	60.0	56.1	47.1	63.0	100	13	Apr. 4	Nov. 6
Pearlington	51.2	53.6	67.1	72.8	73.8	78.8	79.8	80.6	76.4	63.6	60.6	57.0	67.9	96	26	Feb. 21	Nov. 15
Pecan	51.0	52.2	65.9	71.4	74.2	78.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	Feb. 21	.....
Pittsboro	40.9	44.8	60.0	64.2	69.0	76.4	79.3	81.4	.....	60.0	54.7	47.6	.....	101	15	Apr. 4	Oct. 25
Pontotoc	43.3	43.9	61.2	65.3	70.2	76.2	78.8	78.6	74.0	60.5	57.2	47.4	63.0	97	16	Mar. 21	Nov. 5
Porterville	43.7	45.6	63.4	67.4	71.8	77.8	79.8	79.3	75.0	58.9	57.2	51.0	64.2	100	17	Mar. 21	Oct. 25
*Port Gibson	46.6	48.2	64.2	70.0	71.7	79.2	80.0	79.9	75.6	59.4	57.4	52.0	65.4	98	20	Mar. 21	Oct. 25
Ripley	41.5	43.2	59.6	64.6	.....	.....	.....	.....	73.4	57.6	54.6	44.6	.....	.....	14	Apr. 4	Oct. 25
Rosedale	45.0	48.9	62.8	68.4	72.2	79.0	81.6	81.0	75.4	60.3	57.6	48.8	65.1	97	19	Mar. 21	Nov. 6
Shoccoe	46.8	48.2	65.0	69.7	72.7	.....	80.4	78.8	75.4	60.0	59.0	52.4	.....	102	19	Mar. 21	Oct. 29
Suffolk	49.2	50.7	66.0	70.6	72.4	79.4	80.0	79.7	76.0	62.0	60.0	54.8	66.7	98	20	Feb. 23	Nov. 14
Tchula	43.4	46.6	63.5	67.2	70.2	76.9	80.2	80.2	77.4	60.9	59.2	52.4	64.8	.....	20	Mar. 21	Oct. 28
Tupelo	41.0	42.2	59.8	65.6	70.9	77.8	80.4	79.7	75.4	59.6	54.6	46.4	62.8	100	17	Apr. 4	Oct. 25
University	42.6	43.0	60.6	65.9	69.6	75.7	78.4	78.2	74.7	59.9	56.0	46.9	62.6	97	13	Mar. 21	Oct. 25
Utica	49.2	49.7	64.2	69.2	70.3	78.2	80.8	79.5	76.8	.....	.....	.....	.....	97	.....	Mar. 21	Nov. 14
*Vicksburg	48.7	50.2	64.9	69.2	71.8	78.7	80.1	80.2	76.4	63.0	60.2	53.4	66.4	96	24	Feb. 21	Nov. 12
Water Valley	43.6	44.7	61.4	66.0	71.2	76.4	79.4	80.0	75.8	61.4	58.0	48.2	63.8	100	16	Apr. 4	Oct. 25
*Waynesboro	46.9	47.1	.....	69.0	73.1	78.6	80.0	79.6	74.6	59.8	57.5	52.4	.....	98	22	Feb. 28	Oct. 25
Woodville	49.6	51.4	65.7	70.4	73.5	80.5	80.4	80.0	75.6	62.0	59.4	55.0	67.0	97	24	Feb. 21	Nov. 14
*Yazoo City	46.0	47.9	63.7	70.0	72.6	79.6	81.0	80.2	76.3	61.4	58.8	51.6	65.8	99	22	Feb. 27	Oct. 29
Missouri.																	
Appleton City	34.9	40.0	50.5	56.2	67.4	74.0	78.3	d78.7	72.4	58.8	47.6	39.6	58.2	99	− 2	Apr. 30	Sept. 28
Arthur	37.0	37.8	50.4	56.6	66.2	73.3	76.0	76.4	71.3	57.0	48.3	38.7	57.4	98	0	Apr. 30	Sept. 28
Avalon	32.4	31.8	46.0	55.4	64.1	70.4	76.0	75.1	72.6	55.7	45.3	35.4	55.0	98	− 1	Apr. 30	Sept. 28
Belle	a33.1	a34.8	48.8	55.5	a65.8	c70.6	a75.5	a75.6	a70.2	a56.0	b47.4	39.8	56.1	100	4	Apr. 30	Oct. 30
Bethany	31.0	31.4	44.6	54.8	63.0	67.8	72.4	73.2	67.4	52.6	44.9	34.7	53.2	93	− 2	May 2	Sept. 28
Birchtree	36.4	38.1	53.4	57.6	b67.0	72.0	75.8	75.4	c70.0	c57.6	b48.4	b41.8	57.8	95	4	Apr. 30	Oct. 28
Bolivar	35.4	37.8	52.0	55.6	66.6	72.0	75.4	76.6	70.2	56.4	47.8	39.6	57.1	97	2	Apr. 30	Sept. 29
*Brunswick	31.4	31.2	46.2	54.2	63.6	71.5	76.8	75.9	70.8	55.3	44.1	34.6	54.6	96	2	May 2	Oct. 9
Caruthersville	b39.0	42.2	56.8	62.6	71.2	f76.2	79.4	f78.6	73.9	58.4	52.0	44.3	61.2	98	10	Mar. 21	Oct. 13
Clinton	35.2	37.6	49.8	57.3	67.1	72.7	77.0	77.2	71.4	56.3	a47.8	38.1	57.3	98	2	Apr. 30	Sept. 30
*Columbia	32.0	33.1	47.8	54.9	65.4	71.0	75.4	75.3	70.1	55.6	45.5	36.2	55.2	97	2	Apr. 30	Oct. 9
Conception	30.3	29.3	43.0	52.2	59.3	66.0	72.4	72.2	69.3	53.3	42.4	32.6	51.9	94	− 3	May 2	Sept. 28
Darksville	31.0	30.6	(47.2)	54.2	63.6	69.3	75.0	74.4	70.8	54.6	45.4	35.8	(54.3)	95	1	May 2	Sept. 28
Dean	43.2	d46.0	e58.6	(57.0)	f71.2	e73.0	e75.8	77.4	71.0	b58.4	49.2	b41.8	(60.2)	97	14	.....	Sept. 28
Doniphan	(37.8)	39.6	a54.8	59.2	d68.4	74.0	c77.2	e76.8	71.2	a55.4	48.0	a40.6	(58.6)	97	8	Apr. 30	Oct. 13
El Dorado Springs	b36.2	38.5	52.8	56.6	66.8	72.8	a76.8	76.8	a76.3	58.0	48.2	40.8	58.4	101	0	Apr. 30	Sept. 29
Farmington	34.3	36.0	51.9	(57.0)	67.1	72.7	a75.3	77.1	a70.1	e58.9	f45.5	(38.4)	(57.0)	100	4	.....	Oct. 13
Fayette	29.1	29.6	45.4	52.6	63.0	69.1	74.2	74.2	69.4	53.0	(44.7)	36.0	(53.4)	94	− 4	May 2	Sept. 28
Fulton	33.2	33.5	50.0	.....	.....	.....	.....	75.6	70.6	e56.2	47.6	36.3	.....	98	1	.....	Sept. 29
Gallatin	34.0	32.2	46.3	56.7	62.9	74.3	77.7	77.0	72.7	55.1	46.2	33.5	55.7	.....	.....	May 2	Sept. 29
Gano	35.3	36.6	52.1	57.2	68.2	72.2	76.0	76.4	71.2	57.4	49.8	40.4	57.7	98	2	Apr. 30	Oct. 31
Goodland	33.7	35.7	51.8	56.0	66.0	70.4	73.3	74.0	68.1	54.1	46.6	37.8	55.6	96	1	May 1	Oct. 9
Grant City	b30.3	b28.7	43.0	a54.6	(62.5)	68.6	74.4	73.8	70.4	53.8	43.3	33.2	(53.0)	100	− 4	May 30	Sept. 28
Greenville	.....	b39.0	53.6	58.8	70.2	75.2	.....	.....	71.4	56.2	47.6	41.2	.....	.....	.....	May 30	Oct. 10
*Hannibal	30.2	30.2	46.2	54.0	64.4	70.6	75.9	74.4	70.0	55.0	44.8	34.4	54.2	95	− 1	Apr. 30	Oct. 12
*Harrisonville	32.5	34.4	47.0	54.5	64.0	71.8	77.0	76.5	70.5	54.6	45.0	35.2	55.2	99	− 1	May 1	Sept. 28
Hollister	.....	.....	.....	.....	.....	73.5	78.8	79.6	76.0	60.6	51.4	g42.2	.....	.....	.....	.....	.....
Houston	34.2	37.0	52.0	55.5	66.2	70.4	74.1	75.2	69.0	55.8	48.2	40.2	56.5	95	0	Apr. 30	Sept. 28
*Ironton	33.6	35.2	51.8	56.2	66.7	71.6	74.8	75.5	70.0	54.9	46.0	38.6	56.2	98	0	May 1	Sept. 29
Jackson	36.9	39.4	53.8	58.4	68.8	74.4	77.8	77.6	72.7	58.2	50.2	42.6	59.2	97	8	Apr. 30	Oct. 15
*Jefferson City	30.1	33.2	47.4	54.3	65.5	71.0	73.4	76.4	70.5	55.6	45.5	34.8	55.1	102	0	Apr. 30	Sept. 29
Joplin	39.6	41.6	54.4	58.6	68.8	74.3	74.2	75.1	70.8	58.7	49.6	43.6	59.1	96	8	Apr. 30	Oct. 24
*Kansas City	34.2	34.4	47.6	56.0	64.3	71.3	76.3	75.6	71.9	55.7	46.0	37.4	55.9	94	4	Apr. 30	Nov. 5
*Kidder	33.4	31.1	44.7	54.8	63.2	69.9	75.4	74.5	71.7	55.3	44.4	35.5	54.5	97	0	May 2	Sept. 28
Koshkonong	37.2	39.1	55.8	58.0	67.1	a72.2	a76.8	76.4	70.0	58.4	50.8	43.2	58.8	96	5	Apr. 30	Oct. 28
*Lamar	36.9	39.6	52.2	55.7	66.8	73.8	77.3	78.5	71.9	57.8	48.4	41.2	58.3	98	6	Apr. 30	Sept. 28
Lamonte	(35.4)	34.6	48.1	55.1	64.8	71.4	75.4	75.6	71.2	55.6	45.8	36.2	(55.8)	96	− 2	Apr. 30	Sept. 28
Lebanon	34.2	36.6	51.8	56.0	66.9	72.5	75.5	75.7	70.5	55.2	48.2	39.6	56.9	95	2	Apr. 30	Oct. 9
*Lexington	34.0	33.4	47.4	55.8	64.6	71.5	75.8	75.8	71.6	55.0	46.7	36.6	55.7	96	2	Apr. 30	Oct. 9
Liberty	33.6	a33.2	46.9	55.4	63.2	69.4	(75.5)	75.3	71.4	55.5	a46.2	36.6	(55.2)	94	0	May 2	Sept. 28
Linneus	30.8	31.0	46.2	55.1	64.6	70.6	75.2	75.4	71.4	a55.6	a46.5	a33.4	54.6	96	− 2	May 2	Sept. 29
Lockwood	36.4	39.2	54.8	56.4	a66.6	72.7	76.2	76.9	71.5	56.6	48.4	40.6	58.0	97	5	Apr. 30	Sept. 28
Louisiana	30.9	32.2	47.8	54.4	65.2	70.4	75.2	73.4	69.3	54.6	45.4	35.6	54.5	97	− 2	May 2	Sept. 29
Marble Hill	33.6	36.8	49.8	56.9	68.5	75.2	77.8	76.1	71.8	56.7	47.1	40.9	57.6	98	7	Apr. 30	Oct. 13
Marshall	32.2	a33.2	b48.1	55.6	65.4	a71.4	a76.1	75.4	71.1	55.4	46.2	35.9	55.5	95	0	May 2	Sept. 28
*Maryville	28.8	27.2	42.0	53.2	61.2	69.3	74.8	73.6	69.6	52.3	41.5	31.4	52.1	98	− 3	May 2	Sept. 28
*Mexico	29.6	30.6	46.0	53.9	65.1	70.6	76.2	74.6	69.8	55.0	44.0	34.3	54.1	98	0	May 2	Sept. 28
Mountain Grove	34.4	36.2	51.1	55.2	65.4	70.0	73.9	74.5	69.2	55.0	48.1	40.1	56.1	92	3	Apr. 30	Oct. 9
Mt. Vernon	37.2	38.0	54.2	57.6	67.6	73.4	77.4	78.8	72.8	58.4	49.0	41.5	58.8	100	2	May 1	Sept. 28

[1] Values in parentheses are interpolated by comparison with records of surrounding stations.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Missouri—Continued.																	
Neosho	38.1	40.1	54.7	57.9	67.4	73.0	75.4	76.9	71.0	57.2	48.5	41.0	58.4	96	2	Apr. 30	Sept. 28
New Palestine	34.2	35.5	49.8	56.7	65.4	71.2	76.2	76.5	72.4	[a]56.2	48.7	38.9	56.8	98	5	Apr. 30	Nov. 5
Oakfield	34.9	35.1	50.8	56.3	66.6	72.2	76.7	76.6	73.0	57.6	48.8	39.8	57.4	99	2	Apr. 30	Nov. 5
Olden	36.3	38.9	55.2	58.4	67.4	73.4	76.0	76.8	68.8	56.8	[a]49.6	41.0	58.2	97	0	Apr. 30	Oct. 10
Oregon	32.0	30.2	44.7	54.8	62.0	69.8	74.6	73.0	68.8	52.9	42.1	33.1	53.2	95	— 1	May 2	Sept. 28
Parkville							78.6	78.0	74.4	57.4	50.1	38.1					
Perryville	35.4	37.3	52.6	58.2							49.8	38.9				Apr. 12	
Princeton					60.5	70.4	77.4									May 8	
Rolla	34.4	34.6	51.0	56.0	66.8	72.2	76.0	76.6	70.4	56.8	47.9	39.6	56.9	97	1	May 4	Oct. 10
St. Charles	33.8	34.4	50.2	55.8	66.2	72.4	77.4	77.2	72.6	56.8	48.4	38.5	57.0	99	2	May 2	Oct. 28
*St. Joseph			46.6		65.2	72.0	77.5	77.5	72.8	55.8	44.4	35.5		100		Apr. 30	Sept. 28
*St. Louis	34.0	34.2	49.8	56.1	66.9	73.2	77.7	77.5	73.4	57.8	48.6	38.9	57.3	98	4	Mar. 9	Nov. 5
Sikeston	37.2	[c]39.0	54.6	59.2	68.8	74.4	77.6	77.1	72.4	57.1	50.0	42.2	59.1	95	9	Apr. 30	Oct. 13
*Springfield	33.9	37.4	51.7	55.5	66.4	71.4	75.2	75.9	70.0	56.0	47.5	39.6	56.7	93	4	Apr. 30	Oct. 12
Steffenville	31.4	[a]31.0	46.3	54.7	64.2	70.0	75.7	74.8	71.1	55.4	46.4	34.6	54.6	98	— 3	May 2	Sept. 29
Sublett	29.3	29.2	44.2	53.3	62.6	70.0	74.9	73.0	69.6	52.8	(44.0)	[c]33.0	(53.0)	96	— 5	May 2	Sept. 28
Trenton	31.2	30.6	44.9	55.4	63.7	70.8	75.9	74.0	69.9	53.6	44.0	33.9	54.0	94	— 1	May 2	Sept. 29
*Unionville	26.4	26.6	41.4	52.2	61.0	68.4	75.1	73.1	70.4	53.2	42.6	31.8	51.8	97	—10	May 3	Sept. 29
Versailles	32.4	36.0	[a]49.4	54.6	[a]65.1	70.8	(75.9)	[c]76.0	[k]71.6	55.6	47.1	37.6	(56.0)	98	— 2	May 2	Sept. 28
Warrensburg	35.2	36.0	48.4	56.1	65.4	73.0	76.6	76.6	72.2	56.8	49.0	38.4	57.0	97	2	Apr. 30	Sept. 29
*Warrenton	30.4	30.6	47.2	54.8	65.8	71.4	76.4	76.0	71.4	54.5	44.6	35.2	54.9	98	1	May 2	Oct. 9
Warsaw	35.2	37.7	51.6	55.8	67.8	73.3	77.8	77.9	72.4	57.8	48.6	38.6	57.9	102	— 3	Apr. 30	Sept. 29
Willow Springs	35.4	38.0	52.7	57.6	67.2	71.9	76.0	76.3	69.8	56.2	47.9	40.6	57.5	98	— 2	Apr. 30	Oct. 10
Windsor		36.1					[c]78.2	77.4	72.0		51.2	37.4		98			Sept. 29
Montana.																	
Adams												[a]23.0					Sept. 24
Adel	28.2	31.2	29.4	43.4	46.8	53.2	64.2	58.0	55.2	40.4	35.7	26.6	42.7	92	—12	July 6	Sept. 25
Agricultural College	33.5	24.7	28.6	42.9	45.9	52.6	65.4	60.8	55.3	40.0	33.6	22.4	41.3	94	—20	May 21	Aug. 26
Anaconda	[a]24.9	[a]27.4	32.0	44.2	46.0	[a]52.7	65.2	60.3	55.7	[a]42.2	34.0	[a]23.2	42.3	94	—18	June 20	Sept. 26
Augusta	28.9	27.0	27.3	[d]46.2	45.6	53.3	63.1	58.2	53.8	40.6	35.6	26.4	42.2	96	—20	June 20	Aug. 15
Babb	19.3	21.2	16.0	39.2	44.8	51.1	60.8	56.4	51.4	38.4	33.9	16.9	37.4	91	—18	July 5	July 29
*Billings	31.8	31.2	36.8	51.6	56.2	[a]63.0			64.4	[d]49.6	39.8	29.8			—20	May 1	Sept. 25
Bridger											39.3	26.2					
Boulder							65.2	60.6	57.2					97			Aug. 26
Bowen	8.1	7.5	23.4	39.6	46.5	48.6	57.4	53.9	49.0	34.2	27.6	13.4	34.1	90	—55	July 8	July 17
Broadview Ex. Sta	[d]31.0	23.8		46.4	51.0	56.4	67.9	65.3	59.8	42.8	34.3	26.2		103	—30	May 21	Sept. 26
Busby	25.0	24.8	32.2	44.8	51.1	58.1	[e]69.4	65.8	59.7	42.7	34.6	22.2	44.2	105	—31	June 29	Sept. 27
Busteed				47.0	50.0	56.4	67.4	63.4	59.6	43.2	37.6	28.6		99		May 1	Sept. 26
Butte	25.8	28.0	32.2	44.4	46.6	[f]51.8	67.8	64.0	57.2	42.4	34.6	26.0	43.4	94	—18	June 5	Sept. 25
Canyon Ferry	23.6	28.0	34.2	47.0	51.5	56.7	68.1	64.4	57.9	41.8	31.7	24.1	44.1	100	—18	May 5	Sept. 25
Cascade	32.4	31.1	31.8	48.6	52.2	58.8	69.4	63.8	59.8	44.8	39.3	30.6	46.9	102	—14	May 1	Sept. 26
Chessman Reservoir											34.8	22.8					
Chester	16.4	17.6	26.4		[g]52.6	56.0	70.8		57.2	38.4	33.9	17.8			—31	May 18	Sept. 26
Chinook	24.3	[a]19.6	[c]24.8	46.6	[f]55.4	[d]59.8	71.4	67.0		42.6		20.8		109	—22	May 16	Sept. 28
Chouteau									54.8	42.2	37.5	26.6					Sept. 23
Clear Creek		24.8	27.8	46.7	53.6	57.6	69.8	63.3	59.1	41.1	[j]41.6	[a]26.1		103		May 21	Sept. 26
Columbia Falls	23.2	26.0	31.7	44.2	[a]49.2	56.0	64.8	65.1	56.2	43.2	35.4	25.7	43.4	102	—22	May 24	July 25
Como							68.3	62.8	55.2	42.0	35.0	23.7		99			Sept. 26
Crow Agency	[k]30.9	[g]28.0	34.4	48.6	54.3	61.3	71.8	65.8	60.3	44.6	35.4	23.8	46.6	101	—17	May 29	
Culbertson							67.8	61.3	56.7	39.2	31.6	20.8		105			Aug. 13
Cut Bank									[j]52.0	41.2	35.0	25.1					Sept. 26
Dayton	24.8	25.6	34.2	44.8	47.8	54.8	66.1	62.2	56.3	43.6	36.5	26.3	43.6	100	—15	June 19	Sept. 23
Decker	21.2	18.4	31.4	41.4	49.4	64.9	77.4	58.4	55.6	41.4	30.0	19.4	42.4	101	—35	May 23	Aug. 25
Denton		23.2	[b]28.9	[c]48.5	51.4	[c]58.0	[c]70.6	[b]63.8	[b]58.5	[c]41.6	[a]36.2	[d]25.8		106	—20	June 12	Sept. 25
Dillon	25.4	29.0	37.4	45.4	49.9	54.2	65.7	61.0	55.1	44.2	37.2	23.4	44.0	91	—24	June 28	Sept. 16
East Anaconda	24.8	25.0	29.0	42.9	44.0	51.8	65.4	60.8	55.7	41.8	34.2	23.8	41.6	93	—17	June 20	Sept. 24
Ekalaka	25.8	22.4	29.5	45.4	49.9	[i]63.0	71.8	65.6	63.2	[c]43.8	35.8	23.8	45.0	103	—26	June 28	Sept. 25
Evans	31.9	32.3				54.8	69.2	66.6		44.2	35.0	27.0		100	—14		Sept. 27
Fallon	22.5	17.2	27.6	47.5	51.9	61.2	72.0	65.5	62.4	43.6	34.7	22.4	44.0	107	—32	May 22	Sept. 27
Forsyth	[b]29.4		32.6	50.6						[h]44.3	36.9	[d]27.8					
Fort Benton	29.6	21.3	31.2	47.7	53.4	59.0	70.5	65.4	[l]58.6		37.6	28.0		105	—14	Apr. 25	Sept. 26
Fort Wm. H. Harrison	24.1	25.4	31.7	40.2	48.8	58.8	70.0	64.2	58.0	41.6	33.6	24.0	43.4	99	—20	Apr. 30	Sept. 25
Fort Logan	23.4	24.2	31.4	44.1	53.6	58.0										June 29	
Fort Shaw	30.8	27.9	29.4	48.1	52.1	57.4	67.8	63.8	58.3	44.0	38.0	29.5	45.6	100	—15	May 1	Sept. 23
Fortine	22.4	25.8	31.2	43.5	48.2	55.0	62.0	[d]57.2	51.6	41.0	33.0	21.5	41.0	93	—23	May 28	July 26
Garneil												20.2				July 6	Aug. 25
Glasgow	21.0	[b]14.4	27.1														
Glendive	22.8	19.2	[b]24.7		53.4	62.7	72.0		[d]60.4	44.5	38.4	23.6			—24	May 22	Sept. 28
Goldbutte							67.4	61.8	55.0	39.3	32.4	21.2		99			Aug. 30
Graham	26.6	26.9	32.6	[b]44.4	52.4	[e]60.6	[f]70.2	65.4	61.8	[n]45.5	[j]37.0	23.4	45.6	101	—24	May 22	Sept. 27
Grayling						46.0	55.5	51.2	[e]46.0	34.2	23.6					July 12	July 17
Great Falls	31.9	27.2	32.0	48.4	54.0	60.2	71.2	65.0	59.6	44.8	39.4	30.2	46.9	100	— 7	May 30	Sept. 26
Hamilton	28.4	34.4	38.6	48.2	49.9	54.4	66.2	[f]64.2	[b]59.4	44.2	[b]36.2	[e]26.7	45.9	96	— 9	Apr. 30	Sept. 26
Harlowton					50.0	55.0	65.8	[f]61.6	56.8	40.8	34.9	27.2		97		June 13	Sept. 26
*Havre	26.2	18.6	25.6	47.1	55.2	60.2	71.4	65.3	59.0	41.2	35.0	22.6	44.0	106	—19	May 1	Sept. 27
*Helena	25.8	28.0	32.6	46.9	49.0	56.1	68.5	63.0	57.4	41.6	33.9	25.8	44.0	98	—14	Apr. 30	Sept. 26
Huntley	29.6	25.3	33.8	49.6	54.1	60.2	72.6	67.4	[e]60.1	44.8	39.8	27.6	47.1	104	—18	May 1	Sept. 27
Jordan	22.8	23.5	29.6		48.1	[c]53.4	72.8	65.7	59.5	42.0	31.3	24.8		103	—32	May 9	Sept. 27
Kalispell	24.4	26.2	33.6	45.4	49.1	56.2	66.2	61.9	55.7	43.4	34.6	25.1	43.5	92	—14	Apr. 30	Sept. 25
Lewistown	[b]28.6	25.0	29.8	44.6	49.2	55.8	70.0	63.0	58.8	42.6	37.3	26.1	44.2	103	—25	June 2	Aug. 26
Livingston	30.6	32.1	34.8	47.8	49.6	56.2	[f]72.3		61.8	45.0	39.0	29.5			—14	May 1	Sept. 26
Lodgegrass	[c]34.2																
Lubec	28.7	26.8	27.0		43.8	49.4	63.8	58.4			28.2	17.0		95	—24	July 2	Aug. 21
Malta			[a]28.6														
*Miles City	26.9	20.7	30.8	48.9	54.4	64.1	75.0	68.4	63.6	45.6	37.5	26.3	46.8	108	—30	May 22	Sept. 27
*Missoula	[a]25.0	[a]28.6	[a]36.0	[d]47.6	[a]51.8	56.9	[a]68.8	64.7	58.6	44.4	35.4	25.7	45.3	101	—13	Apr. 29	Sept. 26
Norris	30.8	30.8	35.4	49.8	49.8	56.0	70.7	65.8	59.8	44.4	37.2	27.4	46.5	96	—17	Apr. 30	Sept. 26
Nye											[f]27.8	25.7					Sept. 27
Ovando	[b]15.2	20.8	26.5	41.1	47.6	52.5	[a]63.6	58.4	51.0		32.4	21.4		98	—39	July 6	July 29

[1] Values in parentheses are interpolated by comparison with records of surrounding stations.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.		Killing frost.	
													Mean.	Extremes.	Last in spring.	First in autumn.
Montana—Continued.														*Max.* *Min.*		
Philipsburg	21.9	24.8	30.6	39.8	44.8	50.2	63.0	a59.4	a53.4	40.8	34.2	26.2	40.8	96 −25	July 6	Aug. 30
Plains	27.8	27.8	36.6	46.8	50.0	56.4	68.8	65.0	58.6	44.9	38.0	26.5	45.6	102 −15	May 4	Sept. 26
Pleasant Valley	18.3	22.4	b30.0	41.0	47.2	53.4	a61.4	55.4	50.8	41.4	b33.3	c22.6	39.8	95 −46	June 28	July 28
Poplar	20.8	18.1	25.2	45.8	53.0	61.9	72.0	65.2	60.6	43.5	33.7	21.5	43.4	108 −26	May 22	Aug. 22
Raymond	35.3	34.2	26.4	41.0	46.0	50.2	63.3	59.2	52.8	38.6	27.0	22.4	41.3	93 −20	July 8	July 25
Red Lodge	26.4	25.8	28.9	43.0	45.8	51.6	62.8	58.1	53.9	39.0	31.6	22.8	40.8	92 −22	June 28	Aug. 31
Renova	28.0	30.3	34.4	45.6	49.8	54.7	66.0	62.4	57.4	43.4	36.2	26.5	44.6	97 −18	July 6	Aug. 29
Ridgelawn		18.3														
St. Ignatius											a38.3	27.5				
St. Regis		28.6	35.2	44.6	50.3	57.2	65.6	61.3	56.3	b42.8	35.1	26.0		104 −21	June 29	July 26
Sedan				40.5	45.0	50.1	62.6	57.8	53.3	37.3	30.3	21.8		93	July 6	Aug. 26
Snowshoe	22.3	23.6	29.0	38.5	44.0	52.2	63.6	58.6	52.6	39.0	32.4	19.8	39.6	91 −12	May 19	Aug. 27
Springbrook	b25.2	19.1	26.8	47.6	51.0	60.6	71.2	65.6	61.5	42.8	36.8	24.7	44.4	105 −23	May 23	Sept. 27
Steele	32.2	25.4	32.2	49.8	53.6	58.8	b71.4	65.8	61.0	a44.2	40.6	29.8	47.1	104 −15	Apr. 30	Sept. 27
Tokna	23.5	17.5	26.6	48.0	52.4	63.5	73.0	65.8	61.5	43.2	34.5	21.4	44.2	108 −24	May 22	Aug. 22
Toston	25.2	27.5	34.6	46.2	49.5	57.4	67.6	62.6	57.4	39.6	32.0	22.4	43.5	96 −22	May 21	Aug. 26
Troy	29.6	30.8	36.2	b46.8	54.2	57.8	67.2	61.2	55.8	45.4	38.6	26.0	45.8	103 −22	May 6	July 26
Utica	29.6	30.0	29.6	44.2	48.2		68.4	63.3	b60.6		a38.3	28.0		99 −14	June 20	
Upper Lake McDonald	c23.5		a35.5		a47.4	a54.7	f65.2	61.7			a34.1			95	June 2	July 27
Valentine	26.6	22.0	29.8	46.6	54.4	59.7	72.4	66.8	60.2	42.6	36.0	24.2	45.1	109 −33	May 21	Sept. 9
Wolf Creek											36.0	32.0				July 20
Nebraska.																
Ainsworth	29.0	26.9	37.1	49.6	55.5	65.3	71.5	69.0	68.4	f51.2	38.5	e29.6	49.3	103	May 8	Oct. 8
Albion	a28.8	e27.6	b39.0													
Alliance	30.8	31.0	38.1	49.2	52.3	62.6	69.2	67.6	65.2	48.2	36.5	25.0	48.0	101 −17	May 21	Sept. 26
Alma	32.8	31.9	44.0	54.0	59.4	69.6	74.5	73.4	69.4	53.3	40.4	32.6	52.9	101 −14	May 2	Sept. 28
Anoka	25.2	24.2	f34.0	49.2	55.5	65.4	72.0	68.1	69.4	47.9	36.4	24.8	47.7	100 −23	May 9	Sept. 27
*Ashland	30.8	28.1	41.9	54.3	60.6	69.0	73.9	72.9	70.8	52.8	41.2	31.8	52.3	97 − 6	May 8	Sept. 28
Atkinson	27.0	24.6	b37.5	49.5	54.8	c65.9	b71.7	67.8	68.5	b48.5	b38.6	25.4	48.3	100 −16	May 8	Sept. 27
*Auburn	32.2	30.2	43.8	52.8	59.2	68.5	73.0	71.8	69.0	54.4	42.0	33.6	52.5	98 − 3	May 2	Sept. 28
Aurora	a33.0	29.0	42.7	55.0		68.1	74.0	72.6	71.0	53.1	41.6	32.6		99 −10		
Beatrice	31.9	30.8	43.8	55.2	61.4	70.9	74.3	73.8	69.2	53.3	41.4	32.7	53.2	97 − 6	May 8	Sept. 28
Beaver City	33.0	33.0	45.0	55.6	60.2	71.0	75.4	74.6	a71.2	52.4	40.2	32.9	53.7	101 −10	May 2	Sept. 27
Bellevue	30.6	27.4	41.6	54.0	a60.8	68.4	73.5	73.1	70.4	53.1	41.8	31.5	52.2	96 − 9	May 2	Sept. 28
Blair	30.0	27.0	40.2	53.7	60.6	68.4	75.0	71.6	69.0	51.4	a40.8	31.0	51.6	98 − 8	May 2	Sept. 29
Bloomfield	26.8	b25.2	37.2	b51.4	d58.0										May 9	
Bloomington	33.4	31.9	44.2	54.3	60.7	68.4	72.4	71.1	a71.9	54.6	41.6	a33.7	53.2	102 −10	May 8	Oct. 11
Bridgeport	28.6	29.5	39.0	48.8	53.2	62.0	69.8	68.7	64.0	46.8	34.8	a24.7	47.5	101 −16	May 7	Sept. 27
*Brokenbow	a30.9	28.4	39.2	c50.0	55.7	68.1	73.4	69.0	67.2	47.4	37.6	27.8	49.6	101 −10	May 9	Sept. 28
Callaway	32.5	30.6	40.9	51.4	57.0		72.4	a70.4		49.8	f42.8				May 9	
Cambridge	32.5	31.2	43.7	a53.8	59.0	70.2	75.1	74.0	69.7	50.3	41.3	a32.0	52.7	105 −15	May 2	Sept. 27
*Columbus	28.3	27.1	39.1	52.0	58.7	67.4	73.0	71.0	69.0	51.4	39.5	30.2	50.6	99 − 6	May 8	Sept. 29
Crete	31.0	29.2	42.0	53.4	60.6	69.4	74.0	72.8	71.0	a53.3	a41.6	31.6	52.5	98 − 8	May 2	Oct. 11
*Culbertson		f31.3	a44.3	54.5	59.2	69.8	75.0	72.6	68.3	57.0	42.0	a30.6		101 −12	May 7	Sept. 27
Curtis		28.4														
David City	30.8	27.8	40.9	53.3	59.1	67.4	72.5	71.4	68.9	50.9	40.4	31.3	51.2	93 − 6	May 8	Sept. 29
Dawson	33.4	31.4	45.1	55.4	62.1	70.9	75.6	75.6	71.6	55.0	43.2	34.2	54.5	100 − 2	May 3	Sept. 28
Ewing	23.8	23.0	a33.3	47.0	53.4		70.4	68.0	67.8	47.6	36.4			101 −17	May 9	Sept. 27
*Fairbury	32.7	32.6	44.2	55.4	61.5	70.6	75.3	74.3	70.5	54.2	42.6	33.4	53.9	100 − 8	Apr. 30	Sept. 29
*Fairmont	30.1	27.1	39.9	51.6	58.2	67.6	72.8	70.8	68.6	50.2	39.4	31.2	50.6	98 − 8	May 2	Sept. 28
Fort Robinson	26.4	26.6	33.8	45.8	49.0	58.5	66.8	64.0	60.9	41.9	33.5	24.3	44.3	100 −24	May 28	Sept. 27
Franklin	a33.4	a32.3	b45.4	b54.6	a60.8	g70.8	a74.7	72.9	69.2	51.8	40.8	32.2	53.2	101 −12	May 8	Sept. 28
Fremont	29.0	26.6	40.2	52.6	61.0	68.4	73.8	72.2	69.2	51.2	39.2	29.9	51.1	97 −11	May 8	Sept. 28
Fullerton	28.9	27.3	40.8	52.9	59.2	68.6	73.0	71.8	69.3	50.6	38.9	30.2	51.0	98 − 9	May 8	Sept. 28
Geneva	31.8	30.4	42.2	53.8	60.5	68.9	73.4	72.0	70.0	52.6	41.2	31.9	52.4	97 −10	May 2	Sept. 28
Genoa	29.8	28.4	40.6	53.2	59.3	67.2	72.9	a69.2	69.4	49.2	38.0	27.8	50.4	98 − 9	May 8	Sept. 28
Gothenburg	32.0	30.8	42.4	52.8	57.9	68.7	73.4	72.3	69.7	50.7	a40.4	30.3	51.8	102 − 9	May 9	Sept. 27
*Grand Island	32.7	29.5	42.6	53.6	60.4	70.2	74.1	72.4	70.5	51.8	41.0	32.0	52.6	98 − 8	Apr. 29	Oct. 11
Grant	29.6	b29.0	a38.7			f64.4	71.2	d70.7	64.8	b49.4	e37.4	24.6		103 −14		Sept. 27
Greeley	29.9	27.3	39.6	50.6	57.3	66.4	72.2	70.5	69.4	50.0	40.8	30.7	50.4	100 − 8	May 2	Oct. 8
Halsey	32.2	30.2	40.5	52.8	57.0	68.4	73.9	71.3	69.1	49.6	40.2	29.5	51.2	102 −12	May 9	Sept. 27
*Hartington	25.4	24.3	38.0	50.4	58.4	66.3	73.2	69.5	69.7	49.6	37.6	26.7	49.1	100 −14	May 8	Sept. 28
Harvard	29.2	27.1	39.4	51.4	57.1	66.9	71.4	69.8	67.2	49.6	38.1	29.6	49.7	93 −10	May 8	Sept. 28
*Hastings	31.6	28.0	41.4	a55.4	58.9	67.8	71.8	71.3	69.0	50.5	40.1	31.0	51.4	100 − 6	Apr. 29	Sept. 27
Hayes Center	32.6	30.4		a51.4	58.0	66.4	72.6	71.0	68.2	52.5	40.0	29.8		103 −15	May 6	Sept. 27
Hay Springs	26.8	27.8	36.8	46.2	51.1	61.2	68.5	65.8	63.2	45.6	35.6	23.8	46.0	98 −17	May 11	Sept. 27
Hebron	31.5	31.7	44.3	54.2	59.8	68.8	73.4	72.6	69.5	52.4	41.4	31.8	52.6	94 − 7	Apr. 29	Sept. 29
*Holdrege	34.6	32.6	45.2	55.8	b57.8	a69.2	74.0	71.6	69.8	b53.7	42.1	a32.6	53.2	101 − 8	May 9	Oct. 11
Hooper	28.2	26.6	40.6	53.4	60.2	68.4	74.1	72.2	69.6	51.3	39.0	30.0	51.1	102 − 7	May 8	Sept. 28
Imperial	31.1	31.2	41.5	50.4	56.0	65.7	71.8	71.3	67.2	49.5	38.6	26.2	50.0	101 −13	May 8	Sept. 27
Kearney	b32.8	30.0	43.2	53.2	58.7	a68.4	c72.2	70.8	70.2	a51.0	40.2	b31.2	51.8	102 −14	May 2	Sept. 28
Kimball	30.6	32.8	39.6	48.6	52.8	62.5	70.2	67.4	63.4	45.6	34.5	28.4	48.0	100 −13	May 20	Sept. 25
Kirkwood	d30.0	26.6	b37.5	51.0	55.7	65.2	a72.7	69.4	69.8	48.5	a38.5	26.8	49.3	107 −18	May 8	Sept. 27
Leavitt	28.4	27.8	39.2	53.0	60.0	69.6	76.0	c72.4	70.2	51.4	a39.6			104	May 9	Sept. 28
Lexington	b30.8	a31.2	40.6		e60.3	68.4	72.0	71.0	67.6	50.0	38.6	30.7		99 − 9	May 7	Sept. 27
*Lincoln	31.0	28.6	41.8	54.2	60.5	69.2	74.2	73.2	70.8	52.8	41.4	31.7	52.4	98 − 4	May 2	Oct. 11
Lodgepole		28.8	38.6	48.6	a52.0	d61.4									May 8	
Loup	29.8	27.3	40.0	50.9	57.8	67.9	72.4	70.4	66.5	49.3	38.4	29.0	50.1	98 −10	May 8	Sept. 27
Lynch	a26.6	f28.2	36.7	50.6	59.4	66.9	74.7	d70.2	71.0	51.0	37.6	25.4	49.9		May 9	Sept. 27
McCook										a52.0	39.4	30.8				
Madison	27.5	27.2	38.0	50.5	a57.5	a65.7	71.3	69.6	a68.2	48.6	a37.6	27.8	49.1	95 − 8	May 7	Sept. 28
Minden	32.0	29.4	41.7	51.6	58.4	68.2	72.6	71.4	69.5	51.0	39.5	30.9	51.4	98 −10	May 2	Oct. 11
Nebraska City	31.8	b29.5	a41.0	54.4	60.8	69.6	74.6	73.7	69.0		e39.6	32.8		96 − 7	May 2	Sept. 28
Norfolk	27.9	25.4	37.6	50.6	58.0	66.3	a73.1	69.8	69.0	49.2	37.7	28.2	49.4	99 −13	May 8	Sept. 28
North Loup	30.4	27.4	39.9	52.2	a58.0	66.9	73.2	70.8	69.0	49.8	39.8	29.8	50.6	102 − 8	May 2	Sept. 29
*North Platte	31.3	30.2	40.0	50.7	55.6	66.2	71.9	70.2	67.6	49.2	39.0	29.1	50.1	98 − 9	Apr. 29	Sept. 27
*Oakdale	25.4	24.8	36.9	50.6	56.8	66.3	72.0	68.8	67.6	48.0	37.0	26.6	48.4	96 −15	May 2	Sept. 28
Oakland	28.0	26.6	40.4	52.0	56.2										May 10	
*Omaha	30.2	27.4	40.6	53.4	60.8	68.8	74.4	73.2	71.6	53.1	41.8	31.8	52.3	96 − 3	Apr. 27	Oct. 29
Osceola	a29.4	28.8	a41.6	55.4	a61.8	a71.4				a47.0	e39.8	b28.9			May 2	

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.		Killing frost.	
													Mean.	Extremes.	Last in spring.	First in autumn.
Nebraska—Continued.														Max. Min.		
Palmyra (a)	30.7	29.4	41.9	53.7	61.2	69.4	74.3	73.1	69.7	52.2	40.7	31.8	52.3	96 — 4	Apr. 27	Oct. 9
Pawnee City	31.8	31.0	44.4	54.4	60.8	70.4	73.5	73.5	69.1	53.0	41.8	32.7	53.0	97 — 7	May 2	Sept. 28
Plymouth	.....	30.6	41.0	53.4	59.4	68.2	72.8	71.8	68.9	52.0	41.0	31.0	.....	100 — 8	May 2	Sept. 28
Purdum	29.8	27.2	38.6	48.8	54.8	64.8	[a]70.6	[a]69.0	[a]68.2	47.8	38.4	27.6	48.8	101 —13	May 8	Sept. 27
Ravenna	31.6	28.2	40.4	51.2	57.4	67.6	72.3	70.6	69.3	50.4	40.0	30.0	50.8	100 — 8	May 9	Sept. 28
Redcloud	33.5	32.6	44.8	54.6	61.0	70.6	74.2	73.1	69.4	53.6	40.6	32.2	53.4	98 — 6	May 7	Sept. 29
St. Paul	31.4	29.0	42.0	52.9	59.2	68.4	73.6	72.2	69.9	50.9	41.2	31.2	51.8	100 — 8	May 2	Sept. 29
Santee	24.4	.....	.....	53.2	60.2	68.2	75.2	71.0	[c]72.6	52.6	.....	28.0	.....	104	May 2	Sept. 29
Scottsbluff	28.5	28.3	38.8	48.0	52.5	62.8	70.1	67.8	63.8	46.6	35.6	26.2	47.4	101 —20	May 6	Sept. 27
Seward	27.9	28.6	41.4	51.6	62.1	70.2	.....	[b]71.4	69.2	53.1	41.8	33.3	.....	98 — 5	May 8	Sept. 28
Springview	29.4	25.2	35.7	50.2	54.8	63.4	72.2	67.9	67.0	[a]48.3	36.8	25.6	48.0	101 —12	May 2	Sept. 27
Stanton	27.0	25.4	39.6	52.0	57.2	67.4	71.6	70.4	69.8	49.6	38.4	28.5	49.7	96 —13	May 2	Sept. 29
Superior	30.4	29.8	43.0	52.5	59.9	69.9	74.8	73.2	68.5	51.0	39.8	31.2	52.0	98 — 7	May 7	Sept. 28
Tecumseh	32.4	30.2	43.7	55.2	61.2	70.0	74.8	73.8	69.4	53.0	41.7	32.6	53.2	100 — 7	May 2	Sept. 28
*Tekamah	28.2	26.1	38.8	53.0	60.3	68.1	73.6	71.5	68.8	50.5	40.2	28.8	50.7	96 —13	May 2	Sept. 28
Turlington	30.8	28.1	41.6	54.2	59.9	68.4	73.9	72.8	70.4	52.8	41.8	31.9	52.2	95 — 7	May 2	Sept. 29
University Farm	32.0	28.8	42.4	[a]53.7	59.7	69.0	73.8	73.2	[a]70.2	52.4	41.6	32.8	52.5	99 — 4	May 8	Sept. 27
*Valentine	29.2	25.8	35.4	48.4	53.4	64.2	71.5	68.6	67.4	47.2	36.9	24.5	47.7	101 —13	May 6	Sept. 27
Wakefield	26.4	24.4	37.9	51.3	58.2	66.6	72.0	70.0	68.5	49.4	37.2	27.6	49.1	97 —14	May 9	Sept. 28
Weepingwater	30.2	26.2	40.1	53.8	60.2	69.0	74.0	[c]74.6	[c]68.6	52.9	39.8	30.2	51.6	..... —13	May 8	Sept. 28
Westpoint	27.4	26.5	39.8	52.8	59.3	66.6	72.6	71.2	60.2	50.6	38.5	28.4	50.2	98 —11	May 8	Sept. 28
Winnebago	24.9	23.6	37.6	51.0	59.0	[a]68.2	72.8	.....	.....	.....	.....	.....	.....	.....	May 9	.....
York	31.4	29.4	42.6	53.8	59.4	68.8	73.6	72.8	70.8	52.3	41.1	32.0	52.3	99 — 9	May 8	Sept. 27
Nevada.																
Austin	28.4	31.0	37.9	47.8	44.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battle Mountain	29.4	33.6	39.4	49.4	48.3	57.8	72.0	68.4	54.9	46.6	37.8	22.0	46.6	102 — 8	June 3	Sept. 30
Beowawe	35.6	.....	41.2	55.3	51.6	.....	76.8	77.0	.....	47.0	37.4	21.8	.....	.....	.....	.....
Carlin	22.0	23.0	34.4	45.0	47.8	59.3	73.8	68.2	58.6	44.0	.....	.....	.....	106	June 6	Sept. 19
*Carson Dam	36.0	38.4	.....	51.9	51.0	65.5	78.5	73.0	62.3	49.4	42.0	29.9	.....	102 — 1	May 16	Sept. 24
Cherry Creek	.....	.....	35.2	41.8	42.5	51.6	64.9	59.8	.....	43.3	37.0	30.0	.....	.....	June 18	Aug. 23
Clover Valley	25.8	31.0	38.8	47.2	46.4	54.9	69.2	64.4	56.4	44.6	37.7	26.9	45.3	94 — 9	June 23	Aug. 31
Columbia	37.7	37.4	45.8	53.6	52.9	63.0	75.0	71.0	62.8	48.0	41.0	33.2	51.8	97 2	June 4	Sept. 26
Elko	32.8	22.2	41.2	.....	.....	.....	.....	.....	55.4	47.9	.....	.....	.....	.....	.....	Sept. 25
Ely	30.2	26.8	39.3	47.5	48.2	56.0	72.8	68.4	57.7	46.0	34.2	28.9	46.3	96 —11	June 23	Sept. 25
Eureka	30.4	31.0	36.8	46.6	45.2	56.4	71.3	67.2	59.1	44.4	38.8	29.1	46.4	94 — 8	June 3	Sept. 25
Fallon	34.8	38.6	42.6	52.6	51.6	62.8	76.4	72.2	61.5	48.3	40.7	28.8	50.9	103 — 2	May 30	Sept. 25
Fernley	35.6	38.2	44.0	53.6	52.2	64.1	79.6	75.0	63.0	49.2	42.6	29.7	52.2	102 —10	May 30	Sept. 25
Gardnerville	32.0	36.4	42.8	48.7	51.4	60.0	71.2	67.2	59.8	42.0	40.0	26.0	48.1	98 —17	June 3	Sept. 25
Geyser	28.0	24.0	33.4	46.4	48.6	62.5	69.4	67.4	.....	.....	.....	.....	.....	.....	June 17	Aug. 17
Golconda	36.4	39.6	42.9	46.4	51.2	61.4	76.6	72.1	58.3	45.2	35.4	23.9	49.1	102 — 4	June 4	Sept. 24
Halleck	25.2	30.5	35.2	45.9	44.2	55.7	70.1	64.0	55.4	41.2	30.8	22.2	43.4	100 —20	June 28	Aug. 24
Hamilton	.....	.....	.....	38.8	34.2	43.6	56.6	53.7	45.9	33.2	25.8	18.6	.....	73	June 28	Aug. 30
Humboldt	32.8	32.7	38.7	53.7	54.7	63.3	76.4	72.8	58.3	46.2	37.0	28.4	49.6	97 — 8	.....	Sept. 25
Jean	49.8	49.9	61.8	69.2	68.0	87.4	95.0	89.4	78.3	60.3	53.6	36.0	66.6	116 18	Feb. 12	Nov. 25
Las Vegas	43.2	43.6	56.2	64.2	67.4	74.2	84.4	81.9	70.8	58.6	49.2	41.6	61.3	111 12	Apr. 4	Oct. 19
Leetville	35.2	40.7	45.6	62.0	52.6	64.0	77.8	72.7	62.2	49.0	41.0	.....	.....	103	May 31	Sept. 25
Lewers' Ranch	35.3	36.2	43.2	49.6	47.6	57.1	71.2	68.6	60.2	44.6	42.9	32.0	49.0	102 — 3	June 22	Sept. 25
Logan	45.1	49.9	56.4	64.6	67.0	76.1	88.4	83.8	75.2	60.6	51.7	42.4	63.4	113 19	.....	Oct. 20
Lovelock	.....	38.6	40.8	52.2	.....	61.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McAfee's Ranch	26.4	26.8	34.0	46.0	46.8	53.6	66.0	61.2	55.8	44.8	32.6	23.9	43.2	94 —17	July 16	Aug. 30
Mill City	34.2	35.8	40.5	51.0	50.6	63.2	80.6	71.0	.....	41.8	.....	.....	.....	.....	.....	.....
Millett	26.6	32.4	39.4	47.5	48.5	57.9	70.8	66.1	57.3	43.6	34.2	24.4	45.7	96 —10	June 23	Aug. 31
Mina	35.6	35.2	48.1	50.0	46.8	64.6	81.0	74.9	64.9	45.5	41.4	31.6	51.6	104 — 1	June 6	Sept. 25
Palmetto	29.3	28.4	37.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Panaca	.....	.....	.....	.....	.....	74.3	76.2	72.1	.....	54.6	.....	.....	.....	.....	.....	.....
Potts	23.5	23.6	32.9	42.1	43.4	54.6	68.4	62.6	52.9	39.8	30.4	23.6	41.5	96 —19	June 27	Aug. 25
Quinn River Ranch	30.8	35.3	38.1	48.1	48.4	57.2	73.3	67.4	58.9	44.9	38.0	26.4	47.2	105 — 9	June 24	Aug. 28
*Reno	35.6	37.0	41.2	49.4	48.7	59.4	73.3	68.9	59.6	47.8	42.7	31.4	49.6	100 — 1	May 10	Sept. 25
San Jacinto	27.0	30.2	34.3	45.6	46.6	54.7	69.0	60.0	52.5	41.5	32.0	27.0	43.4	100 — 8	June 28	Aug. 26
Soda Lake	36.4	39.4	44.6	53.1	53.5	65.0	79.6	76.8	64.2	50.1	.....	.....	.....	103	.....	.....
Tecoma	20.2	25.6	42.4	49.1	48.3	58.1	70.8	63.5	55.4	43.6	31.8	23.0	44.3	97 —10	June 4	Aug. 26
Tonopah	33.6	31.4	40.9	49.2	47.4	61.2	75.2	70.9	61.5	46.9	42.5	31.9	49.4	94 7	June 3	Oct. 2
Wabuska	34.0	34.6	41.2	50.2	51.1	60.4	72.1	67.0	57.2	45.2	36.4	26.4	48.0	100 —14	June 23	Aug. 31
Wells	.....	33.1	36.6	49.0	45.0	54.2	69.8	63.4	53.6	43.2	31.0	23.2	.....	100	June 26	Aug. 23
Winnemucca	33.6	36.3	38.7	48.0	48.2	58.3	74.0	68.4	58.8	45.7	38.8	29.4	48.2	100 — 5	June 2	Sept. 24
New Hampshire.																
Alstead Center	20.8	16.8	30.2	41.0	56.7	64.6	70.2	63.8	61.6	50.3	35.3	22.8	44.5	90 —17	Apr. 22	Oct. 3
Bethlehem	16.3	13.6	27.6	36.4	55.0	62.2	69.4	62.2	60.0	48.4	32.4	18.7	41.8	93 —24	June 3	Sept. 20
*Concord	25.6	19.8	33.4	42.4	57.3	66.0	71.6	65.2	61.8	50.4	37.6	24.8	46.3	95 —11	Apr. 23	Oct. 5
Durham	27.2	23.6	34.4	44.6	58.2	66.5	71.6	65.7	62.9	50.9	37.9	26.3	47.5	98 —11	May 2	Oct. 5
Franklin	23.6	18.6	32.0	42.4	58.3	67.2	72.3	65.6	63.4	51.8	36.8	23.8	46.3	98 —17	Apr. 23	Sept. 20
Grafton	19.9	14.4	29.1	39.0	54.8	62.5	69.4	63.0	60.0	48.4	34.2	20.8	43.0	95 —22	June 18	Sept. 9
Hanover	20.0	14.8	29.9	40.3	57.8	64.8	71.7	65.4	62.2	49.8	34.9	21.6	44.4	95 —28	June 3	Sept. 15
Keene	24.0	18.6	32.8	43.6	58.2	64.8	71.8	64.9	61.4	50.4	36.2	25.6	46.0	98 —20	June 3	Sept. 15
Nashua	25.6	21.0	35.6	45.0	59.6	69.2	74.4	67.9	64.6	51.8	38.2	26.8	48.3	100 —10	Apr. 25	.....
Newton	26.2	21.4	34.2	43.4	56.2	64.9	70.6	64.3	61.0	50.4	38.0	26.5	46.4	98 —10	June 3	Aug. 29
Plymouth	21.8	17.8	29.1	39.5	57.6	64.8	71.2	63.8	60.3	48.7	34.2	21.0	44.2	95 —16	June 3	Sept. 15
New Jersey.																
Asbury Park	33.2	29.6	41.6	49.8	58.6	68.4	72.5	71.0	66.2	59.2	44.2	36.7	52.6	89 2	Apr. 17	Nov. 2
*Atlantic City	34.1	30.1	41.8	50.9	58.5	68.2	73.6	71.0	66.4	59.5	46.0	37.6	53.1	92 6	Apr. 5	Nov. 2
Bayonne	31.7	27.6	40.6	50.7	61.1	71.2	76.2	71.6	66.6	57.8	43.1	34.4	52.7	97 — 1	Apr. 21	Oct. 13
Belvidere	30.2	26.2	40.9	50.8	62.0	70.2	74.8	69.4	65.2	56.4	41.0	32.0	51.6	97 — 4	Apr. 17	Oct. 13
Bergen Point	32.2	28.2	41.6	50.7	60.9	71.0	75.6	71.4	66.7	57.8	43.8	34.3	52.8	96 0	Apr. 21	Nov. 5
Bridgeton	33.8	30.8	46.2	54.9	65.2	72.9	78.9	73.4	67.6	60.2	46.2	36.6	55.6	100 3	Apr. 17	Nov. 2

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
New Jersey—Continued.																	
Brown's Mills	32.4	28.6	42.0	51.4	64.2	71.4	78.0	71.0	65.8	.....	.....	.....	.....	106	− 2	Apr. 22	.....
*Cape May City	35.4	31.2	42.8	51.2	59.8	68.2	73.0	70.8	66.8	59.6	47.6	38.8	53.8	89	6	Apr. 5	Nov. 5
Cape May C. H.	34.4	31.4	45.0	53.5	62.0	69.7	76.7	71.4	66.0	59.8	46.5	37.8	54.5	93	5	Apr. 17	Nov. 2
Charlotteburg	27.8	23.6	38.0	47.6	59.4	66.2	72.6	67.2	63.6	53.4	40.4	30.8	49.2	94	− 8	May 2	Sept. 30
Clayton	31.3	29.8	44.6	53.4	63.4	70.6	76.8	71.6	65.8	58.2	44.8	34.7	53.8	98	3	Apr. 17	Oct. 13
College Farm	30.4	27.2	41.9	50.4	60.6	69.6	75.1	69.6	64.2	.....	.....	.....	.....	98	− 5	Apr. 21	Oct. 13
Dover	26.9	23.4	36.8	47.6	59.6	67.8	73.0	66.6	61.8	53.0	39.5	29.4	48.8	98	− 4	Apr. 18	Oct. 13
Elizabeth	32.2	28.8	42.6	53.3	63.0	73.6	77.8	72.5	67.1	57.6	43.1	34.4	53.8	100	0	Apr. 18	Oct. 13
Englewood	32.2	27.3	39.0	49.8	58.4	67.9	73.4	69.0	62.7	54.8	40.4	30.8	50.5	94	0	Apr. 21	Oct. 13
Flemington	31.2	27.8	41.8	51.2	62.4	70.6	76.8	71.4	66.2	57.2	41.8	32.6	52.6	99	− 5	Apr. 21	Oct. 13
Friesburg	33.2	29.9	44.8	53.2	63.6	70.8	76.9	71.2	65.8	58.9	45.0	35.7	54.1	98	1	Apr. 17	Oct. 13
Haddonfield	.....	30.4	43.5	52.7	63.0	70.8	76.6	71.5	66.0	58.3	44.0	35.0	.....	97	4	Apr. 17	Oct. 13
Hightstown	32.0	28.6	42.6	52.1	62.3	70.2	76.5	71.2	65.7	58.1	43.8	34.3	53.1	98	0	Apr. 17	Oct. 3
Imlaystown	31.6	27.9	.....	51.6	62.8	71.0	77.0	71.2	65.6	57.8	43.7	33.8	.....	99	0	Apr. 21	Oct. 13
Indian Mills	32.5	30.3	44.6	53.2	63.5	70.6	76.6	71.4	65.7	58.1	45.2	35.4	53.9	100	2	Apr. 22	Oct. 3
Jersey City	32.4	28.6	42.0	51.8	62.6	72.8	77.6	73.0	68.0	59.0	44.3	35.4	54.0	96	1	Apr. 21	Nov. 2
Lambertville	31.8	28.6	42.8	52.2	62.8	71.2	76.8	71.0	65.5	57.7	42.6	33.7	53.1	98	0	Apr. 22	Oct. 13
Layton	26.4	22.0	36.0	47.4	59.3	66.1	72.6	67.2	63.3	52.6	38.8	28.6	48.4	98	−17	May 5	Sept. 30
Long Branch	33.5	29.6	43.2	51.4	60.2	68.8	.....	71.6	66.8	60.0	45.1	37.1	.....	.....	3	Apr. 17	Oct. 31
Moorestown	32.3	29.4	43.6	52.8	62.6	70.2	76.2	71.2	66.0	58.4	43.7	34.7	53.4	96	1	Apr. 17	Oct. 13
Newark	32.4	28.0	41.4	51.6	62.0	71.6	76.4	72.8	67.5	57.9	43.6	34.7	53.3	99	− 2	Apr. 21	Oct. 13
New Brunswick	31.8	27.3	41.6	50.2	61.0	69.6	76.1	71.0	65.4	57.0	42.7	34.0	52.3	98	− 2	Apr. 21	Oct. 3
Newton	28.2	23.6	37.7	47.8	60.0	67.7	74.0	69.2	65.0	54.4	40.4	30.6	49.9	97	−10	Apr. 21	Oct. 13
Oceanic	32.6	29.8	42.8	51.5	60.2	70.2	75.8	70.8	65.9	59.0	44.2	36.0	53.2	97	4	Apr. 17	Nov. 5
Paterson	32.4	28.2	41.4	51.9	62.6	71.7	76.2	71.1	66.8	57.8	43.4	34.3	53.2	99	− 2	Apr. 21	Oct. 13
*Phillipsburg	30.2	26.8	41.4	50.8	62.1	70.8	76.1	70.8	65.8	56.3	41.0	31.0	51.9	98	− 3	Apr. 21	Oct. 13
Plainfield	30.2	27.0	40.4	50.7	60.8	69.9	75.4	70.6	65.5	56.6	42.4	32.8	51.9	100	− 2	Apr. 21	Oct. 13
River Vale	.....	25.2	37.2	47.9	61.1	66.6	73.4	68.0	64.0	54.4	39.8	.....	.....	98	−11	Apr. 21	Oct. 3
Somerville	30.8	28.0	41.6	51.4	62.2	71.0	76.9	71.5	66.9	57.1	41.6	33.0	52.7	100	− 1	Apr. 21	Oct. 13
South Orange	30.2	26.6	40.5	49.8	60.6	69.4	74.8	69.2	65.0	56.1	42.4	33.0	51.5	95	− 2	Apr. 21	Oct. 13
Sussex	28.4	24.0	37.6	49.2	61.0	67.9	74.2	68.8	64.8	54.2	41.0	30.7	50.2	95	−10	Apr. 21	Oct. 13
Toms River	31.3	27.7	43.0	50.6	.....	69.8	75.2	.....	.....	.....	.....	.....	.....	99	− 3	.....	.....
Trenton	34.3	30.6	43.6	53.0	63.0	71.1	77.0	71.4	65.9	58.8	45.2	37.0	54.2	96	− 1	Apr. 21	Oct. 13
Tuckerton	32.6	30.2	43.2	51.4	61.0	69.0	76.3	71.0	65.4	58.3	44.2	36.6	53.3	95	3	Apr. 22	Oct. 14
Vineland	33.2	30.3	44.8	53.4	63.5	70.2	77.2	71.8	65.8	58.7	45.0	35.0	54.1	102	1	Apr. 22	Oct. 3
Woodbine	33.4	31.0	45.0	52.8	62.8	69.0	76.0	70.4	64.0	.....	.....	35.6	.....	97	4	Apr. 22	Oct. 3
New Mexico.																	
Agricultural College	42.4	46.4	55.2	61.4	65.6	75.4	78.9	77.7	71.6	57.6	48.5	44.2	60.4	103	13	Mar. 23	Oct. 20
Alamogordo	a45.2	a47.8	54.6	59.8	66.6	77.2	76.8	75.4	70.5	59.3	49.9	44.0	60.6	107	14	Apr. 9	Oct. 22
Albert	40.2	41.2	53.5	52.4	i63.4	74.4	75.6	75.4	69.8	55.8	44.4	40.6	57.2	100	3	Apr. 29	Sept. 27
Albuquerque	37.2	42.0	52.8	a56.3	b62.1	a73.4	75.6	a74.4	b67.9	.....	.....	.....	.....	99	5	Apr. 9	.....
Bell Ranch	37.6	40.8	53.2	58.0	f61.8	73.1	73.1	72.4	66.6	51.3	38.3	36.2	55.2	100	− 2	Apr. 3	Sept. 28
Blackrock	.....	.....	.....	.....	.....	65.0	72.4	69.7	65.0	a56.4	i38.6	36.4	.....	94	8	June 3	Sept. 27
Bloomfield	31.6	34.8	43.7	52.0	53.6	65.6	76.6	72.2	63.7	47.4	33.6	29.8	50.4	100	− 6	June 4	Sept. 27
Bluewater	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.4	30.6	.....	.....	.....	.....	.....
Carlsbad	43.6	47.4	61.0	63.2	69.4	79.9	77.2	77.4	71.1	60.6	51.0	45.4	62.3	105	13	Mar. 2	Oct. 23
Carrizozo	.....	.....	.....	.....	.....	70.1	72.1	71.0	64.8	52.6	43.3	37.8	.....	97	11	.....	Sept. 28
Chama	21.9	25.8	35.5	43.6	c44.9	c55.7	64.2	61.0	57.1	42.5	36.1	22.3	42.6	87	−11	June 22	Sept. 27
Cimarron	33.2	34.2	45.4	48.7	53.6	63.0	66.4	65.6	60.6	48.4	37.2	33.7	49.2	90	− 2	May 21	Sept. 27
Cliff	42.6	44.0	52.2	57.2	60.4	68.9	75.6	75.8	68.8	53.9	47.0	d42.8	57.4	101	9	Apr. 4	Oct. 1
Cloudcroft	29.4	31.0	39.5	42.4	48.0	58.1	57.3	56.6	.....	.....	.....	.....	.....	82	2	May 29	.....
Datil	.....	b35.0	a43.4	.....	d50.8	b59.6	65.4	b65.2	b58.4	.....	.....	.....	.....	.....	.....	June 22	Sept. 26
Deming	41.8	43.6	52.6	56.4	64.4	76.6	72.2	72.6	70.3	56.2	46.7	41.9	57.9	106	13	Mar. 19	Oct. 19
Dorsey	30.4	33.2	45.0	b48.1	i53.6	65.8	68.1	a68.0	61.8	b49.1	37.4	34.1	49.5	91	− 7	May 7	Sept. 27
Dulce	20.8	28.5	40.7	45.6	50.0	.....	69.3	.....	.....	.....	.....	.....	.....	99	−18	May 29	.....
Duran	.....	.....	.....	.....	.....	.....	.....	69.8	62.7	51.7	43.9	38.8	.....	.....	.....	.....	Sept. 27
Eagle Rock Ranch	31.2	31.8	.....	.....	.....	64.8	67.4	67.4	59.8	.....	.....	.....	.....	93	− 7	June 5	Sept. 27
Elizabethtown	20.1	24.4	36.2	39.4	c44.6	53.2	47.2	50.0	49.0	37.5	27.0	22.2	37.6	79	−20	June 24	Sept. 27
Elk (near)	39.8	41.2	.....	.....	59.6	69.6	67.7	67.1	62.5	52.9	41.6	39.0	.....	96	3	May 6	Sept. 28
Espanola	30.0	34.4	45.2	50.2	54.3	b64.5	a70.4	69.4	62.0	48.2	a34.8	29.3	49.4	94	− 9	May 18	Sept. 27
Estancia	30.5	37.6	.....	.....	.....	63.1	60.6	.....	.....	.....	.....	.....	.....	94	7	.....	.....
Fairview	b36.4	a37.9	48.5	.....	i55.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	May 21	.....
Fort Bayard	39.8	40.8	(48.8)	55.6	58.0	69.2	70.2	69.2	65.2	53.0	45.2	40.1	(54.6)	96	10	Apr. 10	Oct. 19
Fort Stanton	36.8	39.6	48.4	51.2	56.4	66.0	67.2	66.0	60.4	50.9	40.4	38.4	51.8	94	5	May 15	Sept. 27
Fort Union	30.8	31.2	42.2	46.0	50.0	60.0	63.4	62.1	56.0	44.2	34.2	31.8	46.0	89	− 3	June 5	Sept. 27
Fort Wingate	33.8	35.6	44.2	47.8	51.0	63.8	73.6	65.4	60.5	46.3	38.9	33.8	49.6	87	3	June 4	Sept. 27
Frisco	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	f37.8	30.0	.....	.....	.....	.....	.....
Fruitland	a32.0	34.1	43.4	51.9	54.4	66.6	a74.4	b69.2	63.2	46.0	i36.0	a27.6	(50.0)	95	− 3	June 1	Sept. 27
Gage	42.4	44.7	53.8	56.8	63.8	74.2	77.9	76.3	70.6	54.9	46.4	40.5	58.5	101	14	Mar. 28	Oct. 19
Gallinas Planting Station	31.8	32.5	42.4	a45.0	49.6	b60.3	a62.0	61.8	57.4	45.8	36.2	a34.0	46.6	85	1	May 14	Sept. 27
Glen	38.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hillsboro	a4'.7	43.2	53.8	56.6	61.8	72.6	73.8	72.3	67.4	55.8	46.0	41.0	57.2	97	7	Mar. 23	Oct. 22
Hondo Reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.7	43.1	.....	.....	.....	.....	.....
Laguna	33.2	37.3	42.8	52.2	55.0	66.9	72.4	70.2	65.3	d47.8	40.8	33.6	51.5	98	8	June 4	Sept. 27
Lagunita	38.8	40.0	i51.0	55.8	60.8	71.9	e72.5	71.3	i64.4	51.2	44.1	e38.4	55.0	100	4	May 7	Sept. 26
Las Vegas	33.2	33.8	46.0	49.0	54.6	66.1	67.6	67.2	61.0	48.9	37.5	35.0	50.0	92	− 3	May 21	Setp. 27
Logan	37.8	39.6	52.6	57.8	64.1	77.4	78.4	76.4	69.1	56.9	42.8	39.2	57.7	104	− 1	May 7	Oct. 23
Lordsburg	45.4	46.3	55.3	61.2	64.8	76.2	80.1	77.3	73.8	59.2	51.7	44.3	61.3	102	17	Mar. 13	Oct. 19
Los Lunas	34.2	39.0	49.0	54.6	58.8	72.4	75.8	74.6	61.8	48.8	37.2	31.1	53.1	98	9	Apr. 30	Sept. 27
Luna	a33.0	34.6	43.4	a47.4	a52.3	.....	i65.4	b64.6	a58.6	45.8	a36.6	i35.0	.....	97	−11	May 30	Sept. 18
Magdalena	35.3	38.0	47.7	b50.8	f56.3	66.6	68.6	67.4	60.7	48.8	39.2	35.8	51.3	91	10	May 21	Sept. 27
Manuelito	.....	37.4	43.0	47.5	49.8	61.0	71.1	68.6	60.4	45.1	37.6	.....	.....	98	− 7	June 22	Sept. 27
Melrose	.....	.....	.....	.....	.....	.....	g73.2	73.3	67.0	54.6	42.7	39.0	.....	98	12	.....	Oct. 21
Miami Ranch	.....	i33.6	45.4	a48.7	a54.4	65.0	a66.6	a66.7	60.1	a48.0	d36.6	a33.7	.....	91	− 3	May 20	Sept. 27
Monument	44.7	46.6	58.6	61.0	67.4	77.6	76.8	75.8	70.7	60.2	49.1	44.2	61.1	102	11	Apr. 2	Oct. 23
Mountainair	34.7	38.1	47.1	50.8	56.0	67.1	69.0	67.8	62.6	45.8	39.6	34.6	51.1	95	7	May 13	Sept. 27
Nara Visa	39.2	a36.6	50.9	a55.4	a64.4	74.4	73.9	72.9	69.2	b57.2	a43.5	39.4	56.4	103	2	Apr. 29	Oct. 23
Orange	41.0	a45.2	49.6	i53.4	65.4	78.2	80.7	78.2	b71.8	.....	k42.4	43.6	.....	110	5	May 15	.....
Rincon	43.6	46.6	57.2	61.5	65.8	75.3	78.2	76.9	69.4	57.4	47.2	43.0	60.2	101	15	Mar. 24	Sept. 28
Rio Grande Dam	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.2	47.6	42.1	.....	.....	.....	.....	Oct. 24

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
New Mexico—Continued.																	
Rociada	30.5	31.5	44.2	44.8	49.0	58.3	61.2	60.6	54.6	44.5	33.2	31.8	45.4	85	−21	June 13	Sept. 27
Rosedale	36.0	37.4	48.5	49.6	55.5	66.4	65.8	64.9	60.8	49.6	40.8	35.4	50.9	88	8	May 4	Sept. 27
*Roswell	40.8	43.4	57.0	58.9	66.1	75.4	75.1	75.2	67.8	56.8	45.3	41.6	58.6	101	12	Mar. 23	Oct. 20
San Jon	39.7	41.7	54.2	57.7	64.8	77.1	[h]77.0	76.7	70.0	[e]59.4	43.8	41.2	58.6	105	3	May 6	Oct. 22
San Marcial	39.6	44.8	55.2	60.5	[d]63.8	73.4	77.6	78.2	68.2	53.8	44.0	39.0	58.2	104	11	Mar. 29	Oct. 21
San Rafael	33.6	38.2	46.0	50.8	54.0	65.4	71.4	69.1	64.7	52.5	41.4	36.1	51.9	98	5	May 21	Oct. 22
*Santa Fe	30.4	33.4	42.4	46.6	51.0	63.0	65.9	66.0	61.2	46.4	36.6	30.6	47.8	86	− 1	May 4	Sept. 27
Santa Rosa	.....	41.2	53.0	57.6	62.4	75.0	74.8	73.6	68.5	55.9	43.2	42.2	.....	101	10	Apr. 2	Oct. 21
Socorro	36.6	41.0	[e]55.0	56.2	61.6	72.2	76.6	73.7	65.6	52.8	[e]45.9	39.6	56.4	102	13	Apr. 26	Sept. 27
Springer	[c]29.7	[e]32.9	45.3	50.2	56.4	67.9	69.6	68.2	59.8	47.9	33.6	31.6	49.4	99	− 6	June 6	Sept. 27
Sunnyside	.....	.....	.....	.....	[f]73.0	75.8	75.2	[f]75.6	[f]66.0	56.3	[a]44.7	.....	.....	102	12	.....	Oct. 22
Taos	26.4	32.6	42.2	47.8	51.8	62.3	67.2	65.6	62.8	46.4	33.7	26.2	47.1	92	0	June 5	Sept. 27
Tres Piedras	23.0	23.4	36.1	[d]40.6	[d]47.8	58.1	65.0	63.2	58.2	45.0	31.8	19.6	42.6	92	−12	June 19	Sept. 27
Tucumcari	43.8	44.2	56.4	57.1	64.2	77.6	76.9	77.4	71.2	58.7	46.1	42.6	59.7	103	10	May 6	Oct. 21
Tularosa	.....	.....	.....	[f]58.9	64.9	75.8	[e]75.7	75.3	70.2	58.6	49.6	43.4	.....	101	17	.....	Oct. 23
Vermejo Park	28.7	33.9	40.6	44.0	49.0	58.2	61.4	61.4	55.4	43.6	33.5	31.0	45.1	86	− 4	June 19	Sept. 18
Winsor's	[f]26.2	[f]27.2	[a]35.2	39.4	43.4	[d]55.8	[f]56.8	56.7	53.7	(38.9)	31.4	33.4	(41.5)	80	− 8	June 6	Sept. 19
New York.																	
Adams Center	20.6	19.6	32.8	42.5	59.1	67.9	71.5	67.8	66.3	54.4	40.9	26.2	47.5	93	−28	May 5	Oct. 3
Addison	24.8	21.4	36.4	46.4	59.6	68.5	72.2	67.7	64.9	53.0	41.0	30.0	48.8	98	−22	May 5	Oct. 3
*Albany	25.0	19.6	35.4	45.6	61.1	69.4	74.6	69.6	65.9	53.6	40.4	28.6	49.1	93	−15	Apr. 21	Oct. 13
Allegany	24.0	20.0	36.4	45.5	58.4	64.2	69.5	65.0	62.3	50.8	39.2	28.8	47.0	93	−23	May 5	Sept. 17
Amsterdam	22.4	16.6	31.8	42.8	58.0	66.6	71.3	67.4	63.0	51.6	37.5	25.3	46.2	94	−21	Apr. 22	Oct. 3
Angelica	22.4	19.2	34.8	43.5	57.4	64.5	68.4	63.3	[a]59.5	[b]49.4	37.6	26.9	45.6	93	−22	May 5	Oct. 14
Appleton	26.5	21.6	34.0	42.8	55.8	66.8	71.2	67.6	[a]64.6	52.9	40.7	30.1	47.9	94	− 4	May 5	Oct. 13
Athens	26.8	20.8	35.4	46.6	61.0	68.2	74.0	68.8	66.0	54.1	40.6	29.4	49.3	92	−18	Apr. 21	Oct. 13
Atwater	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	May 25	Oct. 2
Auburn	26.0	20.9	34.0	44.2	59.3	67.1	71.2	67.6	64.7	52.6	40.0	28.2	48.0	93	−13	May 5	Oct. 3
Avon	25.0	20.8	34.0	44.0	57.5	66.9	70.1	65.2	63.6	52.4	39.9	28.8	47.4	91	−18	May 5	Oct. 3
Baldwinsville	25.5	20.4	34.4	44.7	60.2	69.2	73.6	69.6	65.6	53.9	.....	26.8	.....	95	−18	Apr. 25	Oct. 13
Ballston Lake	22.0	[a]16.4	32.0	43.4	59.0	65.3	71.2	66.5	62.0	51.0	37.3	24.9	45.9	93	−30	May 2	Sept. 30
Bedford	25.1	20.9	34.8	48.6	61.0	69.0	77.2	73.6	69.8	56.1	40.5	33.2	50.8	96	−15	Apr. 21	Oct. 11
Benson Mines	.....	.....	[b]27.2	.....	.....	61.0	67.1	62.4	60.5	49.0	33.7	19.7	.....	93	−26	June 12	Sept. 15
*Binghamton	25.0	18.8	34.8	44.7	58.6	66.2	71.6	66.4	63.4	51.5	39.6	28.4	47.4	91	−21	May 5	Oct. 3
Blue Mountain Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bolivar	.....	.....	.....	46.6	.....	.....	69.0	.....	.....	50.4	38.7	28.0	.....	93	.....	.....	.....
Bouckville	19.5	15.8	29.6	40.4	55.3	63.8	69.2	64.9	63.2	50.2	35.6	24.0	44.3	93	−24	May 10	Sept. 30
Brockport	25.8	21.6	34.4	45.8	58.3	68.0	71.8	67.2	65.9	54.2	41.2	[d]28.6	48.4	93	− 9	May 4	Oct. 3
*Buffalo	26.5	21.4	33.2	40.8	56.2	66.3	71.0	67.7	66.2	54.0	41.8	29.6	47.9	88	− 8	May 1	Oct. 31
*Canton	15.2	11.6	27.2	39.0	56.7	64.4	70.4	65.0	62.4	49.5	37.0	18.9	43.1	92	−40	May 5	Oct. 3
Cape Vincent	18.8	12.4	28.6	39.6	54.6	64.6	70.2	66.8	64.1	52.6	39.4	24.2	44.7	87	−33	May 5	Oct. 21
Carmel	26.0	22.1	35.6	46.6	60.4	70.0	74.8	69.5	64.2	53.2	39.4	28.0	49.2	96	− 9	Apr. 21	Oct. 13
Carvers Falls	19.9	14.7	33.0	44.6	60.6	64.4	71.9	65.4	62.6	51.0	37.6	23.4	45.8	95	−35	May 21	Sept. 20
Chatham	26.0	21.8	35.0	46.6	61.2	68.3	74.0	69.0	66.0	53.9	40.6	28.9	49.3	96	−17	May 5	Oct. 3
Chazy	15.7	13.7	28.0	40.2	57.9	66.4	73.4	66.6	63.4	51.4	36.8	18.3	44.3	95	−28	Apr. 24	Sept. 20
Cooperstown	20.6	16.3	30.6	41.0	56.4	64.4	69.2	64.3	61.5	49.0	36.6	25.2	44.6	90	−23	May 5	Sept. 30
Corinth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cortland	22.1	18.2	[b]33.5	44.6	59.5	66.9	71.5	66.4	64.2	51.8	38.4	26.6	47.0	94	−20	May 5	Oct. 3
Cutchogue	31.8	27.5	38.4	46.8	58.7	68.0	74.3	70.2	65.6	57.0	43.4	35.3	51.4	94	3	Apr. 21	Oct. 13
Dannemora	15.6	13.9	[e]27.0	[a]37.6	57.4	64.8	70.3	65.4	64.5	[a]50.6	34.2	18.8	43.3	90	−22	May 5	Oct. 3
De Ruyter	22.2	17.4	30.9	41.0	56.3	63.3	69.0	64.5	62.5	50.6	37.6	26.2	45.1	93	−21	May 5	Sept. 30
Elba	23.6	19.0	31.6	43.8	58.6	68.8	72.6	67.8	66.0	53.2	39.4	27.5	47.7	96	−17	May 5	Oct. 3
Elmira	24.8	22.2	38.0	47.4	61.4	69.8	.....	68.1	66.0	53.6	42.2	31.5	.....	98	−16	May 5	Oct. 3
Faust	12.8	10.7	26.0	.....	.....	.....	66.4	60.9	60.3	.....	.....	.....	.....	89	−40	.....	.....
Fayetteville	24.4	19.8	34.1	45.0	60.8	69.2	73.0	68.9	66.0	54.4	39.8	28.7	48.7	96	−20	May 4	Sept. 30
Fort Plain	23.8	18.7	35.0	45.6	60.2	68.0	73.3	69.1	63.6	51.4	39.4	27.8	48.0	94	−17	May 5	Oct. 13
Franklinville	21.8	16.8	32.8	43.3	55.8	64.3	67.8	63.2	61.6	50.0	37.2	[e]24.1	44.9	90	−23	May 5	Sept. 17
Gabriels	.....	.....	.....	53.8	[f]57.8	[e]63.4	.....	.....	.....	48.0	33.8	17.5	.....	.....	.....	.....	.....
Glens Falls	21.2	15.4	32.1	43.6	60.2	67.5	73.3	67.8	63.7	53.0	38.4	25.2	46.8	95	−28	May 5	Oct. 3
Gloversville	19.0	14.6	29.0	40.8	56.8	65.2	70.8	69.8	61.1	49.6	35.6	22.6	44.6	94	−28	May 5	Sept. 30
Greenfield	21.4	16.0	31.0	43.0	58.9	66.0	71.8	66.2	63.8	52.2	37.6	25.0	46.1	94	−26	May 5	Oct. 3
Greenwich	[f]22.0	17.5	[b]32.6	43.0	59.8	[d]65.2	[b]74.4	[e]63.4	.....	.....	.....	.....	.....	92	−21	May 5	Oct. 3
Griffin Corners	20.8	16.1	30.2	42.0	56.6	63.9	68.0	64.2	61.2	[a]50.2	36.2	25.4	44.6	92	−28	June 3	Sept. 30
Harkness	17.4	15.0	29.8	39.8	57.6	64.6	72.0	65.9	64.8	50.9	37.4	21.5	44.7	95	−28	May 3	Oct. 10
Hemlock Lake	25.8	19.9	33.9	43.5	57.2	67.2	71.2	66.9	65.0	52.2	40.6	29.4	47.7	89	−19	May 5	Oct. 3
Hunt	26.2	23.8	37.2	45.2	59.2	70.4	71.2	66.4	66.6	54.5	41.4	29.5	49.3	92	−20	May 5	Oct. 3
Indian Lake	15.2	12.4	26.4	36.8	58.9	62.4	68.2	61.8	58.5	47.1	33.0	19.4	41.7	96	−42	June 17	Sept. 15
*Ithaca	25.0	20.8	35.0	44.2	58.8	67.6	72.6	67.3	65.2	52.6	40.3	29.3	48.2	96	−13	May 5	Oct. 10
Jamestown	25.6	22.4	37.4	46.8	59.8	[e]67.8	[f]71.8	[e]67.3	65.6	53.6	40.0	29.6	49.0	92	−15	.....	.....
Jeffersonville	24.0	18.6	32.2	44.4	57.2	64.9	71.0	65.4	62.4	51.0	37.0	25.0	46.1	94	−22	May 11	Sept. 16
Keene Valley	18.5	15.4	29.6	38.0	56.0	62.8	69.1	63.8	62.4	.....	37.2	[d]23.2	.....	94	−35	June 3	Sept. 15
Keepawa	12.8	10.6	25.0	34.8	53.9	60.4	65.0	60.2	57.6	46.2	31.4	18.1	39.7	89	−42	June 3	Sept. 14
Keuka Park	24.6	20.9	35.0	44.8	59.0	67.4	72.1	67.0	65.8	53.3	40.8	30.2	48.4	95	−17	May 5	Oct. 13
Lake George [a]	20.6	13.7	31.9	42.2	58.6	66.2	72.6	67.4	.....	.....	.....	.....	.....	98	−34	.....	.....
Lake George [b]	.....	15.4	30.8	42.5	57.8	66.5	72.4	67.6	64.3	51.4	38.8	25.8	.....	96	−30	May 3	Oct. 3
Lake Pleasant	.....	19.0	27.6	34.9	52.6	62.9	67.3	65.2	65.8	58.3	.....	16.2	.....	88	−20	June 4	Oct. 19
Le Roy	24.3	20.6	34.4	44.0	58.3	66.9	70.6	66.6	65.5	53.8	40.3	28.3	47.8	90	−14	May 5	Oct. 3
Liberty	21.8	16.4	30.6	40.6	55.2	63.8	70.0	66.4	62.8	51.4	38.6	24.2	45.2	92	−15	May 9	Oct. 3
Little Falls	21.0	16.1	30.2	42.1	57.4	65.6	70.8	66.4	63.0	51.0	36.7	24.5	45.4	93	−21	May 4	Oct. 3
Lockport	25.9	21.0	33.4	43.1	57.4	67.9	70.8	[e]66.9	[e]65.1	52.6	40.0	29.2	47.7	91	− 7	May 4	Oct. 12
Lowville	15.4	13.4	28.4	.....	57.0	64.2	69.6	64.1	61.5	50.0	36.1	20.5	.....	94	−32	June 3	Sept. 20
Lyons	26.2	21.4	34.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Middletown	27.0	23.0	.....	.....	60.1	69.0	74.4	69.4	66.2	.....	.....	.....	.....	96	−10	.....	.....
Mohawk Lake	24.8	[e]20.4	[e]35.0	44.8	[a]57.8	[a]67.0	[e]70.5	[e]66.4	[e]63.4	52.9	38.4	27.4	47.4	87	−16	Apr. 21	Oct. 21
Moira	15.4	12.6	26.9	41.0	57.2	65.7	71.5	66.4	64.8	50.6	36.8	17.9	43.9	95	−29	May 3	Oct. 3
Morehouseville	15.2	11.2	[a]26.2	35.5	53.4	60.1	65.0	60.8	58.6	46.4	31.1	19.2	40.2	90	−39	June 17	Sept. 30
Mount Hope	30.2	24.4	37.1	48.6	59.8	68.1	75.4	69.0	63.9	54.4	41.7	32.3	50.4	98	− 6	Apr. 22	Oct. 13
New Lisbon	19.6	15.3	30.2	40.3	55.1	61.0	66.4	62.1	59.4	47.2	35.4	24.2	43.0	92	−29	June 3	Sept. 16
*New York	32.0	28.1	41.4	50.6	61.3	71.6	76.8	72.5	67.8	59.6	44.7	35.2	53.5	93	1	Apr. 5	Oct. 5
North Creek	19.0	15.2	30.2	40.3	57.8	64.4	70.0	64.2	61.6	50.8	35.6	23.4	44.4	92	−32	May 2	Sept. 20

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
New York—Continued.																	
North Hammond												[b]21.7					
North Lake	13.0			36.0	54.0	61.2	66.0	62.4	59.6	48.8	39.6	20.4		88	−35	June 3	Sept. 29
Norwich	21.8	18.6	[a]31.8	43.0	[c]58.8	[b]65.1	70.2	[a]64.9	62.4	[a]49.6	[b]38.5	[c]27.8	46.0	96	−18	May 4	Oct. 13
Ogdensburg	19.0	13.8	27.5	41.3	59.4	69.4	72.8	69.2	64.2	53.2	38.1	22.0	45.8	96	−37	May 5	Oct. 5
Old Forge	14.0	12.5	26.6	35.5	54.4	61.6	66.7	62.3	59.2	48.0	32.8	20.8	41.2	92	−38	June 3	Sept. 15
Oneonto	23.2	19.7	34.2	43.3	58.6	66.4	71.3	67.0	63.9	51.0	39.2	27.6	47.2	96	−21	May 5	Sept. 15
*Oswego	24.6	18.2	33.0	41.7	56.2	64.6	70.2	67.4	64.2	52.8	41.2	28.1	46.8	91	−18	Apr. 21	Oct. 13
Otto	23.9	[d]23.6	35.0	45.0	58.2	68.8	71.8	.....	65.2	53.4	41.2	27.3	.....	88	−16	May 2	Sept. 12
Oxford	23.3	19.7	32.4	43.3	58.0	64.4	69.8	65.5	63.0	50.6	37.6	27.1	46.1	90	−22	May 5	Oct. 13
Oyster Bay			41.5		61.4					59.0	45.4						
Perry City	21.6	17.9	31.8	41.6	57.4	64.7	68.8	63.4	59.6	50.0	38.8	27.5	45.3	95	−20	May 20	Sept. 16
Philadelphia	18.6	12.8	29.8	41.0	57.6	65.0	70.0	67.4	64.9	52.7	37.0	23.8	45.0	92	−37	May 5	Oct. 3
Plattsburg	17.1	11.8	29.1	42.5	58.6	65.8	70.9	64.4	61.6	50.0	37.4	20.6	44.2	95	−25	May 3	Sept. 30
Port Jervis	27.2	23.2	36.4	48.0	60.9	68.5	73.8	69.6	65.6	54.1	39.0	30.8	49.8	100	−14	Apr. 22	Oct. 13
Potsdam	16.0	13.4	29.2	41.0	[a]58.2	[b]65.6	71.6	66.8	64.0	51.0	37.2	20.4	44.5	94	−35	May 5	Oct. 5
Raquette Lake	15.8	12.5	25.9	36.2	54.8	63.1	67.2	62.5	61.6	49.5	.....	20.4	.....	88	−35	May 6	Oct. 3
*Rochester	25.6	21.2	35.1	44.3	58.8	68.0	71.9	68.1	66.0	54.3	41.3	29.4	48.6	92	− 5	Apr. 21	Oct. 13
Romulus	25.6	22.2	35.4	47.3	59.1	[c]68.6	[a]73.6	68.4	66.6	53.4	41.5	30.2	49.3	94	−10	May 5	Oct. 3
Rose	25.5	20.4	[c]32.8	43.9	58.8	[a]66.3	[a]70.8	[c]66.6	[a]64.6	[c]51.6	[b]39.6	.....	.....	92	−15	May 5	Oct. 3
Salisbury	.....	15.2	[a]29.3	40.0	55.7	63.6	68.6	65.2	61.2	51.0	34.9	21.9	.....	92	−33	May 11	Sept. 30
Salisbury Mills	29.3	23.7	37.1	48.8	60.1	69.8	74.4	69.4	65.4	53.4	40.3	30.5	50.2	94	−14	Apr. 21	Oct. 6
Saranac Lake	14.8	11.4	27.3	38.2	55.6	61.4	67.8	62.3	59.4	.....	34.0	19.0	.....	91	−36	June 3	Sept. 15
Scarsdale	28.2	24.4	37.0	47.7	59.6	67.2	74.8	67.4	62.5	54.6	39.8	30.4	48.6	94	− 7	Apr. 22	Oct. 3
Setauket	31.8	28.1	39.2	48.5	59.1	68.2	74.4	69.8	65.4	56.7	44.3	35.4	51.7	94	2	Apr. 21	Nov. 5
Shortsville	25.0	21.0	34.8	44.2	58.6	67.1	71.1	67.2	65.8	53.2	40.4	29.4	48.2	91	−12	May 5	Oct. 20
Southampton	32.2	28.8	38.6	46.8	56.8	66.1	73.3	69.7	64.8	57.2	43.6	35.8	51.1	90	3	Apr. 21	Oct. 14
South Canisteo	23.0	19.6	34.4	44.2	56.6	63.6	68.5	[a]63.8	[a]62.8	51.2	[a]38.6	27.2	46.1	93	−21	May 10	Sept. 30
Spier Falls	21.2	16.0	32.0	42.4	58.8	65.2	71.6	67.8	62.6	53.0	37.2	24.2	46.0	94	−31	May 5	Oct. 3
*Syracuse	24.8	19.2	34.0	43.0	58.2	66.6	71.6	67.6	65.4	53.8	40.8	28.2	47.8	92	−17	Apr. 21	Oct. 21
Taberg	19.9	17.0	30.6	41.8	57.6	65.2	.....	.....	.....	.....	.....	.....	.....	.....	−35	.....	.....
Ticonderoga	20.6	13.8	31.6	41.1	58.2	66.4	74.8	68.4	63.1	51.6	39.6	25.2	46.2	101	−32	May 6	Oct. 3
Volusia	24.4	20.6	34.2	44.2	57.6	66.0	69.8	66.7	65.8	53.8	38.2	27.6	47.4	90	− 7	May 4	Sept. 29
Wading River	28.1	26.8	39.6	48.6	60.1	67.7	74.4	69.2	66.5	56.1	42.6	34.7	51.1	96	3	May 2	Oct. 13
Wappingers Falls	28.0	21.9	37.4	49.0	60.4	69.5	74.8	69.7	64.5	53.4	41.0	28.8	49.9	92	−20	Apr. 21	Oct. 13
Watertown	20.3	16.6	31.6	41.6	58.8	66.8	70.7	67.2	64.8	53.2	39.3	25.5	46.4	92	−22	May 5	Oct. 3
Waverly	24.2	20.6	35.7	45.9	59.0	67.7	73.4	67.4	64.1	51.9	39.0	28.3	48.1	98	−19	May 5	Sept. 16
Wedgwood	22.4	19.1	32.6	43.4	57.3	66.8	71.8	66.9	66.0	52.6	38.9	27.1	47.1	97	−12	May 4	Oct. 3
West Berne	22.7	18.0	32.7	43.0	57.8	64.6	70.4	65.6	62.2	51.2	38.0	27.2	46.1	93	−27	May 5	Sept. 16
Westfield	26.6	21.5	36.2	44.8	58.2	[b]67.3	70.2	66.9	[a]66.6	[c]54.0	41.0	[b]30.4	48.6	92	− 8	May 3	Oct. 12
West Point	28.0	23.8	37.6	48.2	62.0	72.5	77.7	71.2	66.3	55.2	41.9	30.8	51.3	99	− 6	Apr. 21	Nov. 5
Windham	22.8	18.8	32.9	43.0	57.4	63.8	69.0	63.4	60.4	49.6	37.8	27.2	45.5	92	−28	May 5	Sept. 15
North Carolina.																	
*Asheville	34.0	33.4	53.2	58.8	63.8	69.1	72.4	71.4	64.6	54.2	49.0	41.3	55.4	90	5	Apr. 4	Oct. 3
Banners Elk	28.4	28.0	47.2	52.7	58.0	63.0	66.8	65.7	59.6	49.6	43.0	35.4	49.8	86	− 3	May 1	Sept. 30
Beaufort	46.6	45.2	57.0	65.1	70.8	76.9	81.0	80.0	73.8	66.0	58.2	52.4	64.4	92	22	Feb. 28	[1]
Brevard	36.8	34.3	54.2	59.0	63.5	67.6	71.8	71.3	64.6	54.8	48.4	42.8	55.8	90	− 1	May 1	Sept. 29
Brewers	36.2	34.5	50.8	59.4	[c]67.0	70.8	75.4	72.7	67.7	58.2	50.8	43.0	57.2	97	1	Apr. 4	Oct. 9
Caroleen	37.8	38.2	55.2	63.4	68.8	74.6	78.2	76.0	69.4	58.2	52.0	45.0	59.7	96	9	Apr. 4	Oct. 4
Chalybeate Springs	40.2	40.0	58.2	63.2	68.4	74.2	78.0	75.8	69.2	59.6	52.8	45.0	60.4	98	9	May 1	Nov. 2
Chapel Hill	39.4	.....	.....	.....	.....	.....	.....	.....	.....	60.6	53.0	44.9	.....	.....	.....	.....	Nov. 5
*Charlotte	40.5	38.4	57.6	63.4	68.8	74.4	77.9	75.6	69.6	59.5	53.2	45.9	60.4	95	17	Mar. 22	Nov. 15
Clinton	43.2	43.6	59.9	66.2	[a]69.6	[f]75.6	.....	[f]75.8	71.8	[b]63.0	.....	.....	.....	.....	.....	Apr. 4	.....
Eagletown	39.9	39.6	55.8	61.6	67.6	72.4	78.3	75.4	69.0	60.2	50.8	44.0	59.6	94	17	Apr. 4	Nov. 1
Edenton	40.9	41.6	54.9	60.7	67.4	73.5	[a]79.4	75.7	69.3	61.0	52.4	46.2	60.2	92	18	Apr. 4	Nov. 2
Fayetteville	42.0	41.8	60.2	65.8	70.8	75.9	79.3	77.4	70.8	61.6	55.0	47.6	62.4	97	15	Mar. 22	Nov. 6
*Goldsboro	41.2	41.2	56.3	65.2	70.2	76.4	79.9	77.1	70.3	61.4	[c]54.0	48.6	61.8	100	13	Apr. 4	Nov. 7
*Greensboro	37.7	36.0	54.4	62.0	68.2	74.2	78.2	74.8	68.8	58.9	50.9	43.4	59.0	97	13	Mar. 22	Nov. 5
*Hatteras	46.4	43.8	55.0	62.6	69.4	73.8	80.0	78.8	72.8	65.8	57.2	51.5	63.1	89	24	Feb. 23	[1]
Henderson	38.0	36.6	54.6	60.9	66.4	73.0	77.8	73.6	67.4	58.2	50.8	42.4	58.3	95	14	Apr. 4	Nov. 1
Hendersonville	36.0	35.4	53.6	54.8	63.8	69.0	73.2	71.4	65.0	57.4	49.2	42.5	56.2	90	1	Apr. 13	Oct. 3
Horse Cove	35.4	32.8	53.4	56.7	61.8	66.8	69.6	68.8	63.6	54.2	50.2	42.2	54.6	85	1	May 1	Nov. 5
Hot Springs	38.1	38.2	56.0	61.9	67.7	73.4	75.7	74.5	68.7	57.6	52.0	44.6	59.0	96	5	Apr. 4	Oct. 31
Kinston	44.0	43.2	60.6	65.8	71.0	77.0	79.8	78.8	73.0	62.8	54.0	48.6	63.2	101	14	Apr. 4	Nov. 16
Lenoir	36.6	38.1	53.4	61.1	66.8	.....	.....	.....	.....	57.0	50.1	42.8	.....	.....	0	Apr. 3	Oct. 4
Lexington	37.1	35.8	55.4	61.8	68.6	73.7	77.0	75.5	68.4	58.0	50.7	43.4	58.8	100	7	Apr. 5	Oct. 31
Lincolnton	32.4	.....	.....	63.4	.....	.....	.....	.....	.....	.....	54.8	45.0	.....	.....	.....	Apr. 4	Nov. 15
Louisburg	38.8	38.8	55.9	62.6	68.4	73.8	78.2	73.0	67.8	59.2	50.4	44.0	59.2	95	13	Apr. 4	Nov. 1
*Lumberton	42.4	43.0	59.4	65.8	71.8	76.4	79.8	78.8	72.4	62.1	54.4	48.6	62.9	98	17	Apr. 4	Nov. 6
*Manteo	43.7	42.5	55.1	61.2	67.3	72.2	78.6	77.6	71.2	63.8	53.8	48.6	61.3	95	20	Mar. 22	Nov. 16
Marion	38.8	36.2	56.2	61.8	67.4	72.0	75.6	74.2	68.6	58.9	52.4	44.4	58.9	96	1	Apr. 4	Nov. 5
Marshall	34.7	38.6	.....	.....	.....	.....	74.4	73.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Moncure	39.1	39.2	57.6	63.2	68.6	74.7	78.6	[a]75.7	68.8	59.3	52.2	44.2	60.1	98	10	May 1	Nov. 1
Monroe	39.8	38.0	57.1	62.0	67.4	72.8	76.6	75.0	67.0	56.9	51.1	46.0	59.1	98	9	Apr. 4	Oct. 3
Morganton	36.2	35.2	54.5	60.8	66.0	71.1	74.7	72.8	66.2	56.4	52.0	43.0	57.4	94	1	Apr. 4	Oct. 3
Mount Airy	35.6	34.4	51.7	59.4	64.8	71.3	76.0	73.1	66.4	56.6	48.4	41.2	56.6	97	− 4	Apr. 13	Oct. 3
Nashville	40.7	39.6	57.2	62.8	68.7	[f]75.6	79.0	76.1	69.6	61.6	51.7	43.5	60.5	99	14	Apr. 4	Nov. 1
*Newberne	44.4	44.1	59.4	65.2	69.2	74.9	79.1	77.8	71.4	62.3	55.4	50.0	62.8	96	16	Mar. 22	Nov. 5
Patterson	33.8	32.6	51.2	58.6	63.5	67.7	71.6	69.6	63.8	52.8	47.0	40.2	54.4	90	0	Apr. 4	Oct. 3
Pinehurst	42.4	41.4	59.6	66.2	70.2	75.4	78.8	76.6	70.2	61.7	54.4	46.9	62.0	97	15	Mar. 22	Nov. 5
*Raleigh	40.4	39.2	57.0	63.2	69.0	74.3	78.6	75.0	69.2	60.8	53.1	45.6	60.4	96	16	Mar. 21	Nov. 5
Ramseur	36.0	36.4	.....	62.2	[a]67.2	74.0	78.4	75.0	[a]67.0	[b]58.0	[a]49.8	[a]42.6	.....	97	8	May 1	Oct. 31
Reidsville	37.6	35.6	54.7	60.7	66.6	72.0	77.0	74.0	67.4	57.4	50.8	41.6	58.0	97	9	Apr. 4	Oct. 3
Rockingham	43.2	.....	61.9	.....	.....	[b]79.4	.....	80.0	73.8	63.0	56.4	49.2	.....	.....	.....	Mar. 20	Nov. 5
Salem	36.5	35.5	54.6	60.5	67.0	72.4	76.6	73.8	66.8	56.8	49.7	41.9	57.7	96	6	Apr. 4	Nov. 1
Salisbury	.....	.....	57.4	64.0	.....	74.0	78.1	[b]78.3	71.3	58.4	51.4	45.1	.....	99	.....	Apr. 4	Nov. 1
Sapphire	.....	.....	.....	57.0	61.6	65.5	[a]68.7	67.8	[a]62.6	53.4	[a]45.6	.....	.....	84	.....	May 1	Nov. 5
Saxon	36.5	34.6	54.4	59.6	65.3	70.6	77.2	72.2	65.6	55.2	48.8	41.9	56.9	96	2	Apr. 4	Oct. 4
Scotland Neck	42.3	41.0	56.3	62.6	68.8	73.2	78.4	75.0	[a]69.9	61.0	53.0	[a]46.2	60.6	95	16	Apr. 4	Nov. 1

[1] No killing frost occurred.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
North Carolina—Continued.																	
Selma				64.4	.....	d76.0	80.2	77.1	*70.0	*62.0	.....	c45.3		100			
Settle	36.6	36.0	53.2	58.6	65.4	70.5	74.1	70.6	65.1	54.7	47.9	40.4	56.1	98	10	Apr. 29	Oct. 3
Sloan	43.8	44.6	59.8	64.0	*69.2	73.6	78.0	*77.8	*71.1	61.8	55.1	50.3	62.4	95	16	Apr. 4	Nov. 1
Snow Hill	41.8	42.2	57.6	63.8	69.2	74.7	*78.8	77.0	71.0	61.4	53.2	47.4	61.5	94	14	Apr. 4	Nov. 1
Southern Pines	42.4	41.0	59.3	65.2	.....	.....	78.2	75.5	71.1	61.3	53.6	47.0	62.0	.....	14	Mar. 23	Nov. 5
Southport	47.3	45.6	58.2	66.2	71.8	77.7	82.0	80.4	74.8	65.3	58.1	53.6	65.1	99	21	Mar. 21	Nov. 6
Statesville	.....	.....	56.8	.....	66.2	72.8	77.0	75.2	68.4	58.8	k49.6	.....	.....	96	.....	.....	Nov. 5
Tarboro	42.0	41.2	56.7	63.3	70.0	75.9	81.0	77.4	71.5	62.4	53.2	46.9	61.8	102	16	Apr. 4	Nov. 1
Wash Woods	41.7	39.9	51.8	59.6	66.8	73.4	79.4	77.0	.....	.....	53.2	47.0	.....	92	20	Mar. 22	Nov. 6
Waynesville	34.0	34.0	53.8	56.9	62.4	67.3	71.8	71.6	63.8	52.4	48.3	42.2	54.9	91	1	May 1	Sept. 29
Weldon	39.0	38.6	53.8	62.0	69.8	75.8	80.2	76.2	70.8	61.5	50.5	42.9	60.1	100	16	Apr. 17	Nov. 1
Whiteville	.....	.....	.....	.....	71.3	75.2	78.4	78.8	71.7	61.3	55.2	50.5	.....	96	.....	.....	Nov. 6
Willard	.....	.....	.....	64.2	c69.8	75.2	77.8	77.4	71.0	61.0	54.8	*49.2	.....	95	14	Apr. 4	Nov. 1
*Wilmington	45.6	45.6	59.4	65.4	70.8	75.1	79.0	78.4	72.0	63.5	57.8	51.6	63.7	93	21	Mar. 21	Nov. 6
North Dakota.																	
*Amenia	14.0	12.8	22.8	44.0	53.0	62.3	70.0	65.8	62.8	46.2	34.8	b16.2	42.1	100	−29	May 22	Sept. 27
Ashley	b19.7	15.4	.....	.....	.....	.....	69.6	64.6	62.8	*44.4	31.6	.....	.....	98	.....	.....	.....
Aplin	22.5	16.6	22.8	45.0	50.4	56.6	70.8	.....	.....	.....	32.0	.....	.....	.....	.....	.....	.....
Beach	21.0	16.6	24.2	44.9	48.7	58.9	68.2	62.9	61.0	41.9	33.5	*20.2	41.8	104	−27	June 9	Aug. 22
Bertin	14.0	16.1	23.4	.....	.....	.....	.....	.....	58.2	42.8	32.2	15.0	.....	.....	−29	.....	.....
Berthold Agency	b20.6	15.2	22.8	44.8	50.4	61.0	71.4	65.0	59.3	43.5	*31.6	*16.0	41.8	104	−22	June 13	Aug. 22
*Bismarck	21.4	16.8	24.2	45.4	51.8	61.8	71.3	65.2	62.8	43.9	32.0	16.2	42.7	100	−21	May 2	Sept. 27
*Bottineau	12.2	10.8	14.2	39.8	49.9	59.0	65.8	59.0	57.1	40.0	27.2	7.9	36.9	92	−27	May 23	Aug. 22
Broncho	.....	.....	.....	.....	.....	59.2	69.2	65.0	61.8	42.4	28.4	15.8	.....	98	.....	.....	.....
Buford	20.8	16.2	23.0	45.9	51.2	60.0	70.0	65.2	60.4	43.4	34.6	20.2	42.6	97	−26	May 22	Sept. 27
Cando	*11.5	9.7	14.8	41.4	49.0	59.8	64.8	59.2	b59.0	c41.2	*28.0	*9.0	37.1	94	−34	June 14	Aug. 19
Coal Harbor	*17.2	13.4	22.6	43.8	50.0	61.0	70.3	63.8	61.1	43.0	30.3	14.8	40.9	98	−24	May 21	Aug. 22
Crosby	15.1	12.3	17.7	41.5	.....	.....	.....	61.5	57.8	40.3	31.0	16.4	.....	99	−25	.....	.....
*Devils Lake	12.9	10.1	15.2	41.4	49.6	61.2	67.7	62.3	60.2	41.6	29.4	10.8	38.5	97	−28	May 5	Aug. 22
Dickinson	22.2	16.2	23.9	44.4	49.6	60.0	70.0	64.4	61.8	42.4	32.8	17.2	42.1	102	−26	May 22	Aug. 22
Donnybrook	16.4	12.6	17.6	.....	49.1	61.4	68.9	57.1	.....	41.4	b31.6	c17.7	.....	.....	−25	.....	.....
Dunseith	12.7	10.2	15.4	40.8	49.9	59.6	66.4	59.6	58.0	*41.9	28.4	8.2	37.6	95	−35	May 21	Aug. 22
Edgeley	21.2	17.5	24.9	46.7	51.9	61.7	69.8	63.9	63.6	45.1	31.0	14.0	42.6	100	−26	May 8	Sept. 27
Edmore	13.7	11.0	15.2	44.8	51.6	59.4	65.0	*60.2	56.0	37.7	.....	9.6	.....	94	−32	June 14	Aug. 22
Ellendale	23.7	22.4	30.0	.....	56.0	.....	.....	64.6	62.8	44.6	32.3	14.0	.....	96	−23	.....	.....
Flasher	24.0	17.2	24.2	46.0	51.3	60.1	68.0	.....	61.0	.....	.....	.....	.....	.....	.....	.....	.....
Forman	.....	16.6	26.8	47.4	54.6	62.6	70.8	66.0	65.8	46.1	32.8	15.2	.....	96	−24	May 4	Sept. 28
Fullerton	19.0	15.4	24.4	44.9	51.4	61.2	69.0	64.0	62.0	44.1	31.4	14.3	41.8	97	−27	May 8	Sept. 28
Gladys	16.0	13.2	20.0	41.8	49.2	58.3	67.8	62.4	59.0	40.4	*32.0	*21.7	40.2	103	−22	June 9	Aug. 22
Goforth	22.4	16.3	25.2	44.8	49.5	59.4	67.2	63.6	60.7	43.2	32.9	17.8	41.9	100	−26	June 14	Aug. 22
Grafton	14.0	11.5	18.0	47.1	53.5	.....	68.0	63.6	61.0	45.7	31.7	12.6	.....	97	−35	.....	.....
Granville	*15.8	13.4	20.2	44.7	50.6	.....	68.6	61.4	60.2	44.9	29.8	12.2	.....	100	−27	.....	.....
Haley	.....	.....	*27.0	45.5	50.0	59.2	70.0	65.8	62.4	43.0	34.2	19.2	.....	104	.....	May 22	Sept. 27
Hamilton	.....	.....	.....	.....	50.2	61.3	66.9	63.0	60.2	42.9	29.6	13.4	.....	96	.....	June 14	Sept. 28
Hansboro	.....	.....	k14.8	41.0	48.6	58.8	64.6	59.8	58.2	41.4	28.8	11.3	.....	91	.....	June 14	Aug. 22
Hettinger	23.6	13.2	26.8	49.3	58.0	56.2	.....	67.8	65.8	50.4	31.0	16.4	.....	103	−28	.....	.....
Hillsboro	15.2	13.2	20.4	45.2	52.7	62.5	69.9	65.9	63.0	46.1	32.8	13.4	41.7	95	−29	May 8	Sept. 29
Jamestown	18.6	14.4	22.3	44.6	50.6	61.2	69.3	64.0	61.6	43.8	31.8	13.2	41.3	102	−26	June 14	Aug. 22
Kulm	20.6	17.0	26.0	46.2	50.8	60.2	68.6	64.7	65.5	42.2	32.4	13.8	42.3	98	−24	May 21	Sept. 26
Lakota	11.6	9.0	13.8	42.4	49.2	59.4	66.1	60.4	59.2	b40.6	*31.6	*10.1	37.8	98	−32	June 14	Aug. 22
Lamoine	17.1	12.9	20.9	44.0	49.3	59.3	67.5	61.0	59.6	42.3	29.8	13.2	39.7	99	−25	May 18	Aug. 22
*Langdon	8.6	6.4	.....	39.4	49.0	58.4	64.9	59.4	57.2	.....	.....	.....	.....	.....	.....	.....	.....
*Lisbon	18.7	15.4	24.1	44.6	52.0	61.0	70.2	67.8	64.2	45.2	30.9	18.2	42.7	100	−28	June 14	Aug. 22
McKinney	15.4	12.0	17.4	41.2	48.4	60.8	66.7	60.6	57.6	41.4	30.4	13.6	38.8	98	−35	June 9	Aug. 22
Manfred	16.4	13.6	19.6	43.0	49.6	61.4	67.3	61.0	60.0	42.5	30.4	12.3	39.8	98	−25	May 20	Aug. 22
Mayville	12.5	11.9	18.2	45.6	51.8	62.9	69.2	64.8	61.1	k41.6	32.2	12.6	40.4	96	−34	May 8	Aug. 23
Medina	.....	.....	.....	.....	51.6	*58.6	.....	62.6	63.8	46.4	31.6	.....	.....	.....	.....	June 15	Aug. 10
Medora	25.0	19.4	27.8	46.4	52.7	58.6	69.7	63.4	61.1	43.4	k31.1	20.6	43.3	104	−26	May 22	Aug. 22
Melville	17.2	12.8	15.4	44.2	50.8	60.1	71.0	64.5	*62.3	b41.5	d29.6	*12.4	40.4	100	−25	June 14	Aug. 22
*Minot	*16.3	14.8	19.6	43.5	49.7	60.7	68.6	61.6	59.8	41.6	32.4	15.8	40.4	100	−23	May 21	Sept. 27
Minto	c14.8	10.0	15.4	41.8	52.5	62.8	67.8	62.6	61.0	45.2	b31.2	13.4	39.9	96	−33	May 4	Sept. 29
Mott	21.8	15.4	24.1	41.5	49.5	60.8	71.0	63.4	61.0	43.2	30.6	14.2	41.3	104	−30	June 16	Aug. 21
Napoleon	16.8	13.7	22.5	42.6	49.6	59.8	69.6	62.8	61.8	42.0	29.2	12.4	40.2	103	−27	June 14	Aug. 19
New England	22.1	15.2	23.6	42.4	48.4	58.6	67.8	64.0	58.4	41.4	31.6	18.2	41.0	102	−29	June 14	Aug. 13
New Salem	22.6	16.6	23.8	44.2	50.0	59.2	71.7	65.2	62.3	43.5	33.8	17.2	42.5	102	−22	May 22	Sept. 22
Oriska	.....	.....	.....	46.2	51.9	61.2	68.8	65.3	62.6	45.4	34.0	15.8	.....	97	.....	May 7	Sept. 28
Park River	14.0	11.7	16.1	43.6	52.6	62.4	69.0	64.7	60.4	44.0	31.7	13.2	40.3	95	−34	May 22	Sept. 27
*Pembina	9.0	10.4	14.2	42.4	51.2	59.8	68.0	59.8	56.9	40.4	26.8	11.2	37.5	96	−35	June 14	Sept. 28
Portal	d12.8	11.5	.....	41.5	49.1	59.3	66.9	60.0	.....	.....	.....	.....	.....	.....	.....	June 9	Aug. 22
Power	14.6	13.6	22.2	46.0	52.4	61.6	69.5	65.1	62.7	44.6	32.4	12.8	41.4	99	−32	June 14	Aug. 22
Pratt	14.8	11.1	18.4	44.5	50.4	61.0	68.0	.....	.....	.....	30.2	7.5	.....	.....	−37	.....	.....
Steele	19.2	14.8	22.0	44.6	50.4	61.4	71.7	62.8	*62.4	b44.0	.....	c16.6	.....	100	−27	May 22	Aug. 22
Towner	14.0	11.0	19.0	43.2	50.0	61.0	68.0	.....	.....	.....	.....	.....	.....	.....	−28	.....	.....
University	13.8	12.2	16.6	43.8	51.8	65.9	69.2	64.4	61.8	b44.9	30.9	12.2	40.6	96	−36	June 14	Sept. 28
Walhalla	12.0	9.9	15.0	41.6	51.2	61.2	68.8	61.0	58.1	.....	.....	.....	.....	.....	.....	May 20	Sept. 28
Willow City	10.0	14.2	15.6	44.2	53.2	62.0	68.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Westhope	*10.8	b11.6	.....	.....	.....	.....	.....	60.8	58.4	41.2	*27.9	7.7	.....	.....	−30	.....	.....
White Earth	12.4	9.4	18.6	40.8	49.5	60.0	68.8	61.5	57.8	.....	.....	.....	.....	101	.....	June 14	Aug. 22
Wishek	20.1	16.2	25.0	45.4	51.0	59.4	69.2	64.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
Williston	00.8	14.4	21.2	43.8	50.0	60.2	69.1	62.9	59.7	41.9	32.4	18.6	40.9	102	−23	May 28	Aug. 22
Ohio.																	
Akron	27.0	24.8	39.8	*49.2	62.0	69.0	72.4	69.9	68.3	*54.0	*40.2	b31.0	50.6	95	− 2	May 3	Oct. 3
Amesville	30.5	31.8	47.2	54.6	*63.8	70.7	76.4	72.2	66.8	55.0	40.6	35.3	53.7	98	3	Apr. 22	Sept. 30
Bangorville	27.5	25.4	42.0	50.2	61.8	68.0	72.9	70.4	69.6	54.4	41.2	31.0	51.2	96	− 7	May 3	Sept. 30
*Bellefontaine	27.6	27.0	42.4	48.8	61.8	67.8	72.9	70.8	69.0	53.5	40.7	31.8	51.2	96	− 2	May 3	Oct. 2
Benton Ridge	29.3	27.8	42.4	50.4	63.0	69.3	73.5	70.4	68.8	52.9	41.4	32.6	51.8	96	0	May 3	Oct. 2
Bladensburg	27.9	26.4	43.3	50.4	61.4	68.8	71.6	68.8	65.4	*51.8	39.2	31.8	50.6	97	0	May 10	Sept. 30
Bowling Green	28.0	24.2	40.6	48.8	60.4	68.4	73.2	70.0	67.7	52.4	40.5	30.8	50.4	96	− 2	May 3	Oct. 2

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Ohio—Continued.																	
*Bucyrus	25.8	24.3	40.6	49.8	63.1	68.2	72.4	69.6	67.4	52.8	39.9	30.6	50.4	96	— 2	May 3	Sept. 30
Cadiz	28.2	27.4	43.8	51.4	62.7	70.0	74.7	70.7	68.5	55.6	41.8	32.8	52.3	95	1	May 3	Sept. 30
Cambridge	29.9	30.4	45.2	51.9	62.8	68.6	73.2	69.8	66.2	54.6	41.5	33.8	52.3	95	4	May 3	Sept. 30
Camp Dennison	31.7	32.2	47.4	55.0	65.6	71.7	77.0	75.7	70.7	54.6	43.8	35.9	55.1	102	3	May 1	Oct. 2
Canal Dover	28.2	27.4	43.2	50.0	61.9	68.2	73.2	68.6	64.6	51.7	39.9	32.6	50.8	95	1	May 10	Sept. 30
*Canton	28.2	27.3	42.1	48.7	61.4	68.0	72.4	68.5	65.8	52.8	40.8	32.4	50.7	93	0	May 3	Sept. 30
Cardington	28.3	28.0	43.2	51.8	62.2	67.6	72.0	69.4	66.6	52.5	39.0	34.1	51.2	95	— 5	May 3	Sept. 30
*Cincinnati	33.6	33.1	48.0	55.0	66.1	72.8	78.0	76.6	72.9	57.8	47.4	37.9	56.6	98	3	Apr. 3	Oct. 31
*Circleville	30.4	30.2	45.6	52.4	64.2	71.0	75.6	72.4	68.3	54.1	a42.4	.....	.....	99	2	May 1	Sept. 30
Clarington	30.9	31.2	46.4	53.5	62.8	69.4	75.2	71.8	67.4	56.0	42.2	35.4	53.5	98	3	May 1	Oct. 2
Clarksville	31.8	30.6	46.0	53.3	64.2	70.8	75.4	74.2	71.1	56.4	45.0	35.8	54.5	97	1	May 1	Oct. 2
*Cleveland	28.0	25.0	38.9	47.2	60.4	68.6	71.6	68.9	66.8	54.8	42.2	32.2	50.4	92	0	Apr. 4	Nov. 2
Cleveland	28.5	25.9	38.9	47.4	61.3	69.4	72.8	69.4	67.2	54.0	41.6	32.4	50.7	93	— 3	Apr. 17	Nov. 2
*Columbus	30.0	29.6	44.5	51.7	64.0	70.6	75.6	72.7	70.4	55.6	42.8	34.3	53.5	96	1	Apr. 16	Oct. 31
*Dayton	31.0	30.2	44.8	52.2	64.2	70.8	75.8	73.8	69.2	54.9	43.3	35.2	53.8	99	0	Apr. 17	Oct. 2
*Defiance	27.4	23.2	40.4	49.1	61.5	68.8	74.2	70.6	68.0	52.4	41.3	31.6	50.7	97	— 3	May 3	Oct. 2
Delaware	28.9	28.4	43.9	50.8	62.0	68.3	73.3	70.2	66.8	53.0	40.6	32.8	51.6	96	1	May 3	Sept. 30
Demos	30.5	29.3	45.1	53.0	65.0	71.6	75.2	71.2	70.4	.....	44.8	33.0	.....	97	3	May 1	Oct. 31
*Findlay	26.4	24.3	40.2	49.2	61.8	69.0	73.2	71.0	67.4	51.0	39.5	30.0	50.2	97	0	May 3	Oct. 2
Frankfort	32.6	32.8	48.2	55.4	65.5	71.4	76.0	72.7	68.6	56.0	45.4	37.8	55.2	99	4	Apr. 12	Sept. 30
Fremont	28.8	26.5	41.8	50.0	62.1	70.3	74.1	71.1	67.9	54.0	42.0	32.4	51.8	97	1	May 10	Oct. 2
Garrettsville	26.8	23.1	39.8	47.0	59.5	65.6	70.4	66.6	64.0	52.4	40.2	30.8	48.8	94	—15	May 10	Sept. 30
*Granville	29.6	28.6	44.9	51.2	63.1	69.2	74.6	71.0	67.9	54.0	41.2	33.1	52.4	97	2	May 3	Sept. 30
Gratiot	29.0	27.6	44.8	51.6	61.9	68.0	73.2	69.2	65.7	53.3	40.1	33.4	51.5	94	1	May 3	Sept. 30
Green	33.1	33.2	50.8	56.1	65.4	71.3	75.9	74.3	69.0	57.0	42.2	38.5	55.6	98	7	Apr. 12	Oct. 2
Greenhill	25.2	25.4	41.0	48.4	59.8	65.6	70.7	66.6	64.0	51.7	38.4	30.6	49.0	93	— 7	May 10	Sept. 30
*Greenville	30.9	28.6	45.2	52.3	64.8	71.2	75.6	73.4	69.0	53.6	42.5	33.4	53.4	97	— 1	Apr. 17	Oct. 2
Hedges	28.0	25.3	41.2	50.6	61.6	68.6	72.6	70.5	68.4	52.8	41.0	a31.3	51.0	97	0	May 3	Oct. 2
Hillhouse	26.8	23.4	38.6	46.4	60.2	67.4	71.6	68.5	67.4	54.7	40.9	30.8	49.7	95	— 9	May 2	Oct. 3
Hillsboro	.....	.....	45.5	52.8	63.4	69.2	73.9	76.6	69.5	55.0	43.4	34.4	.....	96	.....	May 1	Oct. 2
Hiram	26.8	23.8	39.4	47.2	60.3	67.4	71.5	69.0	68.3	54.0	40.8	30.6	49.9	93	— 4	May 3	Oct. 2
Hudson	24.2	23.1	39.4	48.9	61.6	68.3	72.8	69.2	66.5	52.7	39.3	29.7	49.6	96	—10	May 10	Sept. 30
Ironton	34.2	34.9	51.2	57.4	66.8	72.4	77.2	75.4	69.6	57.2	46.4	38.5	56.8	98	8	Apr. 12	Oct. 3
Jacksonburg	30.8	29.2	44.8	52.1	63.6	70.4	76.1	76.2	72.7	57.2	45.0	34.6	54.4	104	— 1	May 2	Oct. 2
Kenton	28.4	a25.4	42.6	b50.9	62.0	68.7	73.4	70.9	69.8	53.6	41.6	a32.0	51.6	97	— 2	May 3	Sept. 30
Killbuck	29.4	.....	.....	50.0	61.8	69.0	73.4	69.8	66.9	54.2	40.2	32.2	.....	94	.....	May 3	Sept. 30
Lancaster	31.2	30.9	46.2	53.2	64.0	69.6	74.4	71.0	67.6	54.6	42.8	35.7	53.4	95	3	Apr. 16	Sept. 30
Lawshe	31.2	32.3	48.2	55.4	65.0	70.8	75.6	73.3	67.4	53.9	43.6	35.8	54.4	98	4	May 1	Sept. 30
Lima	28.5	27.6	42.6	50.9	62.8	68.4	73.4	71.7	69.0	55.9	42.5	32.9	52.0	95	— 2	May 3	Oct. 2
McConnelsville	30.0	30.3	45.6	52.5	63.2	69.6	76.0	71.9	67.8	54.8	42.7	35.1	53.3	97	4	Apr. 21	Sept. 30
Marietta	32.8	33.6	48.6	56.4	65.6	71.8	77.2	73.9	68.1	a56.6	a44.6	38.0	55.6	96	7	Apr. 3	Oct. 3
Marion	29.2	28.0	43.6	51.6	63.7	71.0	74.8	72.6	69.6	55.4	43.0	32.5	52.9	100	0	May 2	Sept. 30
Medina	27.0	25.0	41.1	49.0	61.6	67.8	72.0	69.8	67.4	53.3	40.8	30.7	50.5	96	— 8	May 3	Sept. 30
Milfordton	26.6	25.6	42.1	48.6	60.7	66.8	72.0	a69.0	66.4	52.4	40.0	32.4	50.2	97	— 2	May 3	Sept. 30
Milligan	29.1	29.8	45.1	51.8	63.2	68.9	74.2	69.8	66.0	52.6	40.6	34.5	52.1	98	0	Apr. 30	Sept. 29
Millport	26.2	25.3	41.6	49.0	60.5	66.7	71.6	67.7	64.7	52.5	39.4	31.0	49.7	94	— 9	May 3	Sept. 30
Montpelier	27.2	23.2	39.2	48.8	60.5	68.5	73.6	70.5	67.8	52.2	39.4	30.6	50.1	97	—11	May 3	Oct. 2
Napoleon	29.2	25.3	41.2	50.0	61.8	68.4	74.1	70.6	68.4	53.7	42.4	33.0	51.5	96	0	May 3	Oct. 2
Nellie	28.2	28.2	.....	50.9	62.0	68.9	.....	.....	.....	.....	40.6	33.6	.....	.....	2	May 10	.....
New Alexandria	28.5	30.2	44.4	52.4	64.5	68.0	74.5	73.8	67.3	55.6	42.0	34.4	53.0	98	— 1	May 3	Sept. 30
New Berlin	26.6	25.2	42.0	49.0	61.4	68.5	73.2	69.6	67.3	53.4	40.4	30.9	50.6	96	— 4	May 3	Sept. 30
New Bremen	29.8	27.4	44.8	52.7	63.9	70.0	74.6	72.4	69.6	54.0	43.2	33.3	53.0	98	2	Apr. 29	Oct. 3
New Richmond	33.0	32.4	48.4	56.0	65.3	72.0	77.2	77.0	72.4	57.2	47.0	37.6	56.3	100	7	Apr. 30	Oct. 31
New Waterford	26.5	24.6	41.6	48.6	60.6	67.2	72.0	68.2	64.8	52.4	39.8	32.0	49.9	94	—17	May 1	Sept. 30
North Lewisburg	28.4	27.1	44.0	51.8	64.4	71.2	75.4	71.6	68.3	53.6	41.4	.....	.....	100	— 4	May 3	Sept. 30
North Royalton	26.7	25.2	39.5	d47.8	60.6	67.8	72.1	70.0	68.4	55.0	40.4	30.6	50.3	96	— 3	May 3	Oct. 3
*Norwalk	27.0	24.5	39.8	48.3	61.8	68.0	72.2	69.9	68.4	52.8	39.8	30.3	50.2	99	— 1	May 10	Sept. 30
Oberlin	28.2	25.8	41.2	48.4	61.6	68.2	73.0	69.9	67.8	54.2	a42.8	31.9	51.1	100	— 1	May 10	Sept. 30
Ohio State University	30.4	29.8	45.2	52.0	62.8	69.4	74.4	71.1	68.1	53.7	41.8	34.1	52.7	96	2	Apr. 16	Sept. 30
Orangeville	26.6	23.7	41.3	e46.2	61.2	66.7	71.9	e68.4	e65.4	52.7	d39.8	d29.6	49.5	96	—19	May 4	Sept. 30
Ottawa	28.3	26.4	41.9	50.6	61.9	69.0	73.2	70.8	68.4	52.9	41.2	32.0	51.4	98	— 1	May 3	Oct. 2
Pataskala	28.6	28.6	44.4	51.4	62.6	68.6	73.6	70.8	67.4	54.0	40.7	32.6	51.9	95	2	Apr. 30	Sept. 30
Philo	30.3	29.8	45.2	53.0	63.7	70.4	75.5	72.6	70.2	56.4	43.0	35.0	53.8	98	4	May 1	Oct. 2
Plattsburg	30.2	28.3	44.1	51.9	62.8	68.2	74.2	72.4	.....	d55.8	42.6	33.8	.....	96	— 2	May 1	Oct. 3
Pomeroy	32.0	30.1	48.6	53.7	64.5	71.0	a76.3	b72.2	67.2	56.6	.....	35.4	.....	99	7	Apr. 12	Oct. 2
Portsmouth	33.0	33.4	49.4	55.7	65.8	b71.3	74.2	73.8	68.4	55.0	45.5	37.9	55.3	98	6	Apr. 3	Oct. 2
Rittman	27.2	24.8	42.4	48.6	61.2	67.4	72.2	69.3	65.7	52.5	39.2	30.1	50.0	96	— 3	May 3	Sept. 30
Rockyridge	27.9	25.0	40.8	49.2	61.2	a69.6	73.5	71.0	69.0	53.2	d40.4	b31.2	51.0	97	1	May 1	Oct. 2
Rome	25.6	22.2	39.2	a46.5	b60.2	a67.2	e70.7	a67.6	e65.0	a52.9	b39.4	30.6	48.9	97	—22	May 3	Sept. 17
*Sandusky	28.1	25.4	39.9	48.3	60.4	69.6	73.4	70.7	68.4	54.7	42.1	32.2	51.1	95	4	May 3	Nov. 2
Shenandoah	a26.8	24.9	40.6	a47.0	60.2	66.3	71.4	69.0	67.6	52.4	39.7	30.6	49.7	97	— 2	May 3	Sept. 30
Sidney	30.4	29.0	45.0	53.0	64.6	71.0	75.2	73.3	70.2	54.6	42.3	33.8	53.5	98	— 1	May 3	Oct. 2
*Somerset	30.2	30.0	45.1	51.4	63.9	71.0	75.9	72.6	70.0	55.4	41.7	32.9	53.3	98	2	May 1	Oct. 2
Summerfield	29.3	30.3	45.6	51.4	62.5	67.8	74.2	70.3	66.0	54.4	41.5	34.5	52.3	96	0	May 3	Sept. 30
Thurman	32.8	33.1	50.0	56.2	65.0	70.5	75.7	73.3	69.8	57.2	45.8	37.4	55.6	97	6	Apr. 12	Sept. 30
Tiffin	28.9	27.1	41.6	49.8	62.4	69.0	73.6	71.2	68.6	53.4	41.9	32.7	51.7	93	2	May 3	Sept. 30
*Toledo	27.8	24.4	39.8	48.4	60.6	69.2	73.8	70.6	69.0	53.9	42.2	31.4	50.9	97	1	Apr. 21	Oct. 2
Toledo	28.0	24.2	40.2	49.0	60.5	69.2	73.6	70.5	68.2	53.3	41.4	32.2	50.9	96	— 1	May 2	Oct. 2
Upper Sandusky	29.3	27.4	43.3	51.2	62.8	68.8	73.2	70.9	68.9	54.5	42.8	32.9	52.2	95	0	May 3	Oct. 2
Urbana	28.0	26.8	43.2	51.6	63.4	70.2	74.6	72.5	68.5	54.6	41.8	32.2	52.3	99	— 2	May 1	Sept. 30
Vickery	27.0	a25.4	40.8	48.8	61.4	68.8	73.0	70.4	67.4	52.4	41.0	31.6	50.7	97	— 2	May 3	Sept. 30
Warren	28.0	25.2	41.2	48.5	b60.7	68.8	73.2	69.2	66.6	53.4	41.1	30.4	50.5	97	—11	May 3	Sept. 30
*Wauseon	26.6	22.2	38.8	47.5	60.5	68.6	73.0	69.8	67.2	51.6	39.3	28.8	49.5	96	— 8	May 3	Oct. 2
*Waverly	32.2	32.8	49.6	54.4	65.7	71.5	76.2	74.0	69.0	56.2	43.8	35.6	55.1	100	4	May 1	Sept. 30
Waynesville	31.1	29.9	45.2	53.1	62.4	b69.6	e73.5	73.2	70.0	55.0	43.8	35.0	53.5	97	0	May 1	Oct. 2
Wellington	a28.3	26.8	41 7	49.7	62.2	a69.2	73.4	70.5	67.8	b53.0	41.0	32.2	51.3	97	1	May 3	Sept. 30
Wooster	28.7	26.8	43.1	50.0	62.2	68.1	72.4	69.0	66.4	53.0	41.0	31.7	51.0	95	— 3	May 3	Sept. 30

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Oklahoma.																	
Ada	44.0	45.8	59.2	61.8	68.6	75.4	79.0	80.8	74.6	60.0	53.4	45.8	62.4	101	13	Mar. 9	Nov. 12
Alva	41.6	40.4	53.7	58.6	64.5	73.4	74.1	.....	.....	.....	48.2	41.4	.....	.....	2	May 7	Oct. 25
Arapaho	42.0	44.0	56.0	59.6	63.7	.....	73.5	75.0	69.2	.....	.....	.....	.....	100	10	Apr. 30	.....
*Ardmore	45.6	46.5	59.4	61.8	69.0	75.6	78.6	81.8	74.9	62.0	54.4	48.0	63.1	102	13	Mar. 9	Oct. 24
Bartlesville	41.0	42.8	55.5	59.9	68.6	75.2	78.0	.....	.....	.....	.....	.....	.....	97	9	Apr. 2	.....
Beaver	.....	37.8	49.2	61.1	66.6	75.7	78.4	79.5	71.7	57.2	43.6	38.0	.....	106	1	May 7	Sept. 28
Blackburn	.....	.....	59.0	57.9	66.5	74.0	76.3	79.6	70.7	57.4	47.5	42.6	.....	100	.....	Apr. 30	Oct. 24
Buffalo	39.6	38.2	.....	59.8	68.4	74.0	79.6	78.2	73.2	58.8	45.7	38.6	.....	107	2	May 7	Sept. 28
Cache	41.9	43.8	55.8	59.4	66.0	74.0	75.6	77.2	70.5	57.2	47.8	41.8	59.2	99	7	Apr. 30	Oct. 23
*Chandler	.....	47.4	59.4	62.6	69.8	76.9	80.1	82.4	73.7	59.9	.....	.....	.....	102	18	Mar. 10	Sept. 28
Chattanooga	43.2	47.6	59.9	62.2	69.9	77.6	77.9	80.4	74.9	63.0	52.2	45.4	62.8	102	10	Apr. 29	Oct. 24
Chickasha	43.2	46.7	58.7	62.4	.....	76.6	78.4	81.2	74.6	61.0	50.8	44.6	.....	103	12	Mar. 10	Oct. 24
Cloud Chief	42.6	45.0	56.4	60.4	68.3	75.5	77.2	81.1	73.4	.....	50.1	44.2	.....	106	10	Apr. 3	Sept. 30
Dacoma	40.8	42.4	53.4	57.9	66.7	74.0	76.8	78.8	71.1	58.4	48.2	41.2	59.1	100	7	Apr. 3	Oct. 24
*Durant	43.0	43.9	59.0	62.0	69.0	76.0	79.4	80.6	75.6	61.0	53.4	45.3	62.4	104	15	Feb. 28	Oct. 24
Eldorado	43.2	45.6	58.0	61.6	71.1	78.7	79.3	80.0	74.2	61.0	51.3	45.3	62.4	103	10	Apr. 28	Oct. 24
*Enid	41.9	42.2	54.2	57.9	67.3	75.4	79.4	82.2	76.1	.....	48.0	39.3	.....	104	10	Mar. 20	.....
Erick	40.8	44.8	54.4	59.3	68.0	75.6	77.1	79.6	71.6	59.2	47.7	41.4	60.0	105	6	Apr. 3	Oct. 23
Fairland	39.9	42.0	56.0	58.7	69.0	74.5	77.6	79.7	73.2	.....	49.9	42.2	.....	100	7	Apr. 30	Sept. 29
Fort Sill	45.2	46.7	58.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	Mar. 11	.....
Frederick	.....	.....	.....	.....	.....	78.4	80.8	82.6	.....	61.6	.....	.....	.....	103	20	Mar. 12	.....
Gage	37.8	41.4	51.0	57.5	66.9	73.6	76.8	77.3	69.6	56.8	45.3	40.2	57.9	103	3	May 7	Oct. 23
Grand	40.4	42.2	53.8	59.2	66.3	73.0	75.9	75.8	69.2	.....	.....	.....	.....	102	6	May 8	.....
Guthrie	42.0	44.6	57.4	61.4	68.6	.....	.....	.....	73.6	60.7	51.4	43.4	.....	.....	11	Apr. 3	Oct. 24
Harrington	40.1	42.2	53.5	56.7	65.6	72.2	75.4	77.2	70.6	57.6	48.8	42.2	58.5	99	3	Apr. 27	Oct. 24
Hartshorne	.....	47.2	63.6	67.0	73.0	78.2	81.6	82.6	77.3	60.3	55.6	52.1	.....	101	18	Apr. 30	Nov. 8
Healdton	43.0	45.0	59.2	61.0	68.6	75.8	77.5	79.2	73.6	59.9	51.6	46.1	61.7	102	4	Apr. 30	Oct. 10
Helena	41.0	.....	.....	59.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 6	.....
Hennessey	40.4	43.4	55.2	59.1	65.4	75.6	77.2	81.0	72.6	59.1	50.8	40.7	60.0	103	10	Apr. 3	Oct. 24
Hobart	44.8	46.0	57.4	60.4	68.8	75.2	76.6	79.5	72.6	59.9	49.8	44.0	61.2	100	11	Apr. 29	Sept. 28
*Holdenville	40.8	43.8	56.9	60.2	67.4	74.0	78.2	80.2	72.5	59.3	51.0	44.2	60.7	99	12	Mar. 9	Oct. 24
Hooker	.....	.....	.....	.....	.....	76.2	77.6	78.2	71.2	56.2	43.6	36.8	.....	108	.....	.....	Sept. 28
Hurley	.....	39.0	49.8	54.2	61.8	72.7	.....	73.8	66.8	52.1	42.8	35.4	.....	104	− 2	May 7	Sept. 27
Idabel	42.4	44.4	58.4	63.2	69.2	78.2	81.0	81.4	74.2	63.2	54.4	49.7	63.3	98	15	Feb. 27	Oct. 12
Jefferson	39.6	42.2	52.6	58.4	67.0	75.3	78.8	80.4	70.9	57.2	46.8	40.4	59.1	102	9	Apr. 3	Oct. 24
Kenton	36.8	38.3	49.0	51.7	63.0	73.8	75.4	75.1	69.4	53.8	42.3	37.0	55.5	104	0	May 7	Oct. 5
Kingfisher	42.2	43.4	55.6	60.2	68.0	75.7	78.1	80.8	73.2	60.0	49.6	43.4	60.8	104	12	Mar. 20	Oct. 24
McAlester	45.4	47.6	61.5	63.7	70.2	77.1	80.2	81.4	75.2	62.8	54.8	48.8	64.1	102	13	Feb. 27	Oct. 24
McComb	43.2	43.8	56.4	60.5	68.6	73.4	78.0	80.6	72.6	59.4	52.3	.....	.....	97	10	Mar. 20	Oct. 26
*Mangum	45.4	45.2	56.5	.....	70.3	76.0	77.7	80.2	71.9	60.0	.....	.....	.....	101	14	Mar. 11	Oct. 24
*Marlow	42.6	41.0	55.2	61.6	67.6	75.0	77.8	80.3	73.4	59.0	51.5	43.8	60.7	101	12	Mar. 21	Oct. 24
Meeker	39.0	44.0	56.6	61.1	67.6	75.4	77.6	80.3	73.0	58.5	50.4	41.4	60.4	101	10	Apr. 3	Oct. 23
Muskogee	41.0	43.4	58.0	61.1	67.8	75.0	77.8	80.8	74.2	59.8	52.2	43.7	61.2	97	10	Mar. 9	Oct. 24
Mutual	39.6	44.2	52.5	57.6	63.6	73.8	77.4	80.2	71.6	57.3	46.6	40.9	58.8	103	1	Apr. 3	Oct. 24
Neola	42.6	45.6	57.9	60.0	68.5	75.0	76.2	79.8	73.4	58.4	52.2	44.4	61.2	99	12	Apr. 30	Oct. 24
Newkirk	40.1	41.2	54.0	59.4	67.6	75.2	78.4	81.2	72.4	59.0	47.5	41.7	59.8	101	7	Apr. 27	Oct. 12
Norman	.....	45.6	57.6	61.2	68.6	75.5	.....	.....	.....	59.0	50.4	45.2	.....	.....	10	Apr. 3	Oct. 29
Okeene	41.1	44.1	54.0	60.8	.....	77.0	.....	81.7	.....	.....	.....	.....	.....	.....	10	Mar. 23	.....
*Oklahoma	40.8	44.0	55.0	59.1	67.0	73.7	76.6	79.2	72.0	59.4	49.6	42.8	59.9	97	10	Mar. 10	Oct. 24
Okmulgee	42.8	44.0	57.7	59.4	67.5	74.2	77.3	80.0	73.0	60.2	52.0	46.8	61.2	99	9	Mar. 21	Oct. 9
Pauls Valley	43.5	42.8	.....	.....	68.8	.....	78.0	78.6	74.0	.....	.....	.....	.....	103	7	.....	.....
Pawhuska	40.6	42.2	55.3	59.0	68.0	75.1	77.6	80.6	73.2	58.8	50.3	43.1	60.3	99	7	Apr. 2	Oct. 24
Perry	41.6	42.8	55.4	59.8	67.0	74.4	77.8	81.0	72.0	59.1	50.0	42.8	60.3	103	9	Apr. 2	Oct. 24
Ravia	45.2	46.6	60.9	64.0	70.4	77.0	78.9	81.0	75.1	61.5	53.5	47.4	63.5	100	14	Mar. 21	Nov. 13
Sac and Fox Agency	.....	.....	.....	.....	68.8	75.6	78.2	79.3	73.0	61.6	51.8	.....	.....	97	.....	.....	Sept. 29
*Shawnee	42.8	43.8	55.2	60.5	67.1	73.6	76.3	78.2	71.8	59.1	51.6	43.4	60.4	98	13	Apr. 3	Oct. 9
Snyder	42.6	43.2	57.0	61.0	69.1	76.8	77.7	80.6	73.0	60.8	51.4	45.2	61.5	102	13	Mar. 12	Oct. 24
*Stillwater	40.4	41.8	54.2	58.2	67.2	74.5	77.3	79.6	71.2	58.2	48.4	39.9	59.2	98	10	Apr. 30	Oct. 24
Supply	.....	.....	.....	.....	.....	.....	76.8	78.0	70.6	56.8	45.0	39.0	.....	104	.....	.....	Oct. 24
Temple	45.4	48.7	.....	.....	.....	78.2	78.4	80.6	75.6	63.6	52.2	45.9	.....	105	14	.....	Nov. 11
*Tulsa	41.0	42.0	55.7	60.0	68.0	74.7	79.0	81.2	72.7	59.0	50.7	42.8	60.6	99	10	Mar. 11	Oct. 24
Vinita	37.2	40.1	54.7	59.3	66.8	72.8	75.2	79.8	72.2	.....	50.5	41.6	.....	100	6	Apr. 30	Sept. 29
Wagoner	40.2	42.2	56.3	58.4	68.4	74.4	77.2	78.7	71.8	57.8	50.0	42.3	59.8	98	9	Apr. 30	Oct. 9
Wapanucka	.....	.....	.....	.....	.....	.....	.....	.....	76.8	62.2	54.8	47.4	.....	.....	.....	.....	Oct. 24
Waukomis	40.6	42.6	54.0	58.7	66.8	74.5	78.0	80.1	71.8	59.7	50.1	43.0	60.0	101	9	Apr. 3	Oct. 24
*Weatherford	41.2	45.2	53.6	58.6	67.0	74.4	74.4	81.4	73.6	60.2	51.1	44.8	60.5	100	11	Apr. 3	Oct. 24
Webbers Falls	43.8	47.8	59.8	60.7	69.5	76.8	79.4	81.2	74.3	.....	51.6	44.0	.....	98	17	Apr. 30	Nov. 12
Whiteagle	40.8	42.4	55.4	59.5	67.6	74.6	78.4	81.0	71.9	58.8	49.4	42.4	60.2	100	9	Mar. 20	Oct. 24
Woodward	.....	.....	.....	.....	.....	74.4	76.8	79.0	70.4	59.2	46.2	39.8	.....	102	.....	.....	Oct. 24
Oregon.																	
Albany	42.2	42.7	46.2	53.2	52.9	61.0	66.5	64.4	58.8	50.7	48.4	38.5	52.1	92	23	.....	.....
Ashland	41.9	41.5	44.0	52.4	50.8	60.8	74.4	70.0	63.4	52.8	47.4	38.9	53.2	101	21	May 2	Sept. 24
Astoria	45.1	45.0	49.2	53.2	54.6	60.2	67.2	62.8	61.1	53.8	51.6	41.6	53.8	98	28	Mar. 3	Dec. 6
*Baker City	30.0	33.4	37.6	46.8	47.3	56.3	68.8	65.1	57.9	45.8	39.7	26.1	46.2	102	− 4	May 17	Sept. 24
Bay City	49.8	47.7	48.8	49.0	52.6	56.5	61.4	59.4	57.2	54.9	54.0	46.2	53.1	88	23	Apr. 27	Sept. 25
Black Butte	39.6	39.8	43.7	48.6	.....	.....	.....	.....	.....	49.4	46.4	37.2	.....	.....	.....	.....	.....
Blalock	37.2	40.1	49.0	57.4	59.9	73.1	81.6	77.4	69.2	55.4	45.2	35.7	53.8	110	11	Apr. 7	Oct. 21
Buckhorn Farm	40.9	41.2	43.4	52.2	50.4	59.4	71.6	67.1	60.2	51.0	47.1	37.2	51.8	103	21	May 12	Sept. 17
Burns	26.5	32.8	40.1	49.4	44.5	68.2	69.6	64.3	57.6	45.3	38.2	24.4	46.7	100	− 8	June 26	Aug. 27
Cascade Locks	39.0	39.5	45.6	52.2	52.6	63.2	69.4	66.2	59.6	52.3	45.8	36.4	51.8	97	20	Apr. 7	Nov. 25
Christmas Lake	26.2	30.8	35.0	42.8	42.2	50.8	63.6	58.5	52.4	42.2	35.9	25.1	42.1	101	−20	[1]	[1]
Condon	32.3	33.0	39.2	45.8	46.8	55.8	67.4	64.3	58.2	46.0	43.4	29.1	46.8	96	5	June 19	Sept. 23
Corvallis	41.8	42.3	45.6	51.2	51.1	58.6	69.6	64.6	59.2	52.2	47.6	38.6	51.6	100	20	May 10	Sept. 24
Dayville	37.4	39.4	44.0	52.0	53.3	62.8	74.2	68.2	60.8	48.9	43.4	32.6	51.4	110	− 8	May 28	Aug. 31
Doraville	39.2	38.8	43.3	48.0	48.5	56.2	64.6	61.0	57.2	50.2	46.9	36.3	50.2	90	16	May 9	Sept. 24
Drain	43.4	43.6	47.3	50.0	52.8	59.7	68.9	66.1	60.4	53.0	51.0	40.2	53.3	103	19	May 10	Sept. 24
Echo	35.3	38.4	46.8	54.2	57.4	67.2	77.2	72.6	65.4	52.7	43.5	33.1	53.6	108	2	Apr. 25	Sept. 25
Ella	34.2	37.6	46.0	52.9	56.6	68.8	78.6	72.4	66.2	51.8	42.6	32.5	53.4	107	0	Apr. 30	Sept. 28
Eugene	43.2	42.6	46.0	51.0	51.4	58.6	67.6	64.6	61.0	52.5	47.9	38.9	52.1	94	21	Apr. 25	Sept. 24

[1] Owing to the high elevation killing frosts are likely to occur any month.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Oregon—Continued.																	
Fairview	46.0	45.7	47.2	51.2	51.2	55.2	62.8	58.0	54.6	52.0	53.2	45.5	51.9	97	23	May 10	Sept. 23
Falls City	41.2	41.8	43.4	50.2	49.4	.....	.....	.....	59.2	51.6	46.2	36.9	.....	.....	.....	June 1	Sept. 16
Forest Grove	41.6	42.0	45.3	50.6	52.5	.....	.....	66.7	59.1	49.6	47.0	37.5	.....	.....	18	May 9	Sept. 24
Gardiner	46.8	45.4	47.2	50.6	51.2	56.4	63.2	56.8	55.6	54.8	52.4	42.6	51.8	87	20	May 11	Sept. 16
Glendale	39.6	39.8	44.4	.....	52.7	59.6	71.0	63.7	60.2	54.2	51.8	40.9	.....	103	20	May 26	Sept. 24
Glenora	39.0	38.3	43.2	49.4	48.4	56.4	65.2	63.0	56.8	48.6	45.2	36.6	49.2	99	18	Apr. 24	Sept. 23
Gold Beach	46.8	44.7	45.2	48.4	49.0	53.1	57.7	54.2	55.3	52.1	.....	45.6	.....	83	24	May 10	Nov. 27
Granite	26.4	29.0	31.2	42.3	42.4	51.3	61.8	58.6	52.6	42.2	37.1	26.0	41.7	97	−21	(1)	(1)
Grants Pass	40.6	41.6	45.0	52.4	51.5	60.8	72.4	67.8	61.4	51.0	45.6	37.3	52.4	107	18	May 27	Sept. 17
Grass Valley	34.9	34.0	42.2	50.7	46.0	55.7	67.8	64.0	57.9	47.4	41.2	30.8	47.7	98	1	(1)	(1)
Greenleaf	.....	.....	.....	.....	.....	58.2	65.2	62.0	58.1	51.5	48.0	38.7	.....	.....	.....	.....	Sept. 24
Headworks	39.6	39.0	43.2	50.2	49.6	57.8	67.6	63.8	57.6	50.0	46.1	36.9	50.1	99	21	Apr. 28	Sept. 25
Heisler	34.8	36.6	43.0	49.7	51.3	62.8	77.5	.....	.....	.....	.....	.....	.....	.....	.....	June 5	.....
Heppner	35.5	36.4	43.6	50.6	52.0	62.0	73.2	69.6	61.4	49.1	44.7	32.0	50.8	102	2	May 13	Sept. 24
Hermiston	34.6	37.6	46.4	55.0	58.2	68.6	78.6	73.8	65.1	51.8	42.2	32.0	53.7	108	1	Apr. 29	Sept. 25
Hood River	35.7	41.2	37.8	49.4	51.7	57.8	70.7	66.4	61.6	51.9	43.4	.....	.....	101	.....	Apr. 28	Aug. 31
Huntington	.....	.....	.....	.....	56.0	69.2	82.0	80.5	59.4	48.7	45.0	.....	.....	.....	.....	May 16	Sept. 11
Jacksonville	40.2	41.0	45.0	53.6	51.4	61.8	76.4	72.6	64.4	52.6	45.4	36.4	53.4	106	17	May 12	Sept. 25
Joseph	28.1	30.0	34.6	45.2	42.0	49.4	62.0	57.1	50.5	39.2	33.4	22.2	41.1	88	−10	June 20	Aug. 26
Klamath Agency	.....	.....	.....	.....	.....	.....	.....	.....	53.6	43.5	37.6	26.2	.....	.....	.....	.....	Aug. 24
Klamath Falls	33.4	35.2	38.4	48.6	45.1	54.9	70.7	65.4	59.2	46.0	40.2	27.8	47.1	99	− 1	June 26	Aug. 25
La Grande	33.6	35.3	40.0	48.6	50.2	58.2	66.8	67.8	60.4	47.4	39.4	29.6	48.1	106	−11	June 20	Sept. 25
Lakeview	29.8	33.5	36.5	47.2	45.6	.....	.....	67.8	.....	.....	.....	27.2	.....	.....	.....	.....	Aug. 29
*Marshfield	46.2	45.2	46.4	49.2	.....	54.9	59.4	.....	55.3	52.8	51.5	44.2	.....	81	26	.....	Sept. 24
McKenzie Bridge	37.0	38.8	42.0	49.4	49.1	57.2	67.5	62.2	56.6	48.7	43.4	33.6	48.8	102	12	May 23	Aug. 26
McMinnville	41.4	41.0	44.8	50.2	50.4	58.0	66.6	64.8	58.8	51.2	48.2	39.0	51.2	100	22	May 9	Sept. 16
Merrill	34.0	34.8	35.6	46.6	46.7	54.1	67.9	63.3	55.7	45.8	40.5	27.8	46.1	100	− 4	June 24	Aug. 25
Mikkalo	34.9	36.6	44.5	51.0	51.2	61.6	74.4	68.1	63.7	50.2	43.2	30.8	50.8	103	6	Apr. 28	Sept. 24
Miramonte Farm	41.4	41.6	45.7	51.8	52.0	60.4	69.0	65.3	58.8	.....	46.4	37.8	.....	98	21	Apr. 28	Sept. 24
Monroe	41.8	41.6	44.9	50.2	50.4	58.2	67.8	65.3	60.6	52.6	48.0	37.8	51.6	96	18	May 9	Sept. 16
Mount Angel	45.6	41.2	46.6	51.8	53.8	61.2	69.2	66.6	60.4	51.5	44.7	39.4	52.6	95	18	Apr. 7	Oct. 17
Mountain Park	34.3	35.2	41.4	48.4	48.8	58.8	68.4	65.8	59.1	53.1	41.4	32.2	48.9	95	14	May 17	Sept. 25
Newport	47.6	46.0	47.4	49.2	51.5	55.3	57.6	55.7	54.9	53.2	52.1	44.2	51.2	79	28	Mar. 19	Dec. 6
Orseco	32.8	32.9	34.0	.....	.....	42.2	62.2	58.4	52.4	46.0	44.0	.....	.....	.....	.....	June 26	Sept. 16
Paisley	32.0	36.0	39.8	48.2	48.2	57.6	71.3	66.3	59.8	47.0	41.8	28.2	48.0	95	− 4	June 2	Sept. 25
Pendleton	35.2	37.2	45.0	51.8	55.6	65.2	76.0	70.7	62.4	50.5	43.8	33.6	52.2	107	− 5	May 13	Sept. 25
Pompeii	31.2	30.8	32.6	39.6	38.4	47.4	60.2	56.7	51.6	44.2	41.2	30.0	42.0	92	5	June 19	Sept. 23
*Portland	42.2	42.8	46.3	52.8	52.9	61.2	69.7	66.0	60.0	52.9	48.8	39.1	52.9	94	23	Mar. 3	Oct. 21
Port Orford	48.4	45.3	45.9	49.1	49.0	53.6	58.6	55.9	56.0	53.0	51.8	47.0	51.1	74	34	Jan. 31	Sept. 26
Prineville	34.2	38.9	39.4	46.4	46.9	56.1	69.1	62.2	55.8	45.4	40.0	29.1	47.0	104	− 2	June 4	Aug. 30
Prospect	.....	38.4	41.1	49.8	47.3	56.4	75.4	64.6	58.8	49.6	46.0	35.5	.....	102	.....	June 27	Aug. 30
Richland	31.0	.....	40.8	53.0	52.2	63.8	72.6	68.1	61.4	48.2	41.9	28.4	.....	105	− 1	May 17	Sept. 25
Riverside	32.3	35.5	39.6	50.8	50.0	62.0	.....	.....	64.4	.....	37.2	20.0	.....	.....	4	June 22	.....
*Roseburg	42.0	42.4	46.1	51.8	51.8	60.4	70.4	67.3	60.6	52.1	47.5	39.0	52.7	102	23	May 10	Sept. 25
Salem	42.0	42.9	46.0	51.6	52.4	60.3	69.3	66.3	60.4	54.0	48.0	39.0	52.6	95	23	Mar. 9	Sept. 16
Silver Lake	29.6	35.2	35.2	.....	46.2	57.3	67.2	61.3	54.8	43.7	39.0	27.6	.....	105	2	(1)	(1)
*Siskiyou	.....	.....	.....	.....	.....	.....	.....	.....	58.4	48.4	45.5	32.5	.....	.....	.....	.....	Sept. 25
Stafford	41.2	41.4	45.6	50.9	50.6	59.2	68.9	65.9	60.5	52.6	47.4	37.4	51.8	98	18	Mar. 19	Sept. 23
The Dalles	36.8	39.6	47.6	54.8	56.4	64.9	75.0	71.0	63.7	53.1	43.7	34.4	53.4	103	12	Apr. 7	Sept. 26
Toledo	44.5	42.8	41.0	49.6	49.4	55.7	62.5	58.9	57.4	52.2	48.3	39.8	50.2	87	26	May 10	Sept. 24
Umatilla	29.0	41.6	48.4	56.6	60.0	69.8	79.8	75.6	67.2	54.0	44.2	34.3	55.4	109	5	Apr. 8	Oct. 18
Vale	31.6	36.2	42.6	52.2	53.8	63.5	75.8	71.0	61.2	47.2	39.0	32.4	50.5	109	2	May 18	Aug. 26
Wallowa	27.4	31.3	38.1	46.3	48.2	56.4	67.6	63.2	56.6	45.6	38.8	25.2	45.4	104	−13	(1)	(1)
Wamic	.....	.....	.....	.....	47.5	61.2	69.2	65.6	59.7	48.2	41.4	30.2	.....	.....	.....	May 27	Aug. 26
Warmspring	36.8	36.2	.....	50.6	52.0	60.2	71.9	74.6	61.6	51.1	43.5	31.7	.....	102	0	June 2	Sept. 24
Weston	38.4	35.9	43.6	51.5	51.9	61.5	78.6	74.8	66.6	48.7	42.6	30.8	52.1	101	− 4	Apr. 25	Oct. 2
Williams	41.0	43.6	46.1	51.1	.....	.....	.....	.....	.....	52.1	47.8	38.4	.....	.....	.....	.....	Sept. 24
Yonna	.....	.....	.....	46.4	44.7	53.7	67.2	62.4	56.1	45.5	39.2	27.1	.....	101	.....	(1)	(1)
Pennsylvania.																	
Aleppo	29.2	29.4	44.0	52.6	61.7	67.6	73.0	69.4	66.4	55.0	42.1	34.4	52.1	94	− 2	May 1	Sept. 30
Altoona	26.3	21.9	39.4	47.8	59.0	[b]60.3	.....	.....	63.6	[b]50.3	39.0	[c]30.9	.....	96	− 9	May 4	Oct. 3
Baldwin	[a]26.0	23.3	40.2	48.2	60.2	67.6	[b]72.1	69.0	[c]67.8	[c]54.2	39.8	[a]30.4	49.9	94	−11	May 4	Sept. 16
Bellefonte	30.0	24.7	42.2	51.6	63.6	71.6	76.2	[d]71.0	66.6	54.3	41.3	33.2	52.2	102	−12	Apr. 21	Sept. 29
California	.....	.....	.....	.....	.....	.....	.....	.....	.....	55.6	43.0	36.4	.....	.....	.....	.....	.....
Center Hall	27.3	24.2	.....	50.1	.....	.....	.....	[c]67.4	65.2	53.0	39.2	29.7	.....	92	− 8	.....	.....
Claysville	29.2	28.8	[a]45.1	53.0	62.8	69.4	74.0	70.0	66.0	54.7	41.9	33.8	52.4	98	− 1	May 3	Oct. 3
Clearfield	.....	.....	38.7	48.6	59.9	67.2	70.7	67.6	62.6	53.2	38.7	31.0	.....	96	.....	May 5	Oct. 12
Coatesville	31.7	28.4	43.3	52.9	63.3	71.0	77.1	71.9	66.4	57.6	42.9	33.9	53.4	97	− 1	Apr. 17	Oct. 13
Derry Station	28.5	28.2	45.3	51.6	62.2	69.4	74.6	70.0	68.0	58.4	41.9	33.7	52.6	98	− 7	May 1	Sept. 29
Drifton	25.4	21.8	35.8	44.9	58.4	65.9	70.8	65.6	61.6	50.5	36.3	26.7	47.0	91	−12	May 3	Sept. 16
Dushore	24.1	21.6	36.9	46.1	59.0	67.2	72.6	67.6	61.3	48.7	41.3	33.0	48.3	98	−17	May 5	Sept. 3
Easton	31.6	27.3	41.6	50.6	62.0	70.8	75.9	70.7	65.7	55.2	41.6	33.4	52.2	96	− 2	Apr. 21	Oct. 13
Eatonville	27.6	22.6	38.2	47.7	60.5	67.6	73.0	70.5	64.6	.....	.....	.....	.....	94	− 8	May 5	.....
Emporium	25.7	21.6	37.2	47.2	60.8	67.0	71.0	66.8	63.0	50.8	39.6	30.4	48.4	95	−21	May 4	Sept. 17
Ephrata	29.9	25.9	[b]40.4	51.0	61.7	70.4	76.4	70.6	65.4	56.2	40.6	31.4	51.7	100	− 5	Apr. 21	Oct. 13
Erie	27.9	23.4	37.1	45.5	58.4	67.5	71.6	68.2	66.7	54.9	42.9	31.9	49.7	90	− 4	Apr. 17	Nov. 13
Everett	28.0	25.6	42.0	[c]49.3	60.2	67.2	[c]71.9	67.2	[b]64.8	53.3	41.4	33.2	50.3	94	−13	May 4	Sept. 30
Franklin	26.5	22.9	39.2	47.8	60.0	68.5	72.6	68.6	69.4	.....	[b]40.3	31.0	.....	94	−22	May 5	.....
Freeport	[c]30.6	[a]26.8	43.0	[c]49.8	62.9	.....	73.3	[b]71.2	68.6	.....	[b]41.4	[c]34.2	.....	97	−16	May 1	Sept. 29
George School	31.8	28.8	[c]42.4	51.4	62.1	69.4	75.3	70.7	65.0	56.6	[a]42.2	33.1	52.4	95	0	Apr. 22	Oct. 13
Gettysburg	30.9	26.0	44.3	53.2	63.4	71.2	76.6	71.2	65.4	55.2	42.2	33.7	52.8	99	− 5	Apr. 17	Oct. 13
Gordon	27.4	23.4	38.6	48.4	60.6	67.1	72.8	67.0	63.2	52.8	39.6	29.4	49.2	97	−13	May 11	Oct. 13
Greensburg	.....	.....	.....	[d]52.2	60.6	67.6	72.9	69.2	66.8	54.6	42.0	33.7	.....	94	.....	May 2	Sept. 30
Greenville	26.7	23.2	40.1	47.6	60.6	67.4	72.0	67.0	64.4	52.8	39.6	30.6	49.3	93	−19	May 4	Sept. 30
Grove City	26.4	24.0	40.2	48.2	59.9	67.2	71.2	67.8	64.4	53.0	40.2	31.2	49.5	94	−19	May 3	Sept. 29
Hamburg	28.8	26.0	39.6	50.6	61.7	71.4	76.8	70.6	65.5	60.5	40.8	.....	.....	100	− 4	Apr. 22	Oct. 2
Hanover	34.4	29.2	45.4	55.7	64.5	72.0	77.4	72.6	67.4	58.6	45.1	36.3	54.9	102	3	Apr. 17	Sept. 30
*Harrisburg	31.4	25.6	42.7	52.4	62.6	71.8	76.4	71.4	67.0	56.9	42.5	33.7	52.9	97	1	Apr. 17	Nov. 5

[1] Owing to the high elevation killing frosts are likely to occur any month.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Pennsylvania—Continued.																	
Huntingdon	29.1	25.0	41.4	50.5	60.8	[a]67.8	73.1	[c]68.4	66.0	52.8	41.2	33.0	50.8	97	−12	Apr. 22	Oct. 3
Hyndman	29.4	27.2	43.5	52.7	62.0	69.2	74.0	70.6	66.5	54.8	42.2	34.3	52.2	102	−11	May 2	Oct. 3
Indiana	[c]28.0	[a]24.8	[a]42.4	[a]50.8	[a]60.6	[a]68.2	74.0	69.8	67.6	55.4	41.9	32.4	51.3	97	− 7	May 3	Oct. 3
Irwin	[k]29.3	[a]27.8	45.5	51.6	63.1	70.3	74.6	71.4	68.0	56.6	43.2	34.8	53.0	99	− 3	May 10	Sept. 29
Johnstown	29.0	26.6	43.2	51.0	62.4	70.4	75.6	71.4	66.8	53.8	41.8	34.2	52.2	98	− 9	Apr. 22	Oct. 3
Kennett Square	31.6	28.2	43.6	52.6	62.4	69.6	75.2	70.2	65.1	57.2	42.2	34.0	52.7	93	3	Apr. 17	Oct. 31
Lawrenceville	24.2	20.7	36.4	46.5	60.1	68.2	71.7	66.8	[c]62.9	52.0	[c]39.4	28.5	48.1	99	−29	May 5	Sept. 16
Lebanon	32.0	26.6	[a]43.3	52.6	[b]62.2	71.4	76.9	71.5	66.8	57.8	42.6	33.8	53.1	100	− 5	Apr. 17	Oct. 13
Le Roy	24.4	20.3	35.5	45.4	58.6	66.2	72.2	67.0	66.2	53.3	39.0	28.3	48.0	93	−15	May 3	Oct. 3
Lewisburg	29.6	22.4	40.5	50.6	62.3	70.0	75.4	70.2	64.8	54.2	41.2	31.6	51.1	99	−18	Apr. 17	Oct. 13
Lock Haven	27.4	23.4	40.0	48.5	62.3	70.4	75.6	70.8	65.9	54.1	41.7	31.2	50.9	98	−12	Apr. 21	Oct. 13
Lycippus	29.7	26.9	44.2	51.4	61.2	69.2	73.8	70.5	68.8	56.6	43.6	33.8	52.5	93	− 1	May 1	Oct. 3
Marion	30.2	25.9	43.8	52.5	63.0	70.6	77.0	72.2	65.8	55.8	41.9	33.6	52.7	104	−10	Apr. 17	Oct. 13
Mauch Chunk	28.3	24.0	38.6	49.4	61.6	68.7	74.6	69.2	65.5	54.6	41.0	30.3	50.5	97	− 7	Apr. 22	Oct. 13
Mifflintown	29.4	23.7	40.8	50.6	62.0	68.8	74.6	69.6	64.7	53.2	40.5	31.7	50.8	99	−13	Apr. 17	Oct. 3
Milford	26.4	21.5	35.8	46.7	58.8	66.4	72.8	66.6	63.2	52.0	38.3	28.4	48.1	97	−15	May 5	Oct. 13
Montrose	21.4	16.4	32.0	43.6	56.4	65.1	70.3	66.5	64.2	51.4	37.4	26.2	45.9	97	−21	May 5	Sept. 30
New Germantown	31.0	24.3	42.4	51.2	60.8	68.0	73.6	69.0	65.2	54.4	42.6	33.8	51.4	96	−12	Apr. 17	Oct. 13
*Philadelphia [a]	34.8	31.2	45.0	54.6	63.6	73.1	78.4	73.4	68.1	60.6	46.3	37.1	55.5	97	5	Apr. 5	Nov. 2
Philadelphia [b]	34.8	31.8	45.6	55.2	64.2	73.4	78.2	73.2	68.4	60.4	46.8	37.6	55.8	98	5	.....	.....
Philadelphia [c]	33.0	29.3	44.3	53.6	63.8	72.0	77.2	72.0	67.0	59.0	43.8	35.0	54.2	98	3	.....	.....
*Pittsburg	30.4	28.0	44.6	51.4	63.4	70.4	74.9	71.6	68.6	56.6	43.8	34.8	53.2	94	− 1	Apr. 4	Oct. 13
Pocono Lake	[a]21.5	[b]16.8	[a]32.0	38.9	54.7	61.8	70.1	64.4	63.0	50.4	36.2	[a]26.4	44.7	95	−20	June 17	Sept. 4
Reading	32.8	27.9	43.8	53.6	64.3	72.3	76.5	71.9	66.6	57.8	42.2	33.2	53.6	98	− 3	Apr. 17	Oct. 13
Saegerstown	27.0	22.4	38.7	46.5	59.2	65.9	70.2	65.8	63.1	52.0	39.4	30.4	48.4	93	−27	May 5	Sept. 30
St. Marys	23.2	[b]19.8	[d]36.6	[a]47.6	[a]58.8	66.4	[a]70.0	68.8	64.6	53.3	38.0	[a]26.7	47.8	95	−14	May 2	Sept. 30
*Scranton	27.4	23.1	38.4	48.0	61.1	68.5	74.4	68.6	65.8	54.0	41.6	30.8	50.1	95	− 7	Apr. 17	Oct. 13
Selinsgrove	29.6	23.3	41.4	50.6	62.7	69.6	74.7	69.9	65.2	55.0	[a]40.8	31.6	51.2	99	−14	Apr. 22	Sept. 30
Skidmore	26.0	24.0	40.5	47.8	60.2	66.6	71.8	67.6	[a]66.6	55.4	39.1	30.8	49.7	96	−15	May 3	Sept. 30
Somerset	24.4	23.0	39.2	47.8	58.2	66.1	72.2	67.8	66.9	52.0	39.4	29.8	48.9	96	−13	May 10	Sept. 16
State College	[a]27.2	[a]22.4	38.9	48.2	59.2	67.2	72.6	67.3	[c]65.0	52.7	39.8	30.6	49.3	94	− 9	May 3	Sept. 16
Towanda	25.5	21.1	36.7	46.4	59.4	66.8	71.5	67.0	63.8	52.4	40.0	29.3	48.3	94	−15	May 5	Oct. 13
Uniontown	30.2	29.1	45.5	52.8	[a]63.2	70.4	74.6	71.5	67.1	57.0	43.2	35.8	53.4	96	− 3	May 1	Oct. 3
Warren	25.0	22.4	37.4	45.4	59.2	65.8	69.6	66.0	63.0		38.8	29.4	47.7	91	−18	May 5	Sept. 30
Wellsboro	24.5	20.5	36.6	46.7	59.4	67.2	71.1	66.2	62.0	51.2	39.3	28.8	47.8	94	−22	May 10	Sept. 16
West Chester	31.6	28.0	43.0	52.8	63.2	71.6	77.0	72.0	66.3	58.1	43.1	34.0	53.4	96	2	Apr. 17	Oct. 13
Wilkes-Barre	28.1	23.8	40.1	49.6	63.2	70.8	75.8	69.2	66.0	54.2	41.6	31.6	51.2	97	− 7	Apr. 22	Oct. 3
Williamsport	28.9	24.2	41.2	50.8	61.8	70.0	74.4	69.5	65.2	55.2	41.2	31.8	51.2	94	− 8	Apr. 17	Oct. 3
Rhode Island.																	
*Block Island	32.6	28.6	37.3	44.4	54.2	64.0	70.3	67.6	63.6	56.6	45.6	36.5	50.1	87	4	Apr. 21	Nov. 4
Bristol	31.3	27.0	37.5	44.8	57.4	66.0	71.2	68.6	63.3	55.5	43.4	34.5	50.0	87	1	Apr. 21	Nov. 4
Kingston	29.0	25.4	36.8	45.2	57.1	66.0	71.6	67.2	62.8	55.0	40.8	32.2	49.1	93	−4	Apr. 22	Oct. 3
*Narragansett Pier	30.7	26.8	37.4	45.0	55.0	64.8	70.6	67.4	62.6	53.8	42.2	33.7	49.2	88	−2	Apr. 21	Oct. 3
*Providence	29.9	26.0	37.8	46.6	59.2	68.2	73.0	68.4	63.8	55.3	42.1	32.8	50.3	95	−2	Apr. 21	Oct. 13
South Carolina.																	
Aiken	49.2	48.0	65.6	67.7	74.2	77.8	80.8	79.4	72.8	62.2	58.6	52.2	65.7	100	22	Feb. 28	Nov. 6
*Allendale	47.8	46.6	64.2	68.1	74.2	78.2	81.2	81.2	74.4	63.6	59.1	53.0	66.0	98	22	Feb. 29	Nov. 6
Anderson	41.9	40.0	58.8	64.2	70.8	74.9	79.0	77.8	71.2	60.4	55.2	47.8	61.8	100	16	Mar. 22	Nov. 15
Barksdale	.....	[f]39.8	[g]64.0	65.4	[c]71.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	Mar. 21	.....
*Batesburg	42.9	40.4	58.7	64.8	70.9	76.8	79.1	76.8	70.9	60.0	56.3	48.3	62.2	94	17	Mar. 21	Nov. 15
Beaufort	50.4	48.8	[i]62.8	.....	[c]75.8	79.1	80.4	80.9	76.1	66.8	62.3	57.4	.....	94	26	Feb. 28	Nov. 5
Bennettsville	43.6	43.6	60.4	66.2	73.1	77.1	80.1	78.7	73.4	64.4	.....	.....	.....	99	19	Mar. 21	.....
*Blackville	47.8	48.8	64.5	67.6	74.8	77.9	81.0	80.8	73.3	62.2	58.4	52.3	65.8	100	20	Feb. 28	Nov. 15
Bowman	46.6	46.2	62.8	68.0	74.4	76.8	79.9	79.2	73.4	63.3	57.2	50.8	64 9	99	19	Feb. 29	Nov. 6
Camden	43.6	42.6	61.6	67.2	72.2	77.2	79.7	78.1	72.3	61.8	55.8	49.8	63.4	98	12	Mar. 22	Nov. 15
*Charleston	49.4	48.5	62.2	68.8	74.0	78.3	81.4	80.4	75.4	65.4	60.8	55.8	66.7	95	26	Feb. 28	None.
*Cheraw	40.9	41.8	59.4	65.4	71.2	76.4	79.9	78.2	70.8	60.4	53.4	47.8	62.1	97	17	Mar. 22	Nov. 6
Clarks Hill	43.8	42.0	61.0	66.3	71.3	[b]76.0	[m]79.8	77.3	71.1	60.0	56.8	49.4	62.9	99	15	Feb. 28	Nov. 6
Clemson College	40.2	40.4	57.8	64.0	69.0	74.3	77.6	76.0	69.0	58.1	53.6	47.6	60.6	91	14	Apr. 4	Nov. 6
*Columbia	44.6	43.4	61.6	66.7	72.5	76.6	80.0	79.0	72.0	61.5	56.8	50.6	63.8	97	20	Feb. 28	Nov. 6
Conway	[a]45.8	45.7	61.4	67.4	72.5	76.6	79.2	80.0	73.6	64.1	58.0	51.4	64.6	98	20	Mar. 21	Dec. 9
Darlington	.....	[b]44.4	[a]60.4	.....	.....	76.9	79.9	[a]78.4	72.2	61.6	54.6	49.2	.....	99	19	Mar. 22	Nov. 6
Dillon	[f]42.9	44.2	61.0	67.1	72.4	76.8	79.8	[a]78.5	72.2	62.6	55.6	50.1	63.6	99	17	Apr. 4	Nov. 15
Due West	42.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Florence	45.0	44.0	61.4	67.0	73.2	78.6	81.0	80.0	73.0	63.0	55.6	50.7	64.4	100	20	Mar. 22	Nov. 6
Georgetown	47.8	47.4	62.9	69.0	73.4	77.4	81.0	79.9	74.8	[b]64.8	59.1	53.3	65.9	94	24	Feb. 27	Nov. 15
*Greenville	39.5	38.4	57.2	62.2	68.4	73.4	76.9	75.6	69.4	58.6	52.0	47.2	59.9	93	15	Mar. 22	Nov. 15
*Greenwood	40.2	38.8	58.8	65.1	72.3	76.0	79.5	78.6	71.0	59.9	53.9	47.6	61.8	99	17	Feb. 29	Nov. 16
Heath Springs	41.2	41.2	60.6	67.8	[a]73.2	77.6	.....	.....	.....	.....	.....	.....	.....	.....	17	Feb. 29	.....
Jacksonboro	.....	.....	.....	.....	.....	[b]76.8	78.8	79.4	73.3	62.4	57.2	53.9	.....	96	.....	.....	Nov. 6
*Kingstree	49.6	49.0	[a]64.4	68.9	74.3	77.1	80.6	78.6	73.3	63.7	58.3	54.6	66.0	94	22	Feb. 28	Nov. 16
Liberty	40.4	39.4	58.1	64.4	72.5	75.4	79.0	77.5	71.4	59.8	55.8	48.6	61.9	97	13	Apr 4	Nov. 6
Little Mountain	44.4	42.7	61.2	[f]66.6	72.4	76.1	79.2	78.2	71.6	61.6	55.8	49.1	63.2	99	18	Apr. 4	Nov. 15
Newberry	42.1	40.9	60.6	66.9	72.8	77.1	80.6	79.0	71.4	60.4	53.2	48.6	62.8	100	19	Mar. 22	Nov. 6
Pinopolis	.....	.....	.....	68.0	72.6	75.9	78.2	.....	.....	.....	.....	52.8	.....	.....	.....	.....	.....
*St. George	48.8	47.8	64.0	69.9	75.2	78.9	81.0	80.8	75.5	66.2	61.5	56.4	67.2	94	23	Feb. 28	Nov. 6
*St. Matthews	43.8	43.4	61.6	66.8	71.2	75.2	78.4	77.4	71.1	61.4	55.4	49.6	62.9	94	21	Mar. 21	Nov. 6
Saluda	42.4	42.2	61.9	[d]66.5	72.8	76.6	79.9	79.1	[b]72.1	60.6	[b]55.6	49.4	63.3	100	17	Apr. 4	Nov. 15
Santuc	41.5	40.0	59.3	64 4	71.3	75.7	79.4	77.6	70.7	59.8	54.2	47.6	61.8	99	16	Mar. 22	Nov. 6
Society Hill	42.4	42.9	60.0	65.8	71.8	76.0	79.1	77.6	70.9	60.6	54.2	48.3	62.5	94	18	Mar. 21	Nov. 15
*Spartanburg	40.6	38.6	58.6	64.9	70.6	75.8	79.4	77.3	71.6	60.1	53.8	45.2	61.4	99	14	Mar. 22	Nov. 6
Stateburg	45.8	45.4	62.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	21	Mar. 21	.....
Summerville	48.0	48.2	64.1	69.0	72.8	77.0	79.8	79.3	73.9	64.0	58.9	53.6	65.7	96	18	Feb. 29	Nov. 6
Trenton	42.4	43.1	61.2	67.0	71.0	75.1	79.4	77.8	70.8	60.5	56.3	50.2	62.9	98	18	Mar. 21	Nov. 15
Trial	46.6	46.0	62.2	67.2	72.2	76.4	79.1	78.3	72.7	62.6	57.6	51.7	64.4	97	18	Feb. 29	Nov. 6
Walhalla	[i]42.0	41.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Walterboro	49.8	[b]48.8	[a]66.1	69.6	[b]73.0	[c]77.1	[a]80.0	[a]80.5	[a]75.0	65.3	60.8	[b]55.2	66.8	98	20	Feb. 29	Nov. 6
Winnsboro	41.8	.....	59.9	62.5	71.6	76.6	79.8	77.6	72.0	62.4	56.4	49.3	.....	98	18	Feb. 28	Nov. 16

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
South Carolina—Continued.																	
Winthrop College	[a]42.4	40.2	59.5	66.0	[b]70.8	76.1	[a]79.8	77.1	70.8	61.1	54.2	47.5	62.1	99	16	Mar. 22	Nov. 5
*Yemassee	46.1	48.8	64.1	68.4	72.7	77.3	79.8	79.1	72.7	62.0	57.0	52.0	65.0	96	20	Feb. 29	Nov. 6
Yorkville	42.3	40.6	60.3	66.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Dakota.																	
*Aberdeen	19.2	16.6	28.0	46.9	54.4	63.7	70.4	65.3	65.3	45.2	33.5	14.6	43.6	99	−24	May 2	Sept. 29
Academy	27.6	24.6	36.3	[f]48.7	55.7	64.8	72.7	69.6	70.4	49.6	37.8	24.2	48.5	102	−14	May 6	Sept. 27
Alexandria	22.2	22.2	35.2	51.6	58.6	67.4	73.8	69.1	69.4	47.8	36.6	22.4	48.0	107	−14	May 7	Sept. 29
Armour	24.3	25.7	35.2	50.2	55.7	66.8	73.6	70.0	70.6	47.7	36.7	22.4	48.2	104	−13	May 11	Sept. 26
Ashcroft	23.8	20.5	28.4	46.0	50.6	60.2	72.1	66.6	63.6	43.8	34.8	22.8	44.4	104	−26	May 21	Sept. 27
Bellefourche	.....	.....	.....	.....	.....	.....	70.7	66.4	63.2	45.4	37.4	25.6	.....	102	.....	.....	Sept. 27
Bowdle	21.9	17.4	27.5	50.2	[f]55.1	62.6	71.5	[c]66.8	65.2	46.0	33.4	17.2	44.6	100	−29	May 21	Sept. 27
Brookings	19.9	17.1	29.9	48.0	55.0	63.4	69.7	66.4	67.0	47.0	35.8	21.2	45.0	99	−20	May 8	Sept. 28
Burke	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[c]24.7	.....	.....	.....	.....	.....
Canton	20.8	.....	.....	48.8	.....	.....	.....	68.0	68.4	47.6	36.4	22.0	.....	.....	−14	.....	Oct. 1
Cascade Springs	27.6	28.2	36.2	49.2	53.9	63.8	72.4	67.7	63.8	46.6	34.8	25.0	47.4	100	−17	May 21	Sept. 27
Castlewood	19.6	16.3	28.6	45.8	53.4	61.8	67.7	64.5	65.2	45.4	34.4	19.2	43.5	99	−22	June 10	Sept. 28
Centerville	23.0	21.8	35.9	49.5	57.0	65.1	71.8	68.8	69.0	48.6	36.8	24.0	47.6	98	−17	May 9	Sept. 27
Chamberlain	28.6	25.8	36.3	52.3	57.2	67.3	74.2	71.0	69.8	50.3	37.4	21.8	49.3	105	−15	May 8	Sept. 27
Cherry Creek[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clark	20.2	15.6	28.4	46.6	53.8	62.2	69.1	66.4	64.6	45.4	33.1	17.5	43.6	98	−21	June 10	Sept. 27
Clear Lake	18.4	.....	.....	46.2	53.0	62.2	68.4	65.2	65.2	45.1	31.5	19.6	.....	96	−23	May 8	Sept. 28
Clifton	21.2	20.8	29.4	[d]46.8	54.0	.....	.....	.....	.....	46.6	[i]36.0	.....	.....	.....	.....	May 22	.....
De Smet	22.0	18.2	30.8	47.4	56.6	[e]62.1	69.6	65.4	.....	47.2	[e]38.4	19.9	.....	97	−18	May 8	Sept. 27
Elk Point	26.3	23.6	37.5	52.8	59.8	68.0	73.9	70.8	71.0	51.1	39.6	[d]27.4	50.2	103	−15	May 7	Sept. 28
Eureka	.....	.....	.....	.....	.....	.....	.....	66.0	64.6	45.4	32.2	16.6	.....	.....	.....	.....	Sept. 27
Fairfax	28.4	25.1	36.8	51.4	56.4	65.0	72.2	68.6	[c]71.2	.....	38.6	25.5	.....	100	−14	May 6	Sept. 27
Faulkton	22.6	19.9	29.2	48.2	54.2	62.8	70.8	66.4	65.0	47.0	34.3	19.0	45.0	98	−19	May 4	Sept. 27
Flandreau	18.4	16.8	29.4	47.5	54.8	62.2	68.3	65.5	66.4	46.5	35.0	20.5	44.3	95	−19	May 8	Sept. 27
Forestburg	22.5	20.0	32.8	49.9	.....	64.6	71.1	67.6	68.2	49.0	37.0	21.2	.....	102	−20	.....	Sept. 27
Fort Meade	31.6	28.5	35.0	50.8	51.7	61.2	70.6	.....	65.2	45.4	40.4	28.4	.....	104	−10	May 20	Sept. 25
Frederick	20.0	16.5	26.8	46.8	53.2	62.6	68.6	[c]65.2	59.1	.....	.....	.....	.....	98	−28	May 22	Sept. 27
Gannvalley	.....	22.6	33.0	49.4	53.8	.....	76.9	69.5	70.2	48.3	36.5	20.6	.....	103	−17	May 7	Sept. 27
Greenwood	29.8	26.6	39.6	54.2	58.8	67.7	74.6	71.4	72.0	51.2	40.0	27.6	51.1	103	−14	May 8	Sept. 29
Hermosa	29.4	27.8	33.8	50.2	52.2	61.1	70.0	66.6	64.8	47.6	38.8	28.4	47.6	104	−20	May 20	Sept. 25
Highmore	23.9	21.2	31.2	50.2	55.2	62.6	71.4	68.4	67.2	47.6	34.6	17.8	45.9	102	−20	May 21	Sept. 27
Howard	21.4	17.8	32.3	48.3	[c]55.6	[e]63.7	69.3	66.2	66.8	46.0	34.2	[c]19.7	45.1	100	−18	May 9	Sept. 27
Howell	21.0	20.5	30.0	47.8	54.0	63.6	71.0	67.7	68.4	47.0	34.0	17.6	45.2	107	−20	May 2	Sept. 26
*Huron	21.4	19.6	31.4	47.4	54.9	64.1	71.0	67.0	67.0	47.0	35.2	19.4	45.4	99	−15	May 2	Sept. 27
Ipswich	[f]22.8	.....	28.6	46.7	53.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	May 22	.....
Kennebec	25.7	23.0	.....	.....	.....	65.6	[c]74.3	69.8	68.4	48.7	[i]35.8	20.4	.....	105	−19	May 22	Sept. 27
Kidder	19.2	14.8	24.9	47.2	52.7	62.8	69.0	63.0	63.7	44.8	29.5	[i]14.1	42.1	94	−26	June 14	Sept. 28
Kimball	26.2	22.6	34.0	50.4	56.1	64.3	72.2	68.2	68.8	48.6	36.5	21.1	47.4	99	−16	May 6	Sept. 29
La Delle	[c]21.8	18.1	30.8	48.8	55.6	65.6	[d]73.0	69.0	68.4	[f]49.0	33.2	18.0	45.9	102	−21	May 22	Sept. 27
Leslie[2]	24.6	22.6	32.7	51.1	57.0	66.4	75.8	71.1	68.9	47.8	38.7	23.4	48.3	107	−21	May 22	Sepr. 29
Little Eagle	.....	.....	.....	49.0	50.6	[c]61.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	May 28	.....
Manderson	.....	.....	.....	.....	[c]55.6	61.8	70.0	[d]68.0	64.0	45.8	34.0	25.1	.....	105	.....	.....	Sept. 1
Marion	24.8	22.9	37.6	52.0	59.2	65.4	72.5	69.4	70.8	50.0	38.6	24.6	49.0	103	−12	May 8	Sept. 29
Mellette	21.6	18.8	29.3	49.2	54.4	63.0	70.1	65.6	65.7	47.6	34.8	19.1	44.9	100	−22	May 22	Sept. 27
Menno	24.5	22.2	35.9	51.1	57.4	64.6	71.6	68.6	70.0	48.8	37.4	24.0	48.0	103	−15	May 2	Sept. 29
*Milbank	20.0	16.4	25.0	45.0	54.1	62.6	69.9	65.6	65.1	45.5	35.6	16.2	43.4	99	−25	May 6	Sept. 28
*Mitchell	22.9	20.8	34.0	49.0	56.3	64.2	71.6	67.8	68.8	47.8	36.2	22.1	46.8	102	−14	May 8	Oct. 7
Montrose	20.0	18.7	31.4	47.6	[c]54.9	62.4	69.2	66.3	66.9	46.6	.....	.....	.....	99	.....	May 9	Sept. 27
Murdo	.....	26.6	.....	[f]47.2	[d]54.9	64.0	74.1	70.4	68.2	48.5	37.8	23.6	.....	101	.....	May 3	Sept. 27
Oelrichs	[d]25.6	27.0	35.5	48.0	52.3	62.1	[i]71.2	68.6	64.3	[h]47.0	[b]35.6	24.1	46.8	103	−16	May 21	Sept. 27
Orman	27.0	23.4	31.7	49.0	52.4	62.7	72.6	68.3	65.6	45.8	38.2	25.2	46.8	104	−15	May 21	Oct. 8
Ottumwa	.....	.....	.....	47.8	54.6	64.0	[d]74.2	68.2	66.0	49.1	35.3	25.0	.....	110	.....	May 22	Sept. 27
Philip	27.3	24.5	33.5	50.2	54.8	.....	75.2	72.8	[d]68.9	.....	.....	23.8	.....	108	−21	May 21	Sept. 27
*Pierre	26.6	24.2	33.2	50.8	56.3	66.0	75.2	71.0	69.4	49.8	37.6	23.4	48.6	102	−13	May 2	Sept. 27
Pollock	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.8	.....	.....	.....	.....	.....
*Rapid City	29.5	25.4	32.8	48.6	50.6	60.8	70.4	67.0	64.9	46.3	39.4	28.2	47.0	102	−16	May 21	Sept. 27
*Redfield	19.3	16.5	28.1	46.6	54.4	63.4	70.6	66.7	66.1	46.2	33.8	17.5	44.1	102	−20	May 8	Sept. 27
Rosebud	29.4	26.3	[d]34.4	[c]48.7	.....	63.4	[f]74.6	72.4	.....	47.3	[b]37.4	.....	.....	99	.....	May 6	Sept. 27
Roslyn	20.2	15.5	25.9	45.6	53.0	61.0	68.8	64.8	64.8	45.0	32.8	15.8	42.8	95	−24	May 6	Sept. 28
Selby	[c]23.2	18.6	29.0	.....	[c]54.6	[d]64.8	.....	[d]66.3	[d]67.0	[d]48.0	[e]35.4	.....	.....	.....	.....	May 22	Sept. 28
Sioux Falls	23.4	20.0	34.1	50.2	57.8	65.2	71.9	68.2	69.9	48.6	38.8	25.4	47.8	98	−14	May 8	Sept. 27
Spearfish	31.6	27.0	34.4	[i]48.6	51.4	62.4	72.0	68.1	65.7	47.0	42.0	29.4	48.3	101	− 4	May 21	Sept. 26
Stephan	23.2	21.8	30.3	48.8	54.0	62.4	70.4	66.6	66.4	47.0	33.4	19.2	45.3	100	−21	May 22	Sept. 27
Tama	.....	.....	.....	.....	.....	.....	.....	.....	.....	43.8	34.1	20.3	.....	.....	.....	.....	.....
Vale	.....	.....	31.2	49.6	52.8	61.6	71.1	67.0	63.9	46.0	36.6	23.0	.....	104	.....	May 22	Sept. 27
Vermilion	26.6	24.3	38.4	51.0	59.6	67.0	73.5	70.6	70.8	50.2	39.7	27.4	49.9	101	− 7	May 7	Sept. 29
Watertown	20.0	17.0	27.0	46.6	54.0	62.4	68.4	65.0	64.8	46.0	35.0	19.6	43.8	96	−20	June 10	Sept. 28
Wentworth	20.9	18.1	30.8	47.6	55.0	63.2	69.6	66.6	66.4	46.1	35.4	21.4	45.1	98	−17	May 8	Sept. 29
Wessington Springs	26.2	22.4	33.6	49.6	56.3	64.2	71.8	.....	69.5	49.7	38.8	20.6	.....	.....	−17	May 3	Sept. 26
*Yankton	26.0	23.8	37.0	51.0	57.4	65.6	72.1	69.0	69.8	48.8	38.1	25.0	48.6	100	−14	May 2	Sept. 29
Tennessee.																	
*Arlington	.....	.....	.....	62.9	70.7	76.8	79.8	78.6	72.4	56.8	.....	.....	.....	98	.....	.....	Oct. 28
Ashwood	38.5	39.3	56.6	[e]62.2	68.8	73.8	78.5	76.4	70.1	57.2	52.2	42.9	59.6	98	11	Apr. 4	Oct. 25
Benton	39.5	40.0	58.0	61.8	68.5	75.4	78.2	77.6	71.4	58.2	54.2	45.8	60.7	99	10	May 1	Oct. 31
*Bolivar	[a]37.6	40.2	57.2	62.4	70.0	75.6	79.0	78.0	72.0	56.7	51.8	[a]42.4	60.2	97	10	Mar. 21	Oct. 25
Bristol	32.0	33.5	51.7	59.7	65.2	70.4	73.6	73.8	68.3	56.4	47.8	40.0	56.0	91	5	Apr. 4	Oct. 31
*Brownsville	40.0	42.3	56.4	61.9	70.4	76.2	79.9	78.0	73.3	57.8	52.9	45.4	61.2	97	14	Mar. 21	Nov. 5
Byrdstown	39.2	39.2	56.2	60.8	67.0	73.0	75.4	75.2	70.0	58.4	53.0	43.7	59.3	93	10	May 1	Oct. 30
Carthage	.....	40.2	[c]59.0	63.0	70.8	76.6	78.2	78.0	75.0	58.0	51.6	44.6	.....	100	.....	Apr. 4	Oct. 31
Cedar Hill	37.7	39.0	56.4	61.5	68.8	75.3	78.4	77.7	73.8	59.4	52.0	43.0	60.2	99	10	Apr. 3	Oct. 31
*Chattanooga	39.8	40.8	57.9	63.8	69.4	76.1	78.7	77.2	71.3	59.4	54.2	46.2	61.2	95	13	Feb. 28	Nov. 6
Chattanooga High School	.....	43.0	59.3	65.0	70.6	.....	.....	.....	.....	60.3	55.2	47.2	.....	.....	.....	.....	.....

[1] See Leslie below.
[2] Prior to September the station at Leslie was known as Cherry Creek.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Tennessee—Continued.																	
Clarksville	37.1	39.4	55.5	60.8	68.8	75.6	78.3	a77.4	72.8	58.4	51.1	42.8	59.8	96	11	May 1	Oct. 31
*Covington	40.6	41.9	57.1	62.0	71.6	77.4	80.0	78.4	72.6	57.0	52.6	45.4	61.4	99	14	Mar. 21	Oct. 13
Decatur	38.0	38.6	56.8	63.5	68.3	74.8	77.8	77.3	70.4	57.8	50.8	44.4	60.4	99	8	May 1	Oct. 28
Dickson	39.0	40.0	56.9	63.0	69.0	74.7	77.3	76.6	71.4	58.2	52.4	43.4	60.2	97	10	Apr. 4	Oct. 31
Dover	38.5	39.8	56.6	61.4	69.7	75.5	79.6	78.4	74.0	58.5	52.0	42.8	60.6	101	10	Apr. 4	Oct. 25
*Dyersburg	38.2	b40.4	c55.2	62.2	70.8	76.0	79.5	78.6	74.6	58.6	52.2	43.4	60.8	97	11	Apr. 3	Nov. 6
Elizabethton	36.8	a37.2	53.8	61.1	68.1	73.0	76.8	74.4	68.0	58.2	49.3	.....	.....	97	7	Apr. 4	Oct. 31
Erasmus	34.2	34.2	53.0	58.4	63.0	68.6	72.4	71.8	64.9	53.6	47.2	40.6	55.2	93	0	May 1	Sept. 29
Florence	38.4	39.8	55.8	61.4	67.4	74.4	77.2	76.6	70.8	57.6	52.3	44.8	59.7	95	12	Apr. 4	Oct. 25
Franklin	38.0	40.1	56.1	60.7	67.8	74.0	a77.0	76.6	71.4	56.4	50.7	43.3	59.3	94	12	Apr. 4	Oct. 31
Harriman	35.8	b38.6	56.5	63.8	b70.0	a76.1	79.0	77.8	70.2	57.0	48.6	42.4	59.6	98	10	May 1	Oct. 30
Hohenwald	.....	38.0	57.8	62.6	68.0	73.3	76.2	75.8	70.9	57.0	53.0	44.4	.....	95	.....	Apr. 4	Oct. 25
Iron City	39.8	40.8	58.6	63.4	68.4	73.8	77.0	76.4	70.4	55.9	52.2	44.0	60.1	96	12	May 1	Oct. 25
Jackson	41.4	43.9	60.2	65.4	71.8	77.4	79.6	79.0	74.4	59.0	55.0	46.4	62.8	99	11	Mar. 21	Nov 5
Johnsonville	38.7	40.6	57.8	62.5	69.2	75.2	78.2	77.6	71.8	57.0	51.4	43.7	60.3	100	11	Apr. 4	Oct. 25
Jonesboro	34.8	35.4	54.0	58.9	65.4	70.5	b74.8	73.0	66.7	56.4	49.2	41.2	56.7	93	6	Apr. 4	Sept. 29
Kenton	39.3	41.5	57.2	62.2	69.8	a76.0	79.4	79.0	c74.5	59.8	53.6	43.8	61.3	100	9	Apr. 3	Oct. 13
*Knoxville	36.8	38.4	55.4	62.0	68.2	74.2	77.2	75.8	70.0	58.0	50.8	42.8	59.1	95	12	Apr. 4	Nov. 5
La Fayette	37.0	38.2	56.2	61.4	67.8	74.0	76.7	76.3	71.3	e58.2	f50.2	39.8	58.9	97	8	May 1	Oct. 25
Lewisburg	38.2	39.8	57.0	62.7	68.6	75.4	78.8	77.6	71.3	57.4	53.2	44.0	60.3	101	12	Apr. 4	Oct. 25
Lynnville	39.4	40.2	56.4	62.1	68.2	74.8	77.4	77.2	71.2	57.5	51.8	44.5	60.1	95	12	Apr. 4	Oct. 25
McMinnville	38.6	38.6	57.2	62.2	66.9	73.8	76.8	76.4	71.4	57.8	52.0	44.2	59.7	98	10	May 1	Oct. 25
Maryville	37.8	38.9	56.4	62.8	68.3	a75.2	78.1	76.5	70.8	58.0	52.0	44.6	60.0	98	10	Apr. 4	Nov. 6
*Memphis	42.0	44.4	59.6	64.0	71.1	77.2	80.5	79.4	75.0	61.1	55.2	46.8	63.0	95	16	Feb. 27	Nov. 12
*Milan	36.6	39.8	54.4	e61.2	69.2	75.0	78.2	77.4	72.4	57.0	50.8	41.3	59.4	97	11	Mar. 21	Oct. 28
Mountain City	.....	32.4	49.7	56.1	63.4	68.6	73.4	70.1	63.4	53.6	44.8	38.4	.....	93	− 3	Apr. 29	Sept. 30
*Nashville	38.6	40.6	57.0	61.2	69.3	75.7	78.4	78.6	73.0	59.2	53.2	44.2	60.8	97	14	Mar. 21	Nov. 6
Newport	a37.4	38.2	54.2	61.4	67.8	73.6	76.6	75.1	68.1	56.4	48.4	d41.0	58.2	93	11	Apr. 4	Nov. 1
Palmetto	39.7	41.4	57.8	62.6	69.2	75.1	78.3	77.2	71.7	58.4	53.0	44.2	60.7	100	11	Apr. 4	Oct. 25
Pinewood	39.8	42.8	56.6	f63.2	68.1	74.0	76.8	f77.6	c70.9	b57.0	51.8	a44.0	60.2	97	9	May 1	Oct. 25
Pope	39.2	41.2	58.3	63.4	69.0	74.9	77.8	77.5	72.5	b56.5	52.2	44.8	60.6	99	10	May 1	Oct. 25
Rogersville	35.6	36.4	53.8	60.2	66.4	72.2	75.6	74.4	68.7	57.2	47.6	41.1	57.4	96	8	Apr. 4	Oct. 31
Rugby	b33.2	34.2	53.4	57.6	64.7	70.0	73.2	73.2	66.4	53.9	48.2	40.0	55.7	94	2	May 1	Sept. 29
Savannah	40.8	a42.7	59.6	63.8	a70.6	75.3	77.8	77.1	71.4	57.1	a53.8	45.4	61.3	96	15	Apr. 4	.....
Sevierville	36.8	38.2	54.6	61.6	67.0	72.8	76.6	75.0	68.6	56.1	49.6	42.8	58.3	96	8	Apr. 4	Oct. 31
Sewanee	37.2	37.4	54.8	.....	66.6	c72.0	74.4	74.2	69.2	.....	b52.3	42.6	.....	93	6	May 1	.....
Sparta	38.1	37.9	56.6	61.8	66.9	74.2	76.8	76.0	70.7	56.0	48.4	43.8	58.9	96	10	May 1	Oct. 24
Springdale	35.3	35.4	53.6	61.5	67.8	73.0	76.4	75.5	.....	56.4	46.2	38.8	.....	96	5	Apr. 12	Oct. 2
Springville	d38.8	39.8	56.2	61.2	68.8	74.2	77.1	76.8	71.6	56.1	50.6	43.3	59.5	97	11	Apr. 4	Oct. 2
Tellico Plains	40.2	40.0	58.3	64.2	68.6	74.9	77.6	77.0	70.6	58.8	53.1	46.0	60.8	98	10	Apr. 4	Nov. 1
Tracy City	36.0	35.6	54.4	59.3	63.4	70.0	72.4	71.5	65.6	53.9	48.2	43.2	56.1	89	7	May 1	Oct. 25
Trenton	39.6	a41.6	56.4	61.8	68.8	a74.4	a78.4	77.6	a72.8	58.6	d50.3	42.4	60.2	98	14	Apr. 4	Oct. 2
Tullahoma	b39.4	39.7	a57.4	62.6	67.8	74.4	77.2	76.4	70.5	a56.2	51.4	44.3	59.8	97	10	May 1	Oct. 25
Union City	b38.5	d40.4	a56.5	.....	.....	b75.3	b78.8	a78.4	f75.0	.....	.....	42.2	.....	99	12	.....	.....
Waynesboro	39.4	40.4	57.6	62.6	68.3	74.0	76.8	76.0	70.5	56.6	52.8	44.5	60.0	95	11	Apr. 4	Oct. 25
Wildersville	.....	.....	.....	62.2	69.2	74.1	77.3	76.8	b72.4	57.5	54.6	44.1	.....	99	.....	Apr. 30	Nov. 4
Yukon	39.4	40.4	57.8	63.2	69.4	75.6	78.2	77.4	72.3	58.9	53.6	45.2	61.0	98	12	Apr. 4	Nov. 5
Texas.																	
*Abilene	47.6	49.6	62.0	62.6	72.4	80.9	78.8	80.7	74.3	64.0	54.2	49.5	64.7	102	15	Mar. 11	Oct. 28
Albany	47.1	48.7	60.4	62.0	71.2	80.6	79.4	81.4	75.0	61.6	50.6	46.3	63.7	104	8	Apr. 30	Oct. 29
*Amarillo	38.8	40.4	52.2	55.7	63.5	73.3	72.8	74.5	67.6	56.7	45.3	41.2	56.8	97	4	Apr. 29	Oct. 22
Austin	52.1	51.8	66.1	68.8	74.0	80.7	81.3	81.0	75.2	65.7	60.0	54.4	67.6	97	24	Feb. 20	Nov. 15
*Ballinger	46.0	.....	61.2	64.1	73.0	82.8	80.5	80.4	74.7	63.3	54.2	50.2	.....	106	11	Mar. 11	Oct. 24
Barstow	42.8	45.4	56.4	57.4	67.8	78.8	76.5	77.1	76.3	67.2	56.4	49.4	62.6	102	17	Mar. 12	Oct. 27
Beaumont	55.2	56.6	.....	.....	.....	.....	.....	.....	78.7	68.1	64.5	59.9	.....	.....	30	Feb. 20	Nov. 14
*Beeville	56.2	56.6	69.6	73.0	79.2	84.8	84.7	85.0	78.0	69.8	64.6	60.1	71.8	103	22	Feb. 20	Nov. 14
Big Springs	47.7	50.0	60.9	63.2	72.5	83.6	79.8	81.8	74.5	64.8	51.7	47.4	64.8	106	13	Feb. 20	Nov. 14
Blanco	.....	.....	.....	66.4	.....	81.3	80.8	78.4	74.2	63.4	56.0	.....	.....	.....	.....	Apr. 30	Oct. 24
Boerne	54.0	50.0	63.5	65.7	75.2	80.2	78.7	78.0	74.4	65.9	58.0	54.4	66.5	100	15	Mar. 12	Oct. 23
Bonham	46.5	47.8	62.4	63.6	71.4	77.4	79.9	80.9	75.0	62.8	55.6	48.5	64.3	104	15	Apr. 30	Nov. 12
Bowie	47.6	48.9	62.6	63.4	72.6	80.4	81.0	83.2	77.0	64.4	56.0	49.8	65.6	107	15	Feb. 22	Oct. 29
Brazoria	56.6	57.3	68.6	73.8	75.8	81.6	81.5	82.0	77.4	68.3	64.0	59.4	70.5	100	23	Feb. 20	Nov. 15
*Brenham	52.6	53.8	68.4	71.8	75.1	82.0	82.0	83.0	77.0	66.7	62.4	55.4	69.2	98	24	Feb. 21	Nov. 14
Brighton	60.6	61.8	68.7	75.2	78.6	83.4	83.2	83.6	79.6	72.1	66.2	61.6	72.9	96	31	Jan. 17	None.
*Brownsville	62.8	64.2	72.8	76.0	80.3	83.1	83.2	83.9	80.0	72.5	68.2	64.4	74.3	100	35	Jan. 13	None.
*Brownwood	.....	.....	61.8	64.4	72.3	82.1	81.4	81.6	74.7	63.6	52.5	.....	.....	105	.....	Apr. 30	Oct. 24
Cameron	.....	54.8	68.0	70.6	76.2	84.0	84.6	83.8	77.2	67.8	60.6	54.6	.....	104	.....	Feb. 20	Nov. 13
Canadian	.....	44.0	55.2	58.7	66.1	.....	.....	78.8	71.0	58.9	47.0	42.1	.....	103	6	May 7	Oct. 24
Carmona	50.4	52.0	67.8	70.4	.....	81.2	81.2	81.8	76.0	62.8	59.6	53.6	.....	100	20	Feb. 22	Oct. 24
Channing	37.2	37.9	52.0	.....	.....	.....	76.2	73.4	70.6	52.4	.....	.....	.....	102	1	May 5	Oct. 21
Childress	.....	48.2	59.3	62.0	.....	.....	.....	.....	.....	.....	52.0	46.0	.....	.....	.....	.....	.....
Clarendon	42.0	43.8	57.4	58.5	68.2	75.0	76.4	78.8	70.4	.....	48.3	43.0	.....	103	7	Mar. 23	Oct. 27
Clarksville	47.8	48.7	65.5	68.1	72.8	80.0	82.4	83.1	76.2	63.4	57.5	50.1	66.3	102	13	Feb. 27	Nov. 14
Claude	.....	39.2	51.5	58.2	.....	72.8	75.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Claytonville	46.4	49.2	59.4	62.0	70.0	80.3	78.6	81.6	73.6	64.0	53.4	.....	.....	102	6	Apr. 30	Oct. 28
Coleman	51.8	52.0	63.3	63.6	71.2	79.0	.....	78.2	73.5	.....	57.6	53.7	.....	.....	18	Apr. 30	.....
Colorado	48.5	51.0	62.4	64.5	72.7	83.4	80.0	81.7	74.9	64.9	52.7	48.6	65.4	107	13	Apr. 30	Oct. 24
Columbia	55.7	55.8	69.4	73.8	76.8	83.4	81.8	82.0	76.6	66.4	62.2	58.5	70.2	101	22	Feb. 20	Nov. 14
*Corpus Christi	59.2	59.7	69.3	73.6	77.6	82.0	82.8	83.0	78.4	71.4	65.8	60.3	71.9	95	35	None.	None.
*Corsicana	49.3	51.8	65.7	69.5	.....	83.8	84.4	83.9	76.6	64.9	57.4	50.0	.....	102	20	Feb. 20	Nov. 14
Crockett	52.0	52.2	67.0	70.0	76.1	81.9	83.4	83.0	78.2	66.4	60.9	55.0	68.8	103	21	Feb. 20	Nov. 14
*Cuero	53.6	54.2	.....	72.7	75.4	84.8	84.4	84.4	78.4	70.1	61.6	57.4	.....	102	25	Feb. 21	Nov. 14
Danevang	56.0	56.4	68.5	73.6	77.1	84.0	83.2	84.2	78.2	68.3	63.5	59.8	71.1	100	24	Feb. 20	Nov. 15
Dalhart	.....	.....	.....	.....	.....	72.4	73.4	74.2	68.0	53.8	.....	.....	.....	102	.....	.....	Sept. 28
*Dallas	46.8	47.4	63.6	65.2	72.0	80.6	81.4	82.0	76.3	64.6	56.0	49.2	65.4	102	15	Feb. 23	Nov. 14
Decatur	.....	.....	.....	.....	70.1	.....	.....	.....	.....	.....	57.4	.....	.....	.....	.....	May 2	.....
*Del Rio	53.6	54.2	67.1	68.9	78.2	84.4	82.8	82.1	77.7	67.6	59.0	54.4	69.2	104	17	Feb. 20	Oct. 28
Dialville	50.2	50.8	65.4	67.7	73.0	80.8	81.3	.....	.....	.....	.....	52.8	.....	.....	22	Feb. 20	.....
*Dublin	49.0	49.4	63.6	63.4	71.6	79.6	79.7	80.6	75.3	64.6	57.3	52.3	65.5	99	19	Feb. 22	Nov. 13
Duval	52.8	53.2	66.6	66.8	74.1	80.9	81.7	82.0	76.6	67.5	61.4	55.2	68.2	100	22	Apr. 30	Nov. 14
Eagle Pass	52.9	55.8	70.4	.....	77.8	87.8	85.1	82.8	82.2	.....	59.4	55.6	.....	106	20	Feb. 16	Dec. 21

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Texas—Continued.																	
*El Paso	45.8	49.6	59.4	62.4	69.2	80.9	78.3	77.6	73.0	61.0	50.9	46.6	62.9	101	21	Feb. 19	Oct. 23
Encinal	.....	.....	.....	75.0	82.0	87.8	86.0	86.0	80.6	71.4	64.8	59.2	.....	107	.....	.....	Nov. 13
Fairland	.....	.....	.....	.....	.....	.....	.....	82.4	77.0	66.5	.....	.....	.....	.....	.....	.....	Oct. 24
Falfurrias	64.6	64.2	74.2	78.4	82.4	86.0	84.8	86.0	81.4	71.7	66.6	60.4	75.1	104	30	Feb. 20	Nov. 15
Flatonia	54.8	55.4	68.4	71.4	75.4	82.4	82.3	83.3	78.1	69.0	64.1	57.6	70.2	102	22	Feb. 20	Oct. 24
Fredericksburg	49.9	51.8	63.6	65.4	73.3	80.4	80.2	79.4	73.2	64.0	56.8	53.4	66.0	99	15	Feb. 20	Oct. 24
Fort Clark	54.0	54.8	68.6	67.4	76.9	82.4	82.8	83.4	79.1	68.6	59.4	53.4	69.2	104	22	Feb. 21	Dec 20
Fort McIntosh	56.6	59.4	73.6	74.8	82.1	87.6	85.8	83.6	.....	69.0	62.4	57.0	.....	115	22	Feb. 20	Oct. 28
Fort Stockton	49.8	52.4	64.4	65.8	73.6	83.9	76.9	78.0	72.8	64.8	54.4	51.8	65.7	110	15	Mar. 23	Oct. 27
*Fort Worth	48.6	49.7	63.5	64.4	72.8	80.2	81.2	82.2	76.1	64.4	57.2	50.8	65.9	100	20	Feb. 22	Nov. 13
Fort Worth	47.6	48.6	65.2	64.8	74.0	82.0	83.2	84.4	77.0	64.2	56.0	50.3	66.4	105	17	Feb. 27	Oct. 24
Gainesville	46.6	47.6	62.8	64.4	72.9	79.6	81.3	82.2	77.6	67.4	57.6	48.6	65.6	105	17	Feb. 27	Nov. 14
*Galveston	55.0	55.0	66.3	72.9	75.9	82.2	81.9	83.1	78.0	69.6	64.6	59.2	70.3	91	32	Feb. 2	None.
Gatesville	50.8	.....	.....	.....	.....	.....	81.2	82.2	76.4	.....	55.5	54.6	.....	.....	.....	.....	Oct. 24
Georgetown	52.8	52.4	66.4	69.7	.....	83.6	82.5	81.8	76.6	66.0	58.0	52.1	.....	105	16	Apr. 30	Oct. 24
Graham	49.2	48.7	62.6	62.6	73.2	82.2	81.2	.....	76.5	63.2	54.3	48.6	.....	.....	11	Apr. 17	Oct. 28
Grapevine	50.4	51.1	64.8	.....	73.4	80.0	81.6	83.0	77.7	66.8	57.5	52.6	.....	106	18	Feb. 22	Nov. 14
*Greenville	46.5	49.2	64.4	66.8	73.0	80.3	83.2	84.2	76.8	63.8	56.2	48.4	66.1	104	18	Feb. 22	Nov. 14
Hallettsville	56.4	56.4	69.8	73.2	77.4	83.6	83.0	84.4	78.0	67.6	63.3	57.4	70.9	100	24	Feb. 20	Nov. 15
Haskell	46.8	50.0	61.2	62.8	72.0	80.8	78.8	81.6	.....	.....	.....	48.0	.....	103	14	Mar. 11	.....
*Henrietta	45.8	.....	.....	62.0	71.4	78.8	79.5	82.0	75.6	62.8	53.0	49.6	.....	108	.....	Apr. 29	Oct. 24
Hereford	40.4	.....	.....	56.3	63.6	73.8	73.0	74.2	66.6	54.8	43.8	39.0	.....	.....	.....	May 7	.....
Higgins	41.1	41.0	.....	58.6	66.7	73.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 9	.....
Hillsboro	.....	53.1	.....	.....	.....	80.5	85.6	.....	.....	.....	62.0	.....	.....	.....	.....	.....	.....
Hondo City	.....	56.4	69.4	70.6	.....	83.9	84.4	82.0	.....	68.6	60.8	.....	.....	.....	.....	Apr. 30	Oct. 28
*Houston	53.0	54.6	69.2	73.6	76.3	82.4	82.5	83.0	78.0	67.0	62.0	57.4	69.9	99	25	Feb. 20	Nov. 14
Hubbard	.....	.....	65.0	66.6	73.4	80.7	81.9	82.2	.....	.....	59.6	.....	.....	.....	.....	Apr. 29	Nov. 14
*Huntsville	49.3	50.3	65.4	70.2	75.8	82.3	81.6	82.0	76.2	63.3	59.8	53.8	67.5	99	21	Feb. 21	Nov. 14
Jewett	49.8	49.2	64.9	67.7	.....	.....	80.2	80.2	74.4	62.6	57.6	50.5	.....	.....	17	Apr. 30	Oct. 10
Junction	.....	51.4	63.4	66.0	73.2	80.3	80.2	79.1	73.8	67.6	.....	.....	.....	104	.....	Apr. 30	Oct. 24
Kaufman	48.8	50.7	65.8	67.8	74.7	81.8	83.2	83.6	77.0	64.4	57.6	51.8	67.3	100	20	Feb. 22	Nov. 14
Keene	.....	.....	63.8	64.9	72.1	80.0	81.4	82.2	73.9	.....	57.6	54.2	.....	103	19	Feb. 22	Sept. 27
*Kerrville	53.8	53.0	64.4	67.2	74.8	80.7	79.8	79.0	72.8	63.6	58.4	55.0	66.9	98	13	Apr. 30	Oct. 24
Knickerbocker	48.2	50.5	64.4	64.8	74.9	84.4	80.4	81.1	74.4	65.8	54.6	50.6	66.2	107	12	Apr. 30	Oct. 24
*Lampasas	48.5	49.8	64.3	65.7	73.3	82.1	82.2	81.8	75.6	64.8	56.8	52.2	66.4	104	14	Feb. 27	Oct. 25
Liberty	54.8	54.9	68.6	72.0	75.2	81.0	81.3	82.5	77.3	65.6	62.4	57.9	69.5	98	24	Feb. 20	Nov. 14
Llano	52.1	52.4	67.1	.....	.....	.....	83.9	83.0	77.2	65.2	58.4	55.2	.....	.....	18	Apr. 30	Nov. 14
Llano Grande	.....	.....	74.8	80.5	83.2	86.4	84.7	85.6	81.8	72.8	68.9	63.4	.....	103	.....	.....	None.
*Longview	46.7	48.3	64.4	68.3	73.4	81.6	82.1	82.2	75.6	62.2	56.8	50.2	66.0	99	22	Feb. 28	Nov. 14
Lufkin	51.7	52.6	67.7	70.4	75.1	81.8	81.4	82.2	77.3	64.0	60.8	55.6	68.4	100	22	Feb. 21	Oct. 24
*Luling	52.6	53.0	66.8	70.4	75.6	82.8	82.8	82.9	77.2	67.4	61.0	55.6	69.0	101	21	Feb. 20	Nov. 14
Marshall	.....	.....	.....	.....	.....	.....	81.9	81.1	75.1	61.6	57.9	.....	.....	.....	.....	.....	Oct. 29
McLean	40.7	41.6	52.6	57.2	65.2	72.7	73.5	75.8	69.4	57.6	47.9	43.7	58.2	99	5	.....	Oct. 23
Memphis	40.7	41.9	58.8	60.0	68.8	78.0	78.4	79.5	72.7	62.0	51.4	44.3	61.6	102	10	Mar. 24	Oct. 24
*Mexia	48.4	49.4	65.2	66.7	72.4	80.2	81.5	81.6	75.2	64.2	57.3	49.6	66.0	100	21	Apr. 30	Oct. 24
Miami	40.7	42.5	54.4	59.4	.....	74.8	76.0	77.6	70.7	57.7	45.8	41.4	.....	99	5	May 7	Oct. 24
Mount Blanco	41.9	44.0	56.0	58.8	67.0	77.0	75.2	77.5	70.6	59.7	48.0	43.4	59.9	100	9	Mar. 21	Oct. 23
*Nacogdoches	49.0	50.2	66.3	68.1	72.6	79.5	80.1	80.0	75.3	62.4	58.0	53.0	66.2	96	22	Feb. 21	Oct. 24
Nazareth	44.6	40.0	.....	54.8	.....	.....	73.4	72.7	64.6	.....	.....	.....	.....	.....	.....	Apr. 29	Oct. 2
New Braunfels	.....	54.6	68.0	69.6	75.9	82.3	83.0	.....	76.2	68.2	60.9	56.4	.....	.....	.....	Feb. 21	Nov. 14
*Palestine	50.2	50.7	65.5	68.1	72.9	79.3	80.4	80.8	75.6	64.8	59.7	53.4	66.8	96	23	Feb. 20	Nov. 14
Pampa	.....	.....	.....	.....	.....	.....	72.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Paris	45.8	46.8	61.8	64.8	71.7	78.4	81.4	82.5	76.6	62.8	55.7	49.1	64.8	104	18	Feb. 22	Nov. 14
Pierce	51.2	52.6	.....	71.2	75.4	81.4	80.9	81.4	76.0	68.0	62.4	57.5	.....	98	24	Feb. 20	Nov. 14
Plainview	.....	.....	.....	.....	.....	.....	.....	.....	68.4	57.6	47.4	42.8	.....	.....	.....	.....	Oct. 23
Plemons	37.4	39.4	51.0	55.6	63.0	73.8	75.4	76.2	68.5	56.1	42.8	38.0	56.4	105	− 2	May 7	Sept. 28
Point Lavaca	56.6	57.4	69.2	73.3	76.2	83.1	83.4	84.2	78.7	69.4	64.4	59.4	71.3	100	30	Jan. 18	Nov. 14
*Quanah	44.2	.....	.....	.....	69.3	79.3	78.8	80.3	.....	.....	53.2	46.2	.....	.....	.....	Mar. 10	.....
Robert Lee	.....	.....	62.0	62.4	73.2	83.4	80.3	82.7	75.8	65.5	56.2	50.8	.....	106	.....	Apr. 3	Nov. 28
Rossville	.....	.....	.....	.....	.....	.....	84.8	83.8	77.8	68.6	62.6	56.6	.....	.....	.....	.....	Nov. 15
Sabinal	56.3	57.5	70.2	72.5	78.4	85.0	84.2	83.4	78.4	69.8	62.6	58.4	71.4	104	18	Feb. 20	Nov. 14
San Angelo	49.2	52.9	65.0	.....	74.4	84.7	80.2	80.8	75.4	65.3	55.8	51.2	.....	109	15	Apr. 30	Oct. 24
*San Antonio	54.7	55.3	67.8	70.3	76.2	82.6	82.6	82.7	77.2	68.1	62.3	56.6	69.7	102	22	Feb. 20	Nov. 14
San Antonio	53.2	54.2	67.2	70.2	77.9	84.4	84.2	81.6	75.4	66.4	59.5	53.5	69.0	103	18	Feb. 20	Nov. 14
*San Marcos	52.6	53.8	66.7	69.5	74.0	81.8	82.0	81.6	76.0	64.9	60.3	54.6	68.2	99	20	Feb. 20	Nov. 14
San Saba	49.4	50.4	63.4	64.4	73.2	81.0	79.6	80.1	73.7	63.0	56.3	51.6	65.5	101	12	Apr. 30	Oct. 24
Seymour	45.6	48.2	59.8	61.5	70.6	80.6	78.3	80.9	74.7	62.6	51.2	46.7	63.4	102	13	Mar. 21	Oct. 27
*Sherman	.....	.....	61.7	65.7	71.8	78.8	81.1	82.6	75.6	65.0	62.2	.....	.....	98	.....	.....	.....
Sonora	49.2	50.0	61.6	65.2	73.6	80.8	78.2	78.6	73.3	62.5	53.9	52.0	64.9	105	7	Apr. 30	Oct. 24
Sugarland	54.2	55.6	68.8	73.2	76.8	81.7	82.0	83.1	78.4	67.0	63.2	59.0	70.2	100	25	Feb. 20	Nov. 14
Sulphur Springs	46.8	49.5	64.5	65.6	73.2	78.1	80.8	81.2	75.6	63.8	57.0	.....	.....	100	20	Feb. 22	Nov 14
*Taylor	51.4	52.0	65.9	68.0	74.2	82.0	82.2	81.7	76.0	66.2	60.5	53.6	67.8	100	20	Feb. 20	Nov. 14
*Temple	47.5	50.6	64.0	.....	72.8	81.9	82.4	82.0	75.5	65.4	59.0	50.8	.....	102	15	Apr. 30	Nov. 14
Temple	47.2	48.1	65.1	67.6	73.4	82.4	83.0	82.2	75.5	65.7	58.7	51.4	66.7	99	18	Apr. 30	Nov. 14
Texline	37.4	38.4	51.2	50.6	57.4	71.3	72.0	74.3	64.8	.....	.....	30.6	.....	100	3	May 7	Sept. 26
Tilden	.....	.....	.....	75.4	79.8	87.4	.....	.....	.....	.....	66.8	.....	.....	.....	.....	.....	Nov. 15
Tulia	.....	.....	.....	.....	63.2	74.2	73.8	74.0	67.8	57.6	46.6	40.8	.....	100	.....	Apr. 29	Sept. 28
Uvalde	.....	.....	70.8	71.9	78.5	85.0	84.0	82.2	78.2	69.7	62.6	58.4	.....	104	.....	Apr. 30	Nov. 15
Victoria	56.8	57.4	69.0	73.0	76.8	82.7	83.0	83.6	77.9	69.6	64.7	59.8	71.2	98	27	Feb. 20	Nov. 15
*Waco	49.6	5.05	65.9	68.3	74.6	84.1	84.4	84.2	78.0	66.4	58.4	52.3	68.1	101	21	Feb. 21	Nov. 14
*Waxahachie	46.6	47.4	63.2	65.1	72.8	82.0	81.4	82.0	75.1	63.9	55.6	48.8	65.3	102	13	Apr. 30	Nov. 14
*Weatherford	46.7	48.0	61.9	63.6	72.8	81.1	82.1	83.0	75.8	63.8	55.0	48.2	65.2	101	17	Feb. 22	Nov. 14
*Wharton	54.5	54.8	67.7	71.8	.....	.....	80.2	81.6	76.0	65.9	60.8	.....	.....	.....	.....	Feb. 6	Nov. 13
Wichita Falls	.....	.....	.....	.....	.....	.....	.....	.....	72.4	61.5	.....	.....	.....	.....	.....	.....	.....
Wills Point	45.5	48.2	63.4	66.4	72.4	78.6	81.4	.....	75.8	64.0	.....	50.8	.....	.....	19	Feb. 22	Nov. 13
Utah.																	
Annabella	.....	.....	.....	.....	.....	59.5	69.1	65.7	57.6	42.4	35.8	25.5	.....	98	.....	May 29	Aug. 31
Beaver	31.0	33.2	39.2	46.8	47.3	56.2	67.6	65.8	58.0	43.4	37.7	28.9	46.3	92	−10	June 6	Aug. 31
Castle Dale	25.0	29.6	.....	48.3	52.0	63.4	72.6	69.2	59.4	44.4	35.3	17.4	.....	97	−17	June 23	Aug. 30
Cedar City	34.4	34.6	43.4	49.6	51.4	62.6	.....	67.4	62.4	45.4	42.5	32.1	.....	.....	− 3	May 28	Sept. 26
Corinne	28.6	33.8	41.5	53.0	54.6	61.4	77.9	72.3	63.8	47.6	37.6	20.8	50.0	103	− 1	May 17	Sept. 25

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Utah—Continued.																	
Coyoto	27.4	31.7	36.8	46.2	47.8	57.4	66.7	62.8	55.3	41.8	34.0	.....	.....	90	.....	June 22	Sept. 25
Deseret	29.0	32.8	39.4	46.6	50.4	61.0	74.3	70.0	61.1	45.8	36.4	22.8	47.5	101	−16	May 21	Aug. 31
Dragon	.....	.....	41.7	48.2	.....	.....	.....	.....	.....	.....	32.2	.....	.....	.....	.....	.....	.....
Emery	27.9	30.5	43.5	51.1	54.2	59.0	69.8	65.2	56.4	44.6	35.9	26.8	47.1	89	− 8	June 22	Sept. 26
Escalante	28.0	30.4	42.2	49.0	51.2	58.4	70.1	66.9	60.6	45.4	38.4	25.3	47.2	92	−10	June 4	Sept. 26
Experiment Farm	39.8	44.2	49.8	.....	.....	71.0	81.8	78.3	.....	53.2	43.6	35.8	.....	107	−14	.....	Oct. 4
Farmington	30.6	35.4	41.4	50.8	51.8	59.5	72.4	68.2	60.2	47.0	36.8	28.2	48.5	95	− 1	June 3	Sept. 26
Fillmore	35.8	38.8	43.6	52.9	53.2	63.2	75.9	73.0	65.1	49.0	43.1	31.0	52.0	105	− 9	May 20	Sept. 26
Fort Duchesne	9.7	12.2	38.8	.....	50.0	59.1	70.5	67.6	57.0	41.4	31.6	9.8	.....	97	−25	May 19	Aug. 31
Frisco	.....	.....	39.8	49.3	49.6	61.6	74.8	69.6	60.2	43.1	38.0	29.5	.....	98	.....	June 4	Sept. 26
Garrison	31.4	32.9	40.8	51.5	50.8	6.00	.....	72.4	62.1	39.7	.....	28.2	.....	93	− 9	June 24	Aug. 31
Government Creek	29.8	32.0	39.0	48.0	48.6	58.3	72.8	69.9	62.0	44.3	36.1	28.4	47.4	96	− 8	May 24	Sept. 25
Grayson	30.5	33.2	41.4	48.4	51.0	62.8	73.3	67.2	59.4	46.4	38.6	25.9	48.2	95	− 9	June 6	Sept. 26
Green River	25.1	34.6	46.3	56.8	59.1	70.8	83.0	78.0	66.8	52.6	37.4	20.2	52.6	109	− 9	May 31	Sept. 27
Heber	19.2	26.6	35.4	45.8	48.1	56.0	67.4	63.6	55.4	42.4	32.0	21.6	42.8	94	−16	June 23	Sept. 27
Henefer	19.8	27.0	34.6	44.6	48.4	54.4	66.2	63.4	55.9	42.2	32.8	24.0	42.8	94	−18	June 24	Aug. 31
Hite	37.0	41.7	53.0	59.7	63.1	74.6	86.1	81.4	71.8	55.1	45.4	33.4	58.5	106	17	Mar. 12	Oct. 21
Ibapah	26.8	25.8	31.1	.....	39.6	51.0	64.4	60.3	58.0	43.1	33.8	25.8	.....	88	− 8	June 23	Aug. 30
Kelton	24.4	29.4	39.0	50.2	51.4	59.4	73.3	68.4	59.6	43.6	32.0	21.6	46.3	98	− 5	May 17	Sept. 23
La Sal	.....	.....	.....	46.1	47.6	58.1	68.8	64.4	57.7	41.0	35.5	25.4	.....	87	.....	June 4	Sept. 26
Levan	27.2	31.5	39.1	48.4	50.0	59.1	71.0	66.8	58.4	44.0	35.6	24.5	46.3	93	−14	May 10	Sept. 26
Loa	18.8	20.3	28.9	39.0	42.9	54.4	65.0	60.2	50.6	36.6	27.4	16.0	38.3	88	−25	June 24	Aug. 31
Logan	25.2	27.2	38.8	50.4	49.8	56.0	72.3	67.6	60.2	45.0	34.2	23.8	45.9	95	− 6	May 10	Sept. 25
Lucin	.....	.....	39.5	49.4	50.2	58.5	73.9	69.2	62.7	44.7	35.9	25.2	.....	99	.....	May 21	Sept. 24
Manti	.....	.....	.....	.....	.....	.....	69.4	61.2	52.1	39.4	33.4	23.1	.....	84	.....	.....	Aug. 31
Marysvale	29.0	33.2	39.0	46.5	49.0	58.0	67.4	64.3	57.1	42.9	34.2	23.2	45.3	92	−21	May 21	Aug. 31
Meadowville	19.2	19.4	31.0	43.0	46.2	52.2	64.4	60.6	53.7	39.9	30.3	23.6	40.3	92	−14	May 14	Aug. 26
Milford	34.6	37.2	49.7	.....	.....	63.6	73.8	70.6	61.2	49.0	39.2	29.2	.....	99	−23	May 30	Aug. 30
Moab	30.0	36.0	48.0	57.0	60.0	69.2	78.7	75.1	65.4	50.8	38.4	27.8	53.0	102	6	May 18	Sept. 27
*Modena	30.9	32.8	38.8	47.2	48.7	59.9	72.0	67.4	58.8	43.0	36.2	24.6	46.7	96	−17	May 27	Sept. 26
Morgan	20.0	24.6	36.6	47.7	49.8	55.7	67.7	64.8	55.2	40.4	34.2	24.0	43.4	94	−19	June 30	Aug. 29
Mount Nebo	.....	.....	41.4	52.3	53.4	62.0	73.8	71.0	62.6	46.0	36.2	25.2	.....	98	.....	May 22	Sept. 26
Mount Pleasant	29.4	31.6	38.6	.....	.....	.....	.....	.....	59.2	43.8	38.4	.....	.....	.....	.....	.....	Sept. 26
Oak City	30.0	33.6	40.2	51.2	51.5	63.6	76.3	72.8	65.2	46.2	38.6	26.6	49.6	99	−11	May 21	Sept. 28
Ogden[1]	28.6	33.0	41.0	53.2	53.6	60.6	75.4	69.4	61.3	46.2	38.0	28.0	49.0	93	4	Apr. 26	Sept. 25
Ogden[2]	32.0	36.4	43.8	55.6	57.2	64.6	79.6	74.1	64.4	48.7	39.6	31.8	52.3	.....	.....	.....	Sept. 26
Park City	21.7	26.0	31.4	42.4	44.0	51.8	61.0	58.9	53.0	39.6	35.4	.....	.....	86	.....	June 23	Aug. 31
Parowan	32.8	34.5	40.2	48.2	49.6	60.0	.....	67.0	59.4	45.6	39.7	30.2	.....	92	− 8	May 9	Sept. 27
Pinto	29.2	30.3	35.1	.....	45.4	54.7	66.6	65.0	55.1	39.4	29.5	26.8	.....	94	−12	June 9	Sept. 17
Provo	.....	36.4	41.4	52.0	52.6	60.4	72.7	68.4	60.3	47.4	39.0	28.8	.....	97	.....	May 17	Sept. 26
Ranch	.....	26.2	33.0	42.6	44.2	53.2	63.4	61.3	54.0	39.4	34.7	23.6	.....	90	.....	June 20	Aug. 29
Richfield	28.5	31.4	36.8	47.1	49.4	59.0	66.6	65.6	56.9	47.2	39.2	25.3	46.1	98	−13	June 30	Sept. 2
St. George	44.6	47.3	52.8	60.2	62.8	73.7	84.2	81.6	72.0	56.1	47.2	40.1	60.2	107	12	Mar. 29	Oct. 21
Saltair	22.1	27.2	34.8	48.1	51.0	60.7	74.1	71.2	62.0	47.2	36.6	27.8	46.9	90	0	Apr. 9	Sept. 27
*Salt Lake City	31.2	36.2	41.0	52.4	51.8	60.8	75.6	71.0	63.4	48.2	39.8	30.1	50.1	95	6	Apr. 7	Sept. 27
Scipio	32.1	35.2	39.0	48.0	49.2	57.4	69.0	66.4	57.6	44.0	36.9	25.6	46.7	94	−25	June 29	Aug. 31
Scofield	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.7	25.0	9.7	.....	.....	.....	.....	.....
Silver Lake	.....	.....	.....	.....	.....	.....	.....	.....	50.4	36.0	.....	.....	.....	.....	.....	.....	.....
Snowville	25.0	28.2	36.2	47.0	48.2	55.7	68.6	64.2	58.4	43.0	32.8	24.7	44.3	100	− 9	June 28	Sept. 27
Springdale	41.8	44.2	50.8	57.2	59.6	74.2	84.0	80.3	72.2	56.7	50.6	40.3	59.3	105	13	Apr. 9	Oct. 19
Strawberry Valley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.4	.....	.....	.....	.....	.....	.....
Teasdale	.....	.....	.....	47.1	48.2	57.7	67.8	65.0	55.7	.....	35.2	23.3	.....	89	.....	May 27	Sept. 23
Theodore	17.5	17.8	36.0	47.6	48.9	57.4	68.5	65.0	57.7	40.2	29.1	12.3	41.5	94	−29	June 23	Aug. 31
Thistle	27.0	29.8	36.3	53.0	54.1	61.2	68.1	68.6	58.2	50.2	38.1	24.8	47.4	103	−14	June 8	Sept. 1
Tooele	30.0	34.2	41.2	50.7	51.8	58.4	72.2	68.2	61.7	46.6	38.2	28.9	48.5	92	− 1	May 26	Aug. 31
*Tropic	30.6	30.0	40.3	47.0	48.2	58.6	68.6	65.0	60.0	40.3	38.6	27.0	46.2	93	− 3	June 19	.....
Trout Creek	26.6	32.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vernal	.....	.....	.....	.....	.....	.....	.....	68.6	59.4	42.7	30.4	13.3	.....	.....	.....	.....	Sept. 26
Wellington	23.0	26.2	37.4	44.4	45.4	53.4	65.3	61.8	52.3	39.2	28.1	11.2	40.6	86	−29	June 19	Sept. 1
Woodruff	10.4	15.2	29.2	.....	.....	51.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	June 23	.....
Vermont.																	
Bloomfield	15.6	12.8	26.4	35 4	55.4	62.0	68.8	61.8	59.2	47.2	32.2	17.8	41.2	93	−35	June 5	Sept. 15
*Burlington	17.4	14.3	28.4	38.6	57.2	64.3	71.6	66.0	63.0	50.4	37.7	21.5	44.2	96	−27	May 5	Oct. 5
Cavendish	20.2	15.7	29.4	.....	56.4	64.0	70.8	64.0	.....	.....	35.1	.....	.....	98	−21	June 3	.....
Chelsea	15.6	10.7	26.4	35.0	54.2	61.8	68.8	61.6	59.6	47.7	30.8	17.9	40.8	90	−23	June 3	Sept. 20
Cornwall	.....	.....	.....	.....	.....	.....	.....	.....	.....	53.9	39.0	.....	.....	.....	.....	.....	.....
Enosburg Falls	15.6	13.8	28.8	38.6	57.8	63.4	70.2	65.0	61.6	50.0	36.4	18.4	43.3	94	−34	June 3	Sept. 15
Jacksonville	16.2	14.0	28.5	40.4	56.0	62.8	69.7	62.8	56.6	48.2	33.4	22.8	42.6	93	−32	June 3	Aug. 28
Manchester	20.8	17.6	31.0	41.6	56.7	62.5	68.4	62.0	60.0	49.2	37.1	24.2	44.2	88	−24	May 5	Sept. 30
*Northfield	16.2	11.8	27.3	37.5	55.0	60.6	68.1	61.7	59.3	46.4	33.8	19.3	41.4	92	−35	June 3	Oct. 3
St. Johnsbury	16.8	14.2	28.6	38.5	57.6	65.4	72.2	64.2	61.5	48.6	34.9	18.8	43.4	95	−36	June 3	Sept. 20
Wells	19.2	15.6	30.0	39.3	56.9	65.4	70.2	64.2	63.1	50.2	35.0	22.6	44.3	88	−24	May 5	Oct. 3
Woodstock	19.8	17.4	31.0	42.7	57.6	64.0	71.0	65.0	62.3	49.6	35.8	22.8	44.9	93	−30	May 5	Sept. 20
Virginia.																	
Arvonia	35.0	33.2	51.8	59.8	66.6	71.4	77.6	74.1	66.2	57.4	47.4	40.0	56.7	100	3	Apr. 17	Oct. 13
Ashland	35.8	33.6	50.6	58.4	66.2	71.2	77.2	73.4	66.8	58.2	47.8	38.6	56.5	96	11	Apr. 17	Nov. 1
Big Stone Gap	34.4	34.8	51.6	58.7	64.6	69.8	73.0	71.3	65.5	55.3	45.6	40.4	55.4	91	4	Apr. 4	Oct. 3
Blacksburg	30.4	28.4	48.1	53.6	60.8	67.5	71.0	67.9	61.2	51.6	41.8	[a]34.0	51.4	92	− 4	Apr. 22	Sept. 30
Bristol	32.0	33.5	51.7	59.7	65.2	70.4	73.6	73.8	66.3	56.4	47.8	40.0	56.0	91	5	Apr. 4	Oct. 31
Burkes Garden	26.4	26.2	45.8	51.2	57.8	62.9	67.4	65.0	57.9	48.0	41.6	34.2	48.7	86	−20	May 1	Sept. 30
Callaville	39.6	37.2	54.2	[c]60.0	65.9	.....	.....	.....	67.2	60.2	52.2	43.4	.....	.....	14	Apr. 4	Nov. 1
*Cape Henry	40.6	38.0	52.0	59.0	65.6	72.2	78.6	76.7	70.0	62.8	52.4	44.6	59.4	95	17	Mar. 22	Nov. 6
Charlottesville	38.5	30.0	50.2	[a]59.7	65.6	72.0	78.0	73.2	68.0	59.8	50.2	40.6	57.2	96	7	Apr. 5	Nov. 5
Columbia	35.6	34.0	51.1	59.2	65.7	70.2	76.2	72.8	65.6	56.8	47.6	40.2	56.2	93	9	Apr. 17	Oct. 31
Culpeper	34.0	30.2	48.8	56.8	65.2	70.6	77.0	72.4	66.2	[a]56.5	44.4	36.7	54.9	97	7	May 1	Oct. 3
Dale Enterprise	31.2	28.4	48.8	54.3	62.0	67.7	73.7	69.6	64.3	53.4	44.0	34.8	52.7	98	− 5	May 1	Oct. 2
Dinwiddie	36.4	[a]38.2	52.4	59.0	66.4	70.8	77.2	72.8	66.4	57.0	47.8	40.8	57.1	97	10	Apr. 17	Oct. 3
Doswell	36.8	35.2	52.0	59.9	.....	72.8	[a]77.8	74.2	.....	[b]56.8	48.9	.....	.....	97	8	Apr. 17	Oct. 31
Elk Knob	33.1	32.2	49.6	57.8	64.4	70.4	73.2	71.6	67.8	57.4	47.6	38.7	55.3	90	2	Apr. 4	Nov. 5

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Virginia—Continued.																	
Fredericksburg	35.7	32.8	49.4	57.6	66.0	71.6	77.2	73.	67.6	59.0	47.9	39.4	56.4	97	10	Apr. 17	Oct. 31
Galax	m31.8	30.4	50.0	53.0	.....	.....	k71.2	68.2	61.6	51.4	44.7	38.2	.....	89	0	Apr. 22	Sept. 30
Hampton	40.3	.....	.....	.....	.....	.....	80.0	77.6	.....	.....	a50.3	45.6	.....	94	.....	Mar. 22	Nov. 3
Hot Springs	28.0	26.8	46.0	53.0	59.4	64.5	69.8	66.4	61.0	51.2	41.6	35.4	50.3	86	— 3	May 1	Sept. 30
Ivanhoe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.0	.....	.....	.....	.....	.....
Ivor	.....	.....	.....	.....	.....	.....	n78.4	74.6	67.4	59.4	50.5	43.4	.....	95	.....	.....	Oct. 31
Lexington	32.4	29.4	48.2	55.1	63.6	69.8	75.0	f73.6	63.6	53.2	44.1	35.6	53.6	97	— 4	Apr. 22	Oct. 3
Lincoln	32.0	28.8	47.6	f56.0	65.5	71.8	77.6	72.6	67.0	58.2	44.2	34.8	54.7	102	— 1	Apr. 14	Oct. 13
*Lynchburg	28.8	24.6	43.0	51.8	59.8	66.6	72.0	68.2	64.4	54.0	43.0	33.2	50.8	97	12	Mar. 22	Nov. 1
Marion	32.3	31.2	50.1	55.6	61.2	b67.5	72.6	69.1	64.8	54.4	46.0	37.2	53.5	93	— 4	Apr. 13	Oct. 3
Max Meadows	a37.8	31.2	50.3	c55.6	62.7	k66.8	a72.2	69.4	d64.2	a52.2	d44.4	37.8	53.7	91	4	Apr. 29	Oct. 3
*Mount Weather	28.8	24.6	43.0	51.8	59.8	66.6	72.0	68.2	64.4	54.0	43.0	33.2	50.8	89	4	May 1	Oct. 31
Newport News	40.4	37.6	52.4	61.0	68.6	a73.5	79.8	76.1	69.6	62.4	52.0	44.5	59.8	95	18	Mar. 22	Nov. 2
Nokesville	34.5	30.6	49.2	56.2	64.1	69.9	75.4	71.8	66.8	57.9	46.0	37.8	55.0	94	5	Apr. 17	Oct. 31
*Norfolk	41.5	39.0	53.3	60.6	67.6	72.8	79.2	76.1	69.6	62.6	53.0	45.0	60.1	94	19	Mar. 22	Nov. 2
Petersburg	c39.5	c38.4	a55.1	b60.8	b69.8	d72.8	f79.8	a74.2	b69.3	c60.6	b50.9	b43.0	59.5	97	12	Apr. 17	Nov. 1
Quantico	32.3	30.7	47.4	57.9	65.0	71.0	76.8	72.3	64.8	56.1	44.0	36.2	54.5	99	4	Apr. 22	Oct. 13
*Richmond	38.1	36.6	52.2	60.0	67.2	72.9	78.9	74.0	68.4	60.4	50.4	41.2	58.4	96	15	Apr. 4	Oct. 31
Roanoke	c35.2	f31.7	c51.8	c59.5	.....	.....	k78.4	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 4	.....
Rocky Mount	35.2	33.0	52.0	59.0	64.6	71.0	75.2	71.8	70.0	54.5	49.0	.....	.....	96	7	Apr. 4	Oct. 13
Saxe	36.9	36.1	53.2	59.3	65.8	71.2	77.9	73.9	67.8	57.6	a49.0	41.4	57.5	99	12	Apr. 17	Oct. 13
Spottsville	38.2	37.6	53.6	59.8	66.8	71.4	77.9	74.0	67.8	59.8	50.2	42.8	58.3	96	14	Apr. 17	Nov. 1
*Staunton	35.0	31.9	51.6	58.3	64.2	68.8	73.4	71.4	65.8	55.9	48.0	39.3	55.3	94	2	Apr. 17	Oct. 3
Stephens City	32.7	28.6	48.0	55.6	63.2	70.0	76.2	72.0	66.4	.....	44.6	36.1	.....	99	— 3	Apr. 17	.....
Warsaw	36.0	34.2	50.2	58.0	68.9	71.4	76.8	72.2	65.8	57.8	46.0	38.9	56.4	94	6	Apr. 22	Oct. 13
Williamsburg	39.3	37.8	53.3	59.3	66.8	71.8	78.2	i74.5	.....	63.0	50.0	43.2	.....	96	13	Apr. 17	Nov. 1
Woodstock	33.0	29.2	48.8	56.2	63.9	70.6	76.8	72.2	66.6	56.1	45.2	36.2	54.6	99	— 2	Apr. 17	Oct. 3
*Wytheville	30.4	29.4	48.4	54.6	61.6	67.0	71.6	68.4	63.2	52.7	45.2	36.8	52.4	90	3	Apr. 4	Oct. 3
Washington.																	
Aberdeen	41.3	41.4	c43.6	46.8	49.2	54.6	59.8	56.8	55.0	50.4	b47.2	39.3	48.8	90	24	Apr. 28	Sept. 22
Anacortes	40.8	40.9	43.8	48.0	51.6	57.7	63.0	60.5	52.1	48.8	47.6	38.0	49.4	86	18	Apr. 25	Sept. 24
Baker	37.2	39.6	43.3	50.7	53.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Apr. 11	.....
Bellingham	40.4	40.6	44.5	50.0	53.0	58.6	62.0	60.2	55.7	49.2	47.2	37.8	49.9	85	14	Apr. 14	Sept. 24
*Blaine	39.4	38.8	43.0	47.6	51.4	57.8	62.2	59.9	53.8	48.1	46.6	36.8	48.8	83	14	Apr. 29	Sept. 24
Centralia	39.6	41.0	44.8	50.0	51.6	59.2	66.4	63.6	58.1	50.8	48.3	38.2	51.0	97	11	Apr. 29	Sept. 23
Cheney	31.8	33.6	40.6	50.4	54.0	63.2	73.2	.....	a65.3	.....	41.0	26.2	.....	107	— 6	May 13	.....
Chopaka	36.2	32.4	43.0	52.4	58.8	66.8	75.2	.....	.....	50.4	42.8	d28.0	.....	.....	.....	Apr. 7	.....
Clearbrook	37.0	37.2	41.6	48.8	51.4	57.5	61.7	58.0	53.7	48.5	44.7	33.8	47.8	95	11	May 26	Sept. 16
Clearwater	40.4	38.8	43.5	46.9	.....	.....	.....	58.0	52.5	48.0	46.0	a36.8	.....	.....	19	.....	Oct. 21
Cle Elum	28.7	29.8	38.0	44.8	48.4	55.8	66.0	62.6	56.4	45.4	39.2	28.0	45.3	98	—15	July 26	Aug. 26
Colfax	35.6	34.0	41.1	48.3	51.0	57.6	65.5	63.7	b58.2	47.1	42.8	31.6	48.0	98	— 8	July 26	Aug. 26
Colville	25.6	29.0	38.8	48.6	53.2	61.0	68.6	64.2	58.2	45.6	38.1	25.0	46.3	101	—12	July 26	Aug. 26
Conconully	25.6	25.6	34.8	47.4	52.0	59.2	68.4	65.6	58.8	46.8	38.6	24.3	45.6	98	—10	May 17	Sept. 23
Coupeville	41.8	41.2	44.5	48.2	51.5	56.4	61.6	58.6	55.6	a48.9	46.7	38.4	49.4	88	21	Mar. 27	Sept. 25
Crescent	26.6	29.5	38.9	48.0	50.4	59.8	68.4	66.0	58.0	45.9	38.6	.....	.....	101	—11	May 31	Sept. 23
Cusick	23.2	27.0	36.8	48.8	52.8	61.4	.....	.....	.....	.....	.....	.....	.....	.....	—28	May 6	.....
Dayton	36.1	37.5	43.2	51.0	53.9	62.8	73.1	68.8	62.9	51.0	45.4	33.8	51.6	99	4	June 2	Sept. 23
Detroit	40.2	40.2	43.3	48.6	51.9	59.5	67.4	64.8	59.0	51.2	48.2	38.7	51.1	95	20	Apr. 29	Oct. 21
Duckabush	f36.3	36.2	42.8	a49.4	a51.0	i58.4	65.0	61.1	54.8	i45.4	43.6	c31.8	48.0	92	14	May 30	Sept. 24
East Sound	c39.4	f37.9	40.9	b45.2	51.0	i59.0	61.2	59.6	54.2	48.3	45.9	c38.7	48.4	89	16	Apr. 29	Sept. 16
Ellensburg	27.4	30.6	41.0	49.0	52.3	59.6	70.0	66.5	59.1	46.6	38.1	26.5	47.2	100	— 9	May 17	Sept. 25
Ephrata	.....	.....	.....	.....	57.8	68.3	78.1	75.6	65.9	52.6	44.3	28.6	.....	106	.....	May 16	Sept. 26
Forks	.....	42.0	46.3	.....	.....	a65.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fort Simcoe	.....	36.6	45.8	51.7	55.0	60.8	75.6	71.9	k67.9	51.8	m45.5	31.3	.....	107	.....	Apr. 7	Oct. 20
Goldendale	.....	36.6	44.4	50.8	52.3	60.8	71.6	67.4	i57.7	49.8	.....	.....	.....	101	.....	June 2	Sept. 23
Hatton	33.8	35.8	43.0	51.8	56.4	64.3	75.1	70.5	62.6	51.6	43.6	30.1	51.6	109	3	May 30	Aug. 26
Kennewick	35.4	37.7	47.0	56.5	a59.8	i70.6	79.1	74.4	a65.3	54.0	45.4	35.5	55.1	110	5	Apr. 25	Sept. 25
Kiona	35.4	38.7	48.5	55.0	58.6	68.5	76.4	72.0	65.0	52.2	44.3	33.6	54.0	104	4	Apr. 29	Sept. 25
Kosmos	40.0	39.1	42.9	50.4	52.0	60.0	69.0	64.9	58.8	51.8	47.0	37.1	51.1	101	21	Apr. 8	Sept. 25
La Center	39.0	38.9	42.7	48.4	49.4	58.4	66.4	62.8	57.4	48.9	45.2	35.8	49.4	95	18	May 9	Sept. 23
La Crosse	.....	.....	42.4	50.4	55.5	62.2	71.4	67.6	60.4	49.5	42.5	32.0	.....	104	.....	July 26	Aug. 26
Lake Kachess	.....	.....	.....	d46.4	47.2	55.2	65.9	63.0	57.8	46.2	38.5	27.6	.....	102	.....	May 23	Sept. 24
Lakeside	29.6	29.9	41.8	51.6	56.6	66.5	74.8	73.2	64.2	51.1	42.2	29.1	50.9	100	0	Apr. 4	Sept. 25
Lester	35.0	35.8	39.6	46.1	48.8	56.2	64.7	62.6	55.7	50.0	44.6	33.4	47.7	102	12	May 23	Sept. 16
Lucerne	.....	f35.0	40.8	49.3	54.3	65.2	71.2	69.7	.....	.....	.....	.....	.....	98	.....	.....	.....
Lyle	35.2	37.3	45.3	52.0	53.0	f64.0	72.4	69.2	62.0	51.4	43.6	32.8	51.5	103	8	Apr. 28	Sept. 25
Mottinger's Ranch	36.4	40.2	49.0	56.6	60.4	68.8	76.6	75.2	68.0	54.2	46.0	34.6	55.5	107	8	Apr. 7	Nov. 3
Mount Pleasant	40.6	40.8	45.6	52.6	51.6	58.4	67.2	64.4	59.6	52.6	48.5	c37.4	51.6	95	21	Mar. 19	Nov. 26
Moxee	32.8	35.6	43.4	51.2	55.4	64.1	73.8	69.4	62.3	50.5	42.4	30.8	51.0	106	0	June 2	Sept. 25
*North Head	44.8	42.9	44.3	47.0	48.6	52.7	56.2	54.6	54.2	51.8	50.8	43.5	49.3	79	26	Feb. 2	Nov. 26
Northport	21.2	27.8	c33.6	a45.6	b50.7	b58.2	b65.6	a61.2	54.0	a42.7	b33.9	20.4	42.7	97	—18	July 29	Aug. 26
Odessa	31.6	34.0	39.6	48.7	55.2	63.6	74.0	69.3	.....	a50.0	41.2	.....	.....	103	.....	May 30	.....
Olga	41.6	41.3	44.8	48.5	51.7	56.7	60.4	59.2	54.4	49.6	48.0	39.6	49.6	83	25	Apr. 25	Nov. 15
Olympia	40.0	40.4	44.1	49.0	51.5	58.8	65.9	62.6	57.2	50.8	47.8	38.4	50.5	96	21	May 31	Sept. 23
Pomeroy	35.0	34.4	41.6	49.3	53.6	62.2	c72.0	68.2	60.0	49.0	42.8	31.2	49.9	102	6	July 26	Sept. 25
*Port Crescent	39.0	37.4	40.5	43.0	47.1	52.4	55.4	54.2	50.2	46.8	45.0	38.5	45.8	86	18	Apr. 28	Sept. 16
Port Townsend	41.6	42.3	44.4	48.3	51.8	56.8	62.2	58.8	55.0	49.8	48.0	39.8	49.9	89	23	Mar. 19	Dec. 2
Pullman	b32.6	c35.2	c39.7	47.6	a50.4	b58.4	c71.4	67.6	60.5	48.0	a42.3	30.0	48.6	102	— 8	May 13	Sept. 25
Quinault	40.1	38.4	42.1	47.9	50.4	58.2	64.8	61.0	56.5	50.3	47.4	37.2	49.5	94	13	May 9	Sept. 24
Republic	23.0	25.1	33.4	44.2	49.2	56.4	64.8	61.8	54.2	42.8	36.0	20.2	42.6	98	—20	July 29	Aug. 26
Rex Creek	b34.1	34.2	a3.2	c51.2	i54.8	e62.6	.....	.....	f63.8	m55.8	i43.8	c33.1	.....	.....	11	Apr. 8	Sept. 24
Rock Lake	32.0	31.9	.....	.....	a52.2	a60.8	72.6	b67.6	a61.2	b47.0	41.6	28.3	.....	102	— 1	June 20	Aug. 25
Rosalia	32.8	32.1	40.3	48.0	50.8	.....	67.6	65.2	58.4	46.0	40.9	29.2	.....	99	—13	.....	Sept. 25
Scenic Hot Springs	.....	.....	i42.4	45.2	56.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Seattle	41.8	41.7	44.2	49.0	51.6	58.8	65.1	62.2	57.1	50.8	48.8	39.5	50.9	88	25	Mar. 27	Nov. 25
Sedro-Woolley	37.6	40.3	45.5	52.0	54.6	60.9	64.8	62.0	57.2	51.2	47.4	36.0	50.8	95	15	May 9	Sept. 16
Sixprong	34.8	37.7	45.4	53.2	55.7	66.2	77.0	73.8	66.4	52.3	43.8	32.7	53.3	105	5	Apr. 25	Oct. 18
Snohomish	39.2	39.4	c43.8	48.1	51.2	57.9	63.2	61.0	e56.7	50.6	b47.8	37.4	49.7	90	13	Apr. 14	.....

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Washington—Continued.																	
Snoqualmie Falls	39.2	39.0	42.5	49.0	52.3	58.8	66.2	63.3	56.4	49.0	40.1	35.6	50.0	97	16	Apr. 28	Sept. 25
South Bend	42.6	41.8	a44.8	49.9	50.6	54.9	64.3	59.6	60.0	51.9	49.8	42.8	51.1	94	20	Mar. 25	Oct. 25
*Spokane	30.4	32.4	40.3	48.8	52.8	61.6	71.9	68.1	60.8	48.0	41.0	29.0	48.8	101	− 4	Apr. 26	Oct. 18
Stehekin				46.6	53.6	a62.1	68.2	a67.4	58.2		39.0			93		Apr. 25	Sept. 25
Sulphur Springs	37.9	39.8															
Sumner	39.0	40.6	43.8	49.6	51.6	58.4	64.3	61.4	56.0	49.8	47.2	37.0	49.9	92	12	Apr. 29	Sept. 25
Sunnyside					c56.4	63.0	71.8	a68.2	61.8	51.2	43.0	31.8		104		June 2	Sept. 25
*Tacoma	40.7	41.2	43.6	49.0	51.0	58.6	65.2	62.0	57.0	50.2	48.0	38.0	50.4	90	23	Apr. 7	Nov. 28
*Tatoosh Island	43.4	42.4	43.2	46.2	49.2	51.4	54.6	53.1	52.6	48.9	49.0	42.6	48.0	70	32	Jan. 31	None.
Tieton									60.6	48.2							Sept. 24
Touchet	b37.2	37.2	45.6														
Trinidad	37.8	34.8	45.0	54.6	59.4	66.6	79.2	74.8	67.8	53.1	44.4	31.0	54.0	105	3	Apr. 4	Oct. 21
Twisp	18.9	20.6	35.8	54.2					a60.0	48.2		20.0			−22		
Vancouver	40.9	41.3	45.6	51.6	52.3	60.5	69.3	66.0	60.2	51.9	47.6	38.0	52.1	97	18	Apr. 28	Sept. 26
Vashon Island	41.5	a41.0	44.4	49.0	52.1	58.6	64.4	60.9	54.5	50.0	47.8	40.0	50.3	85	25	Apr. 7	Dec. 4
Wahluke	b34.4	36.5	a46.8	54.9	c59.8	b68.2	78.2	75.4	a66.6	53.4	c45.4	a32.2	54.3	106	3	Apr. 26	Sept. 26
*Walla Walla	36.6	38.8	46.2	54.2	58.4	66.1	78.0	73.9	66.4	53.0	47.0	34.2	54.4	105	2	Apr. 7	Oct. 22
Waterville	22.6	25.4	34.6	a46.0	a50.0	f59.6	68.6		c58.6	d44.8	d38.0	c22.8			−14	June 20	
Wenatchee	29.5	31.6	39.3	48.6	52.4	62.0	72.0	69.9	62.7	49.0	40.9	27.4	48.8	97	3	Apr. 25	Oct. 21
Wilbur	27.8	29.2	39.0	47.7	51.8	59.6	68.6	64.8	57.9	47.2	39.7	25.6	46.6	101	− 4	June 28	Aug. 26
Yale	40.8	40.2	44.0	50.8	50.7	58.8	67.0	63.4	58.7	52.2	49.4	37.6	51.1	99	23	Apr. 7	Sept. 23
Zindel	38.1	40.2	48.4	58.6	60.4	69.8	82.7	79.3	71.0	55.3	46.6	a36.3	57.2	111	9	Apr. 6	Oct. 21
West Virginia.																	
Arbovale							70.0	67.2	60.8	51.2	41.7	32.2					Sept. 17
Bancroft	32.0	32.7	48.6	56.0	65.9	71.2	76.7	73.8	69.6	57.2	45.6	37.6	55.6	98	8	Apr. 4	Oct. 3
Bayard	25.1	24.8	42.0	50.2	57.0	64.0	69.1	64.9	60.0	49.1	38.7	31.9	48.1	93	−14	Apr. 11	Sept. 26
Beckley	29.6	29.4	47.6	54.2	61.1	65.4	71.0		63.6	54.3	44.4	36.9				May 1	Sept. 30
Bens Run	31.4	32.5	47.6	54.7	64.6	71.2	76.4	73.4	69.4	57.2	42.7	36.5	54.8	96	7	Apr. 3	Oct. 2
Buckhannon				53.2	63.4	68.8	73.4	69.6	64.2	54.3	42.9	35.4		94		May 1	Sept. 30
Burlington	30.1	27.9	45.6	54.0	62.0	68.3	74.1	70.2	66.0	54.8	43.0	36.6	52.7	98	−10	May 2	Sept. 30
Cairo	32.6	33.1	48.8	56.8	65.6	71.1	75.8	73.5	68.0	58.1	43.2	36.6	55.3	98	4	Apr. 22	Sept. 30
Central Station	29.2	30.6	46.3	52.9	62.9	67.9	73.2	69.6	65.1	53.4	41.2	34.6	52.2	96	− 5	May 10	Sept. 29
Charleston	36.7	36.1	52.1	58.7	67.0	71.6	77.2	75.0	71.0	59.4	48.5	41.8	57.9	96	9	Apr. 3	Oct. 3
Creston	32.5	32.6	48.6	55.6	64.5	70.6	75.8	71.7	66.4	56.0	42.6	37.5	54.5	94	8	Apr. 16	Oct. 2
Cuba	31.2	32.5	48.4	54.6	64.1	69.0	74.6	71.6	66.2	55.5	42.9	36.2	53.9	94	5	Apr. 13	Sept. 30
Doane	35.8	35.6	51.2	59.5	68.0	71.9	76.3	74.0	70.7	59.0	46.1	40.9	57.4	96	10	Apr. 4	Oct. 31
*Elkins	28.1	28.3	46.8	52.1	61.4	66.8	71.6	67.8	63.3	52.4	41.6	34.6	51.2	92	− 8	May 10	Sept. 30
Elkhorn	32.4	32.4	50.2	56.2	62.2	68.7	72.4	69.6	63.8	54.8	46.8	38.6	54.0	91	0	May 1	Sept. 30
Fairmont	32.2	32.0	48.0	55.1	63.0	70.5	75.1	71.6	66.6	55.4	42.1	35.6	53.9	96	− 7	Apr. 22	Oct. 2
Franklin	29.8	28.4		53.1	61.1	66.6	72.7	69.0	62.9							Apr. 22	Sept. 30
Glenville	31.9	32.6	49.8	56.6	65.4	71.8	76.4	73.8	67.8	56.6	43.2	36.7	55.2	98	− 4	Apr. 22	Oct. 2
Grafton	31.6	31.4	47.4	53.8	62.2	68.0	73.8	70.6	66.8	56.5	43.9	35.7	53.5	95	− 3	May 1	Sept. 30
Green Sulphur Springs	28.8	29.6	48.0	55.8	62.8	69.1	72.0	67.8	64.1	54.4	43.5	36.0	52.7	90	−10	Apr. 22	Oct. 1
Hinton	31.7	32.0	50.5	56.8	63.8	70.0			66.8	55.9	44.6	37.0			4	Apr. 4	Oct. 31
Huntington	31.8	34.0	50.4	56.0	66.9	72.5	77.3	74.8	68.8	55.6	44.6	37.4	55.8	98	9	Apr. 3	Oct. 3
Leonard	26.7	25.0	47.4														
Lewisburg	28.3	28.0	48.1	54.5	61.6	67.6	72.5	69.4	62.6	52.8	43.0	34.2	51.9	92	− 7	May 1	Sept. 30
Logan	36.6	39.6	56.0	62.2	68.6	73.0	76.4	72.4	67.4	58.6	48.8	42.6	58.5	96	10	Apr. 4	Oct. 14
Lost City	32.0	30.8	48.8	53.7	61.0	66.5	73.0	69.0	63.2	53.5	45.3	38.0	52.9	92	− 2	Apr. 23	Sept. 29
Lost Creek	30.8	31.5	47.7	54.0	62.6	68.0	73.8	70.7	65.6	53.6	42.2	35.8	53.0	95	−12	May 10	Sept. 30
Madison				56.2	66.2	71.6	76.9	75.0								Apr. 4	
Mannington	29.6	31.1	46.9	54.2	62.8	69.0	74.3	71.2	65.8	54.4	40.6	34.8	52.9	98	−10	May 10	Sept. 30
Marlinton	23.6	26.6	43.8	51.1	62.4												
Martinsburg	29.9	25.2	45.1	53.8	63.4	71.4	77.2	71.8	64.6	54.2	42.2	35.1	52.8	100	0	Apr. 17	Oct. 13
Moorfield	31.4	30.6	48.3	55.5	62.4	68.1	73.4	70.9	66.2	56.0	43.2	36.1	53.5	101	− 3	May 1	Sept. 30
Morgantown	31.6	30.1	47.0	53.2	62.0	68.2	73.6	71.0	68.8	55.4	44.1	35.6	53.4		2	May 1	Oct. 2
Moundsville	31.6	32.0	47.4	55.4	64.6	71.4	76.2	72.6	67.7	57.0	44.2	37.2	54.8	99	3	Apr. 22	Sept. 30
New Cumberland	28.1	27.2	41.4	49.1	62.2	68.0	73.4	68.8	66.2	54.4	41.7	33.0	51.1	97	− 6	May 3	Sept. 30
New Martinsville	32.2	33.0	48.4	55.6	64.4	71.9	76.6	73.7	68.6	58.1	44.4	37.7	55.4	97	4	Apr. 5	Oct. 3
Nuttallburg					62.6	64.8	69.0	67.9	63.4	51.5	39.4	31.9		90		May 2	Oct. 2
Oceana	35.6	36.6															
*Parkersburg	32.0	32.2	48.8	54.7	65.4	71.0	76.6	73.4	69.0	56.8	44.6	36.8	55.1	98	7	Apr. 3	Sept. 30
Parsons	27.4	28.6	44.7	50.8	60.3	66.4	71.4	68.1	63.2	51.9	40.1	33.6	50.5	94	−16	May 11	Sept. 30
Philippi	30.3	31.3	48.0	54.2	63.0	69.0	74.1	70.1	65.0	54.4	42.4	35.6	53.1	95	−16	Apr. 22	Sept. 30
Pickens	25.3	27.1	45.1	51.9	60.2	66.0	70.2	66.8	62.2	53.0	42.4	32.9	50.3	92	− 7	May 10	Sept. 29
Pineville						69.6	75.4	72.8	70.3		44.1	34.6		97			
Point Pleasant	34.1	35.0	51.0	58.0	66.2	71.8	75.6	71.6	67.4	56.2	43.6	37.0	55.6	95	7	Apr. 3	Oct. 3
Powellton	33.8	34.0	53.0	58.6	66.2	71.1	75.4	72.7	68.4	57.6	47.4	40.1	56.5	96	0	Apr. 4	Oct. 3
Princeton	27.4	28.0	45.8	52.4	59.2	64.9	68.6	65.5	59.7	49.3	41.1	34.0	49.7	86	− 4	May 1	Sept. 30
Romney	28.6	27.2	45.5	54.1	62.4	69.6	75.2	70.5	64.8	53.8	41.5	34.8	52.3	99	− 5	May 2	Sept. 30
Ryan	31.2	33.2	49.0	55.2	63.8	67.9	73.9	71.0	65.2	54.2	43.0	36.4	53.7	96	0	Apr. 22	Sept. 30
Smithfield	31.0	32.0	46.6	54.0	61.2	68.0	73.0	69.3	64.4	53.8	41.4	36.1	52.6	94	− 6	May 9	Oct. 2
Southside	32.6	34.4	48.8	55.8	65.0	70.5	76.2	72.6	66.9	56.3	44.8	37.2	55.1	98	6	May 1	Oct. 2
Spencer	29.4	30.2	47.3	53.6	63.6	69.0	74.3	70.5	65.3	54.2	41.5	34.3	52.8	97	1	Apr. 22	Sept. 29
Springfield			45.5	54.3	62.0	69.6	74.2	71.2									
Sutton	30.1	30.8	50.1	57.0	66.8	72.8	77.4		69.2	55.2	41.4	35.8			−2	Apr. 16	Oct. 2
Terra Alta	28.8	23.0	42.7	50.6	58.0	68.4	72.0	68.4	63.8	52.6	45.9			94		May 10	Oct. 1
Union	26.2	28.1	46.0	52.2	62.0	66.7	70.8	69.0	61.3	52.8	39.9			89		May 1	Sept. 30
Upper Tract	31.4	29.0	48.0	55.0	61.5	67.7	72.4	69.2	64.1	54.1	45.4	36.8	52.9	94	− 7	Apr. 22	Sept. 30
Valley Fork	33.2	34.4	51.4	56.8	64.2	69.8	73.2	70.8	66.6	57.8	44.2	39.0	55.1	99	8	Apr. 22	Oct. 3
Webster Springs	30.8	31.8	50.2	56.2	64.2	69.6										May 1	
Wellsburg	28.6	28.0	43.4	50.9	61.8	68.5	72.8	69.0	66.4	55.2	42.0	33.1	51.6	90	2	May 3	Nov. 2
Weston	29.6	29.7	46.8	54.2	63.4	68.0	73.4	69.2	65.5	55.1	43.0	35.3	52.8	98	−10	May 10	Oct. 2
Wheeling			46.6	54.1	64.5	71.6	76.9	72.2	65.8	54.6	41.0	34.0		98		May 3	Oct. 2
Williamson	35.8	37.5	53.9	61.6	68.8	73.2	78.2	76.8	71.6	59.8	48.7	41.8	59.0	97	10	Apr. 4	Nov. 1

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual. Mean.	Annual. Extremes. Max.	Annual. Extremes. Min.	Killing frost. Last in spring.	Killing frost. First in autumn.
Wisconsin.																	
Amherst	19.4	18.8	30.0	45.9											−22		
Antigo	18.1	c18.0	28.2	43.0	53.5	62.4	67.3	64.4	62.2	48.8	33.5	18.5	43.2	94	−27	June 15	Sept. 27
Appleton	21.6	20.2	32.7	45.5	56.8	65.4	70.8	68.6	67.4	51.2	36.6	22.0	46.6	96	−16	May 4	Sept. 29
Appleton Marsh	19.6	20.2	31.8	45.6	57.1	63.2	68.6	64.6	64.6	48.8	36.0	20.4	45.0	94	−20	May 4	Sept. 29
Ashland	19.8	19.6	28.2	42.6	51.0	62.3	68.2	67.6	66.6	54.6	37.8	21.6	45.0	99	−25	May 4	Sept. 28
Barron	16.8	19.0	26.6	44.5	52.8	62.2	67.8	63.6	63.3	47.0	33.8	16.4	42.8	90	−28	May 3	Sept. 29
Beloit	26.0	25.0	38.4	51.7	61.2	67.2	73.0	70.0	68.2	52.0	.....	.....	.....	97	−10	May 3	Sept. 30
Bristol	.....	.....	.....	c49.1	56.0	.....	72.0	d67.2	67.9	b51.1	.....	.....	.....	98	.....	May 3	.....
Brodhead	24.0	24.2	37.7	48.4	59.9	67.0	72.9	68.6	67.8	52.0	38.4	25.6	48.9	97	−12	May 3	Sept. 28
Burnett	21.2	20.0	33.8	45.2	56.8	63.5	69.8	66.8	65.2	a49.4	a36.6	21.2	45.8	96	−16	May 3	Sept. 29
Butternut	15.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	−33	.....	.....
Cecil	19.7	18.4	30.0	44.0	55.2	63.2	68.6	66.2	64.9	51.2	35.0	19.5	44.7	95	−28	May 5	Sept. 29
Chilton	20.7	19.4	32.2	44.6	56.7	65.0	71.0	b68.6	67.0	a51.4	37.0	c21.9	46.3	95	−18	May 4	Oct. 2
Crandon	18.4	16.8	25.7	42.2	53.6	62.4	a66.9	64.1	65.4	48.0	32.8	16.8	42.8	90	−29	June 15	Sept. 29
Delavan	23.3	21.8	35.7	47.5	58.0	65.4	70.8	69.0	67.7	50.9	38.4	24.4	47.7	95	−12	May 3	Sept. 29
Dodgeville	22.1	.....	.....	.....	58.8	a64.9	f71.6	a70.5	b66.8	.....	.....	i22.4	.....	96	.....	May 3	Sept. 29
Downing	15.2	20.2	28.9	45.1	54.6	62.7	68.8	65.0	65.0	48.0	34.6	17.7	43.8	94	−28	June 15	Sept. 7
Eau Claire	19.2	22.4	31.3	48.2	57.8	65.3	70.9	67.8	67.1	49.6	35.8	20.4	46.3	95	−22	May 4	Sept. 29
Ellsworth	.....	20.0	30.5	46.8	55.2	63.0	a69.2	a67.4	66.0	.....	.....	.....	.....	94	.....	May 2	Sept. 28
Florence	18.0	15.8	24.3	40.4	a51.4	f61.4	a66.2	a63.8	61.7	d45.8	33.0	17.2	41.6	92	−31	June 15	Sept. 28
Fon du Lac	22.0	21.2	33.7	45.4	56.8	64.4	70.4	68.8	66.8	50.9	36.6	21.6	46.6	97	−14	May 4	Sept. 29
Grand Rapids	20.0	19.6	32.0	46.5	57.7	64.6	69.5	66.4	66.0	49.4	35.1	20.2	45.6	93	−22	June 15	Sept. 29
Grand River Locks	.....	.....	.....	.....	.....	65.1	70.0	67.1	65.0	49.8	36.0	21.1	.....	96	.....	June 15	Sept. 28
Grantsburg	15.2	19.2	30.5	48.5	55.4	63.9	a68.0	65.4	64.3	46.0	33.8	17.1	43.9	95	−36	May 5	Sept. 2
*Green Bay	19.8	19.0	31.6	43.7	55.8	64.6	70.2	68.6	66.3	51.2	36.4	21.4	45.7	95	−15	May 1	Sept. 29
Hancock	19.8	19.4	31.9	45.8	57.2	65.0	70.5	67.4	66.2	48.5	36.2	19.8	45.6	95	−19	June 11	Sept. 29
Hatfield	.....	.....	.....	.....	.....	.....	.....	.....	66.2	49.6	35.6	21.5	.....	.....	.....	May 5	Sept. 3
Hayward	14.8	17.1	26.0	43.6	52.4	j60.8	266.0	§63.0	‡63.0	a47.3	32.6	16.5	41.9	.....	−37	June 15	.....
Herbster	.....	.....	.....	.....	.....	.....	.....	.....	b60.7	48.4	33.6	16.8	.....	.....	.....	.....	Sept. 29
Hillsboro	20.4	19.6	33.8	46.1	57.0	63.2	69.4	65.6	64.2	48.4	34.5	19.6	45.2	97	−19	May 8	Sept. 29
Ironbelt	16.8	16.8	25.6	d40.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	−25	.....	.....
Kewaunee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23.4	.....	.....	.....	.....	.....
Koepenick	16.2	15.6	25.9	41.8	52.8	60.4	65.3	61.2	61.2	47.1	32.6	16.5	41.4	90	−33	June 16	Sept. 3
*La Crosse	21.6	22.5	35.1	48.0	58.7	66.1	72.1	68.8	68.0	50.5	37.3	22.7	47.6	95	−13	May 3	Sept. 29
Lake Mills	21.9	21.0	34.3	45.6	57.2	64.4	71.0	68.9	67.2	51.0	37.4	23.6	47.0	97	−11	May 3	Sept. 29
Lancaster	20.2	23.0	c35.7	c46.2	58.1	.....	.....	.....	f65.4	51.6	38.6	24.9	.....	.....	−12	May 3	Sept. 29
Long Lake	c16.8	15.4	22.8	40.5	50.8	60.6	65.0	61.4	61.4	47.6	30.9	15.9	40.8	90	−39	June 15	Sept. 3
*Madison	22.2	21.4	34.6	46.0	57.2	65.0	70.8	69.1	67.0	50.9	37.7	23.2	47.1	94	−10	May 2	Sept. 29
Manitowoc	24.4	22.8	33.8	44.6	54.2	64.4	71.0	70.0	64.2	48.4	38.0	24.4	46.7	95	−10	May 4	Oct. 1
Mauston	22.5	21.4	34.5	47.2	58.2	64.2	69.6	66.0	66.2	50.8	37.8	22.4	46.7	93	−15	May 4	Sept. 29
Meadow Valley	19.1	19.7	32.0	45.2	57.1	63.8	69.3	65.8	65.6	49.0	35.6	20.0	46.8	98	−21	May 4	Sept. 29
Medford	18.9	19.2	27.8	43.4	54.6	63.1	68.2	66.1	66.4	48.7	34.9	19.4	44.2	92	−25	June 1	Sept. 29
Merrill	16.0	17.7	29.6	45.2	57.6	§63.0	71.8	66.6	65.0	48.0	33.8	18.6	44.4	95	−34	June 1	Sept. 29
*Milwaukee	24.5	23.8	36.0	45.2	54.3	64.4	70.8	70.2	67.8	51.6	39.3	26.1	47.8	95	− 7	Apr. 16	Oct. 30
Minocqua	15.6	15.7	25.0	40.5	53.4	63.0	66.4	64.9	63.6	f48.2	32.3	15.8	42.0	90	−31	May 5	Sept. 29
Mondovi	.....	.....	.....	.....	57.0	64.0	70.8	66.4	65.4	50.0	36.3	20.4	.....	93	.....	May 2	Sept. 29
Mt. Horeb	21.6	21.0	34.6	46.2	57.2	64.0	71.1	68.0	66.7	50.0	36.6	22.6	46.6	96	−19	May 4	Sept. 29
Neillsville	17.6	20.4	30.0	45.8	57.8	66.0	70.2	66.8	65.8	50.0	35.3	19.8	47.1	98	−22	May 3	Sept. 29
New London	20.6	19.4	32.0	45.6	56.8	65.2	70.4	67.9	67.2	50.8	35.6	20.7	46.0	97	−26	May 3	Sept. 29
New Richmond	19.2	21.7	c29.5	h47.6	55.9	63.8	72.2	a68.4	67.6	48.6	35.1	20.1	45.8	97	−29	May 6	Sept. 29
Oconto	21.1	20.0	30.7	44.0	55.4	64.9	69.6	67.7	64.9	50.8	36.2	20.9	45.5	94	−19	May 3	Sept. 29
Osceola	17.6	19.4	27.9	45.4	54.7	63.6	70.0	66.2	66.2	48.0	34.7	22.0	44.6	94	−32	Apr. 30	Sept. 29
Oshkosh	21.1	20.1	c35.0	45.5	a57.6	65.7	71.6	69.0	68.8	b51.0	a36.8	21.8	47.0	97	−18	May 4	Sept. 29
Pine River	20.5	19.3	32.2	c44.7	57.4	64.5	69.8	67.4	66.3	51.0	36.3	d21.2	45.9	97	−19	May 4	Oct. 1
Plum Island	.....	.....	.....	k44.6	51.6	63.0	66.8	67.8	64.0	49.0	38.1	.....	.....	92	.....	May 1	Nov. 4
Portage	22.7	21.2	35.5	47.7	59.0	65.8	71.4	68.5	66.5	51.2	37.8	23.0	47.5	97	−13	May 31	Sept. 29
Port Washington	22.6	20.8	34.1	43.7	53.0	61.5	68.9	69.0	65.6	49.2	36.8	22.9	45.7	95	−10	May 2	Sept. 30
*Prairie du Chien	24.8	24.7	37.0	48.4	59.7	67.6	73.8	69.6	67.2	52.6	38.7	25.5	49.1	98	−15	May 3	Sept. 29
Prentice	15.2	16.6	25.4	40.8	52.2	61.0	64.6	61.8	61.6	47.4	31.4	16.5	41.2	92	−32	June 15	Sept. 2
Racine	25.8	24.4	37.2	46.1	55.8	65.4	72.2	71.4	68.3	51.3	40.0	27.6	48.8	98	− 9	May 2	Oct. 2
Rhinelander	17.2	18.2	26.2	43.4	53.8	62.6	67.4	a65.6	64.4	48.6	32.6	17.4	43.1	92	−31	June 15	Sept. 29
Richland Center	i23.5	22.2	38.4	d46.9	59.4	66.0	.....	.....	69.0	52.2	41.2	b26.4	.....	104	−20	May 9	Sept. 29
Sauk City	23.4	23.7	35.4	48.4	60.5	66.7	73.2	71.2	66.5	50.2	38.2	c23.6	48.4	102	−18	May 5	Sept. 28
Sheboygan	25.1	23.2	34.9	43.0	53.1	63.5	69.8	69.8	66.2	49.9	38.6	25.4	46.9	99	− 9	May 2	Oct. 2
Shullsburg	23.2	21.8	36.4	47.0	57.4	65.2	71.4	68.2	66.6	50.0	37.5	24.2	47.4	93	−12	May 4	Sept. 29
Solon Springs	13.2	16.2	k25.7	.....	.....	.....	68.4	63.7	60.9	47.0	32.5	16.9	.....	96	−37	.....	Sept. 1
Spooner	16.3	18.4	26.0	44.7	53.4	63.2	69.3	64.6	64.7	47.6	34.4	18.0	43.4	92	−35	June 1	Sept. 28
Stanley	17.7	19.8	29.3	45.8	56.4	c61.6	67.6	64.9	64.0	47.5	34.0	18.8	44.0	91	−24	May 4	Sept. 29
Stevens Point	18.4	19.0	30.6	44.8	b56.0	64.5	68.6	66.2	65.0	49.8	35.0	b19.6	44.8	95	−25	May 8	Sept. 29
Sturgeon Bay	22.6	19.0	30.0	41.2	50.6	59.0	67.0	66.4	63.2	47.6	37.2	23.0	43.9	95	−13	June 12	Sept. 29
Valley Junction	19.5	20.2	31.9	45.8	57.2	64.0	69.0	64.7	63.9	48.3	34.8	19.8	44.9	94	−20	May 4	Sept. 29
Viroqua	21.6	21.6	33.8	46.3	58.4	64.2	71.0	67.8	67.4	49.7	37.2	21.8	46.7	92	−14	May 3	Sept. 29
Vudesare	.....	.....	.....	41.6	50.8	58.8	63.4	60.0	60.9	47.2	30.6	15.4	.....	95	.....	June 15	Sept. 7
Watertown	20.8	20.4	33.6	45.0	57.3	64.4	69.8	67.0	64.8	49.7	35.6	21.6	45.8	95	−13	May 4	Sept. 29
Waukesha (*b*)	23.1	20.7	35.0	d46.8	57.4	64.6	70.6	68.9	68.1	‡48.2	a38.2	24.6	47.2	97	−11	May 3	Oct. 2
Waupaca	19.8	19.2	32.2	46.5	57.8	a63.2	70.0	67.4	65.2	a46.0	34.6	c20.4	45.2	97	−27	June 1	Sept. 29
Wausau	19.3	19.4	28.5	45.0	56.2	63.4	67.4	66.3	65.6	50.6	35.0	20.0	44.7	93	−24	May 3	Sept. 29
Weyerhauser	15.8	18.8	27.1	44.0	54.4	60.3	f67.0	62.2	62.3	46.6	32.2	17.2	42.3	92	−28	June 1	Sept. 29
Whitehall	20.4	23.5	33.8	48.8	57.8	a66.8	a71.6	a67.9	b67.0	d51.4	d37.5	a21.0	47.3	100	−25	May 9	Sept. 29
Wyoming.																	
Afton	13.8	17.4	27.6	41.5	46.2	52.9	61.8	57.4	53.1	.....	.....	.....	.....	88	−28	(1)	(1)
Basin	23.8	27.4	32.3	49.9	56.5	63.8	76.6	70.5	62.1	46.0	32.2	15.7	46.4	110	−18	May 21	Sept. 26
Bedford	14.8	18.3	27.0	.....	44.0	48.6	60.0	56.0	.....	38.7	30.8	20.3	.....	87	−35	(1)	(1)
Blue Cap	15.4	18.4	23.2	36.7	39.4	47.9	57.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Border	8.0	10.8	25.0	41.2	45.6	51.0	68.0	59.0	53.2	38.7	27.2	12.6	36.7	93	−39	(1)	(1)
*Cheyenne	28.0	29.7	37.2	44.2	47.8	57.9	65.0	63.2	59.1	43.0	32.2	28.6	44.7	89	−14	May 10	Sept. 26

[1] Owing to the high elevation, killing frosts occurred every month.

[2] Estimated.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
														Max.	Min.		
Wyoming—Continued.																	
Chugwater	29.6	28.8	36.4	45.3	49.5	58.8	64.4	63.4	58.8	43.9	32.4	26.7	44.8	94	−23	May 21	Sept. 26
Clark	31.9	31.5	34.6	50.0	52.6	59.1	72.0	66.4	63.0	45.6	37.8	27.0	47.6	100	−13	Apr. 30	Sept. 26
Daniel	8.1	13.0	20.7	35.8	41.4	46.0	58.1	54.0	47.2	35.8	26.0	14.7	33.4	85	−42	(1)	(1)
Dome Lake	.....	20.6	20.6	32.4	36.0	43.0	53.4	50.8	47.0	.....	.....	.....	.....	79	−18	(1)	(1)
Dubois	19.6	21.8	24.5	36.4	40.7	45.6	55.0	52.0	45.6	34.1	26.4	20.6	35.2	85	−30	(1)	(1)
Eatons Ranch	33.0	32.4	35.3	50.0	50.4	57.8	71.3	66.5	63.2	45.5	43.6	31.2	48.4	98	−11	May 20	Sept. 26
Eden	.....	.....	.....	40.3	45.7	52.0	64.2	59.8	52.0	36.6	23.8	16.3	.....	91	.....	June 23	Aug. 31
Ervay	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.8	33.8	23.3	.....	.....	.....	.....	.....
Evanston	17.9	19.6	31.4	41.2	44.0	49.9	63.2	60.2	52.7	36.8	29.6	22.1	39.0	89	−20	June 23	Aug. 31
Fayette	6.6	10.4	22.4	37.2	43.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	−48	.....	.....
Fontenelle	8.8	13.2	23.7	.....	.....	.....	.....	.....	.....	.....	.....	14.0	.....	.....	−36	.....	.....
Fort Laramie	27.6	27.0	38.5	48.6	52.0	62.0	70.6	68.2	63.2	45.9	34.7	28.4	47.2	101	−23	May 21	Sept. 26
Gillette	.....	.....	34.0	48.5	50.6	60.0	62.8	66.8	64.2	44.8	36.6	24.4	.....	99	.....	May 21	Sept. 26
Granite Canyon	26.3	27.6	34.7	41.4	43.6	53.6	59.8	57.9	56.1	40.8	31.4	27.7	41.7	85	−10	May 23	Sept. 1
Granite Spring Reservation	27.6	28.6	35.8	44.0	46.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	−10	.....	.....
Green River	12.0	16.6	31.0	48.0	48.0	54.4	65.6	63.2	54.3	39.6	26.8	22.5	40.2	94	−30	June 23	Aug. 30
Hunters Station	23.6	23.8	26.2	36.9	40.5	46.8	55.8	53.2	49.6	35.7	28.4	20.5	36.8	82	−25	(1)	(1)
Hyattville	26.5	29.0	33.6	48.2	53.8	59.3	71.2	66.0	59.8	44.6	34.6	23.5	45.8	98	−20	May 21	Sept. 26
Independence	.....	.....	.....	.....	.....	.....	.....	.....	55.6	43.1	26.4	21.9	.....	.....	.....	.....	.....
Kaycee	25.8	29.2	32.2	45.6	49.7	58.2	68.4	63.5	58.4	43.7	33.0	23.7	44.3	101	−25	May 22	Sept. 26
Kinnear	20.2	26.2	30.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	−28	.....	.....
Kirtley	25.7	27.2	34.2	44.9	48.8	56.6	65.1	62.6	60.6	42.4	34.5	24.0	43.9	95	−17	May 20	Sept. 26
Kirwin	18.7	17.8	21.5	31.8	36.0	41.1	51.9	49.0	44.3	30.6	.....	18.0	.....	76	−29	(1)	(1)
*Lander	20.0	22.8	30.8	45.5	48.4	55.9	66.6	62.8	56.7	40.8	29.8	19.1	41.6	93	−21	May 21	Aug. 31
Laramie	22.2	24.4	33.8	41.8	44.6	54.4	61.4	60.2	54.8	39.6	25.5	23.4	40.5	84	−24	June 23	Aug. 31
Leo	22.6	23.8	31.0	42.3	45.8	53.0	62.3	60.1	55.2	37.8	27.7	24.8	40.5	88	−28	June 29	Aug. 31
Lolobama Ranch	.....	.....	.....	.....	41.4	50.8	57.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lusk	23.7	28.0	35.0	46.5	49.0	58.4	66.2	61.8	57.8	43.2	35.2	25.4	44.2	92	−16	May 21	Sept. 23
Luther	28.2	32.2	40.2	43.5	49.9	61.1	69.5	.....	.....	39.2	32.8	26.9	.....	.....	−14	.....	.....
Moorcroft	23.6	25.6	32.0	50.6	.....	59.7	66.9	64.8	.....	.....	39.5	20.7	.....	.....	−18	.....	.....
Moore	28.2	30.2	38.2	46.4	48.4	57.2	64.0	61.9	59.1	42.6	31.0	.....	.....	90	−10	May 22	Sept. 26
Newcastle	26.8	29.0	33.1	50.2	51.6	61.5	70.8	67.6	63.2	44.7	34.1	24.4	46.4	100	−16	May 21	Sept. 26
Pathfinder	25.1	28.2	33.6	46.9	50.4	59.2	69.4	65.9	59.6	43.2	30.3	25.8	44.8	93	−22	May 29	Sept. 26
Phillips	29.9	29.2	38.6	47.4	50.6	60.2	66.7	64.5	60.4	44.0	35.4	30.2	46.4	95	−24	May 21	Sept. 27
Pine Bluff	30.1	32.4	40.0	47.1	51.3	61.1	68.4	66.8	63.8	49.8	37.2	28.8	48.1	100	−17	May 21	Sept. 26
Pinedale	9.6	13.2	24.0	37.4	44.1	48.9	60.8	52.8	48.8	35.8	25.8	14.8	34.7	88	−38	(1)	(1)
Powell	25.0	27.0	30.3	47.3	51.7	58.9	71.6	65.4	60.6	.....	28.0	19.6	.....	100	−21	May 21	Sept. 26
Rawlins	23.6	27.0	33.0	45.0	48.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	−11	.....	.....
Riverton	19.4	23.6	32.6	47.3	52.3	58.7	69.3	65.6	59.6	42.2	30.8	15.7	43.1	98	−25	May 21	Aug. 31
Saratoga	18.7	22.8	34.9	44.4	47.8	55.6	64.4	64.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Sheridan	24.4	27.4	33.0	46.2	50.2	57.4	68.2	63.6	58.0	41.4	33.1	21.6	43.7	100	−20	May 1	Sept. 27
Sheridan	24.4	28.2	33.6	47.2	51.1	57.5	67.2	62.5	58.4	42.4	35.0	22.6	44.2	98	−23	.....	.....
Shoshone Dam	30.5	33.0	35.2	47.6	48.6	56.4	68.3	64.7	61.2	44.2	38.6	26.7	46.2	99	−15	May 21	Sept. 25
Soldiers' Home	31.0	31.1	33.8	47.7	49.7	57.4	68.2	64.2	61.3	43.8	37.6	26.4	46.0	96	−11	May 21	Sept. 25
Thermopolis	25.8	26.5	34.5	48.8	54.8	60.2	72.0	67.9	61.4	45.9	32.4	17.3	45.6	101	−24	May 21	Aug. 31
Wheatland	28.0	28.6	.....	.....	52.4	66.4	75.7	74.6	66.3	41.4	34.8	33.2	.....	95	− 5	May 21	Sept. 26
Wiley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.0	25.8	.....	.....	.....	.....	.....
Willow Creek Cabin	15.4	19.5	25.8	36.8	41.7	46.4	58.2	54.2	48.2	36.2	25.5	18.2	35.5	84	−26	(1)	(1)
Worland	21.0	24.6	32.2	50.1	49.6	61.4	71.0	.....	56.6	44.6	30.8	.....	.....	.....	−24	May 22	Sept. 26
Wyncote	27.5	31.4	40.6	47.8	52.6	62.3	70.6	69.2	62.6	46.8	35.4	27.8	47.9	101	−18	May 21	Sept. 26
*Yellowstone Park	20.3	23.2	25.2	39.4	43.3	49.0	61.8	57.0	52.4	37.6	29.2	20.0	38.2	88	−26	May 21	Aug. 31
1. Fountain Hotel	.....	.....	.....	.....	.....	.....	.....	54.2	47.6	.....	.....	.....	.....	88	.....	.....	.....
2. Grand Canyon	.....	.....	.....	.....	.....	.....	.....	54.5	48.4	.....	.....	.....	.....	84	.....	.....	.....
3. Lake Yellowstone	7.4	11.8	19.4	32.8	37.8	44.6	54.2	51.0	47.8	36.0	.....	.....	.....	78	−47	.....	.....
4. Norris Geyser Basin	13.0	21.4	22.1	34.8	40.2	43.3	54.2	50.0	44.2	32.9	24.0	.....	.....	85	−51	.....	.....
5. Riverside	12.6	19.9	23.7	35.2	41.2	46.8	57.8	52.1	44.8	34.5	23.6	14.6	33.9	87	−44	.....	.....
6. Snake River	13.1	17.9	23.3	.....	41.7	46.0	58.5	54.5	48.1	34.4	31.0	15.0	.....	91	−45	.....	.....
7. Soda Butte	10.4	19.0	21.8	34.7	41.9	46.4	56.2	53.0	48.3	31.2	23.3	15.0	33.4	86	−45	.....	.....
8. Sylvan Pass	.....	.....	.....	.....	.....	.....	59.0	54.2	48.3	34.6	31.5	20.2	.....	90	.....	.....	.....
10. Upper Geyser Basin	16.6	20.4	22.2	36.3	40.6	46.2	58.2	53.8	47.3	34.0	26.6	.....	.....	85	−40	.....	.....
Porto Rico.																	
Aibonito	69.0	68.6	68.8	b71.7	72.2	72.8	.....	.....	.....	73.4	69.8	66.6	.....	.....	50	.....	.....
Alto de la Bandera	a71.7	69.9	71.4	73.9	74.8	76.2	f73.8	73.7	b72.8	71.6	a71.0	69.4	72.5	89	59	.....	.....
Afiasco	75.0	74.8	74.4	75.3	77.6	79.2	77.7	b78.2	77.7	79.8	77.7	76.8	77.0	94	58	.....	.....
Arecibo	.....	.....	.....	74.6	78.4	80.5	80.7	81.0	81.3	80.2	78.4	76.8	.....	101	.....	.....	.....
Arecibo (Hac. Jobos)	71.2	70.6	a70.6	71.7	b73.4	a75.2	77.0	77.6	77.1	76.5	74.4	73.8	74.1	93	51	.....	.....
Barros	68.6	67.8	70.4	71.5	72.8	74.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bayamon	73.0	73.4	73.7	75.3	78.0	79.3	79.2	80.2	79.8	a78.6	76.2	73.7	76.7	96	57	.....	.....
Caguas	72.4	71.6	72.0	73.8	76.7	77.0	77.2	78.0	77.0	75.2	73.2	71.8	74.7	95	51	.....	.....
Canóvanas	74.6	74.7	75.8	77.0	79.6	81.0	80.8	81.1	80.8	79.6	77.5	75.0	78.1	94	64	.....	.....
Cayey	68.8	68.0	68.8	70.4	d72.6	73.6	.....	77.0	a76.3	74.4	72.6	71.2	.....	.....	51	.....	.....
Central Aguirre	77.0	a75.8	74.6	76.8	79.3	79.6	79.8	81.2	80.4	78.6	77.8	76.0	78.1	93	55	.....	.....
Cidra	71.8	73.3	70.1	72.4	75.9	76.2	76.2	76.8	b75.8	74.2	73.0	71.7	74.0	91	53	.....	.....
Coloso	73.0	74.0	76.3	76.4	77.6	79.0	79.4	79.6	79.5	78.4	76.0	73.6	76.9	94	58	.....	.....
Comerio Falls	73.6	72.0	72.2	74.2	77.1	77.7	78.2	78.5	79.2	78.0	75.6	73.6	75.8	91	59	.....	.....
Corozal	74.2	73.8	73.8	74.6	a78.0	78.5	78.6	79.5	79.6	78.7	76.6	a74.9	76.7	94	58	.....	.....
Culebra	76.2	75.2	75.8	76.2	78.1	79.6	a79.4	81.4	80.6	80.0	79.0	77.4	78.2	88	65	.....	.....
Dorado	f74.8	74.6	74.6	75.4	77.4	.....	.....	.....	.....	.....	77.0	76.0	.....	.....	.....	.....	.....
Fajardo	76.9	75.9	77.6	78.2	80.6	81.4	80.4	81.4	81.6	b82.0	80.5	79.1	79.6	98	62	.....	.....
Guanica Centrale	75.0	.....	75.6	.....	.....	a81.0	79.8	80.1	79.5	79.6	77.8	74.4	.....	.....	.....	.....	.....
Humacao	74.1	72.8	74.4	75.9	78.4	78.8	79.0	80.4	79.2	78.0	76.4	75.0	76.9	92	61	.....	.....
Isabela	b76.8	75.6	75.6	76.2	78.7	80.0	80.6	79.6	79.0	79.9	78.6	77.8	78.2	95	61	.....	.....
Isolina	71.2	69.4	70.4	71.8	73.8	75.8	76.2	77.0	75.7	74.9	73.0	70.9	73.3	93	56	.....	.....
Juana Díaz	77.4	77.4	77.0	78.8	80.3	80.9	81.8	82.2	80.7	.....	.....	78.6	.....	.....	59	.....	.....
La Carmelita A	71.4	70.0	70.2	71.5	72.1	73.8	74.4	75.3	74.2	74.4	73.5	72.8	72.8	89	56	.....	.....
Lares	70.7	71.0	71.6	72.6	74.8	76.2	77.0	77.8	b76.6	76.0	74.0	72.4	74.2	94	54	.....	.....
Las Marias	70.0	69.8	69.8	71.4	74.2	75.6	75.9	76.0	75.3	74.0	72.4	70.6	72.9	91	51	.....	.....

[1] Owing to the high elevation, killing frosts occurred every month.

MONTHLY AND ANNUAL MEAN TEMPERATURE, ETC., 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.			Killing frost.	
													Mean.	Extremes.		Last in spring.	First in autumn.
Porto Rico—Continued.														*Max.*	*Min.*		
Manatí	73.0	72.9	74.2	76.9	78.6	79.7	80.5	81.2	80.8	78.1	75.1	73.4	77.0	98	60	.....	.....
Maricar	70.8	69.7	69.8	71.1	71.8	75.2	[c]76.2	76.2	75.2	75.4	73.8	72.6	73.2	92	50	.....	.....
Maunabo	78.2	77.1	78.3	79.6	81.6	82.4	82.4	83.7	83.0	81.8	80.4	79.2	80.6	95	62	.....	.....
Mayagüez	74.2	73.8	73.2	74.0	74.6	74.7	[c]79.2	79.2	79.2	78.0	76.8	75.4	76.0	95	57	.....	.....
Ponce	76.1	75.6	75.5	77.1	79.4	80.8	81.6	81.5	81.0	80.0	78.8	77.0	78.7	94	60	.....	.....
Rio Blanco	[b]73.0	[c]75.6	[f]75.0	76.9	78.6	78.8	80.0	80.4	80.1	79.6	77.4	[a]76.4	77.6	92	52	.....	.....
San Germán	73.8	74.9	75.1	[d]74.2	76.0	77.2	78.0	78.8	79.0	77.9	76.4	74.8	76.3	92	57	.....	.....
*San Juan	75.8	75.2	75.4	77.0	79.4	80.8	81.0	81.7	81.0	80.4	78.0	76.6	78.5	92	64	.....	.....
San Salvador	71.0	70.8	69.8	[d]71.2	74.0	75.2	76.0	76.3	75.4	74.8	72.7	71.0	73.2	91	57	.....	.....
Santa Isabel	[d]75.9	[b]75.8	[b]75.7	[c]77.2	[c]79.3	[a]80.2	[d]81.4	[c]81.9	[i]80.4	[b]80.0	[c]78.5	[j]76.8	78.6	95	60	.....	.....
Vieques	76.9	76.1	77.0	[b]78.2	[a]80.2	80.2	80.6	82.4	81.0	79.9	78.2	77.5	79.0	94	65	.....	.....
Yauco	74.6	74.0	74.8	76.1	79.6	80.7	80.8	81.4	[b]80.2	[b]79.4	[a]74.4	76.0	77.7	97	54	.....	.....

PART V.

MONTHLY AND ANNUAL PRECIPITATION, 1908—ALL STATIONS.

The precipitation values given in the following tables have been taken largely from the records of unpaid cooperating observers. The paid stations of the Weather Bureau are indicated by an asterisk (*). Most of the cooperating observers have standard rain gages, the remainder having gages similar in pattern to the standard, or, in a few cases, improvised gages of their own construction.

The bracketed values have been obtained by a comparison of the data for adjacent stations, and are to be considered only as an approximation to the true amount.

The discrepancies between the amounts recorded by separate observers when two report from the same place are often considerable; in general, they are due to differences in exposure, although at times one observer may make the last measurement of the month at 6 o'clock a. m., whereas another observer may defer it to 9 p. m., thus causing a difference in the amounts recorded on the first and last days of the month.

The small roman letters in the body of the table indicate the number of days missing from the records for the months in which they appear; thus, "c" indicates three days missing ,"d" four days, etc.

The monthly and seasonal amounts of snowfall for the winter of 1908-9 are given for selected stations in the United States and Canada at the end of Part V.

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MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alabama.													
*Alaga	4.08	5.68	6.02	6.88	3.12	2.80	5.28	3.88	2.96	2.00	0.34	1.24	44.28
Albertville	.....	5.98	4.34	3.85	4.78	1.56	6.09	2.76	1.22	1.90	0.35	7.18	.....
*Anniston	4.70	4.39	4.57	3.42	4.97	1.88	5.03	1.99	3.82	2.18	1.25	5.60	43.80
Ashville	3.97	5.67	5.06	3.96	6.08	2.43	5.39	2.26	2.36	1.80	0.69	7.60	47.27
Auburn	5.48	4.69	5.21	9.05	2.74	2.48	4.65	3.71	1.50	1.61	3.22	4.05	48.39
*Benton	5.59	4.73	2.38	10.04	6.32	1.70	6.72	6.27	1.24	1.59	2.76	3.70	53.04
Bermuda	6.91	6.89	5.90	5.35	5.07	2.48	4.75	5.46	3.02	1.07	2.87	1.86	51.63
*Birmingham	4.15	4.90	4.14	4.05	6.60	1.24	3.51	1.06	0.75	1.22	1.07	6.83	39.52
Boligee	3.82	6.54	4.01	3.50	8.68	4.13	7.60	3.83	1.27	2.28	0.65	.....	.....
*Bridgeport	2.61	7.58	3.75	4.09	2.53	1.55	4.20	5.12	2.04	1.95	1.46	6.12	43.00
*Calera	2.91	7.46	3.83	3.19	7.80	2.46	6.91	2.30	0.42	1.50	4.90	3.30	46.08
Camp Hill	.....	3.70	4.40	8.71	3.07	1.80	3.58	3.97	0.31	1.80	.....	.....	.....
Cedar Bluff	.....	5.35	2.50	5.28	3.75	4.35	3.15	5.13	3.51	3.05	0.70	11.22	.....
Citronelle	6.73	8.39	6.66	6.70	4.17	4.81	8.72	3.76	4.94	1.17	1.58	2.87	61.50
*Clanton	3.41	9.98	3.75	3.79	7.33	3.86	3.48	2.14	0.56	1.55	2.75	4.08	46.68
*Cordova	4.74	6.65	5.35	5.62	6.78	3.90	6.69	3.07	T.	2.39	1.76	7.10	54.05
Cullman	6.63	6.93	5.86	4.05	7.11	2.04	4.69	4.38	1.59	1.54	1.76	9.87	56.45
*Dadeville	3.08	6.96	4.08	7.52	5.05	1.71	5.25	3.70	0.89	1.93	2.80	4.88	47.85
Daphne	5.10	.....	.....	.....	.....	1.48	5.57	2.24	8.83	0.22	1.97	3.64	.....
*Decatur	2.63	5.89	5.32	3.00	7.01	4.01	2.06	3.09	2.67	1.55	1.16	6.84	45.23
*Demopolis	3.78	7.37	4.28	4.28	8.13	4.00	8.24	3.98	1.40	1.88	0.64	3.40	51.38
*Eufaula	4.77	8.74	7.26	7.26	1.81	1.20	4.33	5.24	1.93	2.24	0.97	2.55	48.30
*Evergreen	3.08	11.24	.....	6.94	3.55	4.94	7.64	4.10	2.45	1.30	.....	.....	.....
Flomaton	5.47	3.89	3.15	4.86	4.13	1.35	3.90	2.07	2.28	0.38	0.81	1.87	34.16
*Florence	4.57	5.47	5.37	5.55	5.14	4.35	4.11	1.55	2.25	0.55	1.64	4.41	44.96
*Fort Deposit	4.30	3.89	5.05	.....	4.52	3.34	4.29	2.39	1.70	1.79	2.43	2.51	.....
*Gadsden	2.72	6.62	4.62	4.36	3.20	1.00	2.70	2.00	3.04	2.52	0.84	8.16	41.78
*Good Water	6.18	6.28	2.24	4.10	5.98	2.00	2.48	4.23	0.11	1.69	2.08	.....	.....
Greensboro	3.89	5.85	4.31	3.13	6.55	3.26	4.59	5.05	2.05	1.74	1.17	3.09	44.68
*Greenville	4.60	8.20	5.39	9.26	4.13	3.77	5.89	1.93	0.93	2.09	2.68	2.20	51.07
*Guntersville	2.64	6.04	4.92	5.20	6.52	2.50	2.70	3.40	3.40	1.84	1.16	9.55	49.37
Hamilton	5.10	6.34	7.32	3.73	7.52	4.74	5.36	4.54	2.25	0.63	1.28	8.72	57.54
Highland Home	6.74	2.47	5.82	7.96	5.28	2.80	8.73	0.61	3.48	1.91	1.60	1.43	48.83
*Letohatchee	3.11	4.14	3.65	5.97	.....	0.15	.....	.....	.....	.....	.....	.....	.....
*Livingston	3.22	8.98	3.78	2.70	6.73	3.40	4.55	5.08	0.67	1.83	0.63	3.11	44.68
*Lock No. 4	4.74	6.11	6.57	4.64	6.25	1.54	2.32	5.42	2.63	2.08	0.66	6.12	49.06
Lucy	5.02	4.75	3.89	9.46	2.71	2.14	5.62	5.50	4.28	1.59	0.27	0.96	46.19
Madison	3.70	5.94	4.54	4.31	6.72	2.21	3.70	2.71	2.89	1.15	1.54	6.11	45.52
Maplegrove	3.90	5.35	4.14	4.55	3.32	1.10	3.87	3.49	3.46	3.07	2.32	7.35	45.92
Mentone	4.31	7.31	4.90	3.81	4.76	3.68	2.99	6.13	4.16	2.58	0.31	8.66	53.60
Milstead	2.26	3.72	5.95	9.06	2.25	1.62	2.50	1.16	0.20	2.96	2.40	3.04	37.12
*Mobile	9.49	4.35	6.87	6.42	4.82	2.28	7.41	3.91	7.32	0.33	1.23	2.47	56.90
*Montgomery	5.05	3.55	5.36	10.96	3.90	0.45	4.75	2.72	1.34	3.08	1.88	3.02	46.06
Newbern	5.84	5.02	3.88	4.74	6.34	5.90	3.24	3.24	1.02	1.62	1.25	3.67	45.76
Oneonta	4.36	6.34	5.87	3.17	7.89	2.40	6.51	1.28	3.48	1.95	0.87	8.73	52.85
*Opelika	3.30	6.69	4.95	8.68	3.74	1.11	2.49	4.12	1.12	2.03	2.29	4.21	43.73
*Ozark	.....	.....	4.05	8.94	1.84	2.19	4.25	2.54	3.76	1.97	0.60	0.97	.....
Prattville	4.93	4.41	4.58	9.15	4.97	1.63	4.30	5.51	2.10	.....	3.02	2.96	.....
Pushmataha	4.63	9.82	3.69	5.21	9.22	7.57	4.68	2.41	2.69	0.76	1.14	2.97	54.79
*Riverton	3.82	7.65	5.00	5.97	7.78	4.82	5.67	2.78	1.08	0.19	1.80	5.42	51.98
Scottsboro	3.57	7.21	4.64	5.03	4.72	1.74	5.25	5.47	0.54	1.92	1.06	8.88	50.03
*Selma	3.00	6.58	3.32	5.02	6.32	0.94	5.06	1.71	2.22	1.74	1.93	2.92	40.76
Spring Hill	7.57	4.41	7.43	6.80	6.44	4.34	8.15	1.28	7.97	.....	1.01	3.01	.....
Talladega	4.97	6.36	4.30	4.19	7.26	4.30	1.70	2.23	0.14	1.66	1.61	4.56	43.26
*Tallassee	.....	.....	4.67	11.10	3.03	2.07	1.88	1.97	4.28	1.88	1.55	4.30	.....
*Thomasville	2.19	7.67	3.97	12.25	6.55	2.64	5.96	2.90	2.86	2.09	1.88	1.92	52.94
Troy	.....	.....	.....	.....	.....	3.12	3.76	1.50	4.21	2.42	2.08	2.78	.....
*Tuscaloosa	2.93	7.67	4.74	5.34	7.92	3.29	5.68	2.15	1.26	1.56	1.50	5.48	49.52
*Tuscumbia	3.44	6.91	5.73	5.61	5.40	4.88	3.58	5.95	2.38	0.81	2.23	5.94	52.86
Tuskegee	3.18	2.91	5.46	7.95	2.22	1.17	2.22	6.28	0.20	2.77	0.67	2.06	37.09
*Union Springs	4.25	9.80	6.70	7.76	2.90	1.90	5.72	3.35	2.26	3.24	2.30	3.30	53.48
Uniontown	5.02	5.55	3.36	4.03	6.20	2.21	6.93	2.28	1.07	2.23	1.07	3.11	43.06
Valley Head	3.85	7.68	3.90	4.64	3.14	2.33	2.99	5.88	3.50	2.20	0.65	10.50	51.26
Vienna	2.48	7.48	4.48	4.40	8.78	3.92	5.76	4.48	0.42	0.80	0.80	5.62	49.42
*Wetumpka	3.09	6.75	4.70	11.44	2.78	2.94	5.20	3.18	1.32	2.33	2.58	4.34	50.71
Alaska.													
Bettles	1.00	0.67	0.81	0.34	0.44	0.38	1.92	0.80	.....	0.98	0.78	1.85	.....
Black Point	.....	.....	.....	.....	.....	.....	2.30	3.42	0.43	.....	.....	.....	.....
Calder	.....	.....	.....	12.35	5.00	2.77	5.20	6.62	18.83	15.43	11.74	.....	.....
Chatanika River	.....	.....	.....	.....	.....	.....	.....	0.99	.....	0.75	0.35	0.61	.....
Circle City	1.23	0.25	•0.76	.....	0.29	0.20	0.87	•1.08	2.21	0.40	0.75	1.11	.....
Coal Harbor	6.06	4.49	4.20	1.97	6.47	3.57	3.66	.....	.....	.....	.....	.....	.....
Copper Center	0.45	0.25	0.05	0.10	0.13	0.27	1.83	0.65	0.78	1.15	0.10	0.70	6.46
Dutch Harbor	8.01	4.80	1.85	3.87	3.69	2.67	2.71	5.59	6.85	8.40	9.70	8.74	66.88
Eagle Creek	.....	.....	.....	.....	.....	.....	.....	2.99	.....	.....	.....	.....	.....
Fairbanks	0.42	.....	.....	.....	0.52	0.96	0.73	0.71	1.57	0.47	0.51	0.75	.....
Fort Egbert	0.12	0.25	0.75	0.10	.....	2.16	2.47	1.02	1.48	0.18	0.82	1.09	.....
Fort Gibbon	0.23	0.26	0.90	0.00	1.16	.....	0.96	1.13	1.60	4.50	0.08	0.60	.....
Fort Liscum	16.58	7.22	6.58	3.56	.....	0.79	2.19	3.35	6.00	8.56	8.72	11.09	.....
Holy Cross Mission	.....	1.13	0.21	0.09	0.17	.....	1.28	1.83	.....	2.01	2.44	.....	.....
Jackson	.....	.....	.....	.....	.....	.....	1.69	1.27	0.30	.....	.....	.....	.....
Juneau	.....	3.87	6.50	0.00	4.88	2.45	2.80	3.85	17.00	8.40	1.82	5.32	.....

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Alaska—Continued.													
Katalla	11.88	.....	4.54	8.00	7.75	4.22	8.20	7.93	18.38	.....	.....	.....	.....
Kenai	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ketchumstock	.....	.....	0.41	0.40	1.78	1.77	2.30	2.22	1.35	.....	0.90	2.00	.....
Killisnoo	.....	3.94	0.64	2.28	1.55	0.97	2.29	2.54	8.95	7.90	6.50	1.86	.....
Klukwan	.....	.....	0.66	0.58	.....	.....	.....	.....	.....	2.38	3.06	1.79	.....
Loring	14.68	6.56	9.55	14.94	8.99	5.34	6.52	5.09	24.89	19.50	.....	9.30	.....
Nizina	.....	.....	.....	0.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nome	0.43	0.76	1.19	0.02	0.19	0.90	2.10	2.92	0.52	1.13	0.26	0.75	11.17
Northfork	0.50	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Orca	13.24	13.09	7.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rampart	1.08	0.52	0.81	0.58	0.82	1.38	1.13	0.46	.....	0.39	0.73	1.14	.....
Seward	.....	10.43	2.35	4.00	1.63	0.45	3.25	6.34	4.29	9.73	20.99	12.38	.....
Shelton	.....	.....	.....	.....	.....	.....	1.32	.....	.....	.....	.....	.....	.....
Sitka	7.54	6.57	4.74	9.58	3.82	1.39	3.45	7.52	15.86	10.65	7.20	.....	.....
*Skagway	1.42	1.70	0.23	0.80	0.70	0.11	0.48	0.49	4.18	2.46	3.16	1.83	17.56
Sunrise	7.03	4.68	2.09	3.37	2.63	0.21	2.28	2.91	5.00	2.59	4.49	3.37	40.56
Tyonok	1.98	0.99	.....	.....	0.39	0.25	.....	.....	.....	1.30	1.21	1.86	.....
Wood Island	4.57	5.65	2.91	4.87	6.05	1.63	6.64	7.04	3.82	6.91	14.11	7.15	71.35
Wrangle	.....	.....	.....	.....	3.18	2.37	2.81	3.61	15.98	2.34	.....	.....	.....
Arizona.													
Allaires Ranch	0.87	1.21	0.48	0.31	0.04	0.01	4.76	2.11	0.64	T.	0.37	1.26	12.06
Arizona Canal Dam	0.90	3.20	0.87	0.82	0.09	0.10	2.65	0.59	0.95	0.62	0.11	3.28	14.18
Aztec	0.28	1.35	0.03	0.35	0.00	0.00	0.60	0.79	0.57	0.00	0.03	3.55	7.55
Benson	0.65	1.47	0.79	0.55	0.28	0.15	3.67	2.87	0.65	T.	0.20	0.71	11.99
Bisbee	1.09	2.11	0.36	0.40	0.23	T.	4.51	8.17	1.90	T.	0.45	1.79	21.01
Bonita	0.67	2.70	0.73	0.45	0.31	T.	3.87	2.36	0.19	T.	0.27	2.17	13.72
Bowie	1.10	1.80	0.85	0.02	0.05	0.00	2.09	3.04	0.27	0.00	0.45	1.20	11.50
Buckeye	0.22	1.78	0.46	0.50	T.	0.00	1.55	0.91	0.55	0.67	0.14	2.68	9.46
Casa Grande	0.75	1.50	T.	0.50	0.00	0.00	3.00	1.62	1.58	.....	0.28	1.65	.....
Casa Grande River	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.23	0.49	2.05	.....
Cave Creek	0.27	2.02	0.78	1.32	0.30	T.	3.61	1.07	0.75	0.60	0.39	3.98	15.09
Chlarsons Mill	.....	.....	4.00	0.98	0.31	0.03	4.28	.....	3.02	0.65	1.02	1.62	.....
Clifton	1.44	3.46	0.94	0.53	0.14	.....	.....	.....	.....	.....	0.24	.....	.....
Cline	1.20	5.41	2.78	0.65	0.38	0.37	3.26	3.94	0.52	0.42	0.53	6.07	25.53
Cochise	0.32	1.46	0.65	0.30	0.10	T.	3.50	0.88	0.70	0.08	0.40	0.95	9.34
Columbia	1.12	4.20	1.25	1.00	T.	0.00	2.20	1.48	0.40	0.73	0.46	5.64	18.48
Congress	1.33	3.86	0.80	0.26	0.37	T.	4.22	4.07	0.90	1.33	0.15	4.48	21.77
Douglas	0.50	0.80	0.40	0.08	0.13	0.03	3.74	2.12	0.90	0.05	0.53	1.16	10.44
Dudleyville	0.60	3.35	0.38	0.42	0.20	0.02	5.64	2.72	1.46	0.29	1.10	3.00	19.18
*Flagstaff [1]	1.21	2.89	1.94	1.10	1.43	0.69	3.90	4.69	0.99	0.99	0.34	5.74	25.91
Flagstaff [2]	.....	3.05	1.76	1.41	1.68	0.44	3.52	5.28	1.13	0.89	0.39	5.68	.....
Florence	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.26	0.11	2.49	.....
Fort Apache	0.23	3.50	1.30	0.14	0.20	0.00	3.50	0.51	0.46	0.50	0.46	3.10	13.90
Fort Huachuca	0.45	2.28	0.52	0.36	0.07	T.	3.89	4.38	1.40	0.00	0.07	2.18	15.60
Fort Mohave	0.12	1.07	0.11	0.10	T.	0.00	0.50	0.10	1.13	0.05	.....	.....	.....
Gila Bend	0.40	1.47	0.47	1.25	0.00	0.00	0.42	0.21	0.40	0.45	0.08	2.54	7.69
Globe	1.18	3.70	1.78	0.62	0.21	0.00	5.38	3.50	0.21	0.23	0.95	3.81	21.57
Grand Canyon	1.20	2.81	1.45	1.12	1.90	0.05	3.53	3.30	0.46	1.03	0.47	5.21	22.53
Grand Canyon	.....	.....	.....	.....	.....	0.02	1.92	0.99	0.49	1.49	0.42	2.85	.....
Greer	0.92	2.36	2.23	0.96	1.30	.....	7.30	6.76	0.95	0.35	1.35	2.20	.....
Holbrook	0.67	1.49	0.52	0.81	0.66	0.24	2.15	2.71	0.26	1.31	0.21	1.51	12.54
Intake	0.94	2.56	1.43	0.82	0.21	0.01	3.33	3.32	0.48	0.81	0.77	2.73	17.41
Jerome	1.60	3.40	1.80	0.60	1.60	0.00	4.90	1.98	0.50	1.20	0.28	6.06	23.92
Keams Canyon	0.91	1.73	0.31	0.57	0.28	0.00	0.78	2.30	1.41	1.63	0.43	3.76	14.11
Kingman	2.32	2.58	1.38	0.38	0.28	0.00	1.68	2.39	2.82	0.37	0.22	2.27	16.69
Maricopa	0.28	1.85	0.70	0.80	0.02	0.00	2.80	0.81	0.35	0.35	0.39	1.99	10.34
Mesa	0.70	2.16	0.58	0.55	0.02	0.01	1.53	0.38	0.71	0.74	0.15	2.64	10.17
Mohawk Summit	0.25	0.20	T.	.....	0.00	0.00	0.40	0.46	0.37	0.00	0.00	1.87	.....
Natural Bridge	0.91	4.34	1.95	2.73	0.51	0.00	5.62	5.19	1.81	2.01	0.95	7.12	33.14
Oracle	.....	.....	.....	.....	.....	.....	3.58	3.76	0.76	0.98	0.94	2.82	.....
Paradise	0.17	2.05	1.07	0.11	.....	0.00	5.73	4.91	3.37	T.	0.15	2.88	.....
Parker	1.48	0.00	.....	0.00	0.05	0.00	T.	0.86	.....	.....	.....	.....	.....
*Phoenix	0.35	1.87	0.41	0.90	0.03	0.00	2.98	0.81	0.51	0.52	0.36	1.94	10.68
Phoenix	0.30	1.97	0.42	1.12	0.04	0.00	2.78	1.81	0.47	0.53	0.50	1.97	11.91
Pinal Ranch	1.49	6.90	2.64	1.53	0.60	T.	4.59	7.65	1.33	0.69	1.03	7.62	36.07
Pinto	0.76	1.81	0.34	0.67	0.05	0.40	2.71	3.65	0.05	0.75	0.41	1.72	13.32
Prescott	1.42	3.30	1.11	0.65	1.11	T.	8.80	2.35	1.00	1.11	0.41	5.69	26.95
Quartzsite	.....	.....	.....	.....	0.06	0.00	0.94	1.01	1.82	T.	T.	2.29	.....
Redrock	.....	.....	.....	.....	.....	.....	2.29	1.23	0.63	0.10	0.25	1.91	.....
Roosevelt	1.13	3.16	1.92	0.68	0.15	T.	2.82	4.34	0.47	0.80	1.04	2.84	19.35
Sacaton	.....	.....	.....	0.62	0.05	0.45	2.16	0.49	2.31	0.18	0.13	2.48	.....
Salome	0.65	2.01	0.31	0.12	0.10	T.	2.55	2.03	0.63	0.16	0.28	2.71	11.55
San Carlos	0.84	3.55	0.73	0.57	0.12	0.19	2.94	5.51	0.55	0.30	0.31	3.01	18.62
San Simon	0.80	0.86	0.60	1.00	0.00	0.00	1.80	3.02	0.31	T.	0.18	1.19	9.76
Seligman	0.88	2.59	0.99	0.48	.....	T.	2.25	1.97	0.74	0.51	0.68	2.40	.....
Sentinel	0.50	1.09	0.05	0.50	T.	0.00	0.92	1.55	0.26	0.32	0.05	1.55	6.79
Silverbell	0.66	3.39	0.21	0.13	0.06	0.14	2.26	2.27	1.40	0.08	0.30	2.93	13.83
St. Johns	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Michaels	0.50	1.59	0.66	0.86	0.53	0.15	0.79	2.96	1.18	0.39	0.74	1.80	12.15
Supai	0.75	2.04	0.64	0.69	0.35	T.	2.33	1.49	0.74	1.19	0.75	2.90	13.87
Tempe	0.48	2.11	0.49	0.63	0.02	T.	2.62	0.28	0.20	0.47	0.31	2.29	9.99
Thatcher	.....	1.69	0.31	0.22	0.02	0.00	5.47	4.07	0.40	0.28	0.23	1.07	.....
Tombstone	0.76	1.45	0.35	0.35	0.07	0.00	3.71	4.60	0.32	0.00	0.45	1.48	13.54
Tuba	0.40	1.61	.....	0.63	0.16	0.32	0.35	1.24	0.27	0.30	0.37	1.77	.....
Tucson	0.76	2.08	0.39	0.10	0.16	T.	4.77	2.18	0.55	0.26	0.17	2.62	14.04
Upper San Pedro	0.75	1.51	0.33	.....	.....	.....	.....	3.34	.....	.....	.....	.....	.....
Vail	0.11	1.58	0.20	0.08	0.00	0.00	0.27	2.46	0.64	0.12	0.14	1.36	6.96
Walnut Grove	0.70	3.10	0.85	0.62	0.11	T.	4.13	1.74	1.35	1.19	0.32	5.68	19.79
Wickenburg	.....	.....	0.06	0.02	0.03	0.00	0.20	1.25	0.23	0.16	0.20	1.75	.....
Willcox	0.71	2.15	0.58	0.24	0.12	T.	3.89	1.63	0.34	T.	0.41	1.09	11.16
Williams	0.60	3.30	1.47	1.22	2.60	T.	6.62	3.56	0.39	0.81	0.80	5.50	26.87
Winslow	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.18	0.15	4.38	.....
Yarnell	1.87	3.71	0.95	0.60	0.50	0.02	3.02	5.04	1.52	1.53	0.15	5.97	24.88
*Yuma	0.16	0.84	0.08	0.05	0.00	0.00	1.34	0.30	0.34	T.	0.24	2.58	5.93
Yuma	0.10	0.95	T.	T.	0.00	0.00	0.20	0.26	0.14	0.00	0.12	2.18	3.95

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Arkansas.													
Alicia	3.69	5.50	.....	8.25	4.81	2.97	4.87	8.50	4.75	.....	8.75	0.10	.....
Amity	4.50	4.08	4.39	7.78	10.40	3.50	2.71	3.74	5.85	0.10	4.80	2.36	54.21
Arkadelphia (near)	3.26	3.22	2.53	4.24	10.68	5.60	2.84	4.96	4.71	0.19	4.28	3.27	49.78
*Arkansas City	5.12	12.70	.....	4.05	7.28	8.60	3.04	8.15	2.10	0.40	4.10	4.20	.....
*Batesville	3.87	6.91	3.89	9.16	2.98	2.37	3.61	3.97	6.12	0.58	7.46	0.33	51.25
Batesville	3.39	6.82	4.06	7.51	3.20	2.75	3.40	5.18	6.12	0.58	8.12	0.33	51.46
Bee Branch	4.55	6.38	3.45	5.20	5.90	1.70	2.55	5.00	4.95	0.20	6.97	0.85	47.70
Benton	.....	3.34	.....	4.31	.....	.....	.....	.....	5.91	0.16	5.13	0.87	.....
*Bentonville	2.62	3.98	2.28	8.22	7.72	3.69	3.03	3.94	3.61	0.92	6.10	0.45	46.56
Bergman	3.86	4.08	3.86	8.68	8.74	4.55	1.52	5.31	4.21	1.10	2.10	0.37	48.38
*Black Rock	2.83	7.22	3.81	6.14	3.30	4.50	4.15	4.99	3.42	0.45	6.28	0.53	47.62
*Brinkley	3.11	6.50	4.97	4.04	4.17	1.97	2.59	4.98	2.25	0.28	6.08	2.12	43.06
*Calico Rock	3.24	4.24	3.40	7.30	1.76	1.08	1.13	3.39	3.88	0.50	4.69	0.30	34.91
Camden	2.75	5.18	3.19	4.01	7.12	4.15	0.97	2.76	5.05	0.35	4.61	2.19	42.33
Center Point	3.26	3.68	2.34	5.89	8.73	8.83	5.89	1.86	4.83	T.	3.62	2.85	51.78
*Clarendon	4.01	5.47	4.09	3.03	3.46	2.21	2.23	4.45	2.48	0.39	5.83	2.43	40.08
Conway	5.02	4.80	6.04	7.35	5.63	2.43	3.43	5.35	7.46	0.19	5.65	0.34	53.69
Corning	3.12	6.13	3.27	6.35	4.65	5.51	1.23	7.62	1.90	0.26	5.83	0.83	46.70
*Dardanelle	4.00	4.84	3.36	4.64	6.42	1.70	1.36	2.40	7.84	0.00	5.36	0.52	42.44
Des Arc	4.76	.....	5.34	5.18	.....	.....	2.18	.....	.....	.....	.....	.....	.....
Dodd City	2.64	3.90	4.40	8.60	8.30	3.40	3.20	3.44	5.68	1.44	3.36	0.25	48.61
Dutton	3.59	5.72	4.22	11.02	11.69	4.99	5.41	4.66	3.80	1.72	5.62	0.27	62.71
Earl	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	7.70	.....	.....
*Eldorado	1.82	6.77	3.03	4.04	9.36	3.23	1.42	2.94	2.88	0.26	7.39	3.85	46.99
England	.....	4.22	4.92	3.57	5.47	.....	.....	4.80	2.99	0.37	7.14	.....	.....
Eureka Springs	2.62	4.50	2.74	10.13	8.57	4.35	2.06	4.54	2.15	1.66	5.02	0.83	49.17
*Fayetteville	2.27	3.05	2.73	7.41	9.15	3.79	3.74	7.34	3.73	1.20	5.58	0.47	50.46
*Forrest City	3.82	6.46	5.72	4.22	4.47	.....	.....	.....	.....	.....	.....	.....	.....
*Fort Smith	1.91	2.48	2.91	6.71	9.79	6.56	5.95	7.32	3.17	1.33	4.46	0.09	52.68
*Fulton	3.80	1.92	3.34	2.82	11.12	8.88	3.22	2.22	3.06	0.00	6.06	1.84	48.28
Hardy	4.84	5.07	3.13	7.51	6.02	4.44	2.54	2.67	3.95	0.61	5.94	0.87	47.59
Heber	3.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Helena	5.17	6.90	3.62	2.56	4.50	1.96	2.89	4.57	0.84	0.12	4.69	2.77	40.59
Helena	4.64	8.96	3.72	2.85	4.80	2.54	2.22	5.88	1.04	0.16	5.24	3.40	45.45
Hope	4.24	3.31	2.52	4.69	11.53	.....	.....	.....	.....	.....	.....	.....	.....
Hot Springs	4.99	4.25	4.71	7.26	8.53	3.47	5.64	3.21	4.21	0.14	6.08	0.60	53.09
Huttig	4.50	8.35	3.71	3.40	8.97	6.29	5.10	3.56	2.53	0.32	4.54	5.30	57.07
Jonesboro	4.74	7.33	4.32	9.28	1.92	3.13	2.40	5.96	2.87	0.85	5.92	1.33	50.05
Junction	3.46	6.23	2.64	.....	11.22	3.03	1.90	5.83	.....	T.	.....	4.01	.....
Lacrosse	3.19	4.69	2.94	7.04	5.47	3.80	3.17	2.79	.....	0.50	.....	.....	.....
Lake Farm	4.82	4.16	.....	.....	3.34	0.61	1.37	1.38	2.22	0.00	1.30	1.26	.....
Lewisville	4.32	3.07	2.58	3.73	12.54	4.51	1.68	2.13	4.02	0.29	3.57	2.42	44.86
*Little Rock	5.03	3.32	4.31	4.32	4.59	2.30	1.08	2.58	3.27	0.43	4.98	0.84	37.05
Lutherville	3.58	3.58	3.21	6.36	7.05	3.02	3.38	7.48	4.81	0.27	7.91	0.47	51.12
*Luxora	2.28	6.40	4.72	6.60	.....	.....	.....	.....	.....	.....	.....	.....	.....
McNeil	3.56	4.46	2.64	4.80	8.28	2.82	1.31	3.03	4.43	0.12	4.00	2.57	42.02
*Malvern	4.20	5.35	5.05	6.50	6.05	5.50	2.65	4.97	4.35	0.70	5.15	1.95	52.42
Mammoth Spring	3.47	6.87	3.34	8.74	5.68	3.20	2.82	4.43	3.34	0.50	5.09	0.55	48.03
*Marked Tree	2.92	6.38	5.78	6.11	2.01	.....	1.15	4.76	2.06	0.06	7.82	0.94	.....
Marvell	5.81	3.72	3.98	3.44	4.31	2.27	3.85	3.72	3.05	0.25	2.32	3.34	40.06
Mena	4.11	4.32	7.67	13.76	9.04	5.86	4.98	3.28	4.01	0.11	5.99	0.54	63.67
Montrose	.....	10.74	5.76	6.56	7.68	3.40	2.98	11.99	1.89	0.33	4.35	.....	.....
Mossville	2.88	5.69	5.04	10.24	12.30	3.46	3.21	5.69	3.87	1.27	6.54	0.31	60.50
Mount Nebo	4.45	5.42	3.80	7.78	8.30	4.32	.....	.....	.....	0.75	5.75	0.47	.....
*Newport	4.65	7.95	4.10	10.09	3.45	4.00	2.15	5.64	6.91	0.45	6.90	0.35	56.64
Ozark	2.06	3.98	3.79	7.30	8.91	4.46	6.03	5.42	4.38	0.99	5.05	0.49	52.86
*Pine Bluff	3.54	6.38	5.73	3.60	7.73	1.70	5.21	5.29	3.52	0.44	6.73	2.72	52.59
Pocahontas	2.92	6.85	3.28	6.41	4.16	5.02	1.94	8.22	2.65	0.76	4.65	0.63	47.49
Pond	2.47	4.59	2.56	7.73	9.95	4.75	2.45	4.91	2.57	2.12	5.48	0.53	50.11
*Prescott	3.78	3.90	2.62	4.09	12.07	7.53	3.39	1.14	9.65	0.19	4.41	2.07	54.84
Princeton	3.78	3.69	2.61	3.53	10.15	3.19	2.79	3.95	4.10	T.	4.68	2.13	44.60
Rogers	2.53	2.76	1.82	9.60	8.95	4.46	5.02	3.81	2.47	0.03	5.58	0.16	48.09
*Russellville	3.60	3.95	3.34	8.30	6.57	3.61	2.28	3.96	7.93	0.15	7.55	1.30	52.54
Spielerville	4.14	3.08	3.55	6.33	6.10	3.75	4.00	6.22	4.00	0.40	5.74	0.32	47.63
Stuttgart	5.92	4.48	3.78	3.00	4.60	1.87	2.29	3.20	2.78	0.58	5.43	2.76	40.69
*Texarkana	.....	.....	.....	.....	8.29	3.03	4.55	2.18	5.39	0.00	2.48	2.61	.....
*Warren	3.12	6.89	2.18	3.53	8.32	5.01	2.50	7.14	5.13	0.94	4.66	4.91	54.33
*White Cliffs	3.14	3.33	2.36	5.82	8.76	9.11	1.36	2.44	3.98	T.	3.22	4.18	47.70
Wiggs	5.19	4.67	4.65	6.59	7.79	2.58	5.56	4.95	3.82	0.09	5.68	1.10	52.67
Wynne	.....	.....	.....	.....	.....	.....	.....	4.32	4.28	0.20	6.36	2.51	.....
California.													
Aguanga	.....	.....	.....	.....	.....	.....	.....	1.05	0.51	0.14	0.07	0.50	.....
Alturas	1.04	0.16	0.26	0.35	1.31	0.42	0.21	0.19	0.10	1.42	0.66	0.67	6.79
Angels Camp	6.25	1.75	3.24	0.75	2.43	T.	T.	0.00	0.35	1.20	2.56	1.84	20.37
Angiola	0.90	.....	.....	0.44	0.57	0.00	0.00	0.00	1.83	0.15	0.72	0.13	.....
Antioch	3.49	1.87	0.95	0.15	0.06	0.00	0.00	0.00	T.	.....	.....	1.49	.....
Aptos	4.99	3.95	0.88	0.74	0.46	0.00	0.00	0.00	0.15	1.40	2.37	3.29	18.23
Auburn	5.44	3.38	1.87	0.84	2.57	0.17	T.	0.00	0.17	2.42	1.87	3.43	22.16
Azusa	5.34	3.55	0.69	0.81	0.29	0.00	T.	0.00	2.63	0.61	0.43	2.55	16.90
Bagdad	0.00	0.35	0.00	0.00	0.00	0.00	0.70	2.20	1.00	0.00	0.00	0.00	4.25
Bakersfield	1.05	0.47	0.06	0.07	0.32	0.00	0.00	0.00	1.15	0.00	0.35	0.22	3.69
Barstow	1.11	0.75	0.35	0.09	0.18	0.00	T.	0.59	0.66	0.42	0.00	0.10	4.26
Bear River	4.02	3.71	4.39	1.13	4.40	0.62	0.00	0.00	1.00	1.92	2.21	.....	.....
Bear Valley [1]	8.35	6.31	6.42	2.29	5.76	0.78	0.00	0.00	0.43	5.06	4.80	5.27	45.47
*Bear Valley [2]	4.20	4.95	1.75	1.27	3.78	0.00	0.40	0.00	1.15	1.73	1.66	0.77	21.66
Beckwith	.....	1.40	1.29	0.27	1.53	0.42	0.15	T.	0.14	0.91	1.58	0.84	.....
Ben Lomond	9.17	10.10	3.20	0.63	0.66	0.00	0.00	0.00	0.27	0.90	3.40	4.62	32.95
Berkeley	5.44	4.35	1.37	0.30	1.17	0.01	0.00	0.00	0.09	0.98	1.83	2.62	18.16
Biggs	3.85	4.10	0.20	0.10	1.32	0.00	0.00	0.00	0.00	0.41	1.73	2.92	14.63
Bishop	1.58	1.65	0.18	T.	0.00	T.	0.08	0.15	.....	.....	.....	0.42	.....
Blocksburg	9.62	7.47	3.99	1.74	0.07	0.73	0.00	0.00	0.39	5.36	6.80	5.28	47.25
Blue Canon	6.77	5.40	6.00	2.45	4.95	1.25	0.00	0.00	0.20	5.25	3.70	5.00	40.97
Boca	1.05	2.65	2.00	T.	0.80	0.05	T.	0.00	0.00	1.70	0.50	0.72	9.47
Boulder Creek	7.22	10.68	2.01	0.56	0.89	0.00	0.00	0.00	0.10	1.14	2.63	5.80	31.03

[1] Nevada County. [2] Kern County.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Bowmans Dam	7.33	7.87	6.16	1.89	6.09	1.58	0.00	0.00	0.51	6.28	4.43	5.13	47.27
Branscomb	12.84	8.56	4.61	1.90	6.47	1.11	0.00	0.00	0.13	8.39	7.84	7.21	59.06
Brush Creek	11.79	9.18	3.44	1.24	6.21	0.29	T.	0.00	0.08	3.57	5.08	4.99	45.87
Butte Valley	4.76	4.74	3.37	0.54	4.87	0.68	0.00	0.00	0.25	3.26	3.52	2.21	28.20
Cabazon	3.16	2.52	1.31	0.96	0.00	0.00	0.00	0.00	0.82	0.82	0.33	0.35	10.27
Calexico	0.58	0.72	0.11	0.00	0.00	0.00	0.00	0.66	T.	0.00	0.33	0.96	3.36
Caliente	3.10	3.03	1.70	1.00	0.87	0.00	0.00	0.00	0.05	0.06	1.02	0.03	10.86
Calistoga	5.97	6.35	2.80	0.24	1.21	0.05	0.51	0.00	0.00	0.93	3.13	4.18	25.37
Campbell	2.62	2.08	1.48	0.22	0.55	0.00	0.00	0.00	0.15	0.02	1.00	1.54	9.66
Campo	4.21	4.90	1.91	0.71	1.01	0.00	0.26	0.00	0.40	1.72	0.77	1.83	17.72
Camptonville (near)	9.58	8.05	6.90	2.06	7.12	0.68	0.00	0.00	0.30	5.66	5.41	6.67	52.43
Cedarville	1.09	0.51	0.54	0.11	1.41	0.85	0.13	T.	0.40	3.18	0.70	0.73	9.65
Chico	5.34	4.93	0.52	0.41	1.85	0.00	0.00	0.00	0.06	0.26	1.96	2.59	17.92
Chico (near)	6.45	5.80	0.41	0.44	1.87	0.00	T.	0.00	T.	0.42	2.28	2.93	20.60
Chino	6.88	3.19	0.61	0.60	0.23	0.00	T.	T.	1.10	0.66	0.34	1.78	15.39
Cisco	4.88	5.90	11.30	0.60	6.00	1.00	T.	0.25	0.94	5.90	3.70	4.55	45.02
Claremont	6.67	3.68	1.49	0.81	0.28	0.00	0.10	T.	1.70	1.23	0.15	1.25	17.36
*Clear Lake	0.38	0.36	1.24	0.59	1.92	0.44	0.15	0.29	T.	2.00	1.25	1.10	9.72
Cloverdale	6.71	7.87	1.27	0.59	1.51	0.08	T.	0.00	0.04	1.75	3.31	3.81	26.94
Colfax	5.00	4.56	3.68	1.86	5.19	1.25	0.00	0.00	0.35	3.20	2.74	4.09	31.92
Colgate	6.98	4.29	3.29	1.11	5.23	0.11	0.00	0.00	0.00	2.02	3.17	3.82	30.02
Colusa	3.06	3.94	0.34	0.08	0.43	0.00	0.00	0.00	0.04	0.03	1.54	1.88	11.34
Corning	3.80	6.30	1.05	0.00	1.45	0.00	0.00	0.00	0.12	T.	1.38	2.50	16.60
Corona							0.20	0.05	0.47	0.10	0.00	0.65	
Coulterville (near)								T.	0.58	2.30	1.75	2.01	
Craftonville	5.32	2.27	1.75	1.02	0.45	0.00	T.	0.92	1.13	0.92	0.00	0.80	14.58
Crescent City	7.89	24.40	4.85	2.51	2.79	0.00	0.00	0.17	0.90			7.32	
Crockers	4.74	5.19	4.42	1.60	3.69	T.	T.	0.00	1.24	2.30	2.92	3.25	29.35
Cuyamaca	6.67	9.30	3.25	2.77	1.85	0.00	T.	2.87	1.82	2.30	1.24	0.70	32.77
Daunt	3.22	7.31	2.18	1.45	2.67	0.00	0.00	0.00	2.08	1.87	1.61	2.19	24.58
Davisville	4.60	2.99	0.86	0.10	0.29	0.00	0.00	0.00	0.02	0.06	1.23	1.81	11.96
Deer Creek	8.91	8.01	7.94	1.38	6.88	0.78	0.00	0.00	0.34	7.19	4.39	5.26	51.08
Delano	1.00	3.27	0.00	0.25	0.75	0.00	0.00	0.00	0.61	0.28	1.54	0.08	7.78
Delta	11.54	12.65	3.56	3.17	2.52	0.73	0.00	0.00	0.40	4.14	4.33	3.86	46.90
Denair	1.70	1.06	0.00	0.00		0.00	0.00	0.00	0.23	0.24	1.15	1.53	
Dobbins	6.40	4.29	3.23	1.11	5.23	0.16	0.00	0.00	0.10	2.30	3.22	3.98	30.02
Downieville									0.37	4.05	4.24	4.65	
Dunnigan	2.59	4.60	1.10	0.00	0.19	0.00	0.00	0.00	0.00	0.00	1.85	1.74	12.07
Dunsmuir	10.07	7.58	0.90	3.26	3.00	1.45	0.08	0.00	0.00	3.98	5.28	4.33	39.93
Durham	5.55	5.03	0.56	0.37	1.61	T.	0.00	0.00	0.09	0.31	1.81	2.31	17.64
Dyerville	10.04	7.36	3.05	0.59	3.45	0.46	0.00	0.00	0.05	3.43	5.81	5.83	40.07
Edgewood	3.20	5.26	1.00	0.63	0.76	0.40	0.18	0.06	0.12	2.62	0.69	0.45	15.37
Edison	1.91	2.89	0.94	0.54	0.34	0.00	T.	0.00	0.30	0.49	1.16	0.39	8.96
El Cajon	4.58	3.39	1.34	0.69	0.23	0.00	0.16	0.89	0.32	0.59	0.84	1.19	14.22
Electra	4.79	2.70	1.35	0.70	2.68	0.00	0.00	0.00	0.31	1.06	1.94	1.83	17.36
Elsinore	4.93	2.80	0.47	0.18	0.04	0.00	0.00	0.73	0.30	0.53	0.24	0.82	11.04
Emigrant Gap	8.65	6.40	6.70	1.05	5.60	1.25	0.00	0.00	0.41	2.75	3.65	4.05	40.51
Escondido	5.07	3.31	1.05	0.77	0.22	0.00	0.00	1.00	0.46	0.45	0.73	1.07	14.13
*Eureka	7.23	6.59	2.82	0.85	2.57	0.19	T.	0.16	0.02	5.09	3.97	3.91	33.40
Farmington	3.72	1.29	0.62	0.05	0.58	0.00	0.00	0.00		0.27	1.12	0.88	
Felton	7.57	8.68	2.13	0.81	0.58	0.00	0.00	0.00	0.10	1.36	3.37	4.85	29.45
Firebaugh	1.90	1.30	0.61	0.38	0.25	0.00	0.00	0.00	0.00	0.04	0.85	0.84	6.17
Folsom	4.25	2.50	0.90	0.28	1.34	0.06	0.00	0.00	0.04	1.17	1.29	2.72	14.55
Fordyce Dam	7.48	6.43	5.01	1.73	4.76	1.29	0.10	0.00	1.27	5.77	4.03	4.01	41.88
Fort Bragg	7.73	5.32	1.43	0.70	2.12	0.00	0.00	0.00	0.16	2.42	4.34	4.74	28.96
Fort Ross	9.50	8.42	1.75	0.93	3.06	0.48	0.00	0.00	0.12	3.67	5.14	5.45	38.52
Fouts Springs	6.30	6.90	1.88	0.15	1.17	0.40	0.00	0.00	0.12	1.31	3.28	3.10	24.61
*Fresno	1.70	1.75	0.71	0.80	0.63	0.00	0.01	0.00	0.15	0.02	0.66	0.57	7.00
Fruto	2.66	5.98	0.45	0.10	0.45	0.00	0.00	0.00	T.	T.	1.40	2.57	13.61
Galt	4.97	1.63	0.95	0.14	0.51	0.00	0.00	0.00	0.18	0.69	1.37	1.54	11.98
Georgetown	6.31	4.60	5.36	1.11	4.93	0.38	T.	0.00	0.42	3.57	3.54	3.51	33.73
Gilroy	2.83	1.97	1.24	0.45	0.52	0.00	0.00	0.00	0.02	0.25	1.93	1.95	11.16
Glendora	6.44	4.56	1.65	1.10	0.49	0.00	0.00	0.00	2.85	0.80	0.30	2.21	20.40
Glen Ranch	11.50	6.99	1.26	0.91	0.59	0.00	0.02	0.03	0.38	0.86	0.16	2.67	25.37
Glenwood	6.13	6.25	1.97	0.63	0.69	0.00	0.00	0.00	0.12	0.73	2.27	4.00	22.79
Gold Run	3.85	2.30	2.80	0.70	4.90	0.83	0.00	0.00	0.22	2.84	5.16	4.90	28.50
Gonzales	3.04	2.02	1.35	0.32	0.23	0.00	0.00	0.00	0.18	0.39	1.57	0.78	9.88
Grass Valley											2.66	5.19	
Greenville	4.55	4.25	3.24	0.26	4.17	0.69	T.	0.00	0.76	2.71	2.66	2.48	25.77
Gridley	4.30	4.49	0.72	0.13	1.94	0.00	T.	0.00	0.04	0.37	1.81	2.43	16.23
Groveland				0.92	2.74	0.00	0.00	0.02	0.69	4.05	2.30	2.26	
Guinda	3.20	4.10	1.40	0.27	0.10	T.	0.00	0.00	0.00	0.00	2.10	3.50	14.67
Hanford	1.86	2.84	0.00	1.05	0.50	0.00	0.00	0.00	0.95	0.00	0.72	0.31	8.23
Head Dam	7.58	5.76	4.73	1.37	7.17	0.33	0.00	0.00	0.15	4.87	4.38	5.52	41.86
Healdsburg	7.55	6.84	1.76	0.28	1.12	0.10	0.00	0.00	0.07	1.47	3.07	4.96	27.22
Heber	0.30	0.75	0.10	T.	0.00	0.00	0.02	0.34	0.10	0.00	0.20	0.92	2.73
Helen Mine	12.25	10.95	3.57	2.06	4.35	0.95	0.00	0.00	T.	6.51	6.09	7.17	53.90
Hollister	2.07	1.61	1.15	0.20	1.00	0.01	0.00	0.00	0.14	0.42	1.02	0.94	8.56
Hornbrook	0.50	0.30	0.00	0.74		0.00	0.00	0.00	T.	1.50	0.85	0.97	
Hot Springs	3.71	5.92	0.57	0.78	2.54	0.00	T.	0.00	1.73	1.39	2.18	1.60	20.42
Hullville (near)	6.64	6.48	1.94	0.38	1.63	0.14	T.	0.00	0.53	1.61	3.44	3.11	25.90
Idyllwild	3.96	3.85	1.67	2.34	1.14	0.00	1.50	2.73	3.11	1.85	0.70	1.05	23.90
Imperial	0.22	0.52	0.01	0.03	0.00	0.00	0.00	0.44					
*Independence	1.63	0.98	0.14	T.	T.	T.	0.26	0.46	0.84	0.03	0.01	0.20	4.55
Indio	0.95	0.57	0.01	0.00	0.00	0.00	T.	0.45	1.60	0.00	0.00	0.06	3.64
Inskip	10.81	10.82	5.60	1.87	5.71	0.60	T.	T.	0.43	8.40	6.25	5.93	56.42
Ione	4.33	1.70	0.95	0.32	1.66	0.30	0.00	0.00	0.10	0.55	1.19	1.73	12.83
Iowa Hill	7.48	5.19	4.57	1.29	5.41	0.53	T.	0.00	0.24	3.58	3.86	4.05	36.20
Isabella	1.62	2.45	0.25	0.35	0.35	0.00	0.00	0.24	1.09	0.24	1.14	0.37	8.10
Jacksonville	3.53	2.64	1.16	0.52	1.62	0.00	0.00	0.00	0.55	3.10	1.93	1.30	16.35
Jamestown	3.78	3.25	1.35	0.83	2.30	0.00	T.	0.00	0.63	2.06	1.85	1.72	17.77
Jenny Lind	3.04	1.88	1.04	0.00	0.74	0.00	0.00	0.00	0.00	0.00	1.20	0.97	8.87
Jolon	5.46	2.01	0.39	0.95	0.29	0.00	T.	0.00	0.26	0.13	0.87	2.62	12.98
Julian									1.15	1.10	1.00	1.50	
Keeler	0.91	1.08	0.00	0.00	0.25	0.00	0.50	0.58	2.75	0.00	0.00	0.00	6.07
Kennedy Mine	4.81	2.74	1.13	0.45	2.71	T.	0.00	0.00	0.42	1.29	1.38	1.76	16.69

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
Kennet	9.18	10.60	4.18	3.36	4.62	.....	.....	.....	.....	.....	4.70	4.58	.....
Kentfield	8.60	8.96	2.08	0.50	1.39	0.28	0.00	0.00	0.00	2.35	4.26	5.35	33.77
Kernville	1.34	2.60	0.20	0.19	0.08	0.00	0.15	0.10	0.82	0.16	0.92	0.30	6.86
King City	4.95	1.68	0.48	0.54	0.30	0.00	0.00	T.	0.51	0.00	0.65	0.92	10.03
Knights Landing	3.44	3.04	0.60	0.08	0.74	0.00	0.00	0.00	0.06	0.03	1.60	2.30	11.89
Knob	.....	.....	.....	.....	.....	.....	0.04	0.00	0.09	2.83	3.40	15.03	.....
La Grange	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.90	1.45	0.88	.....
Lakeside	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.58	1.00	.....
La Porte	10.49	8.71	6.06	2.70	9.16	1.51	0.00	0.13	0.40	7.75	5.16	6.01	58.08
Lathrop	3.28	1.03	0.50	0.06	0.15	0.00	0.00	0.00	0.15	0.25	1.05	1.31	7.78
Laurel	6.80	8.75	2.95	0.55	0.70	0.00	0.00	0.00	0.20	0.70	3.10	6.00	29.75
Laytonville	9.90	7.18	1.98	1.07	4.31	0.50	0.00	0.00	0.17	4.59	4.99	6.54	41.23
Le Grand	1.12	0.40	0.00	0.45	0.50	0.00	0.00	0.00	0.25	0.25	1.06	0.81	4.84
Lemon Cove	2.63	5.40	0.36	0.24	1.19	0.00	0.05	0.00	1.17	0.25	0.89	0.41	12.59
Lick Observatory	5.02	4.26	1.95	0.70	2.39	0.02	0.00	0.00	0.00	0.00	2.63	2.96	19.93
Livermore	2.27	1.35	0.75	0.28	0.53	T.	T.	0.00	0.03	0.27	0.60	1.55	7.63
Lodi	5.07	1.51	0.83	0.14	0.81	0.00	0.00	0.00	0.16	0.41	1.33	1.21	11.47
Lone Pine	1.57	2.18	0.10	0.00	0.00	0.00	T.	0.29	1.12	0.18	0.00	0.10	5.54
Lordsburg	6.08	3.63	0.95	0.82	0.00	0.00	0.00	0.00	1.55	0.77	0.26	1.50	15.56
*Los Angeles	5.04	3.66	0.18	0.52	0.25	0.00	T.	0.08	1.22	0.55	1.08	1.46	13.74
Los Banos	1.86	1.22	0.45	0.08	0.14	0.00	0.00	0.00	0.00	0.20	0.82	1.04	5.81
Los Gatos	3.80	5.85	2.31	0.35	0.57	0.00	0.00	0.00	0.07	0.40	1.73	2.90	17.98
Los Vaqueros	5.71	2.99	0.69	0.35	0.33	0.00	0.00	T.	0.66	0.08	1.02	2.03	13.86
Lowe Observatory	6.84	5.56	1.02	1.90	0.95	0.00	0.00	0.00	2.48	0.80	0.75	2.13	22.43
Lytle Creek	16.68	8.13	1.49	2.32	1.31	0.00	0.00	0.00	1.09	1.96	1.24	2.57	36.79
Madeline	.....	.....	.....	.....	.....	.....	.....	.....	0.99	2.92	0.87	0.68	.....
Magalia	10.31	8.42	3.10	1.82	6.21	0.42	T.	0.00	0.74	3.07	4.96	5.91	44.96
Mammoth Tank	0.44	1.05	0.02	T.	0.00	0.00	0.03	2.00	0.00	0.00	0.00	0.72	4.26
Mariposa	.....	.....	.....	.....	.....	.....	.....	.....	0.22	0.95	1.97	1.48	.....
Marysville	3.92	3.55	0.79	0.05	1.60	0.00	0.00	0.00	T.	0.13	1.83	3.13	15.00
Mecca	0.77	0.72	0.00	0.00	0.00	0.00	T.	0.45	0.31	0.00	0.00	0.08	2.33
Melones	4.22	1.78	1.52	0.86	2.12	0.00	T.	0.00	0.03	1.35	1.46	2.42	15.76
Mendota	1.47	1.14	0.23	0.37	0.26	0.00	T.	0.00	T.	0.01	0.28	.....	.....
Menlo Park	2.54	3.11	1.36	0.18	0.33	0.00	0.00	0.00	0.00	0.45	1.17	2.73	11.87
Merced	2.63	1.11	0.34	0.44	0.94	0.00	0.00	0.00	0.48	0.30	1.32	0.89	8.45
Merced Falls	3.39	1.92	0.74	0.57	1.47	0.00	0.00	0.00	0.59	0.80	0.99	0.86	11.33
Mesa Grande	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.03	1.25	1.41	.....
Mill Creek[1]	4.33	2.58	1.84	0.95	3.23	0.11	0.00	0.00	0.93	2.76	3.10	2.41	22.24
Mill Creek[2]	6.77	4.10	2.92	1.71	0.81	0.03	0.17	0.38	2.37	1.93	0.26	0.99	22.44
Mills College	4.45	4.51	1.25	0.47	1.06	0.00	0.00	0.00	0.16	0.88	2.03	2.11	16.92
Milo	3.21	5.15	0.66	1.70	1.34	0.00	0.00	0.00	1.42	0.44	1.23	0.40	15.55
Milton (near)	3.67	2.97	0.36	0.18	1.37	0.00	0.00	0.00	0.40	0.55	1.46	1.92	12.88
Modesto	3.99	1.18	0.71	0.00	0.33	0.00	0.00	0.00	0.12	0.19	0.89	0.95	8.36
Mojave	1.25	.....	0.00	0.49	T.	0.00	T.	0.00	0.87	0.00	T.	0.62	.....
Mokelumne Hill	4.60	3.17	1.19	0.47	2.58	T.	0.00	0.00	0.35	1.32	2.03	1.91	17.62
Mono Ranch	11.06	7.24	0.60	0.68	0.24	0.00	T.	0.10	2.20	0.08	1.07	1.96	25.23
Montague	1.41	1.43	0.40	0.77	1.10	0.32	0.00	T.	0.29	2.72	0.98	0.75	10.17
Monterey	4.56	2.78	1.06	0.25	0.56	0.00	0.00	0.00	0.00	0.66	1.37	0.97	12.21
Monterio	3.10	3.00	0.48	1.10	1.52	0.00	0.65	0.10	0.94	1.02	1.50	.....	.....
Montgomery Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.33	5.68	4.97	.....
Monumental	9.34	14.99	6.33	5.28	7.95	2.46	0.03	0.25	0.53	16.17	12.82	12.44	88.59
Mountain View	1.96	3.31	1.33	0.16	0.37	.....	.....	.....	.....	.....	.....	.....	.....
Mount Hebron	0.89	0.80	0.55	0.70	1.28	0.60	0.00	0.02	0.12	1.42	0.95	0.58	7.91
*Mount Tamalpais	7.65	5.70	1.19	0.59	1.44	0.34	0.00	0.00	0.02	1.68	2.65	3.87	25.13
Mount St. Helena	7.66	6.85	1.19	1.01	1.94	0.25	0.00	0.00	0.00	3.24	4.07	4.39	30.60
Napa City	4.64	4.65	0.69	0.23	0.40	0.11	0.00	0.00	T.	0.68	2.44	2.88	16.72
Napa (S. H.)	4.15	3.96	0.80	0.14	0.75	0.03	0.00	0.00	0.00	0.37	2.25	2.43	14.88
Needles	.....	0.00	0.00	.....	.....	0.00	0.01	0.01	1.47	0.53	0.00	0.47	.....
Nevada City	6.84	5.42	3.50	0.98	4.51	0.21	T.	T.	0.29	3.29	2.61	3.84	31.49
Newcastle	4.75	3.19	1.06	0.60	2.73	0.10	0.00	0.00	0.12	1.80	1.89	3.66	19.90
Newhall	6.36	4.22	0.18	0.67	0.45	0.00	0.00	0.15	1.52	0.31	0.61	2.49	16.96
Newman	2.91	0.92	0.45	0.03	0.32	0.00	0.00	0.00	T.	0.00	0.67	0.96	6.26
Nimshew	11.09	9.33	2.15	1.85	4.71	0.18	T.	0.00	0.45	3.65	6.06	5.35	44.82
North Bloomfield	6.99	4.68	3.17	1.23	6.40	0.41	T.	0.00	0.38	3.36	2.94	4.55	34.11
North Fork	4.02	4.96	1.19	1.23	2.51	0.00	0.02	0.00	0.46	1.04	1.96	1.16	18.55
North Lakeport	4.59	6.37	0.68	0.26	0.84	0.05	0.00	0.00	0.05	0.72	2.71	3.96	20.23
Oakdale	3.17	1.28	0.69	0.07	0.46	0.00	T.	0.00	0.21	0.20	1.15	1.19	8.42
Oakland	4.09	4.23	1.16	0.31	0.58	0.00	0.00	0.00	0.13	0.68	1.48	1.97	14.63
Oakville	5.33	3.81	1.92	0.04	0.36	0.17	0.00	0.00	0.00	0.92	2.76	3.77	19.08
Ojai Valley	6.49	5.98	0.27	0.63	0.31	0.00	T.	T.	1.47	0.24	1.49	1.33	18.21
Orland	3.31	5.87	0.27	0.17	0.27	0.00	T.	0.00	0.02	0.06	1.21	3.11	14.29
Orleans	6.46	5.34	1.48	1.17	3.90	0.52	0.00	0.00	0.31	6.14	5.31	4.36	34.99
Oroville	7.74	2.73	0.23	0.36	1.68	0.00	0.00	0.00	0.10	0.45	1.94	3.60	18.83
Ozena	4.80	5.30	0.10	0.35	0.20	0.00	0.10	0.25	1.94	0.10	1.70	1.67	16.51
Palermo	5.07	4.48	0.30	0.25	2.04	0.00	T.	0.00	0.13	0.68	2.02	2.60	18.17
Palm Springs	0.51	0.88	0.00	0.00	0.00	0.00	T.	0.45	1.22	0.40	0.01	0.03	3.50
Parkfield	4.58	3.15	0.38	0.63	0.18	0.00	0.00	0.00	0.81	0.46	1.60	1.65	13.44
Pasadena	.....	.....	.....	.....	T.	0.00	0.00	0.02	1.94	0.26	0.82	1.58	.....
Paso Robles	5.40	3.28	0.40	0.25	0.05	0.00	0.00	0.00	0.67	0.25	0.90	1.77	12.97
Peachland	7.48	6.72	1.57	0.34	1.21	0.30	0.01	0.01	T.	1.42	3.68	5.23	27.97
Penstock Camp	3.59	3.47	2.47	0.88	2.34	0.00	0.00	0.00	1.00	3.11	2.65	2.41	21.92
Pilot Creek	8.32	5.01	4.60	1.86	7.26	0.94	0.00	0.00	0.39	4.83	4.41	4.34	41.96
Pine Crest	6.32	8.02	0.24	0.45	0.28	0.00	0.00	0.00	1.22	0.25	1.76	2.97	21.51
Pittville	.....	.....	.....	.....	.....	.....	0.03	0.00	T.	0.90	1.50	0.80	.....
Placerville	5.55	3.20	2.08	0.83	4.39	0.40	T.	0.00	0.80	1.62	2.09	3.51	24.47
Point Lobos	3.58	4.29	1.20	0.14	0.78	0.01	0.01	0.01	0.09	0.53	1.20	1.85	13.69
Point Loma	3.05	2.29	0.53	0.28	0.10	T.	0.04	1.26	0.38	0.47	1.03	0.42	9.85
*Point Reyes Light	4.85	3.38	0.36	0.18	0.49	0.02	0.00	0.00	0.20	0.61	1.95	2.72	14.76
Pollasky	2.93	1.70	0.96	0.86	0.52	0.00	0.00	0.00	0.25	0.00	0.90	0.98	9.10
Porterville	2.33	4.81	0.12	0.09	1.09	0.00	0.00	0.00	1.34	0.35	0.75	0.53	11.41
Poway	3.95	3.56	1.09	0.75	0.44	0.00	0.08	0.47	0.30	0.48	1.23	0.85	13.20
Priest Valley	5.29	3.18	0.72	0.78	0.00	0.00	0.00	0.00	0.21	0.48	1.40	1.80	13.86
Quincy	6.25	4.17	4.52	0.70	6.07	0.82	0.05	T.	0.37	3.45	3.18	2.79	32.37

[1] Amador County. [2] San Bernardino County.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
California—Continued.													
*Red Bluff	5.35	6.03	0.91	0.12	1.05	T.	T.	0.00	0.01	0.18	1.63	2.64	17.92
Redding	8.39	8.11	0.92	1.78	3.84	0.34	T.	0.00	0.15	2.27	3.79	3.26	32.85
Redlands	4.44	3.12	1.56	0.52	0.30	0.04	T.	0.22	1.31	0.96	0.02	0.98	13.47
Reedley	1.76	2.95	0.12	0.55	0.73	0.00	0.00	0.00	T.	0.00	0.45	0.45	7.01
Represa	4.92	3.33	0.96	0.33	1.50	0.14	0.00	0.00	0.04	1.18	1.53	3.85	17.78
Rialto (near)	8.07	6.24	3.79	1.85	0.92	0.00	0.00	T.	1.69	3.06	0.84	2.06	28.52
Rio Vista	3.81	2.46	0.24	0.18	0.44	0.00	0.00	0.00	0.00	0.45	1.16	1.46	10.20
Riverside	3.93	2.77	0.92	0.28	0.21	0.00	0.10	0.02	0.77	0.59	0.11	0.65	10.35
Rocklin	4.28	2.88	1.14	0.35	1.45	0.00	T.	0.00	0.02	1.06	1.69	2.59	15.46
Rohnerville	7.45	5.58	2.87	0.59	2.45	0.41	0.00	T.	0.09	2.98	4.16	3.59	30.17
*Sacramento	3.84	2.75	0.42	0.08	0.54	T.	T.	0.00	0.05	0.26	1.23	2.04	11.21
Sacramento	4.66	3.25	0.58	0.11	0.77	0.00	0.00	0.00	0.06	0.43	1.69	2.22	13.77
St. Helena	5.52	5.62	1.73	0.10	0.84	0.10	0.00	0.00	0.00	1.22	2.73	4.68	22.54
Salinas	2.73	1.78	1.34	0.18	0.25	0.00	0.00	0.00	0.15	0.25	1.96	1.20	9.84
San Bernardino	4.71	4.20	2.03	0.53	0.31	0.02	0.05	0.00	1.11	1.45	0.26	0.66	15.33
*San Diego	2.80	2.41	0.61	0.35	0.16	0.00	0.00	0.64	0.20	0.15	1.00	0.27	8.59
*San Francisco	4.88	5.39	0.90	0.22	0.76	0.01	0.02	0.01	0.13	0.61	1.34	2.15	16.42
San Jacinto	3.81	2.92	1.61	0.35	0.00	0.00	0.17	0.45	0.45	0.91	0.20	0.58	11.45
*San Jose	2.36	2.46	1.14	0.23	0.67	0.01	0.00	0.00	0.09	0.19	1.11	1.54	9.80
San Leandro	.....	.....	.....	.....	0.74	T.	0.00	0.00	0.28	0.65	2.01	2.00	.....
*San Louis Obispo	6.69	3.59	0.79	0.14	0.21	0.00	0.00	0.00	0.84	0.59	0.73	1.68	15.26
San Mateo	2.83	3.02	1.49	0.42	0.39	0.00	0.00	0.00	0.15	0.29	1.44	1.98	12.01
San Miguel	4.99	2.00	0.22	0.61	0.06	0.00	0.00	0.00	0.14	0.14	0.77	1.34	10.27
San Miguel Island	3.55	5.14	0.20	0.34	0.34	0.00	0.00	0.00	0.96	0.20	0.00	.....	.....
Sanger	1.14	2.46	0.34	0.67	0.30	0.00	0.00	0.00	0.62	0.20	1.00	0.28	7.01
Santa Ana River	9.03	5.97	3.17	2.09	4.25	0.00	0.10	0.21	2.07	0.62	0.87	1.54	29.92
Santa Barbara	4.29	5.96	0.21	0.49	0.20	0.00	0.00	0.00	1.16	0.20	1.84	2.48	16.83
Santa Clara	2.82	2.74	1.35	0.24	0.61	0.00	0.00	0.00	0.13	0.16	1.02	1.69	10.76
Santa Cruz	6.55	4.85	2.35	0.40	0.42	0.00	0.00	0.00	0.25	1.41	2.04	3.95	22.22
Santa Margarita	9.58	3.95	1.95	0.07	0.40	0.00	0.00	0.00	0.05	0.12	0.70	3.04	19.86
Santa Maria	3.98	3.76	0.35	0.26	0.18	0.00	0.00	0.00	1.03	0.52	0.97	0.61	11.66
Santa Monica	4.31	3.72	0.08	0.64	0.21	0.00	0.00	0.00	0.13	T.	1.68	1.53	12.30
Santa Rosa	5.61	4.88	1.45	0.30	0.85	0.08	0.02	0.00	T.	1.37	2.12	4.00	20.68
Sausalito	5.95	3.50	0.68	0.17	0.65	0.09	0.00	0.00	0.10	1.55	2.02	2.27	16.98
Selma	2.00	2.43	0.37	0.88	0.50	0.00	0.00	0.00	0.34	0.22	0.60	0.46	7.80
Shasta	9.34	7.93	0.32	3.73	2.82	0.27	0.04	0.00	T.	2.79	3.78	5.28	36.30
Shingle Springs	4.51	2.75	1.35	0.55	2.90	0.00	0.00	0.00	0.40	2.08	1.78	2.25	18.57
Sierra Madre	7.05	5.72	1.00	1.47	0.58	0.00	T.	T.	3.67	0.60	0.70	2.03	22.82
Sisquoc Ranch	4.97	4.18	0.34	0.32	0.00	0.00	0.00	0.00	1.90	1.13	1.25	1.66	15.75
Sisson	7.64	11.43	0.60	0.95	2.73	0.10	0.00	0.00	0.00	2.50	2.62	2.08	30.65
Soledad	2.96	2.03	0.76	0.39	0.00	0.00	0.00	0.00	0.13	0.08	0.96	0.82	8.13
*Southeast Farallon	4.30	4.79	0.42	0.10	0.60	0.02	0.00	0.00	0.07	0.25	1.57	2.78	14.90
Sonora	.....	.....	.....	.....	2.23	0.00	T.	T.	0.30	2.25	1.85	1.35	.....
Spreckels	2.65	2.70	0.85	0.18	0.32	0.04	0.00	0.00	0.09	0.24	2.12	0.86	10.05
Stirling City	7.02	5.71	1.45	1.40	4.47	0.20	0.00	0.00	0.30	3.60	4.84	4.57	33.56
Stockton (S. H.)	4.00	1.36	0.50	0.12	0.78	0.00	0.00	0.00	0.19	0.39	1.20	1.30	9.84
Storey	2.35	2.20	1.04	0.52	0.32	0.00	T.	0.00	0.00	0.00	0.97	0.72	8.12
Suisun	3.51	3.36	0.94	0.17	0.05	T.	0.00	0.00	0.00	0.22	1.46	2.70	12.41
Summerdale	5.39	6.39	.....	1.75	3.50	0.00	0.01	0.00	1.04	1.85	2.36	3.24	.....
Summit	3.50	4.50	10.20	1.14	3.70	0.44	0.00	0.76	1.20	1.54	3.60	2.70	33.28
Susanville	1.39	1.62	0.74	0.10	1.68	0.44	0.17	0.13	0.99	1.36	1.29	1.25	11.16
Tamarack	8.58	6.21	4.51	0.18	5.39	0.52	0.70	0.28	1.76	3.71	3.46	2.28	37.58
Tehachapi	1.05	1.99	0.20	0.60	0.16	.....	.....	.....	0.79	0.43	0.75	0.53	.....
Tehama	4.69	7.05	0.81	0.03	1.37	0.00	0.00	0.00	T.	0.19	1.16	2.85	18.15
Towle	8.32	3.60	3.40	2.36	5.75	0.87	0.00	0.00	0.97	3.34	3.48	4.60	36.69
Tracy	2.60	1.02	0.42	0.05	0.45	0.00	0.00	0.00	0.00	0.16	0.85	1.73	7.28
Truckee	1.50	2.58	3.90	T.	1.95	1.05	0.20	0.23	0.70	0.56	0.94	1.00	14.61
Tulare	1.37	4.17	0.04	0.30	0.14	0.00	0.41	0.00	0.83	0.29	0.68	0.30	8.53
Tulare (near)	1.34	4.99	0.03	0.18	0.59	0.00	0.25	0.00	0.64	0.42	0.63	0.43	9.50
Tustin (near)	3.51	2.53	0.66	0.43	0.08	0.00	0.00	0.10	1.32	0.25	0.74	0.41	10.03
Ukiah	5.60	7.12	1.83	0.29	1.53	0.20	0.00	0.00	0.43	1.34	3.55	4.13	26.02
Upland	7.15	4.35	1.40	1.32	0.60	0.00	T.	0.00	1.86	1.03	0.36	1.27	19.34
Upper Lake	4.91	4.97	1.56	0.48	1.10	0.02	0.00	0.00	0.29	0.92	2.79	2.90	19.94
Upper Mattole	13.82	9.47	3.72	1.05	5.78	0.90	0.00	0.01	0.03	7.34	9.36	10.45	61.93
Vacaville	4.11	3.20	0.37	0.13	0.50	0.00	0.00	0.00	T.	0.84	2.02	3.16	14.33
Valley Springs	4.00	2.16	1.20	0.31	1.77	0.00	0.00	0.00	0.49	0.75	1.75	1.80	14.23
Ventura	4.49	5.74	0.00	0.52	0.34	0.00	0.00	0.00	1.87	0.06	2.15	2.18	17.35
*Visalia	1.66	4.77	0.13	0.54	0.22	0.00	0.00	0.00	0.53	0.10	0.87	0.34	9.16
Warner Springs	3.95	3.61	1.37	0.60	0.39	0.00	0.16	2.11	0.81	0.80	0.49	0.76	15.05
Wasco	1.20	2.40	0.00	1.27	0.14	0.00	0.00	0.00	1.02	0.00	0.56	0.00	6.59
Watsonville	2.87	1.90	0.84	0.52	0.49	0.04	0.00	0.00	0.16	0.68	2.20	3.24	12.94
West Branch	11.35	9.04	3.96	2.11	5.17	0.69	T.	0.00	0.50	5.74	6.27	5.02	49.85
Westley	3.05	1.08	0.49	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.54	1.19	7.02
West Point	4.02	3.18	1.74	1.16	3.49	0.07	T.	0.00	0.69	2.10	2.69	2.12	21.26
West Satlcoy	4.84	4.50	0.33	0.78	0.38	0.00	0.00	T.	1.10	0.00	1.87	1.85	15.65
Wheatland	4.31	3.39	0.95	0.22	1.72	T.	T.	0.00	0.03	0.40	1.69	2.30	15.01
Willows	2.82	5.92	0.48	0.11	0.32	T.	T.	0.00	0.03	0.06	1.78	2.84	14.36
Woodland	3.54	2.60	0.50	0.01	0.30	0.00	0.00	0.00	0.00	0.00	1.69	2.76	11.40
Woodleaf	8.67	6.97	3.05	1.84	6.70	.....	.....	0.00	0.20	5.09	6.75	5.28	.....
Yosemite	2.53	2.23	1.21	0.67	2.28	0.32	0.02	0.05	1.48	2.26	2.27	1.96	17.28
Colorado.													
Akron	0.00	0.34	T.	1.70	3.57	2.33	3.40	1.62	0.22	3.20	2.00	T.	18.38
Amethyst	0.10	1.40	2.65	1.16	0.90	0.87	1.72	2.49	0.09	.....	0.76	3.18	.....
Arriba	0.05	0.35	T.	T.	2.47	1.88	3.27	1.52	0.30	3.75	1.75	0.40	15.74
Ashcroft	0.84	1.36	1.68	1.92	1.87	1.02	1.58	2.73	1.19	1.92	0.75	1.39	18.25
Barker	0.42	0.16	0.24	0.74	3.72	0.45	3.26	2.39	1.41	1.76	1.55	0.81	16.91
Blaine	T.	0.91	T.	0.97	0.38	1.65	1.87	1.42	0.23	1.40	0.60	0.04	9.47
Boulder	0.60	0.09	0.23	0.71	3.45	0.29	2.07	3.30	1.55	2.59	1.96	1.04	17.88
Breckenridge	1.06	0.23	0.73	4.27	1.84	1.03	1.91	2.07	3.35	2.74	0.77	1.60	21.60
Buena Vista	T.	0.50	.....	0.67	1.26	0.00	3.80	2.43	0.00	.....	0.95	T.	.....
Burlington	.....	.....	.....	.....	.....	.....	.....	1.02	0.66	4.25	2.02	0.20	.....
Calhan	0.10	0.65	0.12	0.35	2.64	0.80	3.26	1.98	0.97	0.56	1.65	0.16	13.24
Canon City	0.22	0.00	0.40	0.05	1.87	0.00	2.18	3.95	0.80	0.30	1.57	0.58	11.72
Cascade	1.60	3.97	4.21	2.56	1.93	0.37	1.96	5.64	1.72	3.82	1.24	5.02	34.04
Castle Rock	0.69	0.80	0.20	0.45	2.32	0.39	2.32	2.66	0.50	1.40	1.92	0.59	14.24

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Colorado—Continued.													
Cheesman	0.14	0.11	0.15	0.32	2.06	0.49	1.62	2.61	0.74	1.05	1.24	0.40	10.93
Cheyenne Wells	T.	0.57	T.	0.03	1.56	1.50	4.88	2.69	T.	4.75	1.45	0.10	17.53
Chromo	0.81	2.95	.....	1.18	1.07	0.60	3.96	.....	1.06	0.95	1.75	2.48	.....
Collbran	1.30	0.55	.....	.....	2.09	0.59	1.34	2.13	1.29	3.22	0.79	1.55	.....
Cripple Creek	0.43	0.35	0.48	0.30	1.57	0.13	3.51	3.40	0.81	0.46	0.26	0.31	12.01
Colorado Springs	0.39	0.39	0.27	0.27	3.52	0.48	3.30	3.65	0.61	1.48	0.86	0.25	15.47
Cope	0.10	0.70	0.65	0.66	4.32	3.90	6.07	3.58	0.86	4.37	3.98	0.66	29.85
Corona	3.60	2.53	3.64	4.27	6.53	0.59	1.78	3.46	2.65	4.92	2.42	4.08	40.47
Delta	0.24	0.56	0.16	0.35	1.12	0.27	0.95	1.49	0.52	1.90	0.57	1.18	9.31
*Denver	0.53	0.04	0.11	0.39	2.82	1.68	2.09	3.19	0.80	1.90	1.74	0.63	15.92
Dolores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.15	7.52	.....
Dunkley	2.21	2.49	0.77	1.35	2.18	0.77	2.89	1.50	1.63	2.40	1.08	1.71	20.98
*Durango	1.48	3.98	1.15	1.90	1.68	0.24	2.39	3.99	0.77	1.65	1.13	3.64	24.00
Eads	0.01	1.40	0.00	0.00	3.72	1.65	4.53	1.90	0.46	5.95	0.46	0.12	20.20
Eagle	0.59	0.55	0.76	0.52	.....	0.24	0.79	2.11	0.86	1.69	.....	1.61	.....
Edgewater	.....	.....	.....	.....	.....	0.85	4.99	3.11	2.61	2.13	2.74	1.10	.....
Eureka	1.87	3.14	2.30	1.26	2.37	1.95	2.54	4.96	1.85	2.76	1.43	2.42	28.85
Fort Collins	0.11	0.03	0.28	0.05	5.83	1.16	3.66	2.12	0.52	1.80	1.06	0.60	17.22
Fort Morgan	T.	0.18	0.09	1.45	3.19	2.03	2.84	2.67	0.25	1.71	1.18	0.57	16.16
Frances	0.89	0.28	0.73	1.71	3.08	0.92	3.32	3.07	1.48	2.90	1.55	1.72	21.65
Fraser	.....	.....	.....	.....	.....	.....	2.25	2.07	1.25	2.60	2.05	2.49	.....
Fruita	0.45	0.52	0.34	0.23	0.99	0.22	1.25	0.97	0.33	3.91	0.17	1.55	10.93
Garnett	0.19	0.35	0.20	0.24	0.79	0.58	0.23	0.94	0.10	0.30	0.87	0.10	4.89
Georgetown	.....	.....	.....	.....	.....	.....	.....	1.47	0.88	1.62	0.69	0.55	.....
Gladstone	1.16	3.39	3.86	5.09	0.99	1.37	2.89	4.54	1.71	2.29	1.24	5.92	34.45
Glen Eyrie	0.53	0.53	0.20	0.20	3.18	0.30	5.19	5.10	0.56	2.26	0.77	0.11	18.93
Glenwood Springs	1.43	0.50	0.58	1.08	1.16	0.63	T.	1.17	0.38	1.77	0.30	1.34	10.34
Grandlake	1.19	0.54	0.70	.....	.....	.....	.....	.....	0.71	0.20	.....	1.75	.....
*Grand Junction	0.43	0.71	0.14	0.48	0.56	0.62	0.87	0.86	0.65	3.43	0.27	1.21	10.23
Grand Valley	1.12	1.16	1.01	1.12	1.97	0.84	0.51	2.18	1.22	2.65	0.43	1.94	16.15
Greeley	.....	0.11	0.25	0.10	5.25	1.24	1.65	1.82	0.52	1.14	1.05	0.47	.....
Gunnison	0.49	0.65	0.90	0.21	0.39	0.82	1.14	2.05	0.31	0.31	0.39	0.65	8.31
Hahns Peak	0.72	1.10	1.49	0.54	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hamps	0.14	0.45	0.02	0.03	1.32	1.03	1.55	1.44	0.05	2.36	0.84	0.14	9.37
Hawthorn	.....	.....	.....	.....	.....	.....	.....	.....	1.49	2.19	2.00	0.88	.....
Hoehne	0.30	1.55	0.35	1.41	0.55	0.21	2.66	1.62	0.29	1.12	1.11	0.05	11.22
Holly	0.09	0.68	0.20	0.56	0.80	1.18	3.10	1.38	0.14	0.70	1.20	0.03	10.06
Holyoke	0.02	T.	.....	0.24	4.45	4.33	2.90	3.24	0.12	4.07	0.98	0.36	.....
Hudson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.50	.....	.....
Idaho Springs	0.18	0.05	0.25	1.10	3.25	0.22	3.04	2.09	1.97	2.97	0.70	0.50	16.32
Kossler Camp	0.35	0.17	0.35	0.87	4.16	0.57	4.34	3.68	1.24	2.89	2.72	0.65	21.99
Kremmling	0.88	0.59	0.98	1.27	2.43	0.78	1.01	2.10	0.73	1.96	0.10	2.15	14.98
Lake City	0.10	1.00	1.69	0.99	0.35	0.37	1.96	2.51	1.01	1.21	0.43	1.08	12.70
Lake Moraine	0.74	1.33	1.50	1.72	.....	0.66	5.30	5.10	1.25	1.78	1.37	0.95	.....
Lamar	0.20	1.47	0.30	0.93	0.55	1.42	4.24	3.31	0.27	3.87	1.31	0.27	18.14
La Porte	0.10	0.10	0.23	0.05	6.15	0.54	3.86	3.55	0.30	1.64	1.63	0.61	18.76
Las Animas	0.10	0.60	0.00	0.20	1.80	1.50	2.00	1.51	.....	2.06	1.72	0.00	.....
Lay	0.42	0.49	1.15	0.66	1.81	0.94	0.80	1.44	0.63	2.31	0.20	1.25	12.10
*Leadville	0.68	0.58	1.14	1.41	2.37	0.90	1.65	1.48	0.63	0.73	0.50	1.31	13.43
Leroy	0.08	0.23	0.18	1.68	4.34	3.52	5.72	3.65	0.16	3.76	1.86	0.05	25.23
Limon	T.	0.84	T.	0.07	1.71	0.68	1.68	1.77	0.06	2.08	0.45	0.25	9.59
Longs Peak	0.71	0.18	1.14	0.61	1.95	1.75	3.69	4.00	0.90	1.41	1.28	0.82	18.44
Lujane	0.15	1.05	0.32	1.32	1.97	0.36	1.95	2.94	0.60	1.17	0.51	1.30	13.64
Manassa	T.	0.67	0.66	.....	0.26	T.	.....	2.34	0.27	.....	0.38	0.10	.....
Mancos	0.96	2.08	0.85	2.11	1.83	0.03	1.09	5.37	0.91	1.69	0.96	3.02	20.90
Meeker	0.59	0.56	0.82	1.01	1.69	1.07	1.90	1.55	1.33	3.02	0.78	1.98	16.30
Montrose	.....	0.38	0.10	0.54	1.19	0.40	0.55	2.59	0.41	1.19	0.59	1.78	.....
Moraine	0.16	0.08	0.60	0.41	1.79	.....	.....	.....	.....	.....	.....	.....	.....
Pagoda	.....	0.85	1.19	1.63	1.64	0.84	1.19	0.84	1.82	3.93	.....	1.50	.....
Pagoso Springs	1.28	3.18	0.97	1.22	1.41	0.58	2.56	3.72	0.58	1.80	1.13	3.24	21.67
Paonia	0.90	1.55	0.72	1.46	1.91	0.32	0.72	3.33	1.06	2.78	0.96	2.17	17.88
Platte Cañon	0.50	0.20	0.18	0.43	2.32	0.90	1.98	2.75	0.68	1.42	1.68	0.64	13.68
*Pueblo	0.18	0.69	0.18	0.05	0.97	0.08	0.92	1.67	0.15	0.58	0.64	0.03	6.14
Rangely	0.77	2.51	1.90	0.28	2.67	0.92	0.26	2.52	1.50	2.67	0.72	1.21	17.93
River Portal	0.31	0.94	0.44	1.06	2.31	0.40	2.03	2.82	1.11	2.16	1.22	1.91	16.71
Rocky Ford (near)	0.18	0.35	T.	0.14	0.89	1.16	2.65	2.89	0.00	1.96	0.86	0.04	11.12
Saguache	0.05	0.87	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salida	0.20	0.87	0.57	0.25	1.15	0.30	0.70	2.11	0.34	2.00	1.50	0.20	10.19
San Luis	0.50	1.00	0.25	0.64	0.68	0.14	3.17	2.73	0.80	0.11	0.56	0.49	11.07
Santa Clara	.....	1.73	0.82	2.19	1.11	0.88	3.84	6.77	1.37	1.35	1.35	0.19	.....
Sapinero	0.96	1.54	1.36	1.65	2.07	0.75	1.07	2.82	1.81	1.81	1.28	2.01	19.13
Sedgwick	.....	.....	.....	.....	.....	.....	.....	2.03	T.	5.36	2.21	0.44	.....
Sheridan Lake	T.	1.25	0.10	0.12	2.31	1.92	2.51	0.90	T.	2.07	1.50	T.	12.68
Silverton (1)	1.11	3.96	3.91	2.30	0.94	1.08	2.48	3.24	1.54	3.33	1.78	4.95	30.62
Silverton (2)	1.23	2.68	2.20	1.73	0.61	0.84	2.28	3.90	1.77	2.73	0.58	4.95	25.60
Steamboat Springs	.....	.....	.....	.....	.....	.....	.....	.....	1.40	5.97	0.70	2.97	.....
Stonewall	0.20	0.44	0.36	1.89	0.31	0.48	6.26	2.57	0.37	0.92	0.60	0.10	14.50
Tacoma (Power House)	0.98	2.36	2.05	1.10	1.25	T.	0.98	4.01	0.72	1.47	1.73	4.49	21.14
Terminal Dam	1.42	2.92	2.46	1.78	1.56	0.23	2.19	3.61	0.97	1.80	1.36	4.23	24.53
Trinidad	0.50	.....	0.20	1.63	0.40	.....	.....	.....	.....	.....	.....	.....	.....
Victor	0.21	0.31	0.58	0.25	1.98	0.32	4.47	4.99	1.14	0.50	0.59	0.46	15.80
Vilas	T.	0.29	T.	1.81	0.56	2.57	4.33	1.66	0.93	1.70	0.72	T.	14.57
Wagon Wheel Gap	0.05	1.80	2.22	0.30	.....	0.10	0.29	0.26	0.06	0.41	0.82	3.20	.....
Waterdale	0.21	0.04	0.15	0.36	4.35	1.19	3.23	3.52	1.07	2.17	1.26	0.70	18.25
Westcliffe	.....	.....	1.04	0.23	1.56	0.01	4.08	1.59	0.72	0.05	0.96	0.37	.....
Westlake	.....	.....	.....	.....	.....	.....	.....	1.78	0.71	1.51	1.46	0.81	.....
Whitepine	1.15	1.71	1.02	2.23	0.80	0.67	2.05	2.20	0.40	1.40	1.03	0.82	15.48
Wray	0.13	0.52	0.06	0.30	3.27	3.52	3.39	2.14	0.28	4.53	1.89	T.	20.03
Yuma	0.02	0.08	0.02	1.16	2.21	3.96	5.64	3.51	0.15	5.00	2.02	T.	23.77
Connecticut.													
Bridgeport	3.72	6.23	3.39	2.22	6.25	0.71	5.13	9.32	1.01	1.54	1.00	3.73	44.25
Canton	4.08	6.04	3.11	3.17	5.69	2.16	3.87	3.03	1.62	2.34	0.82	3.20	39.13
Colchester	4.75	6.84	3.39	3.07	6.31	1.98	5.32	6.30	1.64	2.20	0.95	3.85	46.68
Cream Hill	3.95	5.23	2.84	2.10	4.20	2.45	6.65	5.29	1.30	1.99	0.92	3.34	40.26
Danielson	2.70	4.50	1.50	1.62	3.68	2.82	3.51	5.70	1.32	2.00	1.06	3.59	34.00

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Connecticut—Continued.													
*Hartford	3.47	4.98	3.06	2.36	6.52	2.42	5.74	6.74	1.12	1.67	0.92	3.36	42.46
Hawleyville	3.92	5.04	4.17	2.35	7.16	1.58	2.44	6.25	1.59	2.02	0.88	3.90	41.30
*New Haven	4.18	6.44	3.78	2.15	6.16	1.20	3.94	8.12	0.88	1.58	0.83	4.07	43.33
New London	4.96	5.84	4.20	2.05	4.09	1.82	3.11	7.82	1.57	3.76	0.32	4.38	43.92
North Grosvenor Dale	1.18	3.77	2.27	1.14	2.77	2.31	4.26	7.70	1.03	1.48	0.88	3.41	32.20
Norwalk	3.38	6.02	3.29	2.28	6.67	0.56	6.90	11.38	0.98	1.27	0.95	3.29	46.57
Southington	3.30	5.70	3.60	1.10	7.40	1.20	4.65	7.10	1.40	2.15	1.00	3.90	42.50
Storrs	3.26	5.20	3.94	1.56	6.54	2.42	5.37	5.91	1.45	1.84	0.80	3.69	41.98
Torrington	3.69	4.92	2.63	3.15	4.65	2.14	4.01	.....	1.78	1.52	0.33	3.17	.....
Voluntown	3.98	6.73	3.32	1.90	4.49	2.68	3.90	5.91	1.18	2.63	0.85	4.58	42.15
Waterbury	4.72	6.86	3.07	2.65	5.85	1.10	6.53	6.53	1.39	2.43	1.14	3.75	46.02
Delaware.													
*Delaware City	3.10	5.45	1.45	2.30	5.25	3.35	5.25	3.00	2.40	1.15	1.00	3.03	36.73
Dover	3.10	4.07	1.07	3.38	7.84	1.21	7.56	4.38	2.63	2.28	0.93	4.81	44.16
Milford	3.35	4.49	1.59	2.24	8.36	1.92	3.70	4.03	2.35	2.37	1.34	5.49	41.23
Millsboro	4.15	3.77	1.83	3.19	5.06	1.58	7.11	5.41	2.82	1.81	1.90	4.03	42.66
Newark	3.72	4.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Seaford	2.80	3.54	1.85	2.95	6.71	1.86	3.66	8.48	2.27	1.46	1.39	4.23	41.20
District of Columbia.													
*Washington	3.45	3.98	2.45	1.60	6.10	1.73	3.29	5.14	4.65	1.71	0.60	3.63	38.33
Florida.													
Apalachicola	5.11	2.91	0.26	.....	3.65	2.25	1.64	9.83	11.06	2.59	2.81	1.62	.....
Arcadia	1.94	1.48	1.79	1.02	2.48	8.03	5.26	18.24	15.67	5.87	1.29	0.55	63.62
Archer	.....	.....	0.23	1.05	1.97	6.65	7.74	5.08	7.66	1.94	0.68	0.23	.....
Avon Park	3.14	0.92	0.02	1.73	3.01	5.98	4.92	7.32	10.30	1.62	2.48	1.02	42.46
Bartow	5.19	1.40	0.02	1.96	0.36	7.16	4.93	8.92	13.72	1.67	2.44	1.12	48.89
Blountstown	.....	.....	.....	.....	4.20	2.78	.....	6.17	2.89	0.81	0.55	1.27	.....
Bonifay	4.65	5.74	3.62	10.09	2.41	3.24	9.33	2.20	3.81	1.11	0.72	1.26	48.18
Brooksville	3.54	1.51	0.10	2.58	0.57	7.92	5.38	7.80	9.62	1.73	2.48	0.21	43.44
Carrabelle	.....	.....	.....	2.60	2.84	4.74	7.08	7.71	6.18	0.60	.....	2.50	.....
Cedar Keys	4.70	1.98	0.23	0.66	1.72	7.81	7.03	15.80	3.52	0.47	0.99	0.34	45.25
Clermont	2.43	0.92	0.03	11.35	2.05	2.11	3.51	7.48	16.02	1.44	1.68	0.76	49.78
De Funiak Springs	5.99	6.11	.....	.....	.....	.....	.....	.....	5.66	1.88	0.53	1.29	.....
De Land	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.15	0.92	.....
Eustis	1.67	2.34	0.02	5.99	2.17	4.39	5.01	5.73	11.39	1.88	1.52	0.87	42.98
Federal Point	2.72	2.09	0.34	2.86	2.38	6.01	8.34	4.76	11.31	3.10	0.74	0.89	45.54
Fenholloway	3.19	2.77	0.00	2.47	3.36	3.49	9.24	11.07	3.13	1.00	0.89	1.33	41.94
Fernandina	2.65	2.26	0.62	8.52	2.56	2.01	16.79	1.93	15.89	1.28	1.03	0.63	56.17
Flamingo	1.67	1.81	0.71	5.73	1.26	10.92	5.71	12.67	5.01	.....	.....	.....	.....
Fort Meade	3.20	1.59	0.33	1.80	2.09	6.60	5.73	9.83	11.20	2.18	1.84	0.18	46.57
Fort Myers	1.66	0.94	0.55	1.31	4.25	7.41	6.43	9.14	12.91	3.14	0.33	0.46	48.69
Fort Pierce	1.10	1.28	0.33	2.92	2.44	5.93	9.10	7.51	15.44	10.05	6.45	0.45	63.00
*Gainesville	3.28	2.95	0.16	1.66	1.78	8.95	6.28	5.31	9.62	2.38	0.65	0.10	43.12
Galt	6.15	4.70	3.73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grasmere	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.15	1.40	.....
Hilliard	.....	.....	.....	.....	.....	.....	.....	.....	15.50	0.95	0.79	0.94	.....
Huntington	1.96	2.11	0.40	2.60	0.55	4.14	4.89	7.20	14.10	2.54	2.53	1.12	44.14
Hypoluxo	6.26	0.79	0.59	2.19	2.86	7.06	8.09	5.33	5.17	19.67	10.38	1.68	70.07
Inverness	2.95	1.64	0.47	1.37	1.42	8.01	5.10	7.73	11.03	1.22	4.14	1.20	46.28
*Jacksonville	2.24	2.98	1.16	2.93	3.07	4.35	9.68	2.90	21.79	2.97	0.47	0.90	55.44
Jasper	2.12	3.17	0.52	4.00	3.33	8.06	7.55	2.15	3.50	1.09	0.00	.....	.....
Johnstown	2.25	1.10	0.15	0.85	1.73	10.84	7.59	.....	8.25	1.00	.....	0.42	.....
*Jupiter	4.04	1.96	0.67	0.99	3.05	9.75	4.27	9.20	5.72	20.43	8.96	1.38	70.42
*Key West	0.63	1.73	0.48	0.18	0.60	11.43	1.25	7.74	7.14	6.29	0.66	0.70	38.83
Kissimmee	3.81	1.46	0.26	6.13	3.08	4.32	4.74	9.40	8.48	2.18	2.36	0.64	46.86
*Lake City	3.47	3.17	0.40	3.33	2.13	3.43	4.85	2.55	4.39	0.55	0.35	1.21	29.83
Live Oak	.....	.....	.....	3.74	.....	.....	.....	.....	.....	.....	.....	.....	.....
Macclenny	3.03	2.65	0.61	1.85	3.53	5.35	7.37	1.11	7.44	2.69	0.31	1.91	37.85
*Madison	3.47	3.74	0.14	5.32	7.30	1.52	3.96	5.25	6.66	0.91	0.48	0.57	39.32
Malabar	2.21	0.70	0.06	4.00	5.46	7.85	3.43	8.57	19.96	4.24	4.85	1.44	62.77
Manatee	2.53	1.48	0.04	2.41	0.14	6.73	10.39	7.40	13.41	1.83	1.78	0.30	48.44
*Marianna	.....	.....	.....	.....	3.25	5.32	4.42	3.45	3.27	0.16	0.00	0.43	.....
Merritts Island	3.12	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.42	2.46	.....
Miami	3.46	0.97	1.66	2.63	8.53	13.75	5.21	7.76	11.02	27.86	1.65	0.86	85.36
Middleburg	2.02	2.34	0.36	3.35	2.43	4.52	11.18	2.36	16.66	1.08	.....	.....	.....
Molino	7.40	4.91	5.01	6.04	3.99	7.67	6.53	5.01	7.91	T.	1.99	2.08	58.54
Monticello	4.31	3.82	0.55	6.90	4.54	3.91	11.51	5.25	5.21	0.54	0.51	1.20	48.25
Mount Pleasant	4.61	5.06	2.48	4.87	1.46	2.04	7.14	4.98	3.82	0.70	T.	1.16	38.32
Newport	2.51	1.45	T.	5.52	2.11	.....	3.60	7.79	0.51	0.81	0.01	0.90	.....
New Smyrna	2.42	1.46	0.32	3.31	3.09	5.99	7.62	6.10	21.49	8.10	1.60	2.30	63.80
Ocala	.....	2.58	0.26	1.55	2.03	5.27	9.11	.....	7.67	1.32	1.66	0.95	.....
Orange City	4.38	1.38	0.07	4.91	2.10	4.86	6.27	9.00	14.10	4.09	2.16	0.92	54.24
Orlando	3.57	1.56	0.25	3.74	5.50	4.84	7.03	7.04	9.94	3.18	2.31	0.68	49.64
Panasoffkee	3.01	1.64	0.11	1.34	2.38	.....	.....	.....	.....	.....	.....	.....	.....
*Pensacola	5.86	3.96	3.85	2.32	2.42	4.38	6.82	3.66	4.83	0.93	0.67	2.31	42.01
Plant City	4.27	1.85	0.00	1.58	0.82	4.65	4.43	13.92	5.23	0.94	2.80	0.00	40.49
Rockledge	.....	.....	.....	.....	.....	4.14	7.84	3.43	15.64	3.98	3.93	2.88	.....
Rockwell	3.23	2.44	0.16	0.51	1.74	7.63	5.01	5.31	6.79	1.14	1.44	0.07	35.47
St. Andrew	4.08	4.34	1.21	3.15	4.27	4.74	12.27	6.92	4.74	0.89	0.05	2.32	48.98
St. Augustine	3.40	2.48	0.70	2.69	1.83	7.71	10.22	8.56	16.22	2.55	0.53	1.75	58.64
*Sand Key	0.67	0.70	0.47	0.92	1.44	3.88	0.84	4.76	3.33	2.90	1.16	0.24	21.31
St. Leo	2.38	1.29	0.10	1.73	2.20	10.12	5.22	5.83	8.78	1.63	2.18	0.23	41.69
Satsuma Heights	.....	2.95	0.13	2.19	3.95	3.38	6.73	3.91	8.36	1.79	1.51	0.73	.....
Switzerland	3.77	1.80	1.03	3.32	3.58	3.16	10.11	3.17	15.65	2.03	1.76	0.44	49.82
*Tallahassee	3.81	4.53	0.18	8.37	4.50	6.64	10.21	8.44	5.17	1.32	0.25	1.58	55.00
*Tampa	2.14	1.10	0.08	2.07	1.81	6.18	2.75	7.48	5.73	1.18	1.34	0.39	32.25
Tarpon Springs	3.02	1.46	0.04	1.09	0.73	6.94	7.00	7.75	6.58	2.38	2.88	0.34	40.21
Titusville	2.10	.....	.....	.....	.....	.....	.....	.....	.....	3.40	4.24	1.85	.....
Wausau	4.25	3.39	4.86	8.32	3.72	6.47	8.27	3.40	2.89	2.32	0.00	1.05	48.94

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Georgia.													
*Abbeville	4.20	5.46	6.37	9.15	4.44	2.17	9.02	2.24	5.19	0.84	1.18	1.63	51.89
Adairsville	3.72	5.80	4.13	2.97	1.57	1.44	7.02	6.76	2.07	2.00	0.72	6.64	44.84
*Albany	3.31	4.94	6.65	7.45	2.53	1.18	5.37	5.49	2.67	2.13	1.54	1.77	45.03
*Allapaha	3.88	4.47	3.65	6.73	1.93	3.08	8.99	2.86	7.04	1.96	0.57	1.20	46.36
*Americus	4.78	7.16	5.99	5.53	1.47	1.69	7.17	7.42	4.55	1.11	0.75	2.18	49.80
*Athens	3.93	7.26	4.58	6.57	1.97	3.82	3.81	18.43	1.88	4.01	2.34	4.34	62.94
*Atlanta	4.64	4.40	3.57	7.36	2.95	3.04	5.09	5.33	2.46	3.63	2.10	4.15	48.83
*Augusta	7.23	3.75	3.89	5.41	0.91	6.91	1.19	5.91	2.44	3.06	1.59	2.33	44.62
*Bainbridge	4.20	5.02	3.90	7.98	5.08	3.20	4.55	4.45	2.34	1.16	0.15	1.70	43.73
Barnesville	.....	.....	.....	.....	.....	1.78	5.92	.....	.....	2.21	0.98	.....	.....
Blakely	5.39	7.35	3.50	5.10	2.32	1.99	7.71	7.34	1.12	1.73	0.49	2.41	46.45
Bronwood	6.84	.....	6.73	.....	.....	3.57	9.69	3.06	.....	.....	.....	.....	.....
Brunswick	3.66	2.60	.....	3.04	4.42	5.00	12.62	3.11	13.34	0.91	1.74	0.71	.....
*Butler	3.70	7.36	6.27	10.80	1.40	1.99	6.28	7.15	0.88	2.67	1.07	2.77	52.34
*Camak	4.73	6.41	3.00	7.31	1.71	3.87	5.13	5.23	2.56	2.17	1.30	3.24	46.66
*Canton	2.38	6.02	4.66	7.37	.....	0.70	3.62	5.03	1.98	3.44	1.43	5.94	.....
*Carlton	2.29	7.00	4.27	5.54	1.57	3.03	6.45	20.18	1.60	4.67	1.71	4.34	62.65
Carrollton	4.05	6.48	3.63	5.26	3.15	.....	.....	.....	.....	3.35	2.00	.....	.....
Clayton	6.46	8.29	5.99	9.32	3.90	5.49	8.32	10.24	1.70	6.86	2.04	8.71	77.32
Columbus	.....	8.14	6.20	8.06	1.03	1.73	4.30	3.97	2.11	3.40	0.89	2.21	.....
Covington	5.69	7.03	3.59	5.28	4.58	3.81	2.29	4.03	1.40	3.22	1.38	5.45	47.75
Cuthbert	6.84	3.64	6.45	4.32	1.90	1.89	2.70	4.32	2.08	1.42	2.08	2.45	.....
Dahlonega	5.54	5.69	6.60	9.58	3.93	2.06	1.80	4.30	2.41	4.94	1.72	8.44	57.01
Diamond	6.96	6.88	5.94	7.57	5.25	1.89	7.48	5.25	2.62	3.75	2.16	8.30	64.05
*Dublin	4.50	5.12	5.18	10.00	2.38	6.69	6.66	2.98	2.04	2.24	1.09	1.64	50.52
Dudley	5.16	5.38	5.53	13.65	1.65	3.72	7.13	3.08	4.10	1.43	0.60	1.95	53.36
*Eastman	4.40	6.13	7.27	8.09	1.73	0.75	5.23	2.07	3.75	1.76	0.91	2.84	44.93
Eatonton	6.11	6.28	5.54	11.01	2.02	4.39	2.98	10.98	0.83	3.59	1.68	3.46	58.87
Elberton	4.52	6.82	4.97	8.42	1.82	5.51	5.62	19.23	1.41	4.87	1.98	4.28	69.45
Experiment	3.63	.....	3.21	5.35	3.48	1.51	1.98	3.13	2.37	2.56	1.38	4.65	.....
Fitzgerald	5.38	3.53	5.70	7.87	2.97	2.08	4.56	2.13	7.77	.....	0.70	1.20	.....
Forsyth	5.90	3.80	2.55	8.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Fort Gaines	4.09	5.45	3.04	6.40	1.67	2.34	5.89	4.95	2.15	1.25	1.58	2.97	41.78
*Gainesville	2.64	5.72	4.82	6.55	1.99	2.47	3.94	6.83	3.04	4.58	1.76	5.64	49.98
Gillsville	.....	.....	4.49	6.67	1.83	3.46	6.35	7.28	1.92	5.03	1.84	.....	.....
Glennville	5.09	2.26	3.97	5.85	2.55	6.43	6.02	4.21	4.51	2.04	0.96	1.64	45.57
*Gore	3.72	8.70	4.38	5.37	3.02	3.90	4.73	7.52	2.40	2.87	0.88	8.66	56.15
*Greensboro	3.32	7.85	5.06	9.16	2.44	2.78	3.50	9.09	1.29	3.44	1.85	3.59	53.37
*Griffin	3.69	8.66	4.72	6.49	3.56	2.15	2.45	4.08	1.83	2.60	1.37	6.44	48.04
Harrison	7.44	3.22	7.12	10.61	0.75	3.35	4.00	1.54	1.74	1.50	0.46	2.93	44.66
Hartwell	.....	.....	.....	5.80	1.32	3.86	5.85	14.72	1.76	6.59	2.11	.....	.....
Hawkinsville	7.62	3.73	6.84	.....	2.27	1.35	.....	.....	5.05	2.28	0.52	2.10	.....
Helena	5.53	4.11	6.73	8.21	1.09	1.36	6.18	2.77	2.95	1.44	1.62	1.94	43.93
Lisbon	4.83	5.76	4.88	4.85	0.64	5.40	6.29	8.54	1.63	3.22	1.53	4.76	52.33
Lost Mountain	3.91	7.55	2.60	5.13	2.44	2.38	4.95	1.76	1.96	4.54	1.77	5.86	44.85
Louisville	7.13	4.35	6.31	10.56	1.60	6.83	2.11	3.92	2.39	2.47	1.03	2.33	51.03
Lumpkin	9.27	3.03	6.56	7.48	0.91	1.50	2.60	11.43	1.02	2.40	1.72	3.72	51.64
*Macon	6.53	3.77	6.42	9.26	2.99	2.55	4.68	6.12	1.65	2.54	1.33	2.27	50.11
Marshallville	8.46	4.92	7.51	13.91	3.43	2.94	6.93	5.86	2.16	1.99	0.76	2.26	61.13
Mauzy	5.17	4.74	2.95	6.17	3.74	2.11	.....	2.49	2.51	1.06	0.33	1.59	.....
*Milledgeville	3.89	7.10	6.14	8.79	1.73	3.01	5.58	2.48	1.10	2.16	1.14	3.59	46.71
*Millen	4.75	4.90	5.30	.....	0.95	4.76	4.01	4.18	3.30	2.94	0.50	3.45	.....
*Montezuma	4.58	8.18	6.14	8.42	2.64	1.24	4.64	2.80	2.40	1.24	0.66	1.54	44.48
*Monticello	4.54	8.12	5.04	9.80	1.89	4.94	2.38	7.19	1.73	4.04	1.31	4.54	55.52
Morgan	5.43	6.80	8.48	6.38	2.77	2.55	5.36	9.75	1.15	1.38	1.12	1.30	52.47
*Newnan	4.01	7.48	3.89	6.50	5.63	2.62	4.59	7.43	2.03	3.80	2.37	6.21	56.56
*Oakdale	2.60	7.52	4.00	6.88	4.18	1.95	2.28	5.63	1.42	3.25	1.87	5.22	46.80
Point Peter	5.57	.....	4.96	8.45	1.36	2.77	3.42	19.53	2.53	5.05	1.95	4.39	.....
Poulan	6.06	3.59	8.07	6.56	3.87	1.49	10.86	5.73	2.32	1.45	0.71	1.55	51.90
Putnam	.....	.....	.....	5.70	1.35	2.79	2.90	5.00	.....	2.40	1.10	.....	.....
*Quitman	2.88	4.49	2.19	3.67	4.48	4.71	6.16	3.90	5.56	1.09	0.66	1.77	41.56
Ramsey	4.38	6.81	4.04	4.44	3.02	3.29	4.48	7.13	2.08	2.66	0.90	6.96	50.19
*Resaca	2.67	8.16	3.48	3.91	2.58	1.35	2.43	4.75	2.26	2.68	0.25	8.23	42.75
*Rome	2.84	7.78	4.34	5.37	2.96	3.52	4.20	4.84	2.20	2.34	0.74	9.00	50.13
St. George	2.41	1.94	0.96	2.47	4.45	8.44	5.46	2.39	12.44	.....	.....	.....	.....
St. Marys	2.30	2.96	0.81	5.80	3.96	5.15	13.08	3.61	12.77	0.82	0.36	0.44	52.06
*Savannah	4.19	4.62	2.44	3.36	2.65	4.59	8.03	4.13	9.05	1.34	2.07	1.09	47.56
Screven	3.61	4.90	1.85	3.17	5.54	4.41	.....	.....	.....	.....	.....	.....	.....
Statesboro	6.22	3.57	5.84	4.72	4.96	8.39	9.42	4.82	6.21	2.12	0.45	2.40	59.12
Talbotton	5.31	5.15	5.74	12.47	1.47	.....	8.42	7.66	0.85	3.48	1.20	4.63	.....
*Tallapoosa	2.27	3.80	4.62	5.32	2.18	1.77	4.04	5.19	2.56	2.87	1.18	5.32	41.12
*Thomasville	4.73	4.66	2.08	4.62	3.91	3.00	7.40	3.03	4.24	1.81	0.38	1.04	40.90
*Toccoa	4.22	6.99	5.14	4.19	2.09	3.14	4.71	7.84	2.47	6.00	1.65	6.12	54.72
*Valdosta	3.13	3.01	0.06	1.15	5.70	5.30	4.77	2.30	7.80	1.85	T.	0.66	35.73
Valona	4.68	4.11	0.85	3.90	2.60	5.20	11.41	3.26	9.15	0.83	1.35	0.80	48.14
*Washington	4.32	5.86	4.84	8.02	4.15	5.19	5.21	8.61	2.24	2.69	2.76	3.12	57.01
*Waycross	3.53	5.33	0.61	3.79	4.83	5.93	6.03	1.71	4.98	1.48	0.98	1.45	40.65
*Waynesboro	.....	4.93	4.38	7.31	1.84	5.02	2.06	2.56	2.44	1.80	0.57	2.95	.....
*West Point	3.13	7.56	5.22	10.56	3.64	0.82	2.62	5.54	1.05	2.53	2.00	4.66	49.33
*Woodbury	3.46	6.78	4.51	8.77	2.48	3.83	4.47	4.22	1.54	3.83	1.59	5.52	51.00
Idaho.													
Albion	.....	.....	.....	.....	.....	.....	.....	0.18	0.79	3.23	0.53	0.44	.....
Almo	.....	.....	.....	.....	.....	.....	.....	.....	0.64	1.90	0.20	1.33	.....
American Falls	0.68	1.22	0.15	0.33	3.13	2.44	0.00	0.72	0.47	2.19	0.90	0.90	13.13
Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.75	.....	.....
Big Creek	.....	.....	.....	.....	.....	2.93	0.01	1.30	3.60	5.00	0.92	4.15	.....
Blackfoot	0.81	0.59	0.37	0.63	3.61	3.30	0.62	1.02	1.07	2.61	0.29	0.77	15.69
Bogas Creek	.....	.....	.....	.....	.....	.....	.....	.....	2.87	2.63	0.45	1.44	.....
*Boise	0.57	0.39	1.12	0.28	1.38	2.90	0.23	0.21	1.26	1.33	1.51	1.15	12.33
Bonners Ferry	1.60	2.29	1.96	1.65	2.26	2.11	0.70	0.47	0.28	2.56	1.44	2.31	19.63
Buhl	0.10	0.17	0.56	0.54	1.87	2.47	1.52	0.98	1.01	2.21	0.79	0.06	12.26
Burke	5.27	4.94	7.18	3.01	3.99	4.23	0.79	1.23	2.35	6.52	2.07	4.36	45.94
Caldwell	0.29	0.04	0.58	0.46	0.70	.....	0.44	1.23	1.01	0.94	2.11	0.57	.....
Camas	.....	.....	.....	.....	.....	.....	.....	0.68	0.61	.....	.....	.....	.....
Cambridge	1.20	0.55	1.07	0.83	0.89	2.53	0.35	T.	1.29	1.66	1.64	2.30	14.31

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Idaho—Continued.													
Center	0.67	0.46	0.47	0.20									
Chesterfield	0.75	0.37	0.66	0.17	2.98	4.50	0.03	1.21	0.22	1.60	0.44	0.77	13.70
Coeur d'Alene												0.69	
Culdesac								0.29	2.50	2.79	0.72	0.91	
Dent	1.21	2.04	4.75	1.33	2.06	2.70	0.19	0.92	1.85	2.38	1.10	2.05	22.58
Driggs	2.16	1.28	0.23	0.66	4.46	4.36	0.49	2.03	0.62	2.05	1.01	1.45	20.80
Ellerslie	0.55	0.18	0.86	0.43								1.26	
Emmett	0.42	0.09	0.68	0.59	1.14	2.35	0.18	0.30	1.04	0.48	1.01	1.06	9.34
Forney	1.50	0.33	1.91	0.81	2.68	3.88	1.33	0.57	1.36	2.33	0.72	1.73	19.15
Garnet	0.71	0.12	0.35	0.21	0.63	2.21	1.11	T.	0.99	1.14	1.76	0.00	9.23
Geneva									1.08	2.66	0.77	1.08	
Grace	0.45	0.20	0.41	0.26	2.41	2.31	1.21	1.76	0.82	1.79	0.44	0.45	12.51
Green Timber									0.92			1.12	
Guffey									1.90	1.40	1.57	0.43	
Hot Spring	0.64	0.19	0.48	0.58	0.70	2.25	1.76	T.	0.98	0.98	1.50	0.17	10.23
Idaho Falls	0.63	0.52	0.59	0.88	3.70	2.45	0.39	1.18	1.13	2.87	0.31	1.10	15.75
Indian Valley											1.18	2.75	
Kellogg	2.72	2.55	4.22	1.72	2.88	2.02	0.47	0.64	1.15	4.00		2.77	
Kooskia											1.37	1.07	
Lake	0.90	2.10	1.50	1.35	3.20	3.66	1.12	1.70	0.50	1.65	0.70	0.95	19.33
Lakeview	2.78	2.70	2.60	2.05	2.10	1.15	0.05	1.12	0.70	4.10	1.95	1.20	22.50
Landore	3.02	2.66	5.35	3.15	4.04	2.91	0.18	0.47	2.35	4.40	2.76	2.47	33.76
Lardo	2.23	1.07	3.21	1.62	1.84	3.35	0.27	0.44	2.12	3.18	1.66	2.63	23.62
*Lewiston	0.37	1.32	1.19	0.96	1.23	0.65	0.19	1.03	1.60	1.33	0.63	0.41	10.91
Lost River	0.45	0.34	0.13	0.11	2.75	4.20	0.03	0.46	0.78	1.12	0.37	0.12	10.86
Lowry						4.15	0.84	0.33	0.77	2.66	0.50	1.46	
Mackay	0.39	1.00	0.15	T.	2.55	3.86	1.46	0.54	1.17	0.54	0.22	0.32	12.20
Meadows	1.43	0.95	1.69	1.88	2.03	2.37	0.16	0.58	1.80	3.30	0.49	2.10	18.78
Milner	0.40	0.27	0.16	0.26	2.80	2.63	0.01	0.13	0.46	2.25	0.64	0.19	10.20
Moscow	1.47	1.77	2.76	1.30	2.00	1.07	0.13	0.95	0.93	1.97	0.85	1.41	16.61
Mountain Home	0.84	0.17	0.44	0.18	0.56	1.86	0.46	0.06	0.81	1.71	0.81	0.96	8.86
Murray	3.27	3.59	6.22	1.91	3.71	2.45	0.64	0.46	1.82	4.46	1.83	3.92	34.28
Murtaugh	0.26	0.13	0.19	0.34	1.65	4.06	0.96	0.60	0.71	2.30	0.49	0.22	11.93
Nevins Ranch	1.47	0.90	1.76	0.27	1.00	2.07	1.60	0.00		1.91	0.81		
Oakley	0.25	0.64	0.20	0.40	3.10	2.40	0.00	0.52	0.52	2.20	0.40	0.32	10.95
Orofino	1.09	2.91	3.95	1.28	2.64	2.84	0.50	0.28	3.30	2.36	1.01	2.40	24.56
Oxford									0.85	3.09	0.56	0.42	
Paris	0.59	0.59	0.57		0.64	2.04		2.00	1.55	2.39	0.64	0.67	
Payette	0.48	0.09	0.47	0.26	0.93	1.06	0.13	0.03	1.03	1.44	1.20	0.40	7.52
Pierson									1.30	1.82	0.33		
Pleasant Valley	0.33	0.35	0.88	0.22	1.19	2.33	0.37	0.02	0.98	1.49	1.78	0.85	10.79
*Pocatello	0.68	1.34	0.51	0.53	3.96	2.80	0.29	1.08	0.94	2.03	0.53	0.38	15.07
Pocatello Planting Station				0.50	4.43	5.05	0.03	1.47	1.53	3.28			
Pollock		0.86	1.34										
Poplar	0.49	0.13	0.70	0.42	1.18	2.15	0.33	0.90	1.01	1.10	2.36	0.84	11.61
Porthill	2.17	2.46	2.14	1.76	1.81	1.46	0.99	0.72	0.50	2.20	1.52	1.36	19.09
Roosevelt	3.65	3.88	5.60	0.92	3.00	3.43	1.55	0.87	0.95				
Rupert	0.25	0.61	0.26	0.22	3.18	2.18	0.07	0.67	0.62	2.15	0.33	0.25	10.79
St. Maries	3.05	2.44	3.19	1.43	3.20	1.22	0.64	0.91	0.70	3.25	1.42	2.66	24.11
Salem	0.78	0.31	0.35	0.56	2.89	3.08	0.35	0.61	0.92	2.80	0.37		
Salmon	0.10	0.06	0.43	0.17	2.48	2.84	0.48	0.35	1.33	0.54	0.13	0.33	9.24
Salmon River Dam					1.29	2.07	0.43	0.66	1.45	0.25	0.11		
Shoshone				0.18	1.90	1.54	0.12	0.43	0.82	1.28	0.76	0.47	
Soldier	1.04	0.50	0.71	0.23	1.66	2.24	0.27	1.29	1.54	2.15	0.84	1.06	13.53
Spirit Lake					1.85	1.12	0.15	0.94	0.43	3.45	2.42	1.83	
Standrod	0.50	0.34	0.42	0.53	3.68	3.18	0.69	1.99	0.66	2.84	0.26	0.49	15.58
Starkey					2.41	2.77			1.45	2.60	1.40	3.60	
Stone						2.01	0.02		0.11	2.40	0.53		
Sugar	0.57	0.65	0.60	0.72	3.18	3.22	0.47	0.80	0.96	3.14	0.45	1.05	15.81
Twinfalls	0.28	0.10	0.03	0.12	1.88	1.75	0.49	0.60	0.82	1.88	0.46	0.16	8.57
Vanwyck					0.64	1.59	0.11	0.08	2.00	4.50	1.34		
Vernon	1.00	1.00	1.50	0.43	2.30	2.18	0.25	1.75	0.13	0.50	0.57	1.67	13.28
*Wallace	2.47	2.21	2.62	0.63	2.42	2.36	0.49	0.88	2.13	6.15	2.49	1.76	26.61
Wendell							0.25	0.72	1.22	2.73	1.16	0.23	
Westlake	0.46	1.10	2.64	1.53									
Williamsburg									1.64				
Illinois.													
Albion	2.56	6.55	4.99	5.38	7.60	0.99	2.59	1.83	0.71	T.	3.59	1.15	37.94
Aledo	0.47	2.58	1.85	2.20	6.88	4.93	3.98	5.73	1.92	1.40	2.63	0.72	35.29
Alexander	1.27	3.07	2.08	4.97	7.78	3.14	2.31	1.21	1.40	0.22	1.81	1.29	30.55
Antioch	2.55	2.20	3.35	4.85	5.26	3.60	4.29	1.57	1.00	1.15	2.70	1.00	33.52
Ashton	0.35	3.35	3.43	2.32	8.35	2.55	3.72	3.37	0.78	1.01	2.05	0.53	31.81
Astoria	1.03	5.00	1.48	5.09	8.06	3.14	2.97	1.46	1.18	0.65	2.51	1.00	33.57
Aurora	0.81	3.86	3.58	3.10	7.19	1.43	4.50	5.35	0.95	0.67	2.02	0.97	34.43
*Beardstown	0.83	4.04	1.10	3.72	5.02	3.04	3.42						
Bement	0.92	4.00	2.75	4.74	7.97	2.81	3.74	0.84	1.61	0.23	2.38	1.71	33.70
Benton	2.56	8.79	3.29	7.00	4.95	0.72	3.00	2.05	1.00	0.00	3.35	1.75	38.46
Bloomington	1.20	3.80	3.12	7.78	10.17	1.53	2.10	1.17	0.45	0.50	2.48	1.47	35.77
Bushnell	0.26	2.54	1.88	1.86	8.05	3.57	3.61	1.38	0.96	0.75	3.01	0.13	28.00
*Cairo	2.84	6.98	1.88	6.63	4.90	3.15	1.92	4.28	1.01	0.02	3.32	1.54	38.47
Cambridge	0.70	3.11	2.55				4.34	3.69	1.13	1.12	3.29	0.61	
Carlinville	1.56	4.81	2.41	5.11	9.08	3.42	2.36	1.35	2.28	0.23	3.37	1.70	37.68
Carlyle	1.90	4.51	3.48	5.05	9.98	3.90	5.10	1.90	1.10	0.50	4.15	0.50	42.07
Charleston	1.28	5.10	3.05	3.60	6.96	3.42	2.94	0.85	1.10	0.18	3.51	1.38	33.37
*Chester	3.12	6.77	5.57	8.86	7.52	1.91	7.45	1.65	1.76	0.10	2.87	0.87	48.45
*Chicago	2.05	3.72	3.48	2.81	6.74	1.48	1.45	6.35	2.09	0.81	2.67	1.18	34.83
Coatsburg	0.97	3.28	0.73	3.03	6.40	5.90	5.89	2.25	2.21	0.97	3.80	0.80	36.33
Cobden	3.86	8.06	4.60	8.10	5.16	1.70	3.37	3.75	1.92	0.00	4.90	1.07	46.49
Colchester	0.80	3.30	1.85	2.17	9.06	5.59	2.06	1.18	1.41	0.65	3.29	0.52	31.88
*Decatur	1.64	4.29	3.87	4.54	10.23	3.81	2.25	1.25	1.27	0.71	2.09	1.67	37.62
*Dixon	0.72	2.82	3.38	3.29	5.16	2.24	4.18	5.68	0.84	0.90	2.45	0.84	32.50
Dwight	1.06	3.41	3.27	3.89	6.79	0.97	2.61	1.09	1.22	0.61	2.03	1.14	28.09
Equality	2.85	6.58	5.21	5.85	6.20	2.45	4.34	3.81	0.44	0.05	2.69	1.30	41.77
Fairfield				5.30	8.02	1.21	2.59	2.61	0.35	0.00	3.21	1.02	
Flora	1.50	5.43	3.18	5.16	7.82	1.08	3.22	0.90	1.06	0.10	2.80	0.98	33.23

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Illinois—Continued.													
Friend Grove	2.24	6.97	4.25	6.30	6.94	0.72	2.88	1.04	.....	.....	.....	.....	.....
*Galva	1.83	3.01	4.65	3.50	9.32	3.84	2.68	3.91	1.57	1.42	3.64	0.48	39.85
Golconda	3.58	10.31	3.22	6.39	4.92	4.85	3.51	1.93	1.36	0.11	4.16	1.54	45.88
*Grafton	2.04	3.86	2.78	6.75	4.20	2.86	5.46	0.72	1.74	0.54	2.08	1.44	34.47
Greenville	1.46	5.68	3.93	5.30	8.73	5.29	4.94	2.25	0.55	0.02	2.72	0.97	41.89
Griggsville	1.05	2.75	1.94	5.66	5.60	3.69	6.55	1.30	0.88	0.10	1.41	1.28	32.19
Havana	0.55	4.35	1.06	4.33	8.73	4.45	2.94	1.67	0.74	0.53	2.01	1.17	32.53
Henry	1.12	2.51	3.00	4.64	8.90	4.60	2.82	0.94	0.80	0.77	1.87	0.81	32.78
*Hillsboro	2.09	4.76	2.10	5.03	8.28	4.53	2.52	0.78	1.54	0.10	1.85	1.62	35.20
Hoopeston	1.41	6.23	3.64	4.45	8.07	0.86	2.19	1.11	1.79	0.33	2.81	1.61	34.50
Joliet	0.77	2.66	4.33	3.32	6.95	1.80	3.79	3.80	1.32	0.82	2.77	1.30	33.13
Kishwaukee	0.63	2.09	4.17	3.59	7.84	2.31	3.08	2.34	0.94	1.07	2.82	0.56	31.44
Knoxville	0.99	4.39	2.78	2.19	9.55	2.53	4.10	3.81	1.39	1.38	3.24	1.36	37.71
La Grange	1.41	3.40	3.20	2.71	6.16	1.30	3.54	7.75	1.40	0.89	2.40	1.34	35.50
La Harpe	2.45	3.10	2.27	1.64	11.25	5.60	2.40	1.24	2.03	0.70	2.34	0.60	35.62
Lanark	0.62	1.94	3.02	2.91	6.14	5.13	6.67	2.69	0.89	1.16	3.02	0.49	34.68
*La Salle	0.96	2.76	3.07	2.89	6.69	2.68	3.72	1.82	1.09	0.41	1.62	0.83	28.54
Lincoln	1.37	4.33	.....	4.95	8.77	1.64	1.96	2.77	.....	0.49	1.44	1.69	.....
Loami	1.35	4.12	2.61	3.74	6.34	1.89	6.08	2.01	1.83	0.07	1.73	1.80	33.57
Martinsville	0.20	3.25	3.90	3.60	11.35	3.17	2.67	1.14	1.87	0.21	3.72	1.23	36.31
*McLeansboro	2.35	7.55	4.45	7.10	6.60	0.65	2.83	2.17	0.41	T.	3.23	1.33	38.67
*Martinton	1.75	4.05	2.79	4.30	9.95	1.65	1.24	2.86	2.60	0.67	1.58	2.08	35.52
Mascoutah	1.84	5.44	3.30	5.91	10.67	3.85	4.73	2.70	0.81	0.11	3.28	0.61	43.25
Minonk	0.80	3.83	2.42	4.06	8.77	1.21	1.88	1.62	0.39	0.69	1.60	0.67	27.94
Monmouth	1.27	3.33	3.08	2.41	11.29	5.21	5.12	3.98	1.56	1.40	3.08	0.87	42.60
Morrison	0.77	3.10	3.47	2.56	6.84	4.33	3.67	3.71	1.01	0.59	2.83	0.50	33.38
Morrisonville	1.33	3.48	2.14	5.57	7.49	2.15	2.21	2.71	1.49	0.11	2.91	1.48	33.07
*Mount Carmel	1.44	8.86	4.62	5.96	6.22	1.16	1.96	1.00	2.04	0.10	2.70	2.03	38.09
*Mount Vernon	2.16	6.63	5.42	6.18	6.23	1.41	3.87	1.83	0.92	T.	2.33	1.01	37.99
*New Burnside	2.84	7.67	3.18	6.52	5.31	1.94	3.74	3.13	1.31	T.	4.85	0.62	41.11
*Olney	1.98	5.17	3.76	5.07	6.63	1.01	3.52	1.02	0.83	0.24	3.81	1.05	34.09
Ottawa	0.86	1.53	3.87	3.48	8.17	1.77	3.05	2.03	0.35	0.65	1.79	0.99	28.54
Palestine	1.60	5.89	4.13	4.64	9.58	1.96	2.48	0.87	1.78	0.10	3.23	1.40	37.66
Pana	1.97	5.87	2.37	5.42	10.21	2.38	2.48	1.60	1.05	0.13	3.09	1.55	38.12
Paris	1.53	5.11	4.64	5.57	9.27	2.48	2.75	0.80	1.79	0.20	3.05	1.12	38.31
*Peoria	0.59	3.98	2.50	4.08	7.76	4.09	3.94	2.78	0.82	0.71	1.89	0.82	33.96
Philo	1.79	4.25	3.37	4.17	7.65	1.79	2.64	2.42	1.59	0.35	3.27	1.32	34.61
Pontiac	1.01	4.52	2.90	4.83	8.72	1.65	2.35	1.25	1.53	0.92	2.61	1.51	33.80
*Rantoul	1.49	4.66	3.00	4.83	10.66	1.71	2.17	1.89	1.43	0.38	2.70	1.66	36.58
Riley	0.77	2.63	4.66	4.05	6.87	3.82	2.68	2.21	0.47	0.96	1.66	0.99	31.77
Robinson	1.89	5.78	3.92	4.66	9.83	2.90	3.08	2.26	2.00	0.14	3.78	1.18	41.42
*Rockford	1.32	2.40	4.54	3.34	6.58	3.23	3.67	1.87	0.92	0.89	2.39	0.79	31.94
Rushville	1.30	3.60	0.73	4.51	7.07	4.88	3.81	2.64	1.29	0.40	3.05	0.95	34.23
St. Charles	0.77	4.00	4.01	3.19	6.47	1.73	4.45	5.89	0.88	1.36	2.52	0.96	36.23
St. John	2.28	5.55	3.67	7.31	6.21	1.41	4.72	2.16	0.96	T.	1.88	1.16	37.31
*Springfield	1.77	4.28	2.21	4.48	7.27	1.38	1.37	2.62	1.22	0.29	1.17	1.62	29.68
Staunton	.....	.....	.....	.....	.....	2.13	6.05	2.14	1.32	0.05	3.07	1.40	.....
*Streator	0.59	3.73	2.53	4.15	7.16	1.69	3.62	0.41	0.39	0.68	2.36	0.92	28.23
Sullivan	1.35	4.23	2.46	5.80	9.67	4.09	2.40	0.81	2.12	0.07	2.66	1.51	37.17
*Sycamore	0.79	2.93	3.31	4.60	7.01	4.12	3.06	3.46	1.00	0.86	2.05	1.50	34.69
Tilden	2.03	5.61	3.94	7.02	7.08	2.30	5.26	2.74	1.32	0.10	4.34	0.72	42.46
Tiskilwa	1.22	3.65	3.62	3.01	9.98	3.80	1.89	1.71	1.14	0.90	2.62	0.83	34.37
*Tuscola	1.14	4.41	3.79	3.81	8.48	2.40	2.22	1.49	1.70	0.27	2.63	1.88	34.22
Urbana	1.21	4.09	3.20	5.00	7.83	1.99	2.31	2.05	1.95	0.21	1.99	1.44	33.27
Vernon	1.53	4.98	2.97	5.22	.....	.....	.....	.....	.....	.....	.....	.....	.....
Walnut	0.85	3.82	3.34	2.74	9.89	2.90	2.85	4.94	1.26	0.58	2.31	0.66	36.14
*Warsaw	0.36	3.51	1.67	1.86	11.11	5.85	4.18	3.16	2.08	0.87	3.34	0.71	38.70
White Hall	.....	.....	.....	.....	.....	.....	.....	0.97	1.72	0.25	2.44	1.64	.....
Windsor	1.38	5.32	2.54	5.91	13.26	3.51	2.40	2.62	2.00	0.11	3.34	1.50	43.89
Winnebago	1.00	2.57	5.41	4.48	8.17	3.51	4.59	2.85	1.15	1.02	3.66	0.85	39.26
Yorkville	0.78	2.10	2.20	.....	6.18	1.65	3.96	5.90	0.95	0.75	1.84	0.72	.....
Zion	0.90	2.24	3.10	2.63	6.87	3.74	5.89	2.67	1.30	1.37	1.80	1.10	33.61
Indiana.													
Anderson	2.15	3.74	4.67	3.02	6.92	1.53	1.85	1.73	0.86	0.98	1.57	1.34	30.06
*Auburn	.....	4.04	2.64	2.37	5.11	0.96	2.80	3.24	0.63	0.44	.....	1.58	.....
*Bloomington	.....	7.85	5.26	5.51	8.91	1.93	1.81	2.06	0.83	0.29	2.65	2.05	.....
Bluffton	2.23	4.15	4.90	2.93	4.24	2.32	3.34	2.98	0.56	0.55	2.09	2.09	32.38
Butlerville	2.02	7.80	5.39	6.32	9.47	2.62	2.51	1.10	0.47	0.22	1.02	1.11	40.05
*Cambridge City	1.13	6.76	3.61	3.62	5.15	1.83	2.99	2.42	1.76	0.60	0.78	1.92	32.57
Collegeville	1.07	.....	3.92	3.66	8.91	1.90	3.63	2.66	1.37	0.82	2.61	1.62	.....
*Columbus	1.67	5.70	3.60	3.92	6.04	1.66	2.67	5.06	0.92	0.38	1.42	1.55	34.59
Connersville	1.93	6.51	5.20	4.39	5.20	3.22	6.30	1.65	0.54	0.44	0.71	1.23	37.32
*Delphi	1.30	5.20	4.92	4.49	6.09	1.96	5.84	2.70	0.61	0.27	2.20	1.49	37.07
Elkhart	1.79	6.49	3.71	3.60	6.77	2.28	1.62	2.72	1.02	0.17	2.31	1.69	34.17
Eminence	1.77	7.04	4.21	5.60	6.19	1.18	1.41	1.45	0.70	0.25	2.56	1.43	33.79
*Evansville	1.80	6.26	3.76	4.83	6.51	0.66	1.97	4.58	1.23	0.28	2.31	1.50	35.69
Farmersburg	1.66	.....	3.80	6.68	10.09	3.37	2.02	0.86	1.35	0.10	2.05	1.54	.....
*Farmland	1.04	4.08	5.86	3.31	4.19	5.77	3.26	2.01	0.63	0.47	1.58	1.95	34.15
Franklin	1.41	5.53	3.93	3.95	5.78	2.01	0.98	1.36	0.86	0.34	2.51	.....	.....
Fort Wayne	1.54	4.49	4.90	.....	4.49	1.09	5.66	2.11	0.73	0.48	1.57	1.72	.....
Greenfield	1.80	4.77	4.74	3.87	7.78	2.16	1.93	2.42	0.77	0.45	1.99	1.42	34.10
Greensburg	2.20	7.84	4.00	3.66	6.59	1.88	1.84	2.05	0.45	0.23	0.59	1.28	32.61
Hammond	1.69	3.62	3.76	4.48	5.56	2.38	2.60	1.20	3.90	1.46	2.97	1.34	34.96
Huntingburg	.....	.....	.....	.....	5.32	2.92	3.50	2.99	0.93	0.08	2.90	2.41	.....
Huntington	1.55	4.79	4.76	2.62	5.02	1.95	2.45	1.63	0.90	0.39	1.63	1.56	29.25
*Indianapolis	2.47	4.46	5.12	3.86	5.19	1.05	2.62	1.67	1.14	0.23	1.90	1.54	31.25
Jeffersonville	1.87	5.34	6.06	6.69	4.47	3.01	3.53	1.63	0.99	0.09	1.90	2.04	37.62
Judyville	1.47	3.64	3.15	4.61	8.71	1.03	5.29	1.39	1.64	0.19	3.16	1.02	35.30
Knox	1.75	5.57	3.87	3.42	6.94	1.65	3.10	3.42	1.19	0.34	3.16	1.52	35.93
Kokomo	1.55	3.44	2.59	3.75	4.50	1.13	2.95	0.89	0.72	0.22	2.20	.....	.....
*Lafayette	1.84	7.17	3.29	4.24	5.98	1.59	2.66	0.83	0.72	0.29	2.29	1.51	32.41
Laporte	2.29	8.32	4.08	2.98	6.21	1.96	2.62	2.92	1.44	0.86	3.21	1.56	38.45
Lima	0.89	4.83	2.63	3.25	6.51	1.30	2.18	2.90	0.91	0.53	2.30	1.15	29.38
*Logansport	1.38	4.82	5.43	3.92	6.22	1.39	3.99	2.69	0.75	0.50	2.23	1.45	34.77
*Madison	1.52	5.51	4.94	5.96	8.59	2.08	1.35	1.82	1.29	0.13	1.37	1.66	36.22

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Indiana—Continued.													
Marengo	1.96	6.70	7.80	4.80	3.97	1.40	2.49	1.24	0.71	0.12	1.35	1.70	34.24
*Marion	2.16	4.83	5.63	3.28	4.01	1.19	4.79	1.31	1.16	0.30	2.29	2.23	33.18
Markle	1.10	3.60	5.00	2.50	4.30	1.95	4.70	3.60	0.80	0.60	2.25	1.90	32.30
Mauzy	2.31	6.46	4.96	3.96	5.71	3.11	2.76	1.53	0.54	0.43	0.89	1.30	33.96
Moores Hill	1.82	6.38	3.89	5.27	7.11	1.89	2.27	2.13	0.37	0.36	1.43	1.65	34.57
*Mount Vernon	1.52	7.60	3.63	6.46	5.52	1.54	2.18	1.38	0.82	T.	2.76	2.12	35.53
Northfield	1.95	4.32	4.64	3.39	4.80	2.02	2.43	0.50	0.98	0.37	.....	.....	.....
Paoli	1.62	8.30	5.61	5.57	4.79	1.29	0.69	0.90	0.60	0.04	2.13	1.47	33.01
Plymouth	1.24	5.17	3.19	3.29	7.41	2.06	2.19	2.59	0.93	0.28	2.32	1.74	32.41
Princeton	2.58	9.85	5.28	4.28	5.35	1.22	3.35	1.85	2.00	0.12	3.11	1.51	40.50
Richmond	1.83	4.26	5.82	3.76	4.97	2.69	6.21	1.22	0.41	0.59	0.57	1.31	33.64
Rochester	0.89	6.02	3.81	3.78	5.72	1.89	2.70	1.91	0.78	0.38	2.07	1.63	31.58
Rockville	1.39	4.33	3.84	6.01	7.25	1.65	3.01	0.73	1.01	0.21	3.26	1.34	34.03
Rome	1.89	5.07	3.93	8.40	5.62	2.68	3.78	2.43	0.65	0.05	1.47	2.02	37.99
Salamonia	0.81	.....	3.24	2.99	3.66	1.95	3.15	1.29	0.61	0.52	0.96	1.24	.....
Salem	1.57	7.52	5.32	5.24	6.78	1.26	1.47	0.78	1.06	0.15	1.60	1.34	34.09
Scottsburg	1.35	6.47	4.19	5.54	6.80	2.94	1.83	1.54	.....	0.21	1.55	1.51	.....
Seymour	.....	.....	4.56	4.79	5.63	2.01	.....	.....	0.64	0.09	1.17	1.37	.....
Shelbyville	2.01	5.62	4.01	4.43	6.16	2.96	2.76	2.96	0.75	0.37	1.88	1.56	35.47
*South Bend	1.54	5.51	3.74	3.38	7.17	2.74	1.96	1.68	1.15	0.33	2.26	1.60	33.06
*Terre Haute	1.47	6.14	4.24	4.96	9.77	2.08	2.31	0.59	1.40	0.24	2.99	1.42	37.61
Veedersburg	1.00	3.60	.....	.....	6.87	0.97	4.15	1.31	1.39	0.25	2.29	1.23	.....
Vevay	1.25	7.35	4.80	5.45	7.85	3.60	2.20	0.63	0.70	0.20	1.62	2.45	38.10
*Vincennes	1.15	8.00	4.56	6.05	5.70	2.23	5.35	2.25	1.60	0.15	3.20	1.45	41.69
*Washington	1.04	6.68	4.47	5.06	6.15	2.18	2.73	1.53	0.81	0.02	2.85	1.63	35.15
Winona Lake	.....	5.13	3.44	.....	8.16	0.67	2.77	.....	.....	0.16	1.59	1.36	.....
Worthington	2.09	5.66	4.69	5.26	8.52	2.90	3.70	0.67	0.67	0.38	2.39	1.69	38.62
Zelma	1.75	9.23	4.14	4.80	7.38	1.07	2.24	2.56	0.65	T.	2.51	1.86	38.19
Iowa.													
Afton	0.60	1.48	1.64	1.23	8.69	5.90	3.52	5.21	0.76	6.55	2.02	0.35	37.95
*Albia	0.30	1.64	1.97	1.72	10.49	2.29	3.09	5.40	1.38	2.33	1.57	0.20	32.38
Algona	0.33	1.00	1.82	3.21	10.57	7.61	2.14	6.85	0.55	3.88	1.45	0.90	40.31
Allerton	0.31	1.77	1.53	1.72	10.49	3.13	2.89	5.02	1.00	4.74	1.42	0.19	34.21
*Alta	0.15	1.79	1.43	2.69	8.44	8.03	8.14	6.03	0.60	3.20	1.65	0.64	42.79
Alton	0.20	1.86	1.74	2.90	7.29	4.35	4.19	3.95	0.86	2.78	1.69	0.71	32.52
Amana	0.44	2.41	2.37	3.14	7.45	3.30	2.44	4.87	1.32	1.87	2.14	0.44	32.19
Ames	0.55	1.55	0.45	1.94	7.95	3.93	3.63	5.90	0.50	6.23	.....	0.57	.....
Atlantic	0.22	1.60	0.85	0.93	8.80	7.22	2.23	3.57	0.73	3.96	0.29	0.46	30.86
Audubon	0.55	1.29	0.88	2.70	10.16	5.69	3.23	4.57	0.67	4.04	0.90	0.30	34.98
Baxter	0.38	0.84	1.53	2.85	8.41	6.25	2.54	3.02	1.09	3.48	1.09	0.58	32.06
Bedford	0.18	1.29	0.75	1.24	6.68	7.72	2.57	3.86	0.72	6.82	1.10	0.19	33.12
Belle Plaine	0.78	2.67	2.37	4.14	4.33	2.81	2.59	3.49	1.82	2.92	1.50	0.80	30.22
Bloomfield	0.57	1.75	2.57	2.02	13.89	4.19	3.44	4.64	0.86	1.24	2.67	0.44	38.28
Bonaparte	0.67	2.49	1.51	1.90	11.07	3.52	3.70	4.41	1.83	0.89	2.34	0.17	34.50
*Boone	0.42	2.13	1.37	2.44	7.12	5.87	6.27	4.18	0.63	5.19	1.14	0.47	37.23
Britt	0.42	0.70	1.82	3.78	7.85	5.72	4.33	4.83	1.08	5.20	1.60	0.96	38.38
Buckingham	0.09	0.89	0.97	1.94	7.04	2.79	2.46	3.05	2.01	3.03	0.75	0.44	25.46
*Burlington	0.86	3.71	2.18	2.16	11.34	5.17	2.83	2.64	3.35	0.77	2.45	0.65	38.11
*Carroll	0.30	2.58	1.69	1.51	8.48	7.94	4.30	7.76	0.59	5.70	1.37	0.30	42.52
*Cedar Rapids	0.31	1.72	2.17	3.36	6.11	3.23	3.06	4.12	1.39	1.34	1.44	0.58	28.83
Charlton	0.35	0.73	0.99	1.81	9.83	3.34	1.77	3.42	0.94	3.15	1.35	0.20	27.88
*Charles City	0.40	1.44	1.67	2.00	6.49	8.40	4.34	3.49	0.81	2.64	1.32	1.16	34.16
*Clarinda	0.20	1.96	0.65	1.15	8.55	7.03	3.64	5.78	0.36	5.12	1.48	0.27	36.19
Clear Lake	0.45	0.23	1.50	2.12	9.20	7.67	2.16	2.97	1.26	3.50	1.48	1.10	33.64
*Clinton	0.68	2.56	3.08	2.70	6.66	4.03	3.64	5.57	1.63	0.58	3.31	0.49	34.93
Columbus Junction	0.78	1.70	2.01	1.69	7.19	3.78	3.63	7.92	1.77	1.88	2.04	0.37	34.76
Corning	0.80	1.80	1.69	1.19	12.18	6.51	2.10	3.76	1.01	5.67	1.11	0.35	38.17
Corydon	0.29	0.91	1.12	1.70	9.38	1.92	3.25	3.88	1.08	4.71	1.42	0.23	29.89
*Creston	0.59	1.21	0.91	1.12	9.62	6.83	4.57	5.98	1.08	6.75	1.48	0.30	40.44
Cumberland	0.80	1.80	2.31	0.77	12.00	8.28	4.42	6.19	1.52	4.14	0.76	0.08	43.07
*Davenport	0.69	2.37	2.24	2.22	5.13	4.57	3.30	6.23	1.12	0.87	2.46	0.40	31.60
Decorah	0.50	1.50	1.94	2.41	6.64	7.71	4.72	4.17	1.98	2.00	0.80	1.70	36.07
Delaware	0.41	1.20	1.71	2.67	6.83	3.35	3.27	3.56	2.68	1.95	.....	.....	.....
Denison	0.40	1.70	1.11	2.41	8.90	9.54	1.47	5.87	0.67	3.78	1.28	0.11	37.24
*Des Moines	0.46	1.51	1.43	2.69	9.89	5.93	1.56	6.54	0.94	3.68	0.95	0.31	35.89
De Soto	0.55	1.32	1.21	1.41	8.33	4.61	5.13	6.59	0.55	6.31	1.47	0.61	38.09
Dows	0.30	1.56	1.22	3.12	8.36	.....	3.34	4.22	0.80	2.48	2.12	0.39	.....
*Dubuque	0.70	1.87	1.72	2.50	5.82	2.21	2.06	2.92	1.14	1.20	1.34	0.63	24.11
Earlham	0.65	1.97	1.58	1.90	9.31	6.28	4.45	6.38	0.55	6.38	1.89	0.40	40.84
Elkader	0.55	1.65	1.57	1.75	6.55	4.49	4.70	2.94	2.73	1.96	1.19	0.85	30.93
Elliott	0.55	1.98	1.80	1.31	11.16	9.09	1.96	2.84	0.62	3.31	0.98	0.60	36.20
Elma	0.14	0.96	0.83	3.24	7.04	8.26	3.78	3.35	1.27	2.23	1.42	0.75	33.27
Estherville	0.24	0.83	1.42	3.60	9.13	7.35	4.19	3.07	1.05	3.22	1.62	0.75	36.47
Fairfield	0.47	1.71	2.28	1.33	10.41	5.73	2.97	4.25	0.75	0.61	2.37	0.29	33.17
Fayette	0.72	1.71	1.75	1.93	8.59	5.91	7.07	.....	.....	.....	1.22	1.21	.....
*Forest City	0.20	0.75	1.63	2.42	8.10	6.02	5.08	4.28	1.00	5.00	1.83	0.70	37.01
*Fort Dodge	0.30	0.45	1.47	3.37	9.24	7.28	4.88	5.83	1.12	4.45	1.49	0.75	40.63
Fort Madison	1.50	3.28	1.60	2.65	14.33	4.20	1.76	4.03	3.28	1.41	3.03	0.95	42.02
Gilman	0.40	2.72	1.73	2.66	6.43	3.33	4.23	2.90	1.19	2.57	1.06	0.70	29.92
Grand Meadow	0.64	1.63	1.85	1.93	7.02	6.24	6.98	3.06	3.46	2.27	1.41	1.34	37.83
Greene	.....	.....	.....	2.73	8.36	4.66	2.84	3.81	0.96	3.43	1.36	0.51	.....
Greenfield	0.80	.....	1.72	1.41	6.67	.....	4.72	6.43	0.82	5.25	0.94	0.05	.....
Grinnell	0.48	1.98	1.93	1.87	8.70	3.09	2.54	5.80	1.95	2.23	1.36	0.64	32.57
Grundy Center	0.60	1.37	0.85	2.23	.....	3.63	2.92	3.93	0.90	4.66	1.25	0.85	.....
Guthrie Center	0.56	2.24	1.16	1.69	8.26	6.47	3.37	9.25	0.76	5.12	1.03	0.65	40.56
Hampton	0.70	1.68	1.95	2.44	7.48	6.03	4.53	3.47	0.70	4.47	2.15	0.83	36.43
Hancock	0.25	1.78	1.41	0.80	7.36	6.98	3.69	2.63	0.75	3.46	0.58	0.37	30.06
Harlan	0.34	1.67	1.10	0.99	8.48	6.34	1.68	3.63	1.05	3.52	0.79	0.27	29.86
Hopeville	0.28	0.99	0.78	0.83	9.64	3.83	3.42	5.94	1.75	5.19	2.58	0.23	35.46
Humboldt	0.18	1.18	0.78	2.74	9.66	6.35	3.78	5.88	1.80	5.73	1.60	0.33	40.01
Independence	0.20	0.85	3.12	2.17	7.66	4.72	2.03	2.78	2.93	2.80	0.94	0.90	31.10
Indianola	0.45	1.04	1.46	3.10	7.93	4.31	1.43	9.45	0.36	4.24	1.21	0.45	35.43
Inwood	0.17	1.74	1.45	4.59	6.30	6.69	3.20	1.94	1.24	2.67	1.96	0.81	32.76
*Iowa City	0.32	2.08	2.94	2.76	7.78	2.87	5.40	7.47	1.82	1.99	1.84	0.43	37.70
*Iowa Falls	0.35	2.09	1.35	1.72	7.83	5.71	2.66	5.48	1.52	4.69	1.35	0.55	35.30

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Iowa—Continued.													
Jefferson	0.45	1.90	1.75	.....	.....	.....	3.92	.....	0.25	.....	1.95	0.22	.....
*Keokuk	0.51	2.86	1.76	1.82	10.09	4.32	3.70	2.50	2.22	0.87	3.05	0.58	34.28
*Keosauqua	0.56	2.19	1.35	1.32	12.54	5.18	3.53	4.63	1.05	0.73	2.48	0.16	35.72
Knoxville	0.40	1.24	1.45	4.30	10.09	2.51	3.01	8.59	0.88	2.57	1.11	0.36	36.45
Lacona	0.65	1.62	1.42	2.73	8.86	3.10	4.02	5.36	1.08	4.23	1.78	0.32	35.17
Lamoni	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.83	2.30	0.23	.....
Larrabee	0.24	1.64	1.64	2.20	9.77	4.49	5.24	4.26	0.59	2.78	1.42	0.75	35.02
*Le Claire	0.55	2.81	3.74	2.80	6.55	3.57	4.31	5.59	1.34	0.91	3.14	0.47	35.78
Le Mars	0.19	1.35	0.82	3.82	8.20	4.14	3.63	2.35	0.82	3.48	0.72	0.85	30.37
Lenox	0.35	1.10	0.55	1.06	8.02	6.52	3.12	4.02	0.78	7.57	0.90	0.33	34.32
Leon	0.30	1.30	1.17	1.19	10.08	4.62	1.91	3.75	0.76	5.45	2.69	0.30	33.52
Little Sioux	0.35	2.45	0.94	0.67	7.76	9.77	5.09	4.04	0.81	3.09	0.86	0.18	36.01
Logan	0.60	2.71	0.88	0.97	5.94	8.02	2.06	2.35	0.79	2.73	0.80	0.22	28.07
Maple Valley	0.27	1.72	1.58	2.43	8.71	8 50	9.21	5.46	0.61	3.29	1.72	0.52	44.02
*Marshalltown	0.70	1.48	1.59	2.40	6.21	3.60	3.56	3.27	1.28	2.62	1.16	0.56	28.43
Mason City	0.55	0.87	1.68	2.50	7.22	8.20	3.38	3.12	0.75	3.73	1.38	0.90	34.28
Massena	0.32	1.19	.....	.....	.....	6.86	.....	.....	.....	.....	.....	.....	.....
Montezuma	.....	.....	.....	.....	7.50	.....	3.09	4.40	1.35	.....	.....	.....	.....
Mount Ayr	0.23	2.28	0.85	1.56	8.89	5.31	3.55	5.25	1.11	7.23	2.02	0.10	38.38
*Mount Pleasant	0.72	2.69	2.13	1.28	8.98	4.64	4.44	3.14	2.29	1.01	2.33	0.41	34.06
*Muscatine	1.12	2.07	.....	2.35	5.97	4.05	4.25	8.35	2.73	1.98	2.78	0.50	.....
New Hampton	0.30	0.92	1.34	1.94	7.80	6.07	3.81	3.15	1.37	2.54	1.52	1.20	31.96
Newton	0.47	2.25	1.78	2.26	7.01	.....	3.48	5.42	0.82	3.02	1.15	0.36	.....
Northwood	.....	2.71	2.15	3.75	8.64	7.09	5.43	2.53	1.10	3.99	1.86	1.56	.....
Odebolt	0.26	0.70	1.11	1.82	8.90	8.79	4.75	6.83	1.05	3.75	1.34	0.15	39.45
Olin	0.55	3.95	2.60	3.00	7.04	3.40	2.83	3.17	1.16	1.59	.....	.....	.....
Onawa	0.25	2.36	1.14	0.97	7.46	7.72	2.76	3.53	0.68	3.20	0.88	0.38	31.33
Osage	0.46	1.00	2.09	2.65	10.19	7.45	2.34	3.03	0.70	3.26	1.71	1.48	36.36
Oskaloosa	0.38	1.59	1.47	3.52	7.65	2.12	0.70	9.91	1.28	1.86	2.27	0.25	33.00
Ottumwa	0.35	2.34	1.64	1.65	11.85	3.90	1.90	6.03	0.47	1.23	1.87	0.30	33.53
Pacific Junction	0.41	2.53	1.27	0.89	8.53	7.79	2.10	2.76	0.56	3.44	0.21	0.35	30.84
Pella	0.37	1.63	1.51	3.65	8.62	2.43	1.88	10.58	1.55	2.82	.....	.....	.....
Perry	.....	.....	1.61	4.16	9.55	5.04	3.43	5.86	0.55	4.55	1.46	0.48	.....
Plover	0.20	1.76	1.44	3.24	7.57	11.88	2.90	5.99	1.42	5.79	1.53	0.75	44.47
Pocahontas	0.28	1.17	1.35	2.74	6.68	9.24	2.73	5.52	0.90	4.16	1.66	0.83	37.26
Ridgeway	0.55	2.07	2.36	2.49	9.08	6.95	5.68	2.55	1.73	2.13	1.34	2.07	39.00
Rock Rapids	0.20	1.25	.....	3.75	5.73	5.72	3.36	1.35	1.76	.....	.....	.....	.....
Rockwell City	0.60	2.45	2.48	2.50	6.70	10.65	8.10	7.45	1.10	5.20	1.85	0.90	49.98
Sac City	0.50	1.75	.....	.....	.....	.....	.....	6.73	.....	.....	.....	.....	.....
St. Charles	0.47	1.49	1.52	1.81	8.86	6.94	3.86	6.61	0.88	4.27	1.97	0.50	39.18
Sheldon	0.61	2.67	1.90	3.89	9.60	5.35	5.34	5.35	1.12	4.73	1.76	1.40	43.72
*Sibley	0.10	1.65	1.62	3.26	10.45	7.82	3.87	4.58	2.07	2.34	2.02	0.96	40.74
Sigourney	0.43	1.94	2.34	3.00	8.27	1.77	1.69	6.45	0.95	1.56	2.07	0.32	30.79
Sioux Center	0.20	.....	1.35	4.00	5.30	4.81	3.95	3.11	1.15	2.76	1.59	0.82	.....
*Sioux City	0.22	1.18	0.64	1.64	6.19	4.67	2.73	4.28	1.02	2.80	0.73	0.34	26.44
Stockport	0.50	1.86	1.61	1.03	11.26	3.92	5.91	5.60	2.06	0.78	2.33	0.18	37.04
Storm Lake	0.13	1.67	1.22	2.56	7.37	9.63	5.26	5.69	1.15	3.47	1.60	0.45	40.20
Stuart	0.36	.....	1.21	2.43	9.40	.....	6.98	8.22	0.74	4.80	1.23	.....	.....
Thurman	0.51	1.89	1.38	0.82	8.04	10.49	4.17	5.50	0.75	4.10	0.57	0.30	38.52
Tipton	0.73	2.00	3.47	2.24	5.72	2.26	4.35	4.95	1.55	1.55	1.96	.....	.....
Toledo	0.50	1.55	.....	2.10	9.43	3.88	3.29	3.00	2.25	3.00	1.30	0.60	.....
Wapello	0.40	1.43	2.20	1.51	6.40	4.20	3.31	5.87	3.31	.....	2.56	0.28	.....
Washington	0.46	1.69	2.02	2.75	10.18	3.19	4.54	7.76	1.02	1.02	2.01	0.30	36.94
Washta	0.30	1.20	0.85	1.01	8.56	6.51	3.78	4.73	0.75	2.57	0.70	0.50	31.46
*Waterloo	0.37	2.06	1.61	2.40	6.49	4.29	4.87	3.61	1.38	2.76	1.72	0.57	32.13
Waukee	1.05	1.35	1.23	2.11	10.38	5.79	5.67	6.65	1.00	6.30	1.18	0.06	42.77
Waverly	0.52	1.30	1.59	2.33	6.22	4.97	3.75	4.60	1.09	2.83	1.45	0.68	31.33
Webster City	0.45	0.85	0.94	2.19	6.51	5.09	2.79	5.05	0.36	4.79	1.12	0.40	30.54
West Bend	0.47	1.12	1.62	2.51	6.63	9.28	3.00	6.04	0.57	3.27	1.41	0.75	36.67
Whitten	0.80	0.92	1.80	1.98	5.79	3.42	2.08	4.00	0.93	3.57	1.29	0.05	26.63
Wilton Junction	0.10	.....	2.32	3.02	6.66	3.47	6.22	6.76	2.24	1.61	2.39	0.18	.....
Winterset	0.45	1.48	1.83	1.46	9.16	6.40	3.72	6.05	0.70	5.64	2.34	0.50	39.73
Woodburn	.....	.....	0.73	1.10	9.26	3.85	2.55	3.05	1.15	4.15	1.41	0.40	.....
Zearing	0.54	0.99	1.13	1.64	6.87	4.74	1.43	.....	.....	4.48	0.95	0.42	.....
Kansas.													
Agriculture College	0.15	1.61	0.40	2.93	9.32	10.18	5.66	9.53	0.62	1.82	1.47	0.37	44.06
*Abilene	0.06	0.42	0.06	2.72	7.26	7.60	4.78	4.38	1.44	1.46	1.94	0.34	32.46
Alton	.....	.....	0.00	0.41	4.42	5.83	5.54	3.26	1.33	1.36	1.52	T.	.....
Anthony	.....	0.22	0.77	1.98	5.83	6.37	3.53	2.16	4.17	2.20	2.85	0.02	.....
Ashland	0.02	1.09	0.20	1.35	1.65	11.36	2.99	4.33	1.14	2.06	3.20	0.05	29.44
Atchison	0.02	1.55	0.73	2.50	8.74	7.42	3.40	7.50	.....	4.10	2.25	0.32	.....
*Baker	T.	1.40	0.70	3.99	7.99	11.67	4.47	5.09	0.95	3.85	1.15	T.	41.26
*Beloit	T.	1.18	0.09	1.02	4.32	8.57	5.88	.....	.....	.....	.....	.....	.....
Blakeman	.....	.....	.....	.....	.....	3.41	4.04	3.98	0.98	1.43	1.73	0.01	.....
*Blue Rapids	T.	1.21	0.24	1.80	5.49	13.11	3.31	.....	.....	.....	.....	.....	.....
Burlington	0.33	2.73	0.59	2.61	8.40	9.82	2.46	2.80	2.47	6.06	3.94	0.34	42.55
Chapman	T.	1.45	0.25	1.82	8.22	11.66	1.86	6.49	0.88	1.23	1.43	0.15	35.44
Cimarron	T.	0.56	T.	1.89	0.76	7.77	2.85	1.24	1.17	1.52	1.95	T.	19.71
Clay Center	T.	0.68	0.30	1.50	6.33	11.13	4.88	6.43	1.56	1.21	0.95	0.20	35.17
Colby	0.08	0.65	0.04	0.19	1.76	4.74	2.08	1.67	1.00	1.09	1.36	0.06	14.72
Coldwater	T.	0.72	0.11	0.77	1.58	7.57	1.49	2.23	1.22	1.72	1.99	T.	19.40
Columbus	1.73	6.19	3.55	6.86	8.21	7.17	3.11	1.70	3.15	5.56	6.97	0.79	54.99
*Concordia	0.01	1.03	0.15	0.86	6.51	13.74	6.77	8.56	1.79	1.74	0.71	0.01	41.88
Coolidge	0.00	1.00	0.00	0.32	1.12	1.87	3.28	0.65	0.27	2.40	1.80	0.07	12.78
Cottonwood Falls	0.21	2.46	0.65	1.86	9.53	11.92	5.58	3.90	1.70	2.87	.....	T.	.....
Council Grove	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.09	0.01	.....
Cunningham	T.	0.65	0.25	0.25	2.65	8.29	4.11	5.07	3.40	0.85	1.96	.....	.....
*Dodge City	0.04	0.77	0.12	1.35	0.90	8.76	1.67	1.51	1.11	1.17	2.17	0.04	19.61
*Dresden	0.05	1.37	0.04	1.33	3.30	3.33	2.85	4.20	0.42	2.41	1.37	T.	20.67
El Dorado	0.27	2.71	0.95	1.70	7.05	7.41	3.04	6.11	3.10	3.97	3.20	0.15	39.66
Ellinwood	0.01	0.70	0.12	4.44	2.65	7.81	5.76	4.59	1.24	1.67	1.96	0.08	31.03
Ellsworth	0.07	0.66	0.12	2.21	2.40	7.67	3.61	2.74	1.55	1.96	1.32	0.20	24.61

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Kansas—Continued.													
Emporia	0.24	2.61	0.92	2.79	9.18	8.10	3.46	3.37	1.07	4.18	2.36	T.	38.28
Enterprise	T.	0.65	0.10	2.13	7.31	9.67	2.42	4.73	0.96	1.35	1.56	0.17	31.05
Eskridge	0.02	1.87	0.32	1.94	10.72	10.89	1.87	5.82	0.77	3.03	1.89	0.10	39.24
Eureka	0.46	2.46	1.97	2.10	8.91	7.96	3.71	4.92	1.13	5.65	4.46	0.24	43.97
Fall River	0.70	3.00	2.39	1.70	6.25	10.74	3.44	2.37	2.69	9.95	5.85	0.25	49.32
Farnsworth	0.06	0.79	0.07	0.16	3.71	3.21	2.73	3.82	1.11	1.66	2.48	0.10	19.90
*Fort Scott	0.81	4.16	3.16	3.88	6.14	8.70	3.45	2.88	2.43	6.94	5.43	0.86	48.84
Frankfort	0.02	1.52	0.60	3.05	10.14	15.00	3.80	11.45	0.47	2.84	0.85	0.20	49.94
Fredonia					5.12	8.91	2.89	2.88	3.20	9.15	5.98	0.31	.....
Garden City	0.08	0.67	0.18	0.53	1.29	4.95	1.75	2.18	1.04	1.07	2.72	0.23	16.69
Garnett	0.40	2.77	.....	3.48	6.86	9.52	.....	.....	.....	8.51	3.16	0.35	.....
Goodland	0.10	1.54	0.11	0.17	2.19	3.15	2.59	3.75	0.21	3.56	3.20	0.17	20.74
Gove	0.15	1.02	0.05	0.51	3.79	4.08	4.43	2.92	1.40	1.36	2.01	0.19	21.91
Greensburg	T.	1.18	0.18	1.28	1.41	7.63	6.14	4.18	2.16	2.02	2.62	0.00	28.80
Grenola	0.59	4.06	3.43	2.96	8.80	8.68	2.61	3.73	4.75	6.22	4.95	0.10	50.88
Hanover	0.07	1.56	0.20	2.27	11.20	11.60	4.84	4.57	1.55	1.72	0.58	0.10	40.26
Harrison	T.	1.21	0.04	1.30	3.75	9.03	4.83	5.87	1.03	1.79	0.90	0.10	29.85
Hays	T.	0.92	T.	2.18	3.06	6.02	2.90	5.86	0.81	1.76	1.79	0.03	25.33
Hill City	.....	.....	.....	.....	.....	10.41	5.11	2.76	0.42	1.35	2.09	0.01	.....
Horton	T.	1.95	0.64	2.65	9.00	10.49	4.86	4.38	0.70	3.99	1.10	0.10	39.86
Howard	0.63	3.05	2.77	3.50	8.02	10.14	3.19	4.07	2.95	7.58	4.47	0.25	50.62
Hoxie	T.	1.14	0.12	0.50	2.49	6.73	3.65	2.16	0.49	2.33	1.45	0.10	21.16
Hugoton	0.10	.....	.....	.....	0.03	5.35	3.55	1.06	0.16	0.93	1.57	0.00	.....
Hutchinson	0.11	0.58	0.18	2.30	7.26	8.54	3.71	3.70	2.15	1.31	1.51	T.	31.39
Independence	1.13	5.71	4.18	4.70	5.79	11.65	1.50	2.53	4.36	12.54	5.92	0.28	60.29
*Iola	0.65	2.93	2.09	5.95	4.31	7.40	2.18	3.29	1.03	8.72	6.16	0.59	45.30
Jetmore	T.	0.86	0.19	0.74	1.36	6.05	1.90	1.97	0.68	1.72	2.24	T.	17.71
Jewell	T.	1.54	T.	0.45	4.02	7.65	9.69	4.49	1.10	1.83	1.00	T.	31.77
Kingman	T.	1.23	0.40	0.72	4.20	8.19	2.49	3.77	4.29	1.03	2.03	T.	28.35
La Crosse	T.	1.00	0.04	0.60	5.25	7.15	1.93	2.51	0.76	1.65	2.80	0.03	23.72
Lakin	0.08	0.67	0.12	0.37	0.65	3.72	1.34	1.47	0.52	1.15	1.60	T.	11.69
Larned	T.	1.30	0.24	1.13	2.90	7.52	5.05	.....	1.78	1.80	1.87	T.	.....
Lawrence	0.05	2.39	0.86	2.80	7.38	10.57	2.53	6.86	0.58	9.97	3.95	0.20	48.14
Lebanon	0.01	1.33	0.10	0.90	4.30	7.79	4.80	4.56	1.38	1.52	1.60	0.04	28.33
Lebo	0.37	2.74	0.72	2.01	11.21	7.59	3.08	5.67	1.46	5.77	2.83	0.25	43.70
Liberal	T.	1.80	T.	0.71	0.43	4.31	3.09	0.65	0.59	1.16	1.73	0.00	14.47
*Lindsborg	0.00	0.45	0.20	1.71	5.12	5.77	.....	.....	.....	.....	.....	.....	.....
*Macksville	T.	0.81	0.10	1.48	2.97	9.38	5.86	4.62	1.25	1.85	2.58	T.	30.90
*McPherson	0.06	0.86	0.28	2.17	5.95	9.27	3.36	5.10	2.65	1.71	2.19	0.06	33.66
Madison	0.47	2.31	0.82	1.37	9.89	9.65	2.60	3.54	4.71	8.27	3.18	0.23	47.04
*Manhattan	0.03	1.48	0.32	2.90	9.42	9.94	6.43	10.26	0.64	1.72	1.19	0.35	44.68
Marion	0.20	1.59	0.39	1.48	8.72	6.74	1.29	3.98	3.06	1.57	2.03	0.12	31.17
Medicine Lodge	.....	.....	0.69	0.81	6.11	8.04	3.33	2.21	3.15	1.72	2.12	0.03	.....
Minneapolis	T.	0.55	0.02	1.49	5.53	12.29	2.73	4.87	2.02	1.81	0.85	0.10	32.26
Moran	0.55	2.83	2.42	5.85	5.06	8.89	4.02	2.44	1.68	8.92	5.15	0.85	48.66
Mount Hope	0.17	1.28	0.35	0.81	6.86	5.53	3.07	4.89	3.02	1.45	1.73	0.00	29.16
*Neosho Rapids	0.30	2.36	0.70	3.76	10.30	9.02	4.75	4.03	1.12	6.14	2.98	0.22	45.68
Ness City	.....	.....	0.10	1.24	3.63	4.60	1.37	2.74	0.63	1.76	1.87	T.	.....
Newton	0.15	1.52	1.23	0.92	10.89	5.69	4.60	5.35	2.26	1.88	2.05	0.00	36.54
Norton	T.	1.23	0.10	0.28	4.12	6.19	8.35	5.56	0.38	0.75	1.91	0.00	28.87
Norwich	0.14	1.45	0.65	1.04	6.63	9.04	1.37	2.38	2.48	1.93	2.37	T.	29.48
Oberlin	0.10	1.40	T.	0.48	1.54	2.26	3.13	4.65	.....	.....	.....	.....	.....
Oketo	.....	.....	.....	.....	10.37	9.14	3.50	.....	2.42	2.08	0.49	0.09	.....
Olathe	0.20	2.72	0.59	2.72	6.11	11.76	3.25	5.50	0.32	7.52	3.47	0.31	44.47
*Osage City	T.	1.85	0.83	3.43	10.15	11.17	5.12	5.71	0.79	6.20	2.24	0.17	47.66
Oswego	1.03	5.42	3.16	6.02	5.29	9.23	2.16	1.60	2.84	7.79	7.32	1.00	52.86
Ottawa	0.28	2.84	1.44	3.29	8.80	10.25	2.31	4.67	0.42	7.66	3.44	0.28	45.68
Paola	0.32	3.01	0.75	3.30	6.75	8.45	3.08	5.67	1.55	8.85	3.56	.....	.....
Phillipsburg	T.	1.24	0.04	0.96	2.95	7.64	3.10	4.61	0.69	1.90	1.42	0.05	24.60
Plainville	0.10	1.40	0.10	1.30	4.75	12.07	3.52	3.26	1.37	.....	1.70	.....	.....
Pleasanton	0.65	3.60	3.75	3.75	5.31	11.49	2.61	3.31	1.08	8.41	5.19	1.18	50.33
Pratt	T.	1.43	0.05	2.61	2.27	6.22	3.26	2.88	3.05	1.70	3.66	T.	27.13
Republic	0.02	1.25	T.	0.75	3.87	14.52	7.47	6.33	1.42	1.75	0.93	0.15	38.46
Rome	0.92	2.95	2.04	3.72	9.25	8.14	3.60	1.45	4.66	4.37	4.21	0.03	45.34
*Russell	T.	1.39	0.05	1.43	4.26	10.75	3.05	4.55	3.57	1.60	1.21	0.05	31.91
St. Francis	.....	.....	.....	.....	2.68	4.14	3.16	3.70	0.03	4.12	2.85	0.06	.....
Salina	0.06	0.57	0.11	3.65	5.01	8.21	2.43	3.72	2.73	1.70	1.32	0.09	29.60
Scott	0.14	1.57	T.	0.07	1.78	3.64	2.73	2.06	2.56	1.78	2.27	0.30	18.90
*Sedan	1.02	3.78	3.91	4.17	6.68	11.03	1.08	1.80	4.94	8.34	5.11	0.13	51.99
*Topeka	0.09	2.40	0.68	2.05	9.07	9.80	3.91	7.76	0.19	4.23	2.83	0.19	43.20
*Toronto	0.90	3.08	2.10	2.85	5.60	9.90	3.28	2.90	1.45	9.40	4.83	0.50	46.79
Ulysses	0.00	0.54	0.05	1.02	1.12	5.88	2.92	1.18	0.66	1.02	1.45	T.	15.84
Valley Falls	0.05	2.21	0.70	3.71	9.90	14.11	3.06	4.36	2.23	4.42	2.52	0.14	45.41
Wakeeney	T.	0.63	0.05	0.41	4.25	4.46	3.27	2.47	0.85	1.32	2.64	T.	20.35
Wallace	T.	0.72	0.04	0.09	2.37	1.55	4.00	2.39	0.42	1.80	1.84	0.13	15.35
Walnut	0.95	4.41	3.79	3.93	6.23	8.34	2.18	1.73	2.72	8.79	5.76	0.45	49.28
Wamego	0.01	1.48	0.51	2.41	8.60	9.98	4.15	7.00	0.27	1.99	1.52	0.28	38.20
Wellington	0.25	3.08	1.15	2.22	.....	11.77	1.45	2.29	3.50	4.35	4.60	0	.....
*Wichita	0.16	2.50	0.80	1.77	9.28	5.85	2.96	6.57	3.21	2.24	2.34	0.03	37.71
Winfield	0.33	4.10	2.40	3.82	8.16	10.95	3.26	3.20	3.23	3.70	3.60	0.05	46.80
Yates Center	0.64	2.94	2.10	2.90	6.74	10.20	1.98	3.40	1.07	9.84	3.16	0.34	45.31
Kentucky.													
Alpha	1.30	5.50	3.25	6.04	3.71	1.50	8.92	3.88	1.98	T.	3.52	2.83	42.43
Anchorage	1.87	.....	5.08	7.48	3.09	1.88	4.85	0.90	1.50	0.13	1.79	2.48	.....
Bardstown	1.49	6.35	5.69	6.97	4.57	2.41	5.99	2.40	0.24	0.29	2.01	3.02	41.43
*Beattyville	3.04	6.04	7.46	8.42	4.51	2.22	5.76	4.64	1.32	2.50	1.86	4.42	52.19
*Beaverdam	1.71	5.74	3.81	5.93	2.46	3.03	3.22	5.27	0.50	T.	2.22	1.55	35.44
Berea	2.99	5.33	6.58	4.01	3.95	3.60	6.00	3.44	1.04	0.94	1.57	2.80	42.25
Blandville	3.72	8.32	2.89	7.73	5.04	6.51	1.76	3.25	0.41	0.03	4.36	1.74	45.76
*Bowling Green	1.68	5.46	4.75	6.08	3.91	7.21	1.61	3.03	1.34	0.20	4.08	2.27	41.62
*Burnside	2.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cadiz	2.43	5.88	3.74	6.67	.....	.....	.....	.....	.....	.....	.....	.....	.....
Calhoun	2.75	7.11	3.21	6.59	4.24	3.05	2.17	3.47	1.02	0.05	1.59	1.56	36.81
*Catlettsburg	1.90	3.66	8.56	7.26	4.58	4.26	4.16	0.98	0.50	1.80	1.40	3.22	42.28

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
***Kentucky*—Continued.**													
*Earlington	2.73	6.25	3.91	5.95	3.64	2.99	2.09	4.37	1.33	T.	2.10	1.38	36.74
Edmonton	3.38	5.41	6.37	6.65	5.68	.....	.....	4.68	4.43	0.88	4.86	2.85	.....
*Eubank	1.64	4.98	5.90	5.95	3.71	1.25	5.90	4.23	1.38	1.08	2.74	0.67	39.43
*Falmouth	1.79	5.41	5.86	6.12	5.18	2.95	3.70	0.07	0.70	0.79	1.43	1.92	35.92
*Farmers	1.85	4.44	8.53	7.38	4.96	2.87	5.02	ε 2.90	0.88	1.64	1.80	3.30	ε 45.57
*Frankfort	1.46	6.01	8.38	8.61	3.51	1.90	6.33	0.87	0.37	0.63	2.16	2.65	42.88
Franklin	2.66	5.67	4.16	6.95	5.66	6.86	2.83	2.61	1.71	0.10	2.09	2.05	43.35
*Greensburg	1.41	6.84	6.81	7.42	3.89	3.43	4.75	3.43	1.41	0.83	3.20	1.65	45.07
*Highbridge	1.40	5.12	5.66	7.68	4.42	3.55	3.51	1.46	0.80	0.80	2.14	2.56	39.10
*Hopkinsville	2.85	6.04	4.08	5.88	4.55	6.40	2.25	2.75	0.65	0.00	4.98	1.79	42.22
Irvington	1.98	5.97	5.24	7.69	3.73	3.12	3.87	1.82	0.75	T.	2.15	2.14	38.46
Leitchfield	2.33	6.48	3.52	7.44	2.95	3.08	3.60	5.07	1.08	T.	3.73	2.30	41.58
*Lexington	1.85	4.81	8.17	4.99	4.20	2.12	3.60	2.98	0.38	0.72	1.65	2.13	37.60
Loretto	3.25	4.25	5.36	5.22	4.62	4.42	4.43	1.76	0.44	0.61	2.77	2.28	39.41
*Louisville	1.98	5.68	6.54	6.06	4.26	3.27	3.61	2.29	0.59	0.07	1.65	1.85	37.85
Lynnville	2.34	5.95	3.07	6.36	4.11	5.16	2.33	3.65	0.46	T.	7.98	1.43	42.84
Marion	3.22	5.40	3.30	6.50	6.26	4.42	3.14	3.66	1.73	0.13	3.78	1.78	43.32
Maysville	1.60	5.98	7.64	7.66	4.86	4.70	4.02	2.38	0.76	1.57	1.76	2.77	45.70
Middlesboro	3.99	6.73	3.72	5.89	2.72	4.33	8.71	4.49	2.65	2.94	2.53	4.90	53.60
*Mount Sterling	1.83	6.38	8.18	8.08	7.40	1.90	4.87	3.20	0.57	1.83	2.61	3.64	50.49
*Owensboro	1.75	5.99	3.72	8.48	4.22	2.46	1.94	2.51	0.74	0.08	1.46	1.65	35.00
Owenton	2.82	5.67	6.15	5.68	.....	2.08	2.14	0.45	0.32	0.70	1.89	2.43	.....
*Paducah	2.32	8.26	3.32	6.78	4.22	3.26	3.42	4.97	0.57	0.20	5.01	1.49	43.82
Pikeville	2.89	2.21	4.44	5.23	.....	3.60	.....	2.58	.....	2.10	1.42	4.68	.....
*Richmond	1.49	4.65	6.00	6.22	4.87	2.73	3.83	2.11	0.79	1.17	2.05	2.22	38.13
*St. John	2.05	7.63	4.98	7.14	4.10	2.96	3.27	2.63	0.55	0.05	2.61	3.18	41.15
Scott	1.35	5.47	5.86	4.70	4.44	2.51	1.59	1.15	0.28	0.63	1.40	1.75	31.13
Shelby City	2.07	5.36	5.95	6.58	4.10	2.74	3.25	3.39	0.70	0.77	2.90	2.16	39.97
*Shelbyville	1.22	6.28	6.84	7.55	4.42	2.99	4.55	1.30	0.53	0.36	2.31	3.07	41.42
Taylorsville	1.97	5.24	5.64	8.23	5.27	3.25	5.42	1.80	1.11	0.16	2.34	2.25	42.68
West Liberty	2.02	3.30	7.78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Williamsburg	1.98	1.81	3.25	3.40	3.97	2.45	3.35	3.25	3.45	2.15	2.20	3.60	34.86
*Williamstown	1.34	4.42	4.27	4.42	3.71	3.44	1.78	0.45	0.31	0.93	1.36	1.72	28.15
Louisiana.													
Abbeville	3.29	2.45	1.15	1.90	7.33	2.64	14.70	7.20	8.91	0.40	2.04	4.64	56.65
*Alexandria	.....	.....	3.17	6.47	5.48	2.70	9.48	7.57	3.96	0.15	2.08	1.92	.....
*Amite	5.74	9.89	2.82	3.64	16.55	5.69	14.75	7.52	8.55	0.84	1.62	3.41	81.02
*Baton Rouge	4.59	6.55	1.06	6.08	15.62	2.81	14.23	10.01	4.95	0.47	1.00	1.71	69.08
Burnside	4.36	3.77	1.12	3.74	.....	4.55	13.11	6.19	6.50	0.77	.....	1.79	.....
*Burrwood	2.84	5.15	1.10	2.75	0.23	6.52	12.90	5.40	14.27	0.33	0.24	2.83	54.56
Calhoun	.....	.....	.....	4.28	12.03	2.13	4.19	7.41	4.32	T.	3.47	6.56	.....
Cameron	2.77	2.60	1.42	2.17	9.50	6.41	11.96	5.69	24.28	0.16	4.48	2.24	73.68
*Cheneyville	3.25	8.10	1.00	6.01	5.25	3.25	9.17	5.42	2.10	0.35	3.92	2.80	50.62
*Clinton	5.35	7.91	3.69	6.98	9.80	3.72	11.07	9.28	7.31	0.66	1.30	4.37	71.44
Collinston	4.78	11.22	5.50	5.79	8.12	4.94	.....	.....	.....	.....	.....	.....	.....
*Covington	4.45	4.13	1.67	7.13	9.00	5.33	14.97	4.28	9.17	0.68	0.22	1.29	62.27
Dodson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.80	3.96	.....
*Donaldsonville	4.05	2.69	1.25	1.53	3.98	5.56	15.41	6.11	6.58	1.35	0.45	1.43	50.39
Farmerville	4.37	7.76	5.13	3.35	12.48	3.08	5.80	8.82	4.28	0.00	.....	5.25	.....
Ferriday	4.31	11.31	3.43	3.30	4.12	4.96	6.90	5.45	2.01	.....	.....	2.30	.....
*Franklin	3.42	3.10	1.81	1.62	1.40	3.18	29.28	7.38	14.21	0.60	1.06	1.66	68.72
*Grand Cane	2.96	6.89	3.38	2.98	6.14	3.06	2.16	4.22	2.22	0.00	6.32	2.87	43.20
Grand Coteau	5.50	5.10	2.73	6.22	8.52	9.91	11.49	5.52	4.94	0.34	2.42	5.48	68.17
Houma	3.66	3.60	2.92	1.97	4.78	5.31	19.59	3.31	15.00	1.41	1.55	1.72	64.82
Hudson	3.28	9.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Jennings	3.38	3.38	1.77	2.99	8.76	4.46	10.57	5.51	4.94	3.02	2.31	3.96	55.05
*Lafayette	4.06	3.83	2.02	6.11	7.57	5.46	13.17	5.69	6.83	0.49	1.36	5.30	61.89
*Lake Charles	3.40	5.80	2.20	3.90	6.40	2.50	11.45	9.40	7.10	0.00	3.69	2.10	57.94
Lakeside	4.96	1.27	1.74	3.25	5.56	6.70	11.99	2.49	9.29	0.32	3.59	1.67	52.83
Lawrence	5.86	5.03	3.40	3.24	2.30	3.60	12.32	14.80	16.01	0.54	1.16	2.18	72.44
Liberty Hill	3.19	7.58	5.20	4.77	8.84	3.50	7.90	6.79	3.75	T.	8.49	5.89	65.90
*Logansport	3.06	6.76	3.23	2.65	9.18	2.69	3.36	5.24	3.19	0.00	5.37	5.55	50.28
*Melville	4.32	7.05	3.96	6.62	9.20	1.75	9.45	10.05	4.15	0.20	0.48	2.63	59.86
*Minden	2.94	6.77	3.54	3.19	14.73	3.63	5.05	3.15	1.85	0.03	6.41	4.36	55.65
*Monroe	2.90	8.30	5.68	5.06	8.80	3.44	4.08	5.73	4.40	0.70	3.94	5.51	.....
*Morgan City	3.08	2.34	2.12	1.44	1.68	.....	11.60	7.57	9.51	.....	.....	2.70	.....
Newellton	3.20	9.85	4.70	4.52	5.08	4.45	2.88	8.85	1.55	0.00	3.35	4.20	52.63
New Iberia	4.05	2.20	0.70	3.85	5.20	3.70	20.85	9.90	5.50	1.25	1.25	2.75	61.20
*New Orleans	4.50	4.14	3.28	1.34	4.77	2.39	11.03	5.65	1.07	0.78	0.69	1.79	51.06
*Opelousas	4.15	5.85	2.73	7.73	9.46	2.43	16.73	8.12	2.95	0.48	2.28	4.63	67.54
*Pearl River	4.64	5.54	2.84	3.38	8.66	3.30	10.42	7.84	8.65	1.20	0.85	2.62	59.94
Plain Dealing	2.68	4.45	2.79	4.15	13.13	1.93	.....	2.18	2.29	0.21	3.39	4.30	.....
*Rayne	4.83	3.43	2.09	3.81	4.44	3.15	10.97	7.36	5.69	0.42	2.09	5.29	53.57
Reserve	2.70	3.60	1.80	3.40	2.55	3.90	8.90	5.40	9.07	0.20	0.00	1.09	42.61
*Robeline	0.63	6.58	7.44	4.40	6.03	0.75	4.79	8.37	5.18	T.	5.55	5.53	55.25
Ruston	2.55	7.50	5.10	3.30	8.40	6.60	10.15	6.88	3.59	0.00	4.82	6.75	65.64
*Schriever	4.05	3.35	3.58	2.44	4.56	8.35	15.66	7.03	12.04	2.15	0.31	1.27	64.79
*Shreveport	2.20	4.78	2.64	3.91	14.11	1.61	3.93	3.07	5.01	T.	3.80	2.13	47.19
*Simmesport	4.42	5.92	3.14	8.29	6.46	3.98	9.60	3.64	4.54	0.10	2.30	3.80	56.19
Southern University Farm	4.01	4.33	3.02	3.86	4.48	3.82	9.13	6.65	9.45	0.45	1.13	0.70	51.03
St. Francisville	.....	6.35	5.20	6.24	7.87	5.75	12.31	7.08	8.58	0.23	0.80	5.13	.....
Sugartown	4.74	6.70	2.46	5.97	4.62	.....	8.39	9.85	5.45	0.00	4.46	4.46	.....
Tallulah	3.55	8.98	5.79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maine.													
Bar Harbor	5.39	5.88	3.40	3.25	3.75	1.65	3.50	2.23	2.25	5.65	1.69	5.95	44.59
Cornish	2.85	4.67	1.90	2.95	5.47	0.65	2.66	2.62	1.54	3.41	1.47	3.63	33.82
Eastport	4.17	3.71	3.96	2.64	2.58	1.01	1.95	3.32	1.60	4.09	1.52	5.01	35.56
Fairfield	1.61	3.68	1.77	1.93	4.52	2.17	2.41	3.05	0.56	3.64	1.15	2.07	28.56
Farmington	2.84	4.44	2.82	2.38	5.88	2.05	2.82	4.87	1.48	2.59	1.63	3.10	36.90
Gardiner	2.65	4.58	2.17	2.20	4.29	1.03	4.38	2.36	0.92	4.16	1.40	3.28	33.42
Greenville	2.63	4.93	2.95	2.14	5.50	2.83	5.18	7.96	1.90	2.08	1.92	2.59	42.61
Houlton	1.89	4.75	2.51	2.25	2.20	2.00	1.30	3.57	0.49	1.35	1.07	1.50	24.88

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Maine—Continued.													
Lewiston	2.82	4.68	2.18	2.64	4.94	0.90	3.66	2.73	0.80	5.01	1.61	4.16	36.13
Madison	2.75	4.52	2.48	2.56	6.59	1.63	3.91	5.18	1.40	3.51	1.53	2.47	38.53
Millinocket	2.52	3.82	2.65	1.93	5.16	2.10	2.35	5.01	2.46	3.30	1.88	3.32	36.50
North Bridgton	2.43	3.65	2.20	2.58	4.51	1.00	5.34	3.55	0.81	2.40	1.46	3.27	33.20
Orono	3.36	4.23	2.90	2.37	4.59	1.35	2.85	4.69	0.81	6.03	1.39	2.94	37.51
Patten							1.51	5.00	0.30			1.55	
*Portland	2.42	3.72	2.26	2.14	4.76	0.53	2.58	3.73	0.69	3.65	1.34	2.92	30.74
Rumford Falls	2.84	4.08	1.95	1.73	5.90	1.42	2.30	3.62	1.26	1.96	1.48	2.38	30.92
Van Buren	2.55	4.90	2.10	2.00	5.10	2.80	1.80	5.45	0.75	3.60		1.00	
Winslow	2.07	3.10	1.78	2.07	5.00	2.82	2.73		0.93	3.08	1.60	2.57	
Maryland.													
Annapolis	4.25	5.39	4.15	3.36	4.97	2.05	9.53	5.96	3.38	3.95	1.01	4.50	52.50
Bachmans Valley	2.44	4.42	3.41	1.81	15.32	1.31	6.58	3.81	1.98	2.10	0.70	1.48	45.36
*Baltimore	3.49	4.71	2.50	1.09	4.04	1.08	4.34	5.17	2.59	2.59	0.77	3.04	35.41
Cambridge	3.34	3.38	2.75	3.89	3.14	3.24	4.87	6.67	2.77	4.07	1.44	5.06	44.62
Cheltenham	3.77	4.08	2.24	1.53	3.13	2.14	6.07	10.61	3.95	3.00	0.98	3.60	45.10
Chestertown	3.61	5.42	2.31	2.43	4.75	1.27	2.07	6.17	2.67	3.19	1.19	4.26	39.34
Chewsville	3.25	3.35	3.47	2.51	7.12	2.24	4.57	1.98	1.56	2.44	0.85	1.25	34.59
Clear Spring	3.40	5.28	3.66	2.70	5.81	3.00	5.03	3.28	1.96	1.60	1.04	1.46	38.22
Coleman				2.36	5.85	1.06	2.65	5.41	3.51	2.89	1.17	3.66	
College Park	2.88	5.08	2.94	1.96	4.27	1.41		5.32	5.14	1.76	0.88	2.83	
*Cumberland	2.75	3.83	3.94	2.03	7.51	1.75	4.11	2.45	1.41	0.74	0.76	1.67	32.95
Darlington	2.11	5.81	2.53	1.59	4.77	1.49	7.03	6.39	3.79	2.38	1.02	2.76	41.67
Deer Park	4.00	4.47	7.34	4.63	9.65	2.38	4.40	3.50	0.84	0.67	0.78	3.68	46.34
Denton	2.95	3.66	1.68	3.04	5.03	2.92	3.54	6.50	2.28	2.06	1.18	4.90	39.74
Easton	2.92	3.05	1.57	2.83	3.66	1.61	4.73	7.60	2.07	3.92	1.10	4.52	39.58
Emmitsburg	3.73	7.02	3.50	2.36	11.74	1.21	3.22	3.32	1.96	3.13	0.53	1.76	43.48
Fallston	3.71	5.67	2.66	1.30	5.36	2.21	4.78	7.29	2.61	4.26	1.07	3.13	44.05
Frederick	3.22	4.49	2.81	1.82	8.13	1.56	2.90	3.93	2.14	2.16	0.73	2.07	35.96
Frostburg	3.28	5.26	5.22	3.54	9.13	1.77	4.35	3.19	1.53	2.34	1.23		
Grantsville	2.30	5.00	5.96	4.16	10.41	2.69	5.44	3.36	0.60	0.53	0.80	2.73	43.98
Great Falls	4.06	4.17	3.11	1.27	6.55	2.40	5.43	7.11	1.95	2.22	0.87	3.24	42.38
Green Spring Furnace	2.60	4.80	3.51	2.10	5.59	2.67	2.40	3.39	2.13	1.77	0.78	1.66	33.40
Jewell	3.94	2.77	1.36	2.02									
Keedysville	3.55	4.20	2.85	1.99	6.09	3.54	4.40	2.79	2.03	2.84	0.82	1.65	36.75
Laurel	3.85	2.38	2.70	1.20	3.88	1.20	6.56	7.43	3.55	2.50	1.10	3.80	40.15
Monrovia	3.39	3.42	2.49	1.71	9.64	2.47	3.10	6.09	1.75	2.51	0.83	2.01	39.41
Oakland	3.11	4.61	6.48	3.89	11.60	2.72	4.95	3.51	0.48	0.70	1.00	3.65	46.70
Ocean City		5.02			2.75								
Pocomoke City	2.49	3.43	3.00	1.86	3.08	3.23	4.93	4.41	1.79	1.54	1.10	3.81	34.67
Porto Bello		1.55	2.61	2.76	2.45	2.82	4.72	4.36	2.17	3.66	1.02	3.71	
*Princess Anne	2.46	3.34	2.82	2.48	3.07	2.28	5.29	4.09	2.10	2.49	0.94	4.25	35.61
Rockville	3.73	3.86	2.47	1.59	5.48		7.85	6.88	1.88	2.06	0.98		
Salisbury	4.93	1.97	2.64	2.62	4.59	2.78	2.73	4.80	3.26	2.27	1.11	4.20	37.90
Solomons	2.40	2.29	1.80	2.62	1.06	4.00	5.00	4.13	1.80	2.25	0.76	3.52	31.63
Sudlersville	3.14	3.77	2.21	2.63	7.00	2.33	5.67	4.21	2.38	2.72	1.30	4.67	42.03
Takoma Park	3.31	4.01	2.85	1.66	4.50	1.89	3.55	6.98	4.22	2.05	0.37	4.35	39.74
Taneytown	3.05	4.65	2.75	1.07	8.24	1.18	6.97	3.83	2.46	1.71	1.06	1.63	38.60
Towson										3.21	1.04	3.06	
Van Bibber	2.77	4.49	2.50	2.05			4.39	5.83		4.63	0.80		
Westernport	2.14	3.82	5.19	2.63	10.94	1.36	5.62	3.30	1.30	1.22	0.98	1.73	40.23
Woodstock	2.84	3.48	2.50	1.42	4.68			4.89	3.14	1.82	1.07	2.62	
Massachusetts.													
Amherst	2.25	3.53	2.86	1.97	4.35	0.76	3.28	4.27	1.73	1.57	1.06	3.05	30.68
Blue Hill	3.96	4.24	3.92	1.87	4.16	1.35	4.67	3.68	1.03	4.85	1.00	3.01	37.74
*Boston	2.47	2.96	2.97	1.70	3.78	1.06	3.17	4.35	0.68	3.70	0.74	2.47	30.07
Chestnut Hill	4.50	6.22	4.18	2.64	4.56	1.28	4.18	5.56	1.22	4.34	1.17	3.46	43.31
Clinton	3.63	3.99	2.97	2.46	5.17	1.17	3.94	6.86	1.19	2.30	1.33	3.49	38.50
Concord	2.82	4.31	2.78	1.34	5.07	1.02	3.42	5.22	0.75	2.57	0.95	2.75	33.00
Fall River	3.96	3.93	3.52	1.26	4.74	2.09	2.20	4.89	1.04	5.88	1.05	4.05	38.61
Fitchburg	2.19	4.10	2.36	1.61	5.22	1.15	0.40	7.32	1.06	1.90	0.93	2.82	35.06
Framingham	3.21	4.22	3.67	1.75	5.41	0.74	3.43	4.36	0.96	2.52	0.89	2.94	34.11
Groton	3.56	4.58	2.83	1.89	4.76	1.08	2.78	5.61	0.81	2.22		2.85	
Holyoke	3.60						4.69	5.90		2.28			
Hyannis	3.82	3.03	3.30	2.04	2.87	1.71	3.43	4.82	1.20	8.86	2.02	4.29	41.39
Lawrence	2.67	4.41	2.35	1.57	3.23	0.67	6.33	4.46	0.52	2.53	1.04	3.07	32.85
Lowell	3.20	4.96	2.71	1.96	4.19	0.93	3.04	4.29	0.34	2.57	1.14	3.03	32.36
Middleboro	3.29	4.17	3.80	2.68	2.46	2.05	3.01	4.97	0.91	6.68	1.18	3.80	39.00
Monson	3.55	4.44	3.62	2.31	4.96	2.55	2.34	5.56	1.50	1.73		3.00	
*Nantucket	3.78	3.71	2.74	3.55	1.27	1.66	1.00	4.28	2.98	4.97	0.95	4.89	35.78
New Bedford		5.50										5.99	
Norfolk	3.80	5.05	3.53	1.69	5.58	1.36	4.42	4.44	1.20	2.85	0.96	2.63	37.51
Northampton				2.39	5.54	1.00	3.79	5.00	1.22	2.70	1.10	1.77	
Plymouth	2.84	3.65	4.33	2.64	2.77	1.84	2.92	3.60		8.01	1.03	3.57	
Provincetown	3.09	4.55	4.53	2.12	2.60	1.92	1.75	3.41	1.21	7.47	1.65	2.83	37.15
Rockport	2.76	4.14	3.97	1.99	4.38	0.91	6.40	3.58	0.90	6.90	2.41	3.78	41.22
Rutland	3.10	3.60	1.54	2.47	6.20	1.48	3.94	6.66	1.22	2.54	1.14	3.32	37.21
South Egremont	3.32	3.90	2.09	2.66	4.58	1.89	5.32	4.72	1.30	2.04	0.75	2.82	35.39
Turners Falls	2.87	4.62	3.21	2.17	5.36	1.87	3.97	6.15	1.11	1.79	0.66	2.90	36.68
Westboro	4.06	5.85	3.91	2.13	5.36	0.78	3.94	4.93	0.98	2.43	0.99	2.72	38.08
Williamstown	0.95	2.29	2.03	2.85	5.19	3.24	4.98	3.91	0.38	1.74	0.83	2.09	30.48
Worcester	2.19	3.38	3.19	1.56	4.83	1.12	4.36	7.03	1.24	1.73	0.93	2.62	34.18
Michigan.													
Adrian	1.73		2.39		6.05	2.11	1.57	6.48	0.32	2.37	1.08	2.28	
Agricultural College	1.89	3.19	2.19	2.15	5.59	1.23	1.03	3.99	0.65	0.62	1.82	2.08	26.63
Allegan	2.23	4.39	3.33	2.60	7.00	2.10	2.09	4.26	1.23	1.29	3.76	2.12	36.40
Alma	2.32	4.22	1.85	2.69	8.11	0.99	4.31	2.57	0.65	0.80	2.82	2.49	33.82
*Alpena	1.56	1.84	2.30	1.77	4.84	2.79	2.95	1.87	1.27	0.98	2.05	1.39	25.61
*Ann Arbor	1.05	4.82	2.50	2.77	4.34	3.62	1.27	6.29	0.27	1.53	0.98	1.60	31.04
Arbela	1.84	4.64	2.39	2.49	6.83	1.68	1.90	3.97	0.49	0.95	2.82	2.56	32.56
Ball Mountain	2.28	5.14	2.84	2.99	5.16	2.32	2.36	4.17	0.57	2.25	1.92	1.29	33.29

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan—Continued.													
Baraga	0.80	1.45	2.10	.....	.....	2.50	3.00	0.75	.....	.....	.....	.....	.....
*Battle Creek	1.34	4.97	3.96	3.31	5.73	2.13	1.16	4.98	1.10	0.52	2.82	2.04	34.06
Bay City	2.85	4.05	2.10	2.40	7.40	0.55	2.20	1.15	0.50	1.10	2.81	4.05	31.16
Benzonia	1.02	3.10	0.85	0.96	2.44	.....	.....	.....	2.15	.....	3.36	3.05	.....
Berlin	1.42	3.56	3.39	1.71	4.45	1.33	2.18	5.60	0.69	1.11	1.51	1.49	28.44
Big Rapids	2.74	3.95	3.44	4.05	5.07	2.12	3.26	1.82	1.27	0.51	3.72	2.36	34.31
Blaney	0.76	.....	2.20	4.75	2.20	3.70	2.45	0.60	2.60	.....	2.45	2.37	.....
Bloomingdale	2.90	4.00	4.25	1.16	4.72	0.62	1.83	4.39	0.28	0.29	2.56	2.60	29.60
Calumet	1.52	2.22	1.64	2.41	5.39	3.78	2.77	0.47	4.01	0.99	4.58	2.34	32.12
Cassopolis	1.80	5.80	5.70	3.83	5.49	1.53	1.63	3.55	1.10	0.30	3.60	2.56	36.89
Charlevoix	.....	2.74	.....	.....	.....	1.12	2.64	0.26	3.52	0.81	3.19	2.00	.....
Charlotte	.....	.....	2.37	4.44	1.52	0.67	5.64	0.28	0.75	1.77	.....	.....	.....
Chatham	1.63	2.06	2.38	2.13	3.48	2.64	4.37	0.86	3.01	0.78	1.84	1.86	27.64
Cheboygan	1.57	2.76	1.40	1.09	4.92	0.60	4.17	0.50	1.04	0.46	3.07	2.55	24.13
Clinton	1.28	4.29	3.02	2.55	5.16	3.01	1.00	5.66	0.34	2.17	0.94	1.44	30.86
Coldwater	1.67	4.61	3.67	2.47	6.38	3.01	2.45	6.55	0.74	0.35	2.00	2.60	36.50
Concord	1.00	5.30	4.10	2.30	7.55	3.62	2.10	6.35	0.70	0.84	1.92	1.86	37.64
Croton	0.65	0.80	2.09	4.24	5.08	2.50	4.02	2.73	1.15	0.47	3.33	1.40	28.46
Deer Park	1.25	3.48	1.85	1.31	1.67	2.22	1.28	1.75	1.30	.....	1.61	2.06	.....
Detour	.....	.....	.....	.....	3.69	0.34	4.74	0.89	1.14	0.66	4.13	.....	.....
*Detroit	2.84	4.95	2.46	2.44	3.57	1.85	1.83	4.49	0.56	1.49	0.73	1.38	28.59
Durand	0.86	2.44	2.42	2.47	6.23	1.00	1.30	4.41	1.06	1.29	1.63	0.88	25.99
Eagle Harbor	1.29	2.71	2.45	2.48	5.06	4.05	1.67	1.26	3.66	1.01	3.87	.....	.....
East Tawas	.....	.....	2.49	1.67	6.36	1.95	3.49	.....	.....	0.26	2.64	.....	.....
Eaton Rapids	.....	2.60	2.18	0.76	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eloise	1.85	5.39	2.80	2.23	3.58	1.50	1.56	5.28	0.33	1.76	0.75	1.78	28.81
*Escambia	0.77	2.38	2.99	2.98	3.01	1.84	3.80	1.06	1.68	0.89	1.65	0.88	23.93
Ewen	0.90	1.73	3.56	3.00	4.72	3.06	2.55	0.87	3.50	0.50	1.73	2.75	28.87
*Flint	2.55	2.31	3.18	2.52	6.42	1.55	1.44	3.50	0.49	0.98	1.73	1.31	27.98
Frankfort	2.30	4.50	1.13	1.61	3.44	3.77	3.36	1.95	1.10	0.60	3.40	3.65	30.81
Ganges	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.91	3.23	1.67	.....
Gaylord	1.00	5.60	.....	.....	.....	2.06	3.71	.....	.....	.....	.....	2.23	.....
Gladwin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.95	5.37	.....
*Grand Haven	1.67	2.84	1.96	4.14	4.20	0.98	2.00	5.78	2.84	0.90	3.94	2.10	33.35
Grand Ledge	.....	3.49	2.51	2.46	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Marais	1.15	.....	1.70	3.43	2.97	2.75	2.20	1.20	3.10	0.65	1.93	.....	.....
*Grand Rapids	1.49	2.69	2.44	4.87	5.34	0.83	1.46	5.55	1.09	0.39	3.14	1.88	31.17
Grape	1.56	2.95	3.33	2.41	3.27	1.05	1.19	5.58	0.35	1.80	0.81	1.82	26.12
Grass Lake	1.34	3.62	3.49	1.86	6.38	2.39	1.93	3.96	0.55	1.60	1.52	1.17	29.81
Grayling	.....	2.50	2.05	2.45	4.50	.....	.....	2.25	2.90	0.52	3.14	3.25	.....
Harbor Beach	2.40	4.05	1.52	1.80	4.11	3.14	2.95	1.97	0.65	1.03	.....	1.12	.....
Harrison	0.80	4.90	.....	1.95	2.75	.....	2.75	.....	0.67	0.42	3.12	2.35	.....
Harrisville	3.32	3.50	3.32	2.68	5.30	2.26	2.46	2.05	1.52	0.78	2.12	2.02	31.33
Hart	1.60	.....	.....	.....	.....	.....	1.46	1.32	0.75	.....	1.59	1.35	.....
Hayes	2.35	3.21	1.16	1.83	4.44	1.86	3.03	2.61	1.21	0.62	1.60	1.60	25.52
Highland	2.15	4.32	3.70	2.44	4.59	1.55	1.12	4.12	0.36	1.49	1.60	1.60	29.04
Hillsdale	1.77	5.92	3.66	2.22	7.79	3.07	1.65	5.02	0.61	0.56	1.54	2.85	36.66
Holland	1.60	3.35	3.05	4.34	4.12	1.14	2.57	.....	.....	0.84	4.02	3.74	.....
*Houghton	0.95	1.93	1.63	2.94	4.84	3.52	3.30	1.00	4.56	1.11	2.74	1.33	29.85
Howell	1.05	3.55	2.89	1.03	5.70	.....	2.05	.....	0.30	1.80	1.51	.....	.....
Humboldt	1.80	3.50	1.10	2.47	3.55	2.98	.....	.....	4.72	0.20	.....	.....	.....
Ionia	.....	2.37	3.04	3.91	.....	.....	.....	.....	.....	.....	.....	.....	.....
Iron Mountain	0.80	1.16	2.20	3.48	2.95	0.98	4.87	0.27	1.59	0.79	1.54	0.73	21.36
Iron River	0.90	3.50	3.90	3.70	5.98	3.65	6.05	2.04	3.70	1.65	2.15	2.70	39.92
Ironwood	.....	.....	.....	2.52	6.46	5.11	2.50	1.05	2.84	0.64	1.49	1.62	.....
Ishpeming	2.10	4.90	2.82	2.53	4.44	3.07	3.09	2.05	2.01	0.44	1.27	1.24	29.96
Isle Royale	.....	.....	.....	.....	.....	2.03	1.29	0.96	2.82	1.10	1.42	.....	.....
Ivan	1.28	.....	1.79	2.29	3.30	1.92	3.68	1.87	1.57	0.70	2.10	1.74	.....
Jackson	1.83	5.45	2.74	1.81	.....	2.47	2.07	3.99	0.67	0.90	1.94	2.25	.....
Jeddo	1.67	2.91	2.94	1.66	5.60	1.67	2.49	3.78	0.46	0.78	1.40	2.03	27.39
Kalamazoo	1.15	3.49	2.46	.....	7.70	1.36	1.10	4.38	1.55	0.68	3.25	1.98	.....
Lake City	2.70	6.30	.....	2.72	3.89	3.08	3.72	.....	1.21	0.80	.....	2.20	.....
Lansing	1.07	3.30	2.94	2.27	7.61	1.11	1.80	4.97	0.63	0.74	2.18	1.96	30.58
Lapeer	1.50	3.80	1.55	1.78	5.97	1.79	1.56	3.31	0.82	0.75	1.42	1.30	25.55
Lowell	.....	1.91	2.92	4.68	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ludington	1.80	3.93	2.06	2.68	3.22	.....	2.50	2.00	2.55	1.08	3.12	2.29	.....
Mackinac Island	1.75	2.72	2.75	.....	5.70	3.48	7.10	.....	3.95	.....	.....	.....	.....
Mackinaw	.....	3.30	1.00	.....	.....	1.62	4.58	0.90	1.29	0.57	1.52	2.20	.....
Mancelona	1.28	2.25	.....	2.14	2.31	1.53	2.26	.....	3.45	0.77	2.50	2.30	.....
Manistee	.....	2.50	.....	.....	.....	.....	.....	.....	0.45	.....	.....	1.50	.....
Maple Ridge	1.30	3.40	2.40	2.56	3.98	1.46	4.47	0.72	2.07	1.20	1.79	1.60	26.95
*Marquette	2.10	3.63	3.28	3.13	3.11	3.48	2.93	1.08	3.46	1.06	1.21	1.82	30.29
Menominee	2.00	0.95	.....	2.39	3.23	2.50	5.70	1.17	1.41	0.53	1.46	2.05	.....
Midland	0.90	2.70	2.10	.....	.....	.....	.....	.....	0.90	0.30	2.35	.....	.....
Montague	1.85	2.30	2.30	1.27	4.91	2.63	4.09	3.32	2.36	0.77	2.90	.....	.....
Morenci	1.74	4.54	3.86	2.49	7.33	2.56	3.45	4.55	0.58	1.24	0.86	1.69	34.89
Mount Clemens	1.21	3.25	1.81	1.39	5.02	2.41	1.93	4.83	0.58	1.97	1.88	0.75	27.03
Mount Pleasant	2.10	3.80	.....	.....	2.43	0.90	3.48	1.05	0.34	1.09	2.90	1.70	.....
Muskegon	2.40	5.30	2.13	3.59	3.64	1.33	1.54	3.57	1.90	0.95	4.10	2.60	33.05
Newberry	1.30	2.70	1.10	.....	.....	4.10	.....	.....	.....	.....	.....	.....	.....
Old Mission	0.70	1.78	2.12	2.06	4.06	1.92	5.64	1.57	3.08	1.40	3.24	2.06	29.63
Olivet	1.69	2.95	3.11	3.31	6.56	2.37	1.85	8.62	0.90	0.57	2.98	2.22	37.13
Omer	1.70	2.75	3.40	2.75	4.35	0.30	2.29	1.20	0.46	0.87	2.35	1.90	24.32
Onaway	.....	.....	1.55	.....	.....	3.85	3.50	0.55	1.67	0.67	2.55	2.25	.....
*Ovid	.....	.....	.....	2.95	6.92	1.50	3.33	4.11	0.35	.....	.....	.....	.....
Owosso	1.24	1.99	3.24	2.76	6.38	1.63	3.06	4.26	0.79	0.80	2.61	1.29	29.66
Petoskey	0.45	1.60	3.25	1.30	3.30	.....	2.70	0.38	2.05	0.63	2.20	2.70	.....
Plymouth	1.35	3.00	.....	.....	3.30	.....	.....	.....	1.60	.....	.....	1.40	.....
Pontiac	.....	6.93	3.04	2.79	5.15	1.96	4.11	4.40	0.62	1.65	2.13	2.47	.....
Port Austin	1.40	.....	.....	.....	4.20	1.00	0.60	0.82	0.32	0.67	1.41	1.92	.....
Port Huron	1.95	3.26	1.74	1.79	3.73	2.03	1.09	4.80	0.30	0.73	1.20	1.56	24.20
Portland	.....	4.13	4.00	4.07	.....	.....	.....	.....	.....	.....	.....	.....	.....
Powers	0.40	3.80	1.90	.....	.....	.....	.....	.....	.....	.....	.....	1.30	.....
Reed City	1.00	1.30	.....	3.40	3.00	.....	1.95	1.20	1.13	0.43	.....	1.79	.....
Roscommon	1.47	2.98	1.65	2.21	3.53	1.92	3.19	2.01	0.57	0.66	2.78	1.80	24.77
Saginaw	2.20	3.74	2.79	3.05	7.45	2.15	.....	2.56	1.22	1.44	1.97	2.21	.....

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Michigan—Continued.													
Saginaw (W. S.)	2.48	3.14	2.73	2.60	7.59	2.14	3.41	2.81	0.69	1.05	2.16	2.30	33.19
St. Ignace	1.32	2.65	2.90	2.16	2.78	1.05	4.31	1.12	0.95	0.30	3.10	.....	.....
St. James	.....	.....	.....	.....	.....	0.80	4.53	1.44	1.64	1.13	2.99	3.55	.....
St. Joseph	2.75	5.16	4.08	2.75	5.68	3.61	1.42	3.30	2.21	1.27	1.96	2.30	36.49
Saranac	1.73	2.43	2.12	4.64	7.84	1.26	3.24	5.39	0.87	0.51	2.84	1.58	34.45
*Sault Ste. Marie	0.89	2.64	0.95	2.31	2.76	2.18	3.46	2.29	1.71	1.27	2.94	2.66	26.06
South Haven	1.91	1.79	4.10	2.57	4.24	1.15	2.43	3.58	1.50	0.67	2.38	2.07	28.39
Stanton	.....	2.10	.....	.....	.....	.....	.....	2.08	.....	0.12	2.63	1.91	.....
Thomaston	1.60	3.55	4.70	.....	.....	.....	.....	.....	2.92	1.14	1.05	1.10	.....
Thornville	2.22	5.07	2.39	2.50	5.89	1.08	2.84	4.92	0.69	1.90	2.65	2.29	34.44
Traverse City	1.48	3.64	2.10	.....	.....	.....	.....	.....	0.88	0.72	2.51	2.01	.....
Vassar	2.20	5.05	2.35	.....	.....	.....	3.00	.....	0.55	0.77	1.81	.....	.....
Wasepi	1.39	4.10	5.35	3.18	8.27	2.48	3.29	5.87	1.15	0.37	3.10	2.83	41.38
Webberville	1.40	4.70	3.10	2.12	6.84	1.62	1.69	4.46	0.65	0.91	1.79	1.49	30.57
West Branch	.....	.....	.....	0.97	1.46	0.88	1.22	0.40	1.52	0.20	1.19	1.60	.....
Wetmore	2.30	.....	1.70	.....	.....	.....	4.35	.....	.....	0.35	1.36	1.40	.....
Whitefish Point	.....	.....	.....	2.52	3.45	2.90	3.15	2.15	2.74	0.92	2.22	3.27	.....
Woodlawn	2.25	2.90	3.15	2.09	4.35	1.49	6.86	1.06	2.57	0.71	3.59	4.30	35.92
Ypsilanti	1.87	5.89	3.07	3.03	4.18	2.07	2.00	5.97	0.39	2.32	1.33	1.65	33.77
Minnesota.													
Albert Lea	0.30	0.93	1.28	2.51	7.95	6.93	3.70	1.40	0.50	4.90	0.52	1.30	32.22
*Alexandria	0.17	0.50	1.67	1.38	7.25	6.98	0.92	3.48	2.47	1.37	1.44	0.78	28.41
Angus	0.03	1.64	0.66	2.18	4.80	1.77	1.32	3.43	0.48	1.39	0.43	0.23	18.36
Bagley	0.37	0.90	0.88	2.31	6.27	3.56	1.05	1.53	2.00	0.84	1.78	0.55	22.04
Beardsley	0.25	1.65	0.75	2.82	3.81	4.77	.....	.....	.....	.....	.....	.....	.....
Beaulieu	0.42	0.67	1.32	1.05	3.71	2.38	1.49	2.00	2.48	0.66	1.14	0.84	18.16
Bird Island	0.17	1.05	0.86	2.25	5.41	4.35	2.17	2.22	2.30	1.44	0.70	0.76	23.68
Black Duck	0.14	1.02	1.06	2.42	4.95	5.38	3.30	1.77	3.03	0.57	1.16	0.83	25.63
Caledonia	0.42	1.59	2.19	3.01	8.38	5.19	4.82	1.98	2.13	1.96	0.67	1.13	33.47
*Campbell	.....	.....	.....	1.64	4.32	5.66	1.19	1.93	.....	.....	.....	.....	.....
Cass Lake	0.11	1.13	1.28	1.85	4.77	3.58	2.63	0.89	2.01	0.80	1.03	0.44	20.52
Collegeville	0.60	0.85	1.91	1.81	4.70	5.81	2.31	0.73	2.45	1.62	0.76	0.60	24.15
*Crookston	0.15	2.22	1.50	1.79	4.38	1.42	0.83	7.34	0.56	1.37	0.58	1.05	23.19
*Detroit	0.20	1.69	1.28	1.35	4.92	5.03	2.95	3.95	2.11	1.20	1.41	0.70	26.79
*Duluth	0.33	1.14	1.54	2.07	5.73	4.48	5.34	2.10	3.55	2.97	1.32	0.48	31.05
Fairmont	0.30	0.78	0.85	4.03	8.49	6.75	5.28	3.83	0.66	3.09	2.80	1.20	38.06
Faribault	0.13	0.29	0.98	2.23	6.56	7.54	1.83	1.52	1.12	2.89	0.55	0.57	26.21
Farmington	0.60	1.02	2.14	3.54	8.01	7.50	2.51	0.39	1.58	2.84	0.93	0.80	31.86
Fergus Falls	0.31	1.97	1.76	1.78	6.08	8.25	1.77	2.54	1.48	1.40	1.79	0.78	29.91
Floodwood	0.35	1.27	.....	2.14	5.16	5.82	4.13	.....	4.15	1.19	.....	.....	.....
Fort Ripley	0.03	1.01	2.77	1.43	5.67	7.73	2.58	2.20	2.45	1.10	1.00	0.69	28.66
Glencoe	0.50	0.94	0.82	3.36	7.53	8.14	2.49	1.20	6.17	2.30	1.42	0.95	35.92
*Grand Meadow	0.40	0.80	2.28	2.92	9.10	9.93	5.36	2.33	0.87	3.09	1.65	1.45	40.18
Hallock	0.20	1.46	1.07	1.75	4.44	3.03	2.09	7.56	0.34	1.79	0.49	0.37	24.59
*Halstad	0.05	1.43	1.40	0.58	4.20	2.64	0.88	1.02	0.82	0.97	1.14	0.78	15.91
Hinckley	0.35	0.41	0.95	3.88	6.01	6.14	5.24	1.33	2.11	2.03	1.35	.....	.....
International Falls	0.02	1.60	.....	.....	.....	4.59	2.01	2.98	1.75	1.79	.....	1.15	.....
Lake Crystal	0.30	0.70	.....	4.36	9.67	10.94	5.99	1.39	1.25	.....	.....	.....	.....
Lake Winnibigoshish	0.31	1.20	1.59	1.53	4.31	4.18	2.95	1.23	2.49	1.19	1.25	0.45	22.68
Leech Lake Dam	0.42	1.18	1.35	1.79	5.13	3.72	2.96	2.04	2.71	1.32	1.27	0.48	24.37
Litchfield	0.33	0.82	1.51	1.55	4.01	5.53	1.66	1.33	3.43	1.44	1.42	0.98	24.01
Little Falls	0.40	1.55	2.37	2.28	5.88	9.93	1.66	3.02	3.75	1.34	1.05	0.37	33.60
Long Prairie	0.28	0.95	1.99	1.29	7.34	7.17	1.37	1.33	2.35	1.05	0.86	0.43	26.41
Luverne	0.09	1.09	1.03	3.12	6.56	6.09	6.83	.....	.....	.....	.....	.....	.....
Lynd (1)	.....	.....	.....	.....	.....	.....	2.97	2.67	5.29	1.32	.....	.....	.....
Lynd (2)	0.18	0.85	1.70	2.70	5.90	4.59	2.98	2.17	6.33	2.38	1.81	1.40	32.99
McIntosh	0.20	2.10	.....	1.81	4.29	.....	.....	.....	.....	.....	.....	.....	.....
*Mankato	0.06	0.69	1.19	3.47	9.27	11.19	5.23	5.23	1.49	2.27	1.00	0.52	41.61
Mapleplain	0.66	1.19	2.11	3.84	.....	.....	.....	.....	.....	.....	.....	1.36	.....
Milaca	0.30	1.10	1.29	2.51	6.51	7.43	1.19	2.22	2.92	1.65	1.45	0.40	28.97
Milan	0.47	1.25	1.88	2.26	7.24	6.51	1.91	1.39	3.07	1.73	2.09	1.00	30.80
*Minneapolis	0.49	0.98	1.48	4.07	8.14	6.68	2.19	0.62	4.91	2.27	1.02	1.33	34.18
Minneapolis	0.41	0.99	1.78	3.82	8.48	7.34	2.43	1.57	4.49	2.26	1.23	1.00	35.80
*Montevideo	0.29	0.90	1.41	2.89	7.69	6.53	2.00	1.75	3.02	2.34	1.68	0.90	31.40
*Moorhead	0.16	2.18	1.14	1.20	4.16	2.99	4.76	3.01	2.11	0.93	2.81	0.48	25.93
Mora	0.25	1.47	1.69	3.05	6.50	7.03	3.32	1.78	3.48	2.24	1.64	0.65	33.10
Morris	0.30	1.00	1.35	2.20	6.08	10.78	0.95	1.93	2.84	2.10	1.40	0.70	31.63
Mount Iron	0.21	1.37	1.90	2.18	4.98	5.61	3.90	1.06	1.72	1.02	0.62	1.44	26.01
New London	0.60	1.30	1.83	1.52	5.90	8.22	0.93	0.55	3.02	0.67	0.66	0.70	25.90
New Richland	0.50	0.84	0.77	3.31	7.98	10.85	3.48	1.70	1.12	3.15	1.50	1.06	36.32
*New Ulm	0.55	0.50	0.85	2.64	11.07	7.37	3.69	1.35	2.41	1.84	2.53	0.82	35.62
Osakis	0.20	0.81	1.71	1.15	.....	8.48	1.37	3.40	2.20	0.99	1.19	0.42	.....
*Park Rapids	0.27	1.55	1.66	1.05	3.82	4.17	2.40	2.25	2.99	0.83	1.07	0.69	22.75
Pine River Dam	0.17	1.39	1.85	1.70	4.10	6.52	4.10	1.65	2.55	1.91	0.98	0.25	27.17
Pipestone	0.02	.....	.....	2.33	7.06	4.56	6.01	3.12	1.98	1.48	1.36	0.74	.....
Pokegama Falls	0.32	1.03	1.48	1.48	6.03	4.66	3.95	0.90	2.19	1.31	1.21	0.38	24.94
Red Lake	.....	.....	1.47	2.65	3.70	3.79	4.28	3.22	2.10	1.24	1.20	.....	.....
*Red Wing	0.60	2.30	.....	3.91	5.14	.....	3.38	1.53	1.77	3.46	.....	0.85	.....
Red Wing (River)	0.26	0.98	1.68	4.10	6.08	9.10	3.60	0.76	2.06	3.68	0.82	0.80	33.92
Redwood Falls	1.15	0.71	1.69	2.03	6.04	6.26	2.88	3.33	2.22	2.26	1.45	1.10	31.12
Reeds Landing	0.12	0.74	0.73	2.52	4.90	8.30	4.78	1.08	1.80	1.65	0.62	0.52	27.76
Rochester	.....	.....	.....	.....	.....	.....	3.77	0.92	1.03	2.44	0.20	0.70	.....
St. Charles	0.43	0.79	1.66	3.01	4.38	6.63	3.72	1.52	1.81	2.41	0.46	1.21	28.03
*St. Cloud	0.29	0.69	1.44	3.21	6.77	6.82	2.55	1.60	2.74	1.64	1.09	0.47	29.31
*St. Paul	0.52	0.87	1.16	4.23	7.57	5.14	2.94	1.07	3.96	2.19	0.67	1.28	31.60
St. Peter	0.74	1.26	0.72	3.22	9.06	12.10	6.82	1.03	1.11	2.40	0.93	0.98	40.37
Sandy Lake Dam	0.19	1.05	1.73	1.52	5.72	9.48	4.26	4.07	3.10	0.89	1.31	0.36	33.68
Shakopee	0.60	0.98	1.00	3.21	7.47	6.97	2.74	0.79	2.28	2.67	1.31	1.20	31.22
Stephens Mine	0.16	0.60	1.08	2.12	5.04	6.39	4.28	1.31	1.36	0.72	0.71	0.49	24.26
*Stillwater	0.56	1.91	3.25	4.38	6.08	5.98	3.11	1.08	1.88	2.82	0.91	0.63	32.09
Taylors Falls	0.23	0.81	1.86	2.93	7.03	6.63	1.28	1.52	3.58	2.51	1.15	0.85	30.33
Tonka	0.30	1.10	1.55	3.05	7.75	6.88	1.12	1.80	4.67	2.41	1.35	.....	.....
Two Harbors	0.40	1.14	1.58	3.31	6.87	2.80	6.02	2.30	3.30	1.70	0.40	0.25	30.07
Wabasha	0.37	1.11	1.96	3.13	6.16	9.16	4.51	1.47	2.52	2.00	0.64	0.80	33.83

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Minnesota—Continued.													
Walker	0.11	0.93	1.22	2.07	5.85	5.19	2.14	1.64	3.45	1.25	1.34	0.29	25.48
West Concord											0.83	1.02	
Willow River	0.25		0.92	3.09	5.93	6.58	2.41	1.59		2.19	1.83		
Windom	0.20	0.78	1.26	2.47	9.00	3.73	6.37	1.69	1.64	2.47	1.66	0.80	32.07
*Winnebago	0.25	0.90	1.06	4.55	11.70	7.22	6.86	2.52	0.75	3.14	1.60	0.94	41.49
Winona	0.43	1.35	1.67	2.63	7.10	7.08	2.58		2.62	2.88	0.28	1.21	
*Worthington	0.10	0.77	1.60	2.19	6.35	7.60	5.69	3.61	1.57	2.02	2.12	0.45	34.07
Zumbrota	0.39	0.52	1.49	4.08	5.19	8.27	2.92	1.08	1.54	4.29	0.90	1.24	31.91
Mississippi.													
*Aberdeen	3.89	6.64	5.69	3.88	6.34	3.43	2.15	4.76	1.78	0.41	1.50	8.58	49.05
Agricultural College	4.32	7.35	4.12	2.61	6.50	4.84	5.04	2.99	T.	0.27	0.68	7.94	46.66
Anguilla	4.06	8.50	5.16	4.60	8.21	4.89	4.80	5.85	3.88	T.	2.40	6.60	58.95
Austin	6.12	7.76	4.77	4.62	3.39	1.57	5.48	6.19	2.01	0.52	5.91	3.43	51.77
*Batesville	4.34	5.09	4.40	3.02	4.79	2.16	2.77	1.56	1.38	0.11	3.03	3.88	36.53
Bay St. Louis	6.34	4.57	6.22	3.04	7.49	4.86	13.49	7.63	7.17	1.44	2.01	2.48	66.74
Biloxi	5.94	4.50	6.24	6.20	6.05	5.13	19.16	4.11	7.48	0.75	0.13	3.04	68.73
Booneville	5.92	8.11	5.17	5.25	4.21	7.17	1.84	5.68	1.39	0.04	1.59	5.72	52.09
*Brookhaven	3.97	7.36	4.08	5.73	5.53	4.82	5.97	6.27	2.40	0.66	1.01	4.36	52.16
Canton	3.84	7.42	7.04	4.04	9.09	2.52	5.18	5.83	1.61	0.06	1.77	4.73	53.13
Clarksdale	5.37	7.00	3.58	5.00	4.82	3.19	3.02	3.17	1.08	0.00	4.86	2.34	43.43
*Columbia	1.50	10.78	0.90	6.62	8.84	5.70	2.83	4.32	6.64	0.10	0.40	2.06	50.69
*Columbus	3.16	6.72	4.04	3.10	7.56	3.42	6.57	8.72	0.49	0.44	0.88	6.68	51.78
*Corinth	4.24	7.13	4.38	6.06	4.02	6.21	3.80	5.18	3.66	0.11	2.41	5.39	52.59
Crystal Springs	3.82	7.98	3.61	4.44	6.46	5.06	3.20	6.90	1.26	0.75	0.94	5.82	50.24
Duck Hill	5.05	9.63	6.65	4.17	3.99	3.94	5.09	2.76	1.05	0.10	2.74	6.60	51.77
Edinburg	4.66	6.92	5.60	6.61	7.03	6.63	3.88	7.24	3.15	0.40	1.29	5.82	59.23
Edwards	4.26	9.64	6.59	3.56	7.60	3.68	4.43	4.47	0.79	0.03	2.17	4.41	51.63
*Enterprise	4.36	10.43	2.28	2.02	8.52	5.72	6.40	3.72	2.84	0.59	0.95	2.58	50.41
Fayette	8.94	9.26	4.20	6.70	5.52	8.50	3.35	14.14	1.51	0.20	3.90	3.89	70.11
Fayette (near)	6.37	6.16	3.56	6.57	4.36	3.94	4.22	9.94	1.60	0.11	2.12	4.21	53.16
*Greenville	4.93	11.28	4.76	4.13	5.63	4.54	4.61	7.12	2.06	0.14	3.53	6.71	59.44
*Greenwood	2.43	10.88	4.15	3.56	5.76	3.62	2.74	6.00	1.38	0.06	2.22	6.42	49.22
*Hattiesburg	5.62	6.46	2.14	10.42	7.04	5.79	6.16	3.84	6.36	1.40	0.34	2.78	58.35
*Hazlehurst	4.36	7.32	4.44	4.88	7.06	7.24	4.26	5.09	1.35	0.32	1.24	5.40	52.96
*Hernando	5.20	7.37	5.40	3.92	4.38	3.93	2.42	2.95	2.80	0.15	5.80	5.69	50.01
*Holly Springs	3.08	6.63	5.46	4.41	3.96	8.67	4.50	3.87	2.93	0.03	3.62	4.84	52.00
Indianola					3.37	5.06	3.21		0.07	0.00	1.10		
*Jackson	3.95	8.38	4.98	7.02	8.19	7.10	3.34	6.32	1.00	0.08	2.47	4.71	57.54
*Kosciusko	3.57	10.63	6.31	5.20	7.93	2.24	4.40	5.63	2.97	0.13	1.16	6.85	57.02
*Lake	3.83	8.81	3.58	6.75	9.06	3.77	6.36	6.28	2.29	0.56	0.37	3.51	55.17
Lake Como	5.08	7.76	3.69	3.36	8.29	2.79	5.00	5.57	2.87	0.86	0.94	1.59	47.80
Laurel			2.69	5.87								1.18	
Leakesville	6.93	6.95	4.66	6.43	4.34	5.32	7.14	4.33	4.54	1.33	2.34	1.46	55.77
Louisville	5.20	8.56	5.94	5.99	6.29	6.36	4.92	6.19	2.07	0.29	0.87	8.81	61.49
McNeill	6.05		3.00	3.98	8.16	7.87	12.32	7.47	9.41	0.46	1.15	1.19	
*Macon	3.56	6.83	4.25	5.33	5.11	2.93	5.43	5.74	1.46	0.58	0.85	6.04	48.11
Magnolia	4.63	6.70	2.83	6.51	9.18	6.64	9.18	7.59	4.82	0.58	1.81	3.71	64.18
*Meridian	5.46	8.29	3.94	3.46	6.73	6.58	6.07	3.53	1.76	0.73	0.86	2.48	49.89
*Merrill	4.12	9.18	4.50	5.24	7.76	8.94	5.98	7.20	5.88	0.62	0.78	1.76	61.96
Monticello	5.56	5.73	6.67	6.53	7.78	2.75	5.49	8.21	3.57	0.89	0.17	3.70	57.05
*Natchez	4.42	11.41	3.45	5.30	3.43	6.00	5.28	6.98	1.94	0.38	3.75	4.08	56.42
*Okolona	3.95	7.39	5.04	5.88	6.45	3.28	3.34	5.97	1.64	0.21	1.53	6.85	51.53
Pearlington	5.81	4.45	5.66	4.04	8.01	5.64	12.88	6.03	9.17	0.96	2.87	1.19	66.71
Pecan	5.05	3.94	5.68	5.41	4.24	7.94							
Pittsboro	4.40	7.94	3.93	3.91	4.30	4.78	4.29		0.70	0.00	5.10	5.10	
Pontotoc	4.39	7.10	4.70	3.92	2.96	2.97	6.00	3.04	0.77	0.20	2.12	7.10	45.27
Porterville	4.67	7.73	3.77	4.17	8.15	6.06	4.74	4.97	0.77	1.01	0.63	4.38	51.05
*Port Gibson	3.60	8.15	4.10	5.07	5.38	4.04	3.22	9.95	2.19	0.10	2.08	4.12	52.00
Ripley	7.40	8.90	6.20	6.60	4.15				1.63	0.00	2.18	4.05	
Rosedale	4.80	10.42	4.00	3.50	6.55	3.70	3.30	5.00	3.90	0.30	3.93		
Shoccoe	3.95	6.61	7.02	5.45	11.32	1.37	4.61	8.42	2.05	0.10	0.93	5.52	57.35
*Shubuta	5.50	8.40	4.10	8.62	8.60	2.60	5.31	4.98	2.45	0.80	0.75	2.59	54.70
Suffolk	5.87	6.39	3.81	3.62	9.07	6.12	6.61	12.09	1.38	0.33	2.41	5.38	63.08
Swan Lake	3.60	11.10	5.20	5.68	5.98	2.30	6.20		0.95	T.	3.85		
Tchula	4.33	8.77	5.79	8.35	7.46	6.92	3.63	4.64	1.60	T.	2.20	6.45	60.14
*Tupelo	3.66	9.67	6.01	5.13	5.16	5.07	2.97	5.42	2.88	T.	1.66	5.87	53.50
University	4.17	7.70	4.35	5.29	3.63	4.42	5.13	4.01	2.89	T.	2.79	5.43	49.81
Utica	4.05	9.87	4.84	4.34	4.40	7.03	3.50	7.95	1.40				
*Vicksburg	3.59	8.39	6.76	4.66	7.35	3.71	3.23	3.71	0.97	0.04	2.83	3.98	49.22
Water Valley	5.00	9.48	4.95	4.94	7.05	6.05	7.07	3.29	2.42	T.	2.12	5.52	57.89
*Waynesboro	5.65	9.37	2.00	15.09	5.67	4.04	7.30	2.33	3.72	1.19	0.52	2.25	59.33
Woodville	5.90	5.76	4.57	7.59	8.12	5.11	7.82	8.17	8.68	0.41	2.09	3.58	62.80
*Yazoo City	3.32	8.30	6.56	6.36	7.90	4.56	5.20	7.50	2.60	0.02	2.52	6.24	61.08
Missouri.													
*Albany	0.00	1.61	0.37	1.40	7.93	8.51	3.06	3.66	0.99	6.58	2.18	T.	36.29
Appleton City	0.73	2.60	3.65	5.73	7.87	5.00	5.25	4.07	2.20	3.87	5.85	1.16	47.98
*Arlington		4.24	3.74	7.63	5.44	3.09	4.51						
Arthur	0.75	3.18	3.15	4.86	6.56	7.12	2.91	2.39	1.04	5.23	5.09	0.95	43.23
Avalon	T.	2.33	1.49	2.39	8.64	7.08	2.25	3.22	0.48	3.66	3.30	0.47	35.31
*Bagnell			2.83		3.85	3.83	2.73						
Belle	1.70	6.03	2.60	4.92		5.65	3.05	3.58	3.97	0.86		0.56	
Bethany	T.	2.71	1.30	1.36	10.50	5.19	4.29	4.43	0.77	7.45	2.88	T.	40.88
Birchtree	3.67	5.66	6.10	9.77	5.74	3.98	3.25	4.15	2.66	0.56	3.64	0.81	49.99
Bolivar	1.53	4.81	3.82	9.74	6.67	6.83	2.65	4.62	4.00	1.92	5.12	1.05	52.76
*Boonville	0.50	3.46	1.94	4.72	6.76	7.28	4.59	3.18	2.74	2.60	3.20	1.80	42.77
*Brunswick	0.46	3.40	0.95	2.71	8.40	9.88	3.46	3.58	2.72	2.92	2.93	0.85	42.26
*Cape Girardeau	2.58	5.14	3.01	7.70	7.53	2.56						1.50	
Caruthersville	2.61	6.03	2.55	6.87	2.82	6.83	2.70	2.58	0.47	0.31	9.41	1.18	44.36
Clinton	0.77	3.33	3.05	4.50	8.26	7.58	5.14	4.71	1.95	4.54	*5.38	1.82	51.03
*Columbia	1.13	4.06	1.79	4.26	6.17	6.52	2.97	4.74	2.99	0.91	3.80	1.23	40.57
Conception	0.05	1.06	0.72	1.06	7.26	9.42	4.07	5.95	0.28	5.32	1.80	T.	36.99
Darksville	0.45	3.60	0.92	3.38	7.23	11.23	5.42	2.35	2.00	1.70	3.45	0.80	42.53
Dean	2.05	4.43		10.68		8.07	2.37	3.73	1.99	3.29	8.74	0.65	

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Missouri—Continued.													
Doniphan	[3.16]	8.01	.....	8.38	5.34	5.65	.....	.....	1.64	0.32	5.95	0.81	.....
El Dorado Springs	1.95	4.59	3.17	6.05	8.81	6.59	2.69	4.32	3.64	2.86	4.82	0.84	50.33
Fairport	T.	3.47	1.34	2.90	8.43	7.97	4.57	4.08	0.55	6.18	2.58	0.02	42.09
Farmington	2.48	4.37	5.40	[10.50]	6.47	2.10	4.01	1.61	.....	0.00	.....	[1.00]	.....
Fayette	0.91	2.77	1.26	3.25	5.45	6.68	1.86	0.82	1.16	2.17	3.19	1.26	30.78
Fulton	1.20	3.14	2.92	.....	.....	.....	.....	3.67	1.67	1.04	2.97	1.60	.....
Gallatin	0.07	2.10	2.35	1.68	10.35	5.00	2.82	3.90	0.20	9.33	3.30	0.00	41.10
Gano	3.27	5.48	5.16	9.54	4.77	4.94	4.80	2.16	3.31	0.88	3.46	0.68	48.45
*Glasgow	0.90	3.40	2.02	3.90	10.62	8.06	3.52	1.80	1.18	2.22	3.76	0.84	42.22
Goodland	3.79	5.62	4.74	9.74	3.28	3.70	4.84	2.63	3.33	0.55	3.91	0.93	47.06
Gorin	0.26	2.61	1.16	3.01	13.08	3.21	2.20	4.62	1.72	0.90	2.94	0.24	35.95
Grant City	T.	0.73	0.69	1.35	[9.67]	5.88	1.96	3.64	0.92	5.97	1.64	T.	[32.45]
Greenville	.....	6.61	6.65	12.44	4.41	5.75	3.31	.....	1.17	0.15	4.23	0.62	.....
*Hannibal	1.04	4.05	0.94	3.64	4.60	6.27	1.48	2.94	3.31	0.43	2.52	1.13	32.35
*Harrisonville	0.60	3.61	1.17	2.88	7.76	9.25	2.62	6.33	3.09	6.99	3.77	0.77	48.84
Hazelhurst	0.17	2.33	0.95	1.31	10.15	5.18	4.25	4.88	0.35	4.53	2.30	0.26	36.66
*Hermann	1.26	3.92	2.61	4.64	4.42	5.00	4.87	4.33	3.28	0.57	2.18	0.85	37.93
Hollister	.....	.....	.....	.....	.....	2.05	2.60	5.85	2.90	0.60	3.23	.....	.....
Houston	3.99	5.02	4.77	9.32	5.45	7.06	3.62	2.51	3.17	0.97	2.79	0.65	49.32
Huntsville	1.10	3.06	0.85	2.80	9.80	13.26	[3.49]	3.05	1.90	1.50	2.40	1.00	[44.21]
*Ironton	3.84	7.17	4.29	11.22	5.85	4.68	5.21	2.41	1.92	0.30	4.62	0.98	52.49
Jackson	4.00	7.67	3.82	8.21	4.87	2.85	3.03	3.58	1.80	0.06	3.16	0.73	43.78
*Jefferson City	1.31	4.26	3.40	4.66	3.82	4.95	2.66	3.02	2.66	0.94	2.14	0.60	34.42
Joplin	2.54	5.30	3.10	9.93	5.35	8.17	2.26	1.15	2.84	3.97	7.40	1.45	53.46
*Kansas City	0.13	2.77	0.86	2.13	5.09	9.75	2.18	4.97	0.25	8.47	2.61	0.27	39.48
*Kidder	0.02	1.95	0.58	2.39	8.99	7.19	1.92	3.23	0.20	9.22	3.17	0.25	39.11
Koshkonong	3.24	6.60	3.56	9.73	5.44	4.75	1.90	6.54	3.23	0.52	5.59	0.70	51.80
*Lamar	1.55	4.87	3.53	8.68	5.53	5.66	1.98	2.30	3.63	3.19	5.71	1.00	47.63
Lamonte	0.61	3.26	1.43	3.19	5.98	7.63	2.58	3.14	2.16	3.37	3.85	1.44	38.64
Lebanon	2.67	5.21	4.93	10.79	6.15	5.20	3.24	3.40	4.42	1.44	4.31	0.60	52.36
*Lexington	0.25	2.76	1.34	2.47	10.10	9.40	1.84	3.00	1.55	5.19	3.73	0.62	42.25
Liberty	0.15	2.60	0.87	3.26	7.39	12.96	2.60	3.68	0.89	8.39	2.74	0.28	45.81
Linneus	0.16	2.03	1.08	0.37	8.42	5.66	4.04	3.08	0.48	2.66	2.99	0.00	30.97
Lockwood	0.48	5.75	4.68	10.14	4.97	6.40	1.54	5.44	4.11	1.76	4.76	1.00	51.03
Louisiana	0.81	3.45	2.48	2.82	5.36	3.49	5.42	3.31	2.08	0.75	1.63	1.50	33.10
Marble Hill	4.30	7.90	5.90	10.61	5.46	2.38	4.55	3.75	0.83	0.00	3.35	0.73	49.76
Marshall	0.76	3.35	1.80	2.76	9.56	7.91	3.81	2.86	2.05	5.62	4.23	0.75	45.46
*Maryville	0.05	1.91	0.83	0.95	10.58	9.59	3.75	7.28	1.23	5.44	2.02	0.16	43.79
*Mexico	0.97	4.61	1.87	3.37	6.25	5.75	1.10	4.71	1.40	0.79	3.01	1.30	35.13
Mountaingrove	2.59	3.30	4.23	9.09	7.09	4.73	3.13	2.47	2.69	1.61	2.91	0.95	44.79
Mount Vernon	1.91	7.35	3.93	9.75	5.79	4.41	2.22	4.31	2.29	1.55	6.30	0.32	50.13
Neosho	2.24	4.94	4.40	10.95	9.38	5.91	3.83	2.61	2.36	3.09	6.31	0.49	56.51
Nevada	1.25	3.67	3.26	5.39	8.20	7.68	2.91	4.83	2.20	[5.23]	4.06	0.97	[49.65]
*New Madrid	2.06	9.35	3.73	7.40	4.35	8.01	2.01	1.92	1.04	0.03	6.65	1.44	47.99
New Palestine	1.32	2.96	2.35	3.64	7.05	7.05	2.59	2.39	3.55	2.59	3.08	1.09	39.66
Oakfield	2.28	3.91	2.89	5.17	8.78	3.56	4.23	2.03	3.66	0.45	2.57	0.68	40.21
*Olden	2.76	5.59	6.56	7.37	9.54	3.72	4.58	5.52	3.03	0.96	5.23	0.43	55.29
Oregon	0.02	1.79	0.34	1.97	8.90	12.05	3.12	6.63	0.59	5.48	1.50	0.13	42.52
*Osceola	1.09	5.70	4.16	5.67	5.55	6.27	4.21	3.33	3.13	3.28	6.03	1.05	49.47
Parkville	.....	.....	.....	.....	.....	.....	.....	.....	T.	7.89	2.76	0.19	.....
Perryville	3.36	5.89	4.66	8.90	.....	.....	.....	.....	.....	.....	3.54	1.08	.....
Princeton	.....	.....	.....	.....	10.68	5.70	4.29	.....	.....	.....	.....	.....	.....
Rolla	2.69	4.44	3.72	8.21	6.09	4.26	4.14	1.87	4.29	0.68	3.18	0.76	44.33
St. Charles	1.76	3.84	2.65	5.80	6.30	3.17	4.48	0.78	2.94	0.31	2.27	0.79	35.09
*St. Joseph	T.	2.03	1.10	2.14	7.32	8.76	1.90	4.54	0.54	4.94	2.49	0.34	36.10
*St. Louis	2.08	3.39	3.43	3.84	7.72	3.02	4.24	1.55	1.24	0.21	2.83	0.64	34.19
Sikeston	3.83	7.73	2.58	8.78	6.29	3.95	3.63	4.00	0.56	0.00	5.41	1.13	47.89
*Springfield	2.20	4.92	4.14	7.75	4.66	5.51	2.56	3.66	1.87	1.11	4.27	0.67	43.32
Steffenville	0.61	3.72	0.90	1.94	6.21	5.87	2.45	3.72	4.20	1.21	3.36	0.55	34.74
Sublett	0.30	1.20	1.15	0.90	12.35	3.97	3.80	2.34	1.15	1.38	3.67	0.10	32.31
*Trenton	0.05	2.27	1.17	1.30	8.41	4.74	3.90	3.53	0.38	5.50	2.39	0.15	33.79
*Unionville	0.16	2.64	1.79	1.32	17.07	5.09	3.51	3.83	1.71	3.19	2.46	0.40	43.17
Versailles	1.70	4.25	2.75	4.45	4.10	6.47	[3.33]	[2.50]	.....	2.31	2.78	1.04	.....
Warrensburg	0.93	2.65	1.64	2.00	7.28	13.29	5.60	5.67	3.02	5.46	4.67	0.88	53.09
*Warrenton	2.01	4.49	3.14	4.42	2.86	3.70	5.13	2.10	3.37	0.77	2.46	1.07	35.52
Warsaw	1.40	5.24	3.96	4.73	6.29	6.88	3.48	2.55	2.98	3.41	4.83	0.90	46.65
Wheatland	1.48	3.55	4.92	7.25	4.53	8.04	2.18	3.73	2.12	2.61	4.52	[0.93]	[45.86]
Willow Springs	2.96	4.93	5.57	12.30	5.47	3.35	2.70	2.92	3.06	1.39	4.78	0.59	50.02
Windsor	.....	3.66	.....	.....	.....	.....	.....	4.08	1.50	.....	4.39	1.70	.....
Montana.													
Absarokee	0.69	0.87	0.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Adams	.....	.....	.....	1.32	3.31	2.93	1.52	0.88	1.14	2.77	0.06	0.02	.....
Adel	0.95	1.05	1.70	1.44	9.40	8.16	1.41	1.91	2.34	4.10	0.13	0.13	32.72
Agricultural College	0.52	1.27	1.40	1.36	9.54	4.57	0.32	1.09	1.72	1.97	0.35	0.59	24.70
Alta	.....	.....	.....	.....	.....	.....	.....	0.86	.....	.....	.....	.....	.....
Anaconda	0.62	0.42	0.47	0.44	5.90	4.28	1.60	0.70	1.99	1.96	0.28	0.23	18.89
Augusta	0.85	0.90	3.92	0.37	6.33	5.26	0.80	1.57	2.20	0.94	T.	0.30	23.44
Babb	1.02	0.20	1.26	0.75	.....	.....	2.30	0.98	2.44	2.06	0.37	0.35	.....
*Billings	0.62	1.78	1.16	1.17	5.37	1.40	0.23	0.94	1.00	2.58	0.34	0.30	16.89
Bridger	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.02	0.55	.....
Boulder	.....	.....	.....	.....	.....	.....	1.08	0.23	2.13	.....	.....	.....	.....
Bowen	0.47	1.02	1.77	0.57	2.07	3.29	1.03	1.25	0.74	1.25	0.16	0.40	14.02
Broadview Experiment Station	0.23	0.57	0.73	1.04	5.20	2.85	0.35	1.42	0.48	1.29	0.30	0.27	14.73
Browning	.....	.....	.....	.....	.....	.....	1.64	1.68	3.66	0.45	0.17	T.	.....
Busby	0.39	0.19	0.72	0.95	3.99	1.18	0.39	1.18	1.21	2.32	0.05	0.54	13.11
Busteed	.....	.....	.....	1.14	7.88	2.02	0.73	1.32	0.48	1.93	T.	0.27	.....
Butte	0.50	0.75	0.90	0.40	5.67	4.22	0.70	0.75	2.45	1.30	0.20	0.15	17.99
Canyon Ferry	0.23	0.17	0.29	0.44	6.57	4.64	0.55	0.61	1.06	1.56	0.15	0.08	16.35
Cascade	0.72	0.63	0.98	0.64	8.76	6.25	0.42	1.46	1.97	4.05	0.08	0.27	26.23
Chessman Reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.65	0.41	.....
Chester	0.00	T.	2.17	.....	1.92	4.44	0.90	.....	1.21	0.35	0.00	0.02	.....
Chinook	0.14	0.09	0.87	0.22	1.15	1.72	0.59	0.96	.....	0.20	.....	T.	.....
Chouteau	.....	.....	.....	.....	.....	.....	.....	.....	1.61	1.00	0.00	0.00	.....
Clear Creek	.....	1.05	1.36	0.53	2.12	3.36	0.14	1.56	1.94	1.75	T.	0.50	.....

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Montana—Continued.													
Columbia Falls	1.04	1.19	2.30	1.34	7.93	7.67	3.29	0.72	1.97	2.58	0.49	0.72	31.24
Como							0.48	1.29	1.45	0.67	0.22	0.42	
Copper	0.38	1.01	1.39	0.49	5.55	4.72	0.37	0.90	1.07	3.50	0.05	0.29	19.72
Crow Agency	0.05	ƒ0.90	1.75	1.35	5.55	2.65	0.10	1.65	1.75	ƒ2.25	0.50	0.85	19.35
Culbertson							2.60	0.46	1.35	1.33	0.05	T.	
Cut Bank							1.99	0.79	1.27	0.52	T.	T.	
Dayton	0.62	0.68	1.02	0.09	4.44	2.88	1.37	0.78	2.12	1.44	0.10	0.30	15.84
Decker	0.30	0.30	0.20	T.	5.10	4.00	0.50	0.50	0.70	2.10	T.	0.50	14.20
Denton		0.09	0.95	0.23	3.38	2.54	0.02	1.02	1.55	1.77	0.02	0.17	
Dillon	0.92	0.43	1.59	0.34	9.16	3.54	0.47	0.68	1.00	2.00	0.14	0.34	20.61
East Anaconda	0.36	0.33	0.41	0.47	5.32	5.08	1.81	1.01	1.91	2.04	0.20	0.17	19.11
Ekalaka	0.80	0.60	2.70	0.90	2.13		0.51	2.18	2.03	2.51	0.20	0.20	
Ericson	0.45	0.65	2.60	2.10		1.00	0.43	0.83	1.60	2.52	0.50	0.65	
Evans	1.00	2.80				11.84	0.64	0.90		6.90	0.55	0.90	
Fallon	0.13	0.10	0.51	0.90	3.98	2.63	1.75	0.68	1.61	2.45	T.	0.06	14.80
Forsyth	0.46	0.30	0.90	1.32							T.	0.30	
*Fort Benton	0.55	0.50	0.80	1.20	4.08	2.30	0.00	1.60	1.90	1.78	0.00	T.	14.71
Fort Logan	0.40	0.80	1.10	0.05	5.70								
Fort Shaw	0.35	0.25	0.37	0.39	4.54	5.08	0.30	1.39	1.39	1.97	0.10	0.01	16.14
Fortine	0.66	1.19	2.18	0.73	5.03	2.51	1.00	0.57	1.02	2.07	0.53	0.90	18.39
Garneill							0.19	1.25	1.07	1.95	0.07	0.26	
Glasgow	0.15		1.31										
*Glendive	0.37	0.76			2.40	1.91	1.63		1.84	3.10	T.	0.10	
Goldbutte	0.15	0.10	0.93	0.56	2.85	5.27	1.38	1.33	1.02	1.32	0.10	0.08	15.09
Graham	0.33	0.45	0.91	0.69	2.66	4.46	2.28	0.99	1.29		0.10	0.59	
Grayling						3.24	1.30	2.67	1.40	2.14	0.17		
Great Falls	0.77	0.62	2.27	0.47	4.62	4.22	0.43	3.13	2.58	2.51	0.11	0.16	21.89
Hamilton	0.43	0.16	0.93	0.90	3.83	2.62	0.88	1.10	1.43	1.10	0.07	0.03	13.48
Harlowton			0.60	T.	4.10	0.33	T.	T.	0.50	1.79	0.00	0.30	
*Havre	0.16	0.75	1.70	0.28	1.87	3.25	0.39	0.85	1.17	1.18	0.05	0.27	11.92
*Helena	0.50	0.29	0.68	0.52	6.19	4.76	1.40	0.90	1.81	1.88	0.18	0.52	19.63
Highwood	0.45					3.46							
Homepark	0.60	1.02	0.85	0.73	5.06	4.33	0.70	0.49	0.75	1.91	0.09	0.22	16.75
Huntley	0.25	1.04	0.69	1.03	4.85	1.47	0.39	0.94	1.51	1.80	0.11	0.25	14.33
Jordan	0.30	0.50	1.25		0.80	0.70	0.00	0.15	0.90	1.60	T.	T.	
*Kalispell	1.70	0.81	1.92	0.71	4.21	2.48	1.44	0.88	2.01	1.53	0.35	0.47	18.51
Lewistown	0.49	1.55	2.10	0.34	4.09	4.00	0.04	1.04	2.00	5.80	0.25	0.40	22.10
Livingston	0.39	0.67	0.87	1.72	9.60	1.89	0.36	0.59	0.91	2.21	0.28	0.31	19.80
Lubec	1.40	1.20	4.45		6.20	4.78	1.10	1.25			0.10	3.30	
Malta			2.43										
*Miles City	0.63	0.66	1.81	0.91	5.58	2.92	1.97	0.63	1.42	2.31	0.07	0.25	19.16
*Missoula	T.	0.68	1.27		4.99	4.08	1.27	0.36	2.74	1.08	0.23	0.49	
Moore	0.55	0.61	1.82	0.76	5.57	2.62	0.62	2.01	1.20	2.84	0.20	0.51	19.31
Norris	0.22	1.05	1.76	0.55	10.37	4.37	0.65	0.78	1.37	1.05	0.04	0.60	22.81
Nye	0.40	1.60	1.08	1.46	10.73	2.65	1.79	1.92	1.01	3.10	0.27	0.58	26.59
Ovando	1.00	1.00	1.78	0.83	5.30	3.83	0.88	0.04	2.67		0.95	0.60	
Philipsburg	0.52	0.63	0.61	1.04	7.11	4.06	0.78	0.41	2.69	1.57	0.15	0.40	19.97
Plains	0.70	0.50	0.55	0.38	3.51	3.40	1.05	0.23	2.77	1.54	0.25	0.20	15.08
Pleasant Valley	0.13	0.11		0.46	3.06	2.11	1.35	0.36	1.95	2.33	0.85	1.19	
Poplar	T.	0.80	1.64	2.03	2.79	2.47	1.70	1.04	1.28	1.76	0.20	0.01	15.72
Raymond	0.18	0.03	0.24	0.13	6.87	6.15	1.45	2.35	3.39	2.17	T.	0.11	23.07
Red Lodge	0.74	1.26	1.08	1.62	11.90	2.57	1.06	1.34	1.11	2.30	0.32	1.20	26.50
Renova	0.15	0.25	0.53	1.12	6.29	4.23	0.44	0.52	1.08	2.08	0.11	0.03	16.83
Ridgelawn		1.00											
Rimini											0.33	0.43	
St. Ignatius											0.29	0.28	
St. Regis	ƒ0.81	1.61	2.63	1.67	2.55	3.00	0.77	0.46	2.00	2.10	0.50	1.87	19.97
Saltese	3.00	3.55	5.70	0.70	0.90	2.06	2.90	0.20	2.14	3.65	2.85	5.35	33.00
Sedan			1.34	4.54	5.78	2.64	0.53	0.73	1.62	2.54	0.20	0.65	
Snowshoe	4.24	6.21	11.93	4.91	3.37	2.95	0.67	1.85	2.17	9.99	7.17	6.35	61.81
Springbrook	0.34	1.19	2.57	1.46	3.93	4.57	1.68	1.54	2.66	4.24	0.21	0.22	24.61
Steele	0.83	0.85	1.67	0.73	5.59	1.65	0.00	1.06	2.27	2.84	0.00	0.12	17.61
Tokna	0.30	1.00	0.88	1.08		2.48	0.96	0.72	1.62	2.12	0.05	0.04	
Toston	0.10	0.50	0.55	0.13	2.70	3.10	0.55	0.68	0.63	0.48	T.	0.05	9.47
*Townsend				0.09	3.43	5.50	0.55	1.00	0.51	1.29			
Troy	3.10	2.10	0.60	0.10	2.49	2.38	1.18	0.68	1.05	4.40	3.05	1.96	23.09
Utica	0.55	0.49	0.98	0.61	7.31	2.45	0.20	1.18	1.41	6.27	T.	0.22	21.67
Upper Lake McDonald	1.50		2.92	1.48	5.73	4.27	2.33	1.15			1.05		
Valentine	0.27	0.50	1.48	0.62	1.30	2.45	0.52	0.96	0.76	1.36	T.	0.25	10.47
Wolf Creek							0.78	1.07		3.35	T.		
*Wolf Point				0.86	1.58	3.41	1.89	1.87	1.59	1.64			
Nebraska.													
Ainsworth	0.30	1.22	1.00	1.75	4.60	5.60	7.00	4.42	1.96	2.21	0.19	1.04	31.29
Albion	0.40	1.55	0.50										
Alliance	0.34	T.	0.10		3.70	2.05	5.55	2.02	T.	3.78	0.35	0.50	
Alma	0.11	1.53	0.16	0.68	3.23	4.26	2.38	3.71	1.00	2.60	1.20	0.03	20.89
Anoka	0.12	1.00	0.69	1.90	5.14	8.32	2.56	3.04	2.79	4.24	0.19	0.90	30.89
Arcadia	0.03	0.60	0.35	0.58	2.84	8.77	3.89	4.29	1.69	1.72	0.40	0.06	25.24
*Ashland	0.35	2.00	0.69	1.13	5.20	11.86	6.80	3.59	0.31	2.61	0.63	0.16	35.33
Ashton	T.	0.22	0.18	1.08	2.76	7.04	4.00	5.32	0.93	2.28	0.36	0.01	24.18
Atkinson	0.25	0.54	0.15	1.62	4.68	5.20	6.11	2.42	T.	0.41	0.34	0.56	22.28
*Auburn	0.24	2.15	0.59	1.40	12.81	7.10	2.41	2.22	0.34	3.36	0.52	0.25	33.39
Aurora	0.40	2.13	1.00	1.75	7.53	7.96	5.25	3.47	0.85	4.54	1.32	0.00	36.20
Beatrice	0.30	2.07	0.42	2.53	8.33	13.25	3.77	4.04	0.21	2.56	0.57	0.30	38.35
Beaver City	0.23	1.05	0.14	0.98	3.29	2.54	1.46	5.66	0.14	3.56	1.47	T.	20.52
Bellevue	0.26	2.31	0.78	0.55	5.90	8.50	2.81	2.94	0.72	2.86	0.28	0.30	28.21
Benkelman	0.20	0.70	0.00	0.20	1.71	2.30	4.00		0.35	3.00			
Bertrand									0.30	2.96	0.85	0.00	
Blair	0.31	3.32	0.86	0.91	7.10	8.43	4.46	2.45	0.52	3.30	0.70	0.30	32.66
Bloomfield	0.23	1.53	0.69	1.40	5.51							0.45	
Bloomington	0.10	1.22	0.12	0.41	3.09	8.26	4.37	6.50	1.13	2.29	0.82	T.	28.31
Bluehill	0.20	1.20	0.45	1.56	5.85	8.01	6.23	8.49	0.96	1.20	1.30	0.00	35.45
Bradshaw	0.45	1.25	0.65	1.44	5.93	13.15	8.93	4.93	1.21	4.02	0.85	T.	42.81
Bridgeport	0.20	T.	0.20	1.38	3.28	3.30	2.49	0.89	T.	3.25	0.90	0.33	16.22

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
*Brokenbow	T.	1.53	0.15	0.40	3.77	7.13	4.51	4.19	2.32	1.96	0.34	T.	26.30
Burchard	0.10	2.32	0.55	1.91	13.95	8.80	4.52	3.73	1.33	4.30	0.38	T.	41.89
Burwell	T.	0.40	T.	T.	2.10	7.75	2.00	2.49	1.20	0.98	0.22	T.	17.14
Callaway	T.	T.	0.18	T.	4.93	.....	3.87	2.11	.....	.....	T.	.....	.....
Cambridge	0.05	0.94	0.20	0.40	3.39	3.25	3.02	3.44	0.13	2.36	1.38	T.	18.56
Central City	0.20	0.90	0.00	2.03	7.05	6.85	6.25	5.19	0.95	2.94	0.97	0.00	33.33
Chester	0.10	0.75	0.00	1.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Columbus	0.22	1.43	0.86	1.26	6.61	7.95	6.82	2.70	1.29	2.58	0.54	0.02	32.28
Cozad	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.06	0.55	0.06	.....
Crawford	0.35	0.20	0.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Crete	0.06	2.33	0.49	1.14	6.19	13.39	7.26	2.39	1.41	2.58	0.71	0.15	38.10
*Culbertson	0.20	0.92	0.34	0.05	2.83	2.94	2.91	4.77	0.39	1.50	1.36	0.05	18.26
Curtis	.....	1.55	0.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
David City	0.31	2.84	0.49	1.55	6.31	8.97	5.83	3.74	1.05	3.82	0.99	0.09	35.99
Dawson	0.05	1.19	0.46	3.11	10.44	8.10	3.44	5.86	0.46	2.79	0.56	0.05	36.51
Dubois	0.02	1.19	0.26	1.82	9.18	8.00	3.36	3.97	0.44	3.12	0.58	0.20	32.14
Duff	0.25	1.00	0.90	0.85	2.85	9.25	4.15	2.72	1.64	2.26	0.47	0.70	27.04
Dunning	0.00	0.60	0.50	2.00	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edgar	0.45	2.05	0.47	1.24	5.05	10.33	7.85	5.86	2.19	1.72	1.00	0.00	38.21
Ellis	0.40	2.25	0.75	1.83	8.92	17.75	4.23	4.76	0.40	2.63	0.60	0.10	44.62
Elmcreek	.....	.....	.....	.....	.....	4.69	5.91	3.32	0.36	2.44	0.07	0.00	.....
Elsie	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.96	0.68	0.08	.....
Endicott	0.15	1.80	0.75	2.35	8.81	15.95	4.48	4.18	0.85	1.83	0.40	T.	41.55
Ericson	T.	T.	T.	0.85	4.17	9.32	2.17	2.92	1.40	2.85	0.25	0.10	24.03
Ewing	0.20	0.65	0.35	0.82	3.96	8.02	3.08	3.95	1.14	2.31	0.41	0.20	25.09
*Fairbury	0.14	2.55	0.54	2.18	8.01	16.72	4.25	5.00	1.73	2.14	0.76	0.18	44.20
*Fairmont	0.55	1.28	0.22	1.12	6.00	11.31	7.13	5.67	1.07	2.10	0.78	T.	37.23
Fort Robinson	0.16	0.10	0.15	1.82	3.70	5.46	1.97	1.16	0.15	1.63	0.02	0.44	16.76
Franklin	0.20	.....	.....	0.54	4.74	6.01	5.84	6.06	0.65	1.77	1.20	T.	.....
Fremont	0.30	2.79	0.77	0.86	4.64	10.85	5.39	3.55	1.08	3.49	0.82	0.10	34.64
Fullerton	T.	1.29	0.17	1.92	6.45	7.29	3.72	7.29	0.74	2.78	0.75	T.	32.40
Geneva	0.55	1.40	0.17	1.17	8.00	10.81	10.20	6.05	0.80	2.18	1.04	T.	42.37
Genoa	0.20	1.49	0.25	1.18	6.83	7.93	3.17	3.22	0.97	2.52	0.88	0.02	28.66
Gering	0.40	T.	0.37	1.75	4.54	1.85	3.01	2.49	0.13	3.05	0.40	0.66	18.65
Gosper	0.25	1.45	0.25	0.75	4.26	4.58	3.08	3.45	0.43	3.53	0.98	T.	23.01
Gothenburg	0.30	0.73	0.23	0.12	4.06	5.86	3.15	3.44	0.42	3.01	0.75	0.10	22.17
*Grand Island	0.20	0.91	0.18	1.33	5.72	9.43	4.71	7.65	0.74	3.59	0.60	T.	35.06
Grant	0.10	0.05	0.15	0.45	3.97	3.72	3.51	2.40	T.	3.41	0.80	0.20	18.76
Greeley	0.32	0.29	0.64	1.83	3.92	7.61	4.22	3.62	1.17	1.91	0.35	0.60	26.48
Guiderock	0.20	1.80	0.15	0.77	4.75	8.25	9.61	6.49	1.70	1.94	1.08	0.15	36.89
Haigler	T.	0.60	0.10	0.09	3.15	5.16	4.61	2.27	0.00	3.75	1.45	0.07	21.25
Halsey	0.08	0.78	0.53	1.23	6.53	5.64	2.62	2.40	0.54	2.50	0.30	0.37	23.52
*Hartington	0.25	0.95	1.50	2.36	4.60	6.47	4.12	3.62	1.17	2.80	2.10	0.52	30.46
Harvard	0.15	1.15	0.04	0.82	4.71	9.79	5.90	6.24	0.66	1.51	0.84	T.	31.81
*Hastings	0.65	1.80	0.51	1.44	5.02	7.91	5.44	5.63	0.99	2.10	0.60	T.	32.09
Hayes Center	0.30	1.49	0.09	0.32	4.04	4.14	4.47	6.35	0.52	4.29	1.13	0.15	27.29
Hay Springs	0.20	0.10	0.82	1.93	4.99	3.22	2.78	3.30	T.	3.71	0.35	0.90	22.30
Hebron	0.10	1.20	0.51	1.44	6.49	14.96	6.38	6.69	0.82	1.83	0.77	0.30	41.49
Hendley	0.35	0.98	0.01	1.01	2.91	2.77	1.30	3.48	0.00	3.02	1.57	0.00	17.40
*Holdrege	0.50	1.25	T.	0.75	6.75	4.20	3.48	5.45	0.52	3.54	0.86	0.00	27.30
Hooper	0.30	2.28	0.54	0.60	5.11	8.90	5.79	2.58	0.96	3.64	0.89	0.11	31.70
Imperial	0.17	0.48	0.39	0.71	5.52	4.19	3.17	5.71	0.32	3.52	1.77	0.32	26.27
Kearney	0.10	0.97	0.19	0.64	2.86	6.04	5.33	3.25	0.27	2.17	0.70	0.05	22.57
Kimball	0.10	0.20	0.40	2.34	2.75	2.36	4.08	1.62	T.	1.98	0.60	0.30	16.73
Kirkwood	0.06	0.39	1.27	0.92	5.06	7.00	1.69	2.86	1.50	1.66	0.10	0.70	23.21
Leavitt	0.05	1.94	0.58	0.74	4.72	8.51	5.46	2.43	0.97	4.14	1.92	.....	.....
Lexington	T.	1.05	0.25	0.26	3.44	4.89	4.96	3.83	2.03	2.11	0.77	0.00	23.59
*Lincoln	0.28	2.13	0.74	1.28	5.35	11.24	8.08	2.84	0.53	2.34	0.72	0.16	35.69
Lodgepole	.....	T.	0.10	1.25	5.75	4.60	.....	.....	.....	.....	.....	.....	.....
Loup	T.	0.90	0.33	0.87	2.90	6.97	5.00	4.60	1.70	2.11	0.35	T.	25.73
Lynch	0.30	0.70	1.02	0.83	3.94	9.32	3.54	3.30	2.10	2.21	0.53	0.80	28.59
McCook	0.10	.....	0.05	0.50	2.57	2.95	3.92	4.00	0.48	1.39	0.60	T.	.....
McCool Junction	0.25	.....	0.75	0.55	7.05	12.38	10.05	6.10	1.55	2.21	1.40	T.	.....
Madison	0.15	1.75	T.	1.81	4.38	5.67	4.10	2.21	1.33	1.77	0.53	0.05	23.75
Marquette	0.30	1.09	0.60	0.83	8.22	7.55	6.63	5.57	0.94	4.00	1.07	0.02	36.82
Mason City	0.02	0.25	0.35	0.30	2.03	4.83	5.47	2.10	2.77	2.50	.....	0.26	.....
Minden	0.46	1.75	0.15	0.39	2.95	6.44	5.32	7.64	0.98	4.07	1.03	0.04	31.22
Monroe	0.18	1.51	0.31	2.10	8.50	8.17	4.32	4.93	1.42	2.26	0.88	0.03	34.61
Nebraska City	0.30	2.35	0.56	0.90	9.58	10.81	4.65	3.43	0.33	3.43	0.35	0.20	36.89
Nemaha	0.05	2.42	1.50	2.20	11.55	10.70	0.95	3.60	0.17	3.32	0.80	.....	.....
Norfolk	0.29	1.52	0.46	3.43	3.90	7.11	8.48	4.81	1.03	1.38	0.77	0.44	33.62
North Loup	0.02	0.97	0.54	1.81	4.56	9.80	3.12	3.06	1.85	2.25	0.35	0.02	28.35
*North Platte	0.16	0.78	0.20	0.64	3.95	5.07	3.17	1.57	0.24	3.39	0.59	0.20	19.96
*Oakdale	0.10	0.65	0.59	1.41	3.33	10.20	4.52	4.01	0.82	1.37	0.64	0.31	27.95
Oakland	0.11	1.67	0.09	0.75	5.31	6.00	.....	.....	.....	.....	.....	.....	.....
Odell	0.10	1.65	0.40	2.23	10.36	10.86	5.95	4.32	0.87	2.05	0.43	0.10	39.32
*Omaha	0.28	2.14	0.61	1.09	6.65	8.72	2.47	2.20	0.26	1.92	0.50	0.26	27.10
Ord	0.00	0.94	0.00	0.79	4.23	10.13	4.86	3.53	1.75	1.77	0.36	0.03	28.39
Orleans	.....	.....	.....	.....	3.35	6.36	2.23	5.69	0.80	2.12	1.23	0.00	.....
Osceola	0.17	1.35	0.56	0.74	5.32	9.01	.....	.....	.....	4.09	1.30	.....	.....
Palmyra	0.40	2.05	0.95	1.30	7.45	11.80	7.00	3.23	0.10	1.94	0.67	0.34	37.03
Pawnee City	0.05	1.57	0.37	2.09	14.61	8.53	3.97	4.93	0.37	3.02	0.53	0.20	40.24
Plymouth	0.07	2.02	0.65	1.92	8.03	15.58	3.65	3.50	1.08	1.73	0.62	0.26	39.11
Purdum	0.07	0.75	0.57	0.33	4.97	4.09	3.06	2.50	0.54	3.03	0.30	0.30	20.51
Ravenna	0.20	1.19	0.19	1.25	2.62	9.68	3.90	5.16	0.78	2.89	0.49	0.07	28.42
Red Cloud	0.04	1.46	0.39	1.10	4.16	7.98	7.87	6.15	0.89	1.42	0.84	T.	32.30
Republican	0.45	1.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Libory	0.15	1.40	0.18	1.64	3.79	8.17	7.17	4.44	0.61	3.97	0.91	0.08	32.51
St. Paul	0.10	1.30	0.16	2.29	3.33	9.52	5.66	4.61	0.85	2.49	0.55	T.	30.96
Santee	0.03	0.83	2.14	1.47	3.52	8.26	3.13	3.26	1.19	2.86	0.98	0.95	28.62
Sargent	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.52	0.05	.....
Schuyler	0.35	2.35	0.20	1.26	5.83	9.04	5.31	3.61	0.83	2.70	0.50	0.00	34.98
Scottsbluff	0.36	T.	0.31	1.78	4.15	1.92	2.40	2.19	0.09	2.79	0.23	0.81	17.03
Seward	0.45	2.95	0.04	0.69	6.16	13.74	9.65	7.58	1.00	2.53	1.12	T.	45.91
Sheridan	.....	.....	.....	.....	.....	.....	.....	.....	1.74	2.06	0.03	0.20	.....
Springview	T.	1.30	0.42	1.67	4.57	6.61	3.83	4.59	0.30	1.97	0.20	1.15	26.66

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Nebraska—Continued.													
Stanton	0.30	1.30	0.25	1.37	4.65	8.21	6.25	3.73	1.32	1.79	0.81	0.25	30.23
Strang	0.38	1.56	0.25	2.12	7.12	9.93	10.00	5.05	1.89	3.50	0.85	T.	42.65
Stratton	.....	1.55	0.25	0.25	2.78	2.97	1.63	3.32	1.08	2.62	1.32	0.00	.....
Superior	0.05	1.85	0.00	1.31	3.62	10.32	6.70	4.85	1.08	1.78	0.72	0.00	32.28
Syracuse	0.45	3.05	0.65	1.40	7.90	11.75	6.60	2.05	1.00	2.05	0.05	0.00	36.96
Table Rock	0.18	1.77	0.67	1.46	12.32	7.50	2.46	3.61	0.54	3.15	0.46	0.20	34.35
Tecumseh	0.06	2.10	0.30	1.70	12.82	8.94	4.15	2.63	0.43	4.64	0.51	0.18	38.42
*Tekamah	0.40	2.45	0.93	1.60	6.78	10.62	6.70	3.63	0.84	3.55	0.52	0.40	38.42
Turlington	0.55	2.24	0.76	0.85	9.05	9.27	6.36	2.69	0.38	2.61	0.44	0.40	35.60
University Farm	0.20	2.40	0.59	1.93	5.26	11.73	9.58	2.30	0.44	2.54	0.50	0.12	37.59
*Valentine	0.16	0.40	1.19	0.96	4.78	2.91	2.33	1.97	0.11	2.64	0.68	1.38	19.51
Wahoo	0.35	2.20	0.35	1.29	7.20	12.80	7.31	4.64	0.99	3.34	0.60	0.20	41.27
Wakefield	0.18	1.93	0.66	1.92	6.03	5.03	3.86	4.14	1.29	2.46	0.67	0.36	28.53
Watertown	0.02	1.26	0.23	0.73	2.95	5.88	4.55	2.94	0.99	1.73	0.55	0.06	21.89
Wauneta	0.10	0.78	0.25	0.12	4.01	6.38	3.78	4.10	0.20	3.90	1.15	0.00	24.77
Weeping Water	0.47	2.59	1.27	1.59	7.06	12.24	3.74	4.19	0.63	2.50	0.40	0.28	36.96
Westpoint	0.15	2.10	1.80	2.07	4.26	7.90	4.96	6.85	0.65	3.86	1.25	0.10	35.95
Wilber	0.60	2.60	0.37	1.54	6.66	15.42	6.90	3.64	1.45	2.83	0.60	0.15	42.76
Wilsonville	T.	0.85	T.	0.60	2.91	3.69	3.15	4.12	T.	2.81	.....	.....	.....
Winnebago	0.20	1.83	1.13	1.52	7.17	3.35	3.28	.....	.....	.....	.....	.....	.....
Wisner	0.09	1.83	1.75	2.00	7.02	7.93	3.72	3.91	1.59	3.43	0.20	0.16	33.63
Woodlawn	.....	.....	.....	0.95	6.01	9.83	.....	4.86	0.89	2.81	0.72	0.13	.....
Wymore	0.20	1.94	0.24	2.05	10.30	10.24	4.17	2.97	0.90	1.62	T.	T.	34.63
York	0.45	1.53	0.49	1.12	6.59	10.94	8.38	5.28	1.04	2.40	1.11	T.	39.33
Nevada.													
Austin	1.55	1.30	1.55	1.03	1.41	.....	.....	.....	.....	.....	.....	.....	.....
Battle Mountain	0.47	0.90	0.04	1.75	0.83	.....	0.09	0.00	1.00	.....	T.	0.00	.....
Beowawe	0.81	.....	0.54	.....	.....	.....	0.42	0.30	.....	0.14	0.60	0.00	.....
Carlin	.....	.....	.....	.....	1.12	0.89	0.10	1.16	0.30	0.60	.....	.....	.....
Carson Dam	0.62	0.67	.....	0.26	0.24	T.	T.	T.	0.17	T.	T.	T.	.....
Cherry Creek	.....	.....	.....	0.09	2.26	1.09	0.53	1.29	.....	0.77	0.00	0.00	.....
Clover Valley	0.81	0.88	0.63	0.11	2.51	0.88	0.32	0.88	0.32	1.49	0.37	0.25	9.45
Columbia	0.67	2.31	0.45	0.51	1.30	T.	.....	0.75	0.45	1.00	T.	0.12	.....
*Elko	1.00	0.65	0.65	.....	0.43	0.04	0.35	0.03	1.20	0.33	.....	.....	.....
Ely	0.67	1.15	0.23	T.	1.11	0.68	0.90	0.99	1.08	0.16	0.28	0.20	7.45
Eureka	2.15	2.55	1.95	0.30	2.13	0.44	1.28	0.57	1.70	0.53	0.15	0.25	14.00
Fallon	0.49	0.48	0.02	0.28	0.92	0.05	0.15	0.02	0.62	0.17	T.	0.07	3.27
Fernley	0.79	0.50	T.	0.23	0.83	0.03	0.07	0.11	0.20	0.26	T.	0.40	3.42
Gardnerville	0.65	1.40	0.40	0.00	1.20	0.00	0.09	T.	0.03	1.11	0.26	0.91	6.05
Geyser	0.30	1.80	0.40	0.20	0.57	0.00	0.24	0.45	.....	.....	.....	.....	.....
Golconda	0.45	0.30	0.25	0.85	1.15	0.80	0.20	0.00	1.10	1.15	0.00	0.00	6.25
Halleck	0.70	0.80	0.45	0.60	2.19	0.94	0.54	1.15	0.76	0.82	0.27	0.20	9.42
Hamilton	1.90	5.20	2.40	0.34	1.64	1.40	0.97	0.01	1.52	0.60	.....	0.20	.....
Humboldt	1.20	.....	0.00	.....	1.35	.....	T.	0.00	.....	0.01	0.00	0.00	.....
Jean	1.30	0.10	0.20	0.00	T.	0.00	0.10	0.06	2.71	1.00	0.00	0.00	5.47
Las Vegas	0.18	0.09	0.02	T.	0.01	T.	0.60	1.35	2.00	0.48	0.00	T.	4.73
Leetville	0.33	0.45	T.	0.20	1.20	T.	T.	0.00	0.46	0.00	0.00	.....	.....
Lewers Ranch	1.80	1.15	0.50	0.13	2.80	0.16	0.25	0.00	0.38	1.40	1.10	1.00	10.67
Logan	1.90	1.45	0.70	0.03	0.29	T.	0.04	0.90	1.18	0.44	T.	0.58	7.51
Lovelock	.....	.....	0.08	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....
McAfees Ranch	1.10	0.60	0.20	0.50	T.	0.30	1.00	0.20	0.80	0.20	0.00	0.15	5.05
Mill City	1.25	0.01	0.00	0.35	1.05	0.50	T.	0.00	.....	.....	.....	.....	.....
Millett	0.82	1.14	0.05	0.12	0.38	0.00	1.42	0.60	0.45	0.07	T.	0.13	5.18
Mina	0.60	0.70	0.00	0.05	0.00	0.00	0.10	0.00	0.45	0.00	0.10	0.10	2.10
Palmetto	3.40	4.10	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Panaca	.....	.....	.....	0.44	0.65	0.09	1.78	0.32	2.10	1.36	0.00	.....	.....
Potts	0.22	1.30	0.05	0.05	0.45	T.	0.52	0.15	0.13	0.22	0.10	0.15	3.34
Quinn River Ranch	0.74	0.06	0.03	0.25	0.43	0.88	0.23	0.41	0.73	.....	0.43	0.14	.....
*Reno	0.83	0.32	0.26	0.11	0.71	0.24	1.53	0.20	0.49	0.28	0.29	0.16	5.42
San Jacinto	0.50	0.10	.....	0.06	1.92	2.06	0.11	0.67	0.95	1.45	0.00	0.10	.....
Soda Lake	0.44	0.40	0.00	0.73	0.91	0.00	0.00	.....	0.62	T.	.....	.....	.....
Tecoma	0.60	0.80	0.20	0.01	1.22	2.88	0.10	T.	0.40	T.	0.08	T.	6.29
*Tonopah	1.10	1.04	0.22	0.38	0.46	T.	0.92	0.30	0.74	0.06	T.	0.08	5.30
Wabuska	0.45	0.62	.....	0.32	0.68	0.91	T.	T.	0.20	0.12	0.25	0.25	.....
Wells	.....	.....	0.02	0.08	2.56	0.39	0.39	0.84	0.00	0.17	0.30	0.01	.....
*Winnemucca	0.56	0.23	0.25	0.87	1.02	0.80	0.29	0.04	1.23	0.90	0.20	0.03	6.42
New Hampshire.													
Alstead Center	2.08	3.27	2.34	2.92	5.10	1.16	4.08	4.51	0.93	1.89	0.91	2.64	31.83
Bethlehem	2.49	2.43	2.16	2.56	2.84	2.28	3.74	2.98	1.19	1.81	1.75	2.73	28.66
*Concord	2.07	3.31	1.68	1.85	4.25	0.29	2.07	5.58	0.45	1.62	0.81	2.27	26.25
Durham	3.48	2.48	1.54	1.21	4.54	0.96	3.16	5.43	1.05	3.66	1.43	3.27	32.21
Franklin	2.35	5.03	1.99	1.52	5.62	1.64	3.26	3.55	0.61	1.32	1.23	3.09	31.21
Grafton	1.80	4.60	1.55	2.29	5.08	0.60	5.26	3.28	0.75	1.69	0.79	2.34	30.03
Hanover	1.56	3.04	1.24	2.18	3.99	2.17	2.32	2.84	1.14	1.90	0.94	2.44	25.76
Keene	2.20	3.16	2.67	3.02	3.94	0.78	4.70	4.59	0.72	1.35	1.00	2.46	30.59
Nashua	2.82	4.80	2.61	1.96	4.23	0.96	4.30	7.42	0.63	1.92	0.97	2.87	35.49
Newton	3.30	4.31	2.40	2.28	4.44	0.77	3.38	5.62	0.81	4.15	1.13	2.62	35.21
Plymouth	2.05	3.21	1.67	2.81	5.46	0.68	5.18	4.57	0.94	1.07	1.25	2.95	31.84
New Jersey.													
Asbury Park	3.63	4.18	2.79	2.83	5.99	0.85	3.63	5.87	1.21	1.47	1.03	4.32	37.80
*Atlantic City	3.13	2.94	1.77	1.47	5.56	1.04	4.16	4.33	4.13	3.18	0.91	5.26	37.88
Bayonne	3.74	4.62	2.58	2.16	9.23	2.00	3.45	5.99	1.99	2.02	0.97	4.10	42.85
Belvidere	3.35	5.94	3.21	3.20	7.52	2.08	6.25	3.93	1.96	2.80	0.82	2.64	43.70
Bergen Point	4.37	5.92	3.06	3.06	9.99	2.10	3.31	6.61	2.15	2.53	0.85	3.91	47.86
Boonton	4.07	6.73	2.63	1.78	8.85	2.31	6.01	5.85	1.51	2.34	1.26	2.92	46.26
Bridgeton	2.95	3.66	1.87	3.44	7.73	4.40	4.03	4.71	2.87	1.55	1.02	4.56	42.79
Browns Mills	3.75	4.58	3.16	3.12	7.21	3.12	5.50	4.89	1.58	.....	.....	.....	.....
Burlington	3.65	4.22	3.52	3.57	7.24	2.96	6.00	4.86	1.97	2.68	1.11	3.93	45.71
Canton	2.44	3.74	1.96	2.39	6.05	2.03	5.61	5.74	2.46	2.00	1.12	3.84	39.38
*Cape May	4.27	2.85	1.87	2.14	4.39	1.29	3.12	5.03	2.54	2.66	1.24	4.03	35.43
Cape May C. H	4.09	3.71	1.97	1.94	4.62	0.81	2.10	4.39	2.74	2.46	1.04	4.72	34.59

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Jersey—Continued.													
Charlotteburg	3.66	7.44	2.91	3.86	7.85	4.43	4.67	3.98	1.67	3.64	0.67	3.02	47.80
Chatham	4.47	5.88	3.28	1.82	8.67	2.04	3.84	5.77	2.14	3.12	1.17	3.41	45.61
Clayton	3.41	5.09	2.35	2.57	6.29	3.53	8.12	4.87	2.30	2.21	1.20	4.36	46.30
College Farm	.....	.....	.....	3.31	7.23	2.34	5.12	5.00	1.93	3.67	1.16	3.40	.....
Culvers Lake	2.72	4.88	3.45	3.60	7.20	2.55	3.14	3.66	2.84	4.25	0.75	2.78	41.82
Dover	4.21	7.40	3.16	3.14	7.72	2.91	6.91	5.10	2.60	4.21	1.02	3.15	51.53
Egg Harbor City	4.07	3.64	2.13	2.63	6.84	1.52	2.70	3.34	3.05	2.10	1.03	4.99	38.04
Elizabeth	3.82	4.04	2.27	2.23	8.00	2.36	3.08	4.96	1.74	2.25	1.00	3.61	39.36
Englewood	4.20	5.93	2.17	1.82	9.44	1.63	4.27	5.96	1.69	2.07	0.89	3.59	43.66
Flemington	3.75	5.15	3.58	2.96	9.02	2.26	5.10	5.15	3.04	5.14	0.86	2.87	48.88
Freehold	.....	.....	.....	.....	.....	.....	6.98	9.23	1.43	1.70	.....	3.91	.....
Friesburg	2.79	3.54	1.95	2.60	5.87	2.40	3.94	4.53	2.33	1.87	1.18	3.50	36.50
Haddonfield	.....	3.21	3.31	3.18	6.16	2.09	4.95	5.10	1.97	1.96	1.26	3.89	.....
Hammondton	4.52	3.78	2.79	2.43	6.10	1.62	6.53	3.76	2.41	1.62	0.99	5.09	41.64
Hightstown	3.52	3.62	3.63	3.50	7.18	4.39	5.69	7.17	1.62	3.20	1.04	3.75	48.31
Imlaystown	3.73	.....	.....	3.10	7.67	4.63	4.81	5.74	1.71	2.63	1.21	3.03	.....
Indian Mills	4.12	4.27	2.66	2.68	7.14	2.79	6.58	6.09	2.08	2.76	1.20	4.59	47.05
Jersey City	4.03	5.44	2.53	2.20	9.09	1.50	4.92	5.63	1.81	1.87	0.93	3.43	43.38
Lambertville	3.66	5.04	3.53	3.23	9.40	1.87	3.11	6.97	1.96	3.33	1.11	3.70	46.91
Layton	2.29	4.50	2.97	3.07	5.73	2.25	1.97	2.43	2.30	3.75	1.17	2.27	34.70
Little Falls	4.00	6.86	2.61	1.82	10.84	2.32	4.92	7.15	1.57	1.86	0.87	2.79	47.61
Long Branch	4.11	4.32	3.12	3.09	6.16	1.01	.....	6.50	0.95	1.30	0.91	4.24	.....
Mahwah	3.77	7.29	4.04	1.87	10.19	1.86	4.60	6.22	1.42	2.60	0.62	2.86	47.34
Moorestown	3.91	4.07	3.61	3.33	7.39	2.55	6.09	3.94	1.82	2.14	1.04	3.56	43.45
Morristown	4.08	6.85	2.48	2.88	7.32	2.73	5.37	5.72	.....	.....	.....	.....	.....
Newark	4.50	3.98	2.15	2.52	9.01	4.17	6.30	7.74	1.69	2.10	0.35	3.15	47.66
New Brunswick	4.22	5.10	3.13	2.93	6.44	2.83	4.23	5.09	1.98	3.59	0.53	3.32	43.39
Newton	3.15	4.95	3.12	2.70	7.10	2.90	2.99	4.51	2.30	3.05	0.76	2.61	40.14
Northfield	2.95	3.01	1.74	1.69	5.89	0.90	2.73	3.36	3.08	2.80	1.07	4.63	33.76
*Oceanic	4.31	4.69	3.42	2.64	6.52	1.22	4.89	6.28	1.28	1.54	1.14	4.14	42.07
Paterson	3.45	6.73	2.54	3.19	8.40	2.47	4.53	7.22	1.41	1.64	0.77	3.12	45.47
Phillipsburg	2.88	5.37	2.93	2.57	6.34	2.12	4.48	3.78	2.23	2.88	0.96	2.62	39.16
Plainfield	4.29	5.75	3.08	3.20	7.40	2.76	5.00	6.60	2.12	3.59	1.09	3.71	48.59
Pleasantville	2.70	1.58	1.06	1.42	5.41	0.83	2.50	2.69	2.94	3.59	1.03	4.92	30.67
Pompton Plains	4.33	6.97	2.80	1.87	10.31	2.43	7.01	6.16	1.39	2.21	0.88	2.83	49.19
Port Norris	3.29	4.10	1.65	2.50	5.94	1.98	2.88	2.65	3.02	2.29	0.93	4.80	36.03
Rancocas	3.28	4.55	3.39	3.30	6.28	2.39	5.93	3.61	1.89	2.30	1.05	3.80	41.77
Riverdale	.....	6.40	3.26	.....	8.87	2.52	6.01	6.27	1.15	4.10	0.40	2.60	.....
Runyon	4.46	4.00	3.36	2.03	7.17	2.74	3.41	4.48	1.20	2.05	1.01	3.47	39.38
Somerville	4.28	5.78	3.63	3.24	7.20	1.68	5.16	5.85	2.14	4.34	1.12	3.57	47.99
South Orange	4.20	5.47	2.74	2.84	8.17	3.27	4.33	5.69	1.52	2.70	0.94	3.24	45.11
Sussex	2.91	4.41	3.09	2.92	6.41	2.29	3.47	3.41	1.16	2.22	0.55	2.10	34.94
Toms River	5.22	3.03	3.65	.....	.....	1.52	3.59	.....	.....	.....	.....	.....	.....
Trenton	4.30	5.12	4.92	3.34	6.80	2.61	5.05	6.34	2.60	3.16	0.80	3.53	48.57
Tuckerton	3.81	3.61	3.16	2.40	5.50	0.97	2.94	4.46	2.81	2.46	1.09	5.04	38.25
Vineland	4.27	4.34	1.54	2.86	5.80	1.95	6.26	3.15	2.29	1.67	0.91	4.51	39.55
Woodbine	4.40	3.39	1.56	1.79	4.88	0.77	2.92	3.74	2.88	2.17	0.96	4.39	33.85
New Mexico.													
Agricultural College	0.38	0.65	0.17	0.27	0.22	0.00	1.99	1.33	0.03	0.22	0.65	0.06	5.97
Alamogordo	1.15	0.30	0.42	1.29	0.08	0.13	4.30	3.06	0.26	0.19	0.83	T.	12.11
Albert	0.13	1.45	0.00	2.56	0.32	0.40	0.88	3.43	1.12	1.19	0.75	T.	12.23
Albuquerque	0.42	0.34	0.00	2.09	0.34	0.28	1.52	1.75	0.37	0.22	0.04	0.24	7.61
Alto	.....	.....	.....	2.69	0.78	0.28	1.82	.....	0.81	0.30	0.88	0.02	.....
Bell Ranch	0.40	0.58	0.00	1.05	0.34	1.31	2.98	2.19	0.45	0.65	1.25	T.	11.20
Black Rock	.....	.....	.....	.....	.....	0.33	1.16	2.52	0.35	0.28	0.10	0.46	.....
Bloomfield	0.26	1.52	0.20	0.56	0.50	0.06	0.47	3.30	0.05	0.46	0.22	1.23	8.83
Bluewater	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.31	0.07	.....
*Cambray	0.27	0.28	0.00	0.53	0.00	0.00	1.64	3.15	0.00	T.	0.45	0.10	6.42
Carlsbad	0.33	T.	0.38	0.68	T.	1.69	7.20	1.98	0.95	T.	0.37	T.	13.58
Carrizozo	.....	.....	.....	.....	.....	0.76	2.98	2.20	0.20	0.35	0.65	0.30	.....
Chama	1.70	1.70	1.12	1.74	1.00	0.28	2.80	4.55	0.89	1.48	2.35	0.60	20.21
Cimarron	0.60	0.40	0.27	1.67	1.25	0.18	2.00	2.71	0.09	0.65	0.62	0.20	10.10
Cliff	0.65	1.66	0.23	0.11	0.36	0.00	2.36	4.72	0.92	0.00	0.72	1.14	12.87
Cloudcroft	1.96	2.00	1.00	0.53	0.07	0.00	2.68	7.61	0.39	0.25	0.80	0.10	17.39
Datil	.....	.....	.....	.....	1.00	.....	1.30	.....	.....	.....	.....	.....	.....
Deming	0.64	0.31	0.18	0.94	0.03	0.08	1.18	1.01	0.00	0.00	T.	0.13	4.50
Demonstration Farm	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.70	0.30	.....
Dorsey	0.00	[1]0.75	0.00	1.95	2.25	0.38	2.36	3.60	0.28	0.88	0.60	T.	13.05
Dulce	0.98	1.00	0.00	1.67	0.00	.....	2.51	.....	.....	.....	.....	.....	.....
Duran	.....	.....	.....	.....	.....	.....	.....	5.49	0.68	0.10	1.30	0.03	.....
Eagle Rock Ranch	0.23	1.05	.....	.....	.....	0.94	1.72	4.23	.....	.....	.....	.....	.....
Elizabethtown	1.20	0.60	1.60	2.40	1.50	0.40	3.72	3.34	0.25	0.35	1.30	0.55	17.21
Elk	0.05	0.05	0.30	1.22	T.	T.	4.98	5.06	0.40	0.21	1.68	T.	13.95
Espanola	0.16	0.90	0.39	1.01	1.05	0.20	0.94	3.05	0.41	0.35	1.38	0.40	10.24
Estancia	0.20	T.	0.13	3.54	0.78	0.00	4.46	.....	.....	.....	.....	.....	.....
Fairview	0.30	0.80	.....	0.70	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fort Bayard	1.94	2.05	0.37	0.74	0.51	0.14	2.38	2.85	0.81	0.00	0.21	0.52	12.52
Fort Stanton	0.15	0.60	0.15	1.15	0.48	0.19	2.49	6.46	1.32	0.05	0.75	T.	13.79
Fort Union	0.11	0.48	T.	1.92	0.65	1.35	6.27	4.78	0.80	1.23	0.77	0.05	18.41
Fort Wingate	1.28	1.62	0.92	1.73	1.98	0.25	1.37	4.17	1.59	0.30	0.37	0.10	15.68
Frisco	1.42	2.92	[2]1.34	.....	.....	.....	.....	.....	.....	.....	1.10	2.62	.....
Fruitland	0.32	1.57	0.01	0.37	0.36	T.	1.44	1.06	T.	0.03	T.	[2]0.85	6.01
Gage	0.56	0.22	0.17	0.74	0.12	0.00	1.92	2.15	0.31	0.00	0.10	0.70	6.99
Gallinas Planting Station	0.56	1.53	1.30	3.23	1.05	0.58	5.10	5.71	0.28	1.09	1.13	0.44	22.00
Hillsboro	0.61	1.64	0.69	0.80	0.52	0.35	2.99	2.91	0.80	0.04	0.73	T.	12.08
Hondo Reservoir	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.69	T.	.....
Hope	.....	0.00	T.	[2]0.98	T.	T.	4.04	5.27	0.00	0.00	0.40	0.00	.....
Laguna	T.	0.60	0.40	1.60	T.	0.15	3.55	0.70	0.25	T.	1.10	0.00	8.35
Lagunita	0.36	0.86	0.00	2.88	0.65	0.07	2.21	2.85	0.32	0.36	1.50	T.	12.06
Lake Valley	0.45	0.81	0.93	0.54	0.29	0.29	2.85	2.71	0.37	0.10	1.05	0.34	10.73
La Huerta	.....	.....	.....	.....	.....	.....	.....	.....	[2]0.74	.....	0.31	T.	.....
Las Vegas	0.14	1.05	0.05	1.12	0.68	1.13	2.71	9.24	0.06	0.76	0.96	0.26	18.16
Logan	0.18	1.46	0.00	2.22	0.55	0.31	1.94	2.74	1.12	0.80	1.50	T.	12.82

[1] Interpolated. [2] Incomplete.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New Mexico—Continued.													
Lordsburg	1.75	0.71	0.34	0.68	0.20	0.00	1.61	0.97	0.65	0.10	0.35	1.30	8.66
Los Alamos	0.16	1.40	T.	1.88	0.72	1.02	4.51	5.54	0.25	0.39	0.93	0.20	17.00
Los Lunas	0.27	0.22	0.00	1.73	0.38	0.12	1.45	0.40	0.22	0.08	0.18	0.22	5.27
Luna	0.31	2.30	0.84	T.	1.07	0.00	[1] 1.61	3.66	1.02	0.70	0.70	1.63	13.84
Magdalena	0.65	0.65	T.	2.99	0.35	0.15	4.36	3.71	0.47	0.60	0.58	0.25	14.76
Manuelito	0.57	2.24	0.08	1.13	1.50	0.05	0.85	4.10	0.54	0.82	1.40	.....	.....
Maxwell City	0.00	0.80	0.00	1.63	1.20	1.36	3.44	1.38	0.00	0.65	0.72	0.00	11.18
Melrose	.....	.....	.....	.....	.....	.....	3.05	2.97	1.43	0.15	0.86	T.	.....
*Miami Ranch	.....	[1] 0.67	0.00	1.63	1.64	1.37	1.84	1.57	0.44	1.24	1.00	0.00	.....
Mimbres	1.22	1.36	0.67	0.99	0.79	0.12	4.08	1.65	1.83	0.00	0.39	1.15	14.25
Mineral Hill	0.20	0.76	0.30	1.97	1.06	3.19	4.75	5.61	T.	1.04	1.05	0.34	20.27
Monument	1.00	0.00	0.00	0.50	3.70	1.10	6.85	2.90	0.75	0.00	0.25	0.00	17.05
Mountainair	0.60	0.51	0.36	3.00	0.61	0.66	4.78	2.50	0.78	0.67	1.73	0.37	16.57
Nara Visa	0.13	0.76	0.00	2.55	0.42	0.01	1.78	2.56	1.37	0.33	1.08	T.	10.99
Orange	0.21	0.00	1.27	0.48	0.12	0.81	2.00	3.40	0.68	.....	0.35	0.23	.....
Oscura	.....	.....	.....	.....	.....	.....	.....	.....	0.71	0.27	0.70	0.13	.....
Otis	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.55	0.00	.....
Red River	(1)	2.70	1.34	4.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
Redrock	1.00	1.10	0.10	0.20	0.10	0.00	2.36	1.47	0.00	0.00	0.19	0.67	7.19
Rincon	0.26	0.28	0.10	0.27	0.37	0.00	1.22	5.66	T.	T.	0.70	T.	8.66
Rio Grande Dam	.....	.....	.....	.....	.....	.....	.....	[1] 3.12	0.63	0.03	0.81	0.04	.....
Rociada	0.50	2.08	0.70	3.39	1.41	0.70	3.96	4.52	0.50	1.10	1.14	0.10	20.10
Rosa	1.30	0.96	0.09	1.04	0.09	0.07	0.83	1.50	0.29	0.10	.....	0.37	.....
Rosedale	0.39	0.63	0.09	1.55	0.81	0.72	3.54	5.32	1.35	0.38	1.02	0.54	16.34
*Roswell	0.26	0.28	0.01	1.29	0.07	0.68	2.16	2.87	1.29	T.	0.70	0.01	9.62
San Jon	0.36	0.84	T.	1.12	0.45	T.	1.16	4.22	0.97	0.37	0.51	T.	10.00
San Marcial	0.30	0.40	0.00	1.00	T.	0.40	2.40	.....	T.	0.00	.....	0.00	.....
San Rafael	0.65	0.82	0.30	0.69	0.86	0.17	4.52	2.61	0.66	0.03	0.72	0.20	12.22
*Santa Fé	0.36	0.85	0.28	1.85	2.10	0.60	2.14	2.74	0.07	0.56	1.14	0.10	12.79
Santa Rosa	0.09	0.54	T.	1.49	0.10	1.02	4.27	3.51	0.43	0.48	0.93	0.13	12.99
Socorro	0.00	0.48	0.04	2.05	0.35	0.06	0.93	1.35	0.35	0.04	0.61	0.03	6.29
Springer	0.00	1.00	0.00	1.54	0.87	0.80	4.03	2.10	0.11	0.60	0.72	0.00	11.77
Strauss	T.	T.	0.28	0.22	T.	0.00	2.52	2.13	0.00	0.00	0.65	.....	.....
Sunnyside	.....	.....	.....	.....	.....	0.97	2.82	5.56	1.20	0.50	2.30	.....	.....
Taos	2.11	0.97	0.48	2.87	1.33	T.	2.75	2.33	0.92	0.46	0.69	0.40	15.31
Trementina	0.20	0.80	0.00	0.80	0.10	0.46	4.50	4.03	0.70	0.25	1.24	T.	13.08
Tres Piedras	0.67	2.65	1.05	1.41	0.32	0.10	2.03	2.90	1.10	0.95	2.05	0.70	15.93
Tucumcari	0.20	0.90	0.00	1.60	0.24	0.44	3.45	1.78	1.03	0.93	0.98	T.	11.55
Tularosa	.....	.....	.....	[1] 0.58	0.06	0.01	1.82	5.25	0.22	0.27	0.65	0.04	.....
Valley	0.10	0.40	0.01	1.70	0.40	0.10	0.68	4.14	0.80	1.45	0.20	0.10	10.08
Vermejo Park	0.10	1.00	0.20	2.61	0.77	0.30	2.73	3.42	0.03	0.33	1.34	0.00	12.83
Wagon Mound	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.95	T.	.....
Winsor's	[1] 0.20	1.73	0.70	2.78	2.54	1.35	8.23	5.10	0.50	[1] 0.85	1.48	0.90	26.36
New York.													
Adams Center	4.15	3.69	2.02	4.57	6.78	4.09	5.01	2.36	2.76	2.05	1.80	4.67	43.95
Addison	1.46	3.31	3.13	2.70	6.55	3.91	6.94	2.45	0.96	1.64	1.11	1.76	35.92
*Albany	1.71	2.77	1.43	2.62	4.26	2.32	5.33	3.63	0.64	2.07	0.40	1.58	28.41
Allegany	2.97	4.15	3.79	4.18	6.39	4.36	6.86	3.65	1.14	1.05	1.49	2.86	42.89
Amsterdam	1.64	3.38	3.00	2.65	6.20	2.30	3.04	5.81	2.10	2.93	0.86	2.17	36.08
Angelica	1.99	3.95	2.46	3.18	6.38	3.78	3.93	3.46	0.77	0.69	1.20	1.79	33.58
Appleton	1.28	2.24	2.23	2.61	2.53	1.99	3.60	2.19	1.03	1.04	1.45	1.08	23.27
Athens	2.20	4.36	2.20	2.39	3.98	2.77	4.61	2.58	0.87	3.26	0.35	2.04	31.61
Auburn	1.92	2.38	2.09	4.44	4.36	3.91	3.43	1.33	0.95	1.93	1.47	1.84	30.05
Avon	1.43	1.43	1.41	2.69	3.67	3.77	5.12	1.81	1.34	0.99	1.87	0.61	26.14
Baldwinsville	3.43	3.81	3.18	5.82	3.62	5.98	5.76	1.94	1.52	2.38	.....	2.17	.....
Ballston Lake	1.13	.....	3.20	2.29	4.80	3.10	2.44	4.17	1.16	3.07	0.80	1.19	.....
Bedford	3.82	5.80	2.85	1.42	5.83	1.34	4.44	7.99	1.19	1.49	0.47	2.89	39.53
Benson Mines	.....	.....	2.49	3.13	5.65	2.88	3.58	2.06	1.62	1.84	3.73	3.66	.....
*Binghamton	2.12	3.09	3.12	2.96	3.95	1.11	3.58	1.29	1.41	2.31	0.75	1.47	27.16
Blue Mountain Lake	4.67	5.64	2.45	.....	6.88	1.69	3.27	1.59	2.85	2.44	3.17	2.90	.....
Bolivar	.....	.....	.....	3.33	.....	.....	4.75	.....	.....	1.06	1.29	2.18	.....
Bouckville	2.87	4.20	2.76	2.90	4.46	1.89	3.57	1.36	1.36	2.60	1.99	2.68	32.73
Boyds Corners	3.97	6.27	3.46	2.13	7.37	2.22	2.50	4.59	1.04	2.09	0.90	3.57	40.11
Brockport	2.38	2.71	2.97	2.40	3.95	2.65	6.32	1.61	1.06	1.26	1.36	1.71	30.38
*Buffalo	2.90	5.18	2.59	3.60	4.08	2.45	3.40	2.85	1.06	0.98	2.23	2.92	34.24
Canton	2.05	3.94	3.04	2.59	6.45	4.72	4.95	1.01	1.83	1.71	2.19	2.12	33.60
Cape Vincent	2.05	2.85	1.65	2.05	5.10	4.15	4.60	2.05	1.10	1.94	1.66	1.91	31.11
Carmel	3.50	5.16	3.22	1.81	6.33	2.25	2.56	6.32	0.84	1.76	1.05	3.72	38.52
Carvers Falls	1.49	4.58	1.03	2.06	3.54	3.94	1.67	3.13	0.62	2.91	1.49	3.10	29.56
Chatham	2.29	2.76	2.04	1.82	3.77	3.10	2.87	2.57	0.81	2.25	0.66	1.56	26.50
Chazy	1.25	1.88	1.25	0.45	3.18	1.15	2.29	3.43	1.39	0.93	0.79	1.40	19.39
Cooperstown	2.31	4.32	2.72	3.98	5.50	2.27	5.50	2.77	1.63	3.29	1.22	3.34	38.85
Cortland	1.67	3.14	2.66	2.59	5.49	3.57	3.87	1.39	1.02	2.33	1.47	1.80	31.00
Cutchogue	3.35	5.15	3.43	2.60	3.53	1.12	2.88	3.60	1.03	1.95	1.09	4.97	34.70
Dannemora	2.79	3.64	2.80	2.35	6.48	2.21	2.81	1.33	1.04	1.66	1.80	2.64	31.55
De Ruyter	2.63	5.45	3.18	3.44	5.04	2.62	3.75	1.67	1.56	2.87	1.76	1.77	35.74
Easton	1.62	2.18	1.44	2.89	5.85	.....	2.18	.....	0.87	2.99	0.56	1.50	.....
Elba	1.61	3.82	3.35	2.77	4.43	3.67	5.07	1.79	1.36	1.17	1.49	2.45	32.98
Elmira	1.54	1.49	3.37	2.84	4.94	1.82	2.26	2.06	0.75	2.20	0.90	1.30	25.47
Faust	1.82	4.03	2.08	.....	.....	.....	3.06	3.48	1.45	.....	.....	.....	.....
Fayetteville	2.25	2.14	2.29	2.82	5.20	1.40	3.60	0.59	1.03	2.92	1.19	1.35	26.78
Fort Plain	1.92	3.28	3.15	2.74	5.18	2.36	2.19	3.21	2.69	2.36	0.99	2.30	32.37
Franklinville	2.93	4.02	2.78	4.27	5.50	5.63	4.10	2.27	1.21	1.01	1.92	2.22	37.86
Gabriels	.....	.....	.....	.....	4.83	1.38	2.50	.....	.....	1.60	3.44	2.82	.....
*Glens Falls	2.07	5.73	2.32	2.85	4.73	2.98	3.85	2.69	1.34	3.21	1.05	2.90	35.78
Gloversville	2.62	4.56	3.78	3.09	5.67	1.34	2.56	2.73	1.61	3.27	1.32	4.35	36.90
Greenfield	2.60	5.25	3.03	3.43	5.30	1.63	2.35	4.32	1.37	3.45	1.27	1.99	35.99
Greenwich	1.32	3.16	2.33	3.35	5.06	2.75	2.21	3.71	.....	.....	.....	.....	.....
Griffin Corners	2.31	4.62	3.18	2.08	4.81	1.14	2.80	1.33	2.49	3.17	0.54	2.37	30.84
Harkness	1.15	1.35	1.35	1.68	3.53	2.08	2.64	1.23	1.27	1.40	0.69	1.25	19.62
Haskinville	1.75	1.98	1.63	3.53	5.58	3.13	3.65	4.40	1.30	1.89	1.61	1.48	31.93
Hemlock Lake	1.27	0.72	1.65	2.94	2.97	5.63	4.34	2.70	1.03	1.03	0.95	0.54	25.77

[1] Incomplete.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
New York—Continued.													
Hunt	2.05	1.70	2.25	2.25	5.90	6.65	5.95	2.08	0.62	0.72	1.17	2.06	33.40
Indian Lake	2.68	5.65	1.97	3.55	6.10	1.15	3.05	1.70	1.45	2.15	2.13	3.14	34.72
Ithaca	2.27	2.47	2.24	3.85	4.30	1.26	4.75	3.48	1.61	1.67	0.89	1.35	30.14
Jamestown	1.57	.....	3.35	3.49	5.81	4.34	2.47	2.04	1.29	0.86	2.76	3.43	.....
Jeffersonville	2.63	3.87	3.82	4.33	3.42	1.36	4.95	2.26	2.43	3.71	1.02	2.91	36.71
Keene Valley	3.24	3.97	1.83	2.49	5.44	1.58	2.21	2.24	0.70	.....	1.84	.....	.....
Keepawa	4.93	5.36	3.25	4.77	5.91	4.04	3.77	3.56	1.79	1.63	3.81	4.70	47.52
Keuka Park	1.20	1.71	1.61	2.34	4.13	2.18	4.28	2.86	1.70	2.00	0.82	0.97	25.80
Kings Ferry	1.70	1.82	1.60	3.21	4.23	3.28	5.10	1.97	1.32	1.82	0.97	1.07	28.09
Lake George [a]	2.40	7.40	2.54	3.31	5.25	1.78	2.57	3.43	.....	.....	.....	.....	.....
Lake George [b]	.....	7.11	2.07	2.24	4.72	1.66	2.55	3.58	1.38	3.81	1.15	3.09	.....
Lake Pleasant	.....	5.65	3.35	3.00	6.45	2.70	3.43	1.75	2.75	1.13	4.24	4.55	.....
Le Roy	2.18	2.49	2.76	3.49	3.52	2.96	3.79	1.79	1.50	0.78	1.40	1.54	28.20
Liberty	4.18	4.75	4.06	5.11	4.61	0.80	3.05	2.88	3.40	4.69	2.39	2.93	42.85
Little Falls	1.60	3.09	2.44	2.99	4.52	2.47	3.72	4.81	2.74	2.28	1.83	2.83	35.32
Lockport	1.46	3.01	2.54	2.24	2.83	1.91	4.92	3.08	0.94	1.08	1.35	1.01	26.37
Lowville	3.57	4.42	2.23	.....	2.33	4.72	3.43	0.89	1.48	1.47	0.76	3.66	.....
Lyndonville	0.72	2.00	1.39	1.65	2.47	1.30	3.60	1.50	0.42	0.86	1.11	0.75	17.77
Lyons	3.18	5.05	3.07	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Middletown	2.46	4.26	.....	.....	7.16	2.44	3.41	3.56	1.33	.....	.....	.....	.....
Mohonk Lake	1.98	4.69	1.57	2.81	9.55	3.80	4.78	2.84	1.20	3.21	0.65	2.86	39.93
Moira	3.72	7.00	3.49	1.65	4.54	2.29	4.86	2.19	1.19	1.55	1.41	3.90	37.79
Morehouseville	3.62	8.92	3.09	3.66	5.76	2.25	5.49	2.90	2.38	2.36	1.71	4.93	47.07
Mount Hope	4.41	6.14	3.80	2.89	6.69	1.15	2.49	6.20	0.75	3.57	0.60	1.94	40.63
Newark Valley	2.39	2.90	3.25	3.04	4.51	2.46	5.23	2.58	1.60	2.98	1.15	2.01	34.10
New Lisbon	2.46	4.25	2.91	3.08	5.30	2.35	3.22	1.76	1.50	2.74	1.25	2.79	33.61
*New York	3.84	5.36	2.15	1.82	9.10	1.70	4.33	5.65	1.60	1.92	0.75	3.21	41.43
North Creek	2.08	5.63	1.69	3.14	5.40	1.20	2.99	2.55	1.53	3.68	1.46	2.33	33.78
North Hammond	.....	.....	.....	.....	.....	.....	5.10	.....	.....	.....	.....	.....	.....
North Lake	3.75	.....	.....	3.82	4.33	5.40	5.94	3.36	0.63	1.67	1.70	2.59	.....
Norwich	2.80	5.00	2.64	3.17	4.07	2.74	3.15	1.88	1.33	2.57	1.80	3.72	34.87
Ogdensburg	3.24	5.38	3.00	0.86	4.12	2.14	4.56	1.73	1.08	2.08	2.03	1.95	32.17
Old Forge	8.04	6.83	2.36	3.93	3.98	1.59	4.99	2.99	2.33	1.77	2.82	4.06	45.69
Oneonta	2.65	3.06	2.63	2.82	4.42	1.49	2.85	3.38	1.49	3.32	1.45	2.19	31.75
*Oswego	2.17	4.70	2.55	3.90	3.49	3.64	4.77	1.62	1.55	1.62	1.60	2.32	33.93
Otto	2.89	.....	2.97	2.11	5.55	2.44	3.95	.....	1.97	0.97	0.80	1.37	.....
Oxford	3.78	4.58	3.64	3.18	5.44	2.18	3.74	2.14	1.14	2.52	1.43	2.87	36.64
Oyster Bay	.....	2.90	1.02	.....	8.10	.....	.....	.....	.....	1.54	0.78	.....	.....
Palermo	2.45	4.13	3.04	3.77	3.86	4.79	2.51	1.24	1.17	.....	1.16	1.92	.....
Perry City	2.47	2.43	2.61	3.29	4.90	2.68	5.37	3.13	1.67	2.05	1.22	1.55	33.37
Philadelphia	2.36	3.91	3.05	2.70	4.36	3.94	5.16	0.94	1.69	1.91	2.08	2.30	34.42
Plattsburg	1.67	1.00	2.00	1.26	2.00	1.60	2.20	1.94	1.12	1.39	1.09	1.55	18.82
Port Jervis	2.83	5.22	4.23	1.90	6.92	2.45	2.35	2.18	2.17	3.73	0.80	2.70	37.48
Potsdam	1.54	4.12	2.47	1.24	5.64	.....	6.40	0.87	1.65	1.66	1.23	2.74	.....
Raquette Lake	3.20	.....	1.93	3.81	4.93	2.69	2.54	1.50	1.19	1.64	1.66	4.64	.....
*Rochester	2.27	2.44	3.14	2.38	2.47	3.64	4.56	1.18	1.73	1.28	1.25	1.15	27.49
Romulus	1.42	1.62	0.65	2.26	1.76	2.50	3.53	3.69	1.48	1.83	1.61	0.76	23.11
Rose	2.12	.....	.....	3.18	4.29	6.15	4.87	1.97	1.69	3.40	1.95	.....	.....
Salisbury	.....	3.55	1.70	4.53	8.82	1.97	5.65	6.86	1.69	2.00	3.12	3.86	.....
Salisbury Mills	3.58	6.60	4.54	1.93	10.05	2.80	3.45	4.29	1.40	3.20	0.70	2.03	44.57
Saranac Lake	2.51	2.07	1.78	2.95	4.09	1.79	2.39	2.40	1.35	.....	2.40	2.32	.....
Scarsdale	2.60	2.97	1.52	0.80	3.82	0.55	1.21	3.34	0.55	0.95	0.30	1.19	19.80
Setauket	4.13	5.74	2.82	2.61	4.93	0.88	1.84	7.39	1.38	1.38	0.88	3.78	37.76
Shortsville	1.32	1.39	1.79	2.59	3.34	3.96	5.24	2.14	0.79	2.13	1.19	0.68	26.56
Skencateles	2.30	2.97	2.72	3.63	5.32	3.19	3.90	1.29	1.01	2.33	1.82	2.08	32.56
Southampton	4.42	5.15	3.44	2.19	3.57	1.50	1.55	2.65	1.15	3.12	1.20	4.86	34.80
South Canisteo	2.38	3.20	3.59	3.72	4.48	2.89	5.58	3.21	1.48	2.38	1.06	1.70	35.67
Southeast Reservoir	4.21	5.63	4.00	2.13	7.38	2.26	3.03	6.12	0.83	1.92	1.09	3.32	41.92
Spier Falls	2.15	5.22	2.69	2.00	6.21	2.12	3.19	1.65	1.18	2.83	1.60	3.48	34.32
*Syracuse	2.22	2.23	2.55	3.33	3.49	2.78	3.68	0.66	0.82	2.78	0.97	1.45	26.96
Taberg	2.33	4.46	3.58	3.38	4.23	5.49	.....	.....	.....	.....	.....	.....	.....
Ticonderoga	1.86	3.83	1.41	3.82	7.44	3.11	1.97	2.64	0.81	2.40	1.00	1.38	31.67
Volusia	2.76	2.40	2.10	2.33	4.18	2.38	1.24	1.62	1.03	1.05	1.66	2.33	25.08
Wading River	3.72	5.42	3.54	2.59	4.61	0.81	1.75	6.39	1.31	2.57	1.14	4.02	37.87
Wappinger Falls	3.00	4.76	4.66	3.77	6.82	3.23	5.97	3.18	1.34	1.11	0.68	3.16	41.68
Warwick	2.82	3.74	3.23	2.97	5.98	3.38	2.44	3.81	1.14	1.82	0.65	2.17	34.15
Watertown	3.49	4.33	2.62	3.28	5.38	4.46	4.17	2.29	2.25	1.54	2.19	2.74	38.74
Waverly	1.97	3.02	3.23	3.51	4.28	2.66	3.45	2.92	0.66	2.35	0.86	1.98	30.89
Wedgwood	2.19	4.28	2.71	3.20	4.46	1.48	5.10	2.74	1.31	2.39	1.15	1.31	32.32
West Berne	1.50	2.74	1.19	1.05	4.98	1.88	4.03	4.31	1.86	3.42	0.30	0.78	28.04
Westfield	2.73	2.43	3.22	3.69	5.54	3.18	2.06	2.50	0.60	1.85	2.19	1.90	31.39
West Point	2.05	2.40	1.35	2.59	7.59	2.40	4.11	4.35	1.50	1.70	0.67	2.70	33.41
Windham	3.36	4.40	1.84	2.57	6.33	2.71	3.67	2.42	1.87	3.90	0.87	1.05	34.99
Youngstown	1.69	2.55	2.26	2.03	3.62	1.78	5.46	2.32	1.05	0.70	1.55	.....	.....
North Carolina.													
*Asheville	3.03	3.10	2.87	3.77	3.06	0.91	7.56	7.44	2.32	7.27	0.83	3.59	49.56
Banners Elk	8.65	4.86	5.11	6.64	5.57	5.67	7.60	8.24	1.30	12.54	1.23	5.54	72.95
*Battleboro	4.51	4.57	4.60	1.42	3.64	3.96	8.01	10.39	1.09	3.75	1.29	2.57	49.80
Beaufort	4.80	5.00	6.08	4.27	11.07	2.81	12.33	11.49	5.39	10.73	1.89	4.95	80.81
Belhaven	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.93	1.72	3.62	.....
Blanch	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.85	4.90	.....
Brevard	4.23	5.83	4.42	7.01	4.99	3.53	7.53	10.24	3.80	7.45	1.67	4.27	64.97
Brewers	4.53	7.71	4.50	5.12	.....	5.55	5.10	5.28	2.37	6.03	1.13	4.31	.....
*Bryson City	4.09	4.76	5.07	5.81	3.81	2.33	7.25	5.61	1.72	4.42	1.45	7.06	53.38
Caroleen	5.20	8.02	4.10	4.21	2.79	4.39	10.14	13.51	1.78	6.93	2.17	5.34	68.58
Chalybeate Springs	3.44	3.63	5.86	3.38	2.06	5.12	10.39	11.98	2.85	2.83	1.45	3.40	56.39
Chapel Hill	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.28	2.58	3.53	.....
*Charlotte	6.18	3.75	4.27	1.29	2.20	2.65	5.62	14.61	1.50	6.58	1.69	4.06	54.40
Clinton	3.05	3.65	4.60	1.54	.....	.....	.....	.....	4.71	2.33	.....	.....	.....
Eagletown	4.73	5.37	5.37	1.88	3.83	7.74	9.75	7.55	1.47	2.60	1.47	3.23	54.99
Edenton	4.06	3.04	4.30	1.67	5.60	5.38	10.23	6.40	4.75	5.26	1.77	3.98	56.54
*Fayetteville	3.07	4.90	6.12	3.21	3.47	6.28	6.25	13.54	2.03	2.78	1.16	3.60	56.41
*Goldsboro	3.72	5.43	6.98	2.68	2.69	4.46	11.34	9.47	1.09	3.12	1.15	.....	.....
*Graham	4.85	4.30	4.19	1.82	3.48	5.24	5.42	12.06	3.34	3.37	2.50	5.12	55.69

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Carolina—Continued.													
*Greensboro	4.60	6.09	5.04	2.60	4.10	5.48	3.76	11.12	3.45	3.83	1.90	4.62	56.59
*Greenville	5.74	3.29	5.68	1.36	4.92	5.50	12.71	9.41	1.36	3.83	1.70	3.02	58.52
*Hatteras	2.85	2.60	5.77	2.46	7.38	6.22	7.55	14.93	3.37	9.29	0.99	4.54	67.95
Henderson	6.54	5.39	6.22	3.53	2.12	2.92	4.65	9.34	2.00	4.56	1.62	5.53	54.42
Hendersonville	5.54	8.19	4.01	5.35	3.74	3.05	6.81	12.17	2.78	10.83	1.51	6.39	70.37
Horse Cove	7.14	7.31	6.57	7.48	3.66	5.32	8.94	10.73	2.87	8.82	2.84	8.92	80.60
Hot Springs	5.15	2.85	3.94	3.89	3.42	2.36	8.35	6.61	1.18	5.99	1.98	6.02	54.74
Kinston	6.19	4.54	6.34	3.35	4.95	6.07	15.78	8.09	0.47	4.53	1.44	3.02	64.77
Lake Toxaway												7.33	
Lenoir	3.37	3.35	2.58	3.70	2.65	3.48	8.53			7.19	0.94	4.11	
Lexington	4.85	5.30	4.95	2.75	2.04	3.71	9.07	9.28	3.94	7.20	2.74	5.05	60.88
Lincolnton	3.07										0.90	3.60	
*Louisburg	4.70	4.12	5.20	1.06	2.24	5.13	2.99	13.87	3.44	4.75	1.78	4.68	53.96
*Lumberton	2.68	4.61	5.82	4.29	1.43	6.51	9.06	8.74	2.60	4.81	1.09	3.17	54.81
*Manteo	3.91	2.40	5.36	1.62	7.48	7.54	11.52	13.64	3.67	5.46	2.06	3.46	68.12
Marion	4.15	6.94	2.90	4.94	3.82	4.93	8.29	8.68	1.87	6.60	0.93	4.96	59.01
Marshall	3.98	5.00					3.26	6.07					
*Moncure	4.16	3.37	5.73	2.79	2.88	4.21	6.01	10.22	3.75	2.13	1.48	3.93	50.66
Monroe	5.21	5.62	4.67	3.82	3.21	3.88	4.80	19.38	5.09	7.52	1.68	4.19	69.07
Morganton	3.50	6.95	3.56	2.88	4.57	6.15	9.55	11.48	3.01	9.32	1.16	4.31	66.44
Mount Airy	2.57	6.26	3.51	3.65	3.46	6.25	8.21	8.11	2.06	4.73	1.63	4.48	54.92
Mount Holly	5.68	7.02	6.04	1.80	3.05	7.88	11.72	16.37	3.30	6.21	2.12	4.40	75.59
*Murphy	3.36	4.89	5.71	4.27	4.52	1.85	5.52	4.31	1.90	3.38	2.10	5.60	47.41
Nashville	5.80	3.95	5.04	1.99	1.86	5.45	10.02	10.63	0.55	3.22	1.68	3.58	53.77
*Newbern		5.20	6.73	3.61	11.53	9.95	17.60	11.77	2.76	9.38	2.37	3.64	
Patterson	3.62	4.79	3.08	5.43	3.22	5.51	9.98	6.47	1.99	5.62	1.28	3.72	54.71
Pinehurst	3.46	4.38	6.38	2.29	3.09	4.54	8.47	9.09	3.79	4.17	1.38	4.06	55.10
*Raleigh	4.26	3.66	5.58	2.56	2.03	6.20	6.14	13.63	3.70	3.76	1.47	3.64	56.63
Ramseur	5.44	3.84	3.21	3.66	1.31	5.96	6.68	10.00	4.71	3.37	1.93	3.06	53.17
*Randleman	5.14	4.44	4.17	3.12	2.42	4.59	4.13	9.34	3.64	3.23	2.09	4.60	50.91
*Reidsville	4.18	3.83	3.74	1.15	3.71	5.04	3.63	10.30	2.54	4.39	2.12	4.60	49.23
Rockingham	4.95		5.72				5.41	14.38	3.10	6.75	1.48	4.60	
Salem	4.27	4.18	4.16	3.30	3.59	4.79	6.60	10.46	4.41	4.08	1.92	4.95	56.71
Salisbury	5.09	6.02	3.93	3.20		2.25	7.63	9.65	5.13	6.83	1.97	4.53	
Sapphire				7.63	8.07	4.50	7.08	14.55	3.78	7.08			
Saxon	4.28	4.26	2.90	3.51	2.17	5.46	2.73	7.22	2.76	4.36	1.45	5.07	46.17
Scotland Neck	4.54	4.15	4.88	1.77	3.42	6.09	8.13	6.95	1.28	2.78	1.84	2.74	48.57
Selma							6.20	10.41	1.60	2.85			
Settle	3.23	3.80	4.52	3.84	2.94	4.60	4.94	13.39	4.35	7.41	2.19	4.63	59.84
Sloan	5.26	4.27	5.99	1.81	9.13	4.67	13.90	8.05	1.55	4.60	1.91	3.04	64.18
Snow Hill	4.80	6.12	7.19	2.30	5.23	6.51	12.44	10.97	1.69	3.50	1.37	2.82	64.94
Southern Pines	3.83	4.13	6.90	3.16				12.26	3.52	2.53	1.30		
Southport	3.84	4.92	5.08	2.31	4.70	1.86	7.43	5.00	1.03	9.63	2.31	2.07	50.18
Statesville					2.04	1.55	9.33	13.27	3.75	8.15	1.90		
*Tarboro	5.20	4.38	4.47	2.03	4.31	3.27	9.36	6.74	0.72	3.55	1.25	3.46	48.74
Troy	5.22	5.07											
Vade Mecum	5.09	4.96							6.43	7.25	1.79		
Wash Woods	3.27	3.84	5.28	2.57	5.64	4.79		8.07			1.80	3.43	
Waynesville	4.67	4.56	5.02	4.55	4.43	1.83	4.39	3.74	1.73	7.81	1.02	6.46	50.21
*Weldon	5.11	3.63	4.62	1.31	2.79	3.83	8.93	12.25	0.79	2.25	1.41	4.07	50.99
Whiteville					2.29	8.54	15.48	8.23	2.96	8.70	1.20	2.60	
Willard	2.69	5.59	5.86	2.76	5.35	6.35	17.91	7.80	1.40	5.35	1.57	3.10	65.73
*Wilmington	2.92	5.68	4.71	2.08	2.80	5.39	9.40	9.52	1.45	5.74	2.07	2.22	53.98
North Dakota.													
*Amenia	T.	0.90	1.00	0.49	3.06	3.92	1.95	3.01	0.76	1.25	0.60	T.	16.94
Ashley	0.30	0.47					3.02	1.52	0.88	1.45	1.05		
Aplin	0.20	0.77	1.30	1.56	3.51	5.84	2.06				1.20		
Beach	1.25	0.91	1.88	2.29	2.42	6.05	2.84	0.95	1.29	2.06	1.05	0.30	23.29
Berlin	T.	1.00	2.00						0.39	1.71	1.23	0.65	
Berthold Agency	0.08	1.08	0.47	1.20	2.77	2.38	0.98	1.55	1.32	2.41	0.98	T.	15.22
*Bismarck	0.24	1.07	1.35	1.73	2.89	2.29	0.82	2.44	0.59	1.81	1.60	0.08	16.91
*Bottineau	0.18	0.46	0.34	1.30	2.27	7.15	2.22	3.10	0.58	0.62	0.47	0.46	19.15
Broncho						2.53	0.89	1.20	1.08	1.65	1.14	0.05	
Buford	0.25	0.90	1.23	3.22	5.35	3.57	2.70	0.54	2.05	1.93	0.00	0.00	21.74
Cando	0.09	0.57	0.47	1.93	4.75	2.76		2.84	0.33	1.58	0.78	0.52	
Coal Harbor	0.10	1.05	0.98	1.96	2.27	2.68	1.88	0.92	1.06	1.48	2.00	0.40	16.78
Crosby	0.32	0.62	1.42	2.69	1.48	3.41	0.83	3.61	1.33	1.09	0.59	0.30	21.86
*Devils Lake	0.10	2.20	1.57	0.60	1.71	2.50	1.56	1.70	0.40	1.22	0.66	0.37	14.59
Dickinson	0.28	0.73	1.42	1.27	3.50	4.30	1.41	1.41	1.67	2.47	0.78	0.24	19.48
Donnybrook	0.05	0.70	0.60		1.60	3.95	2.77	4.24	2.76	1.24	0.80	0.10	
Dunseith	0.30	0.90	1.07	1.40	2.06	3.79	2.36	3.06	0.19	1.05	0.40	0.45	17.03
Edgeley	0.04	0.65	1.45	1.26	3.53	3.26	1.19	1.69	1.81	1.34	0.63	0.20	17.05
Edmore	0.20	1.60	0.80	0.90	2.53	2.54	0.73	2.37	0.48	1.00		0.40	
Ellendale	0.10	0.20	0.80	1.31	4.02			2.06	0.70	1.52	1.60	0.30	
Epping				2.10	2.00	6.38	0.52	2.69	2.31	1.64	0.20	T.	
Flasher	T.	0.10	1.74	2.45	2.95	2.02	2.17		1.25				
Forman	0.40	0.70	1.00	1.05		1.38	2.46	3.01	1.57	2.41	0.20	0.90	
Fullerton	0.39	1.39	1.68	1.53	4.06	4.11	3.28	2.19	1.92	2.29	1.89	0.79	25.52
Gladys	0.15	0.87	1.39	3.76	2.31	4.39	0.60	0.99	2.26	1.41	0.15	0.16	19.44
Goforth	0.50	1.70	2.10	2.31	3.47	3.25	1.74	2.27	2.01	4.01	2.65	0.70	26.71
Grafton	0.04	1.23	0.82	1.10	3.27		2.06	1.69	0.00	0.97	0.62	0.50	
Granville	0.04	0.57	0.44	1.30	2.18	2.92	1.85	2.13	0.67	1.16	1.27	0.50	15.03
Haley			2.90	1.36	2.95	2.60	1.11	0.64	1.08	2.14	0.41	0.50	
Hamilton					3.55	2.60	0.68	4.74	1.15	1.84	1.15	0.72	
Hansboro				1.00	3.04	3.64	1.39	3.10	0.45	0.83	0.27	0.10	
Hettinger	0.61	1.27	1.16	T.	2.93	4.43		1.09	3.68	2.89	2.02	0.03	
Hillsboro	0.23	2.13	1.16	0.75	4.14	2.74	1.46	1.80	0.82	1.08	1.03	0.45	17.79
Jamestown	0.05	1.56	1.93	1.00	3.72	2.61	5.00	3.10	0.37	1.61	1.59	0.40	22.94
Kulm	0.35	1.44	1.04	2.49	4.06	2.70	1.97	1.14	1.50	1.68	1.89	1.57	21.83
Lakota	0.08	1.83	1.42	1.05	2.04	2.95	0.33	2.79	0.37	0.93	2.00	1.15	16.96
Lamoine	T.	0.70	0.60	1.40	2.30	3.46	3.60	3.07	0.74	1.70	1.70	0.05	19.32
*Langdon	0.00	4.85		1.45	2.94	3.12	0.44	2.29	0.52				
*Lisbon	0.20	1.40	1.45	0.83	3.39	3.86	2.27	1.50	0.91	2.47	0.88	0.38	19.52
McKinney	0.05	0.50	0.80	1.99	2.25	3.70	1.34	2.93	1.85	1.34	1.60	0.12	18.47
Manfred	0.22	1.67	1.14	0.83	2.47	4.89	4.02	2.08	0.62	1.42	1.30	0.55	21.25

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
North Dakota—Continued.													
Mayville	0.80	0.48	0.49	0.48	3.58	1.95	2.57	1.46	0.36	0.33	0.50	0.57	13.57
Medina					1.60	4.70		2.45	0.45	1.10	1.10	0.35	
Medora	0.30	0.47	0.80	1.27	3.48	2.17	4.65	0.77	1.58	1.93	0.80	0.20	18.42
Melville	0.20	0.85	1.20	0.12	1.56	3.92	3.96	2.55	0.45	1.47	0.60	T.	16.88
*Minot	0.03	0.71	0.74	1.56	2.57	2.67	2.33	3.54	1.19	1.65	0.96	0.09	18.04
Minto	0.23	2.10	1.80	0.97	4.00	3.88	0.99	4.03	0.35	1.29	0.35	0.65	20.64
Mott	0.28	0.65	1.28	1.79	3.04	4.06	1.64	2.46	1.37	3.14	0.65	0.20	20.56
Napoleon	0.10	0.25	0.90	1.82	2.74	2.82	2.86	0.70	1.08	0.73	0.45	0.35	14.80
New England	0.30	1.30	1.90	2.20	0.56	2.92	1.00	0.67	2.46	2.46	0.32	0.30	16.39
New Salem	0.21	0.27	1.36	1.89	3.08	2.95	1.83	0.67	0.95	2.10	0.61	0.14	16.06
Oriska				0.78	3.83	3.04	4.26	3.39	0.43	1.71	1.34	0.34	
Park River	0.14	1.46	0.95	1.31	2.84	2.67	0.80	3.52	0.24	1.37	0.30	0.13	15.73
*Pembina	0.30	2.20	1.40	1.60	3.39	2.53	0.30	3.07	1.24	1.84	0.72	0.82	19.41
Portal	T.	0.85		1.33	1.91	4.31	0.58	2.04					
Power	0.35	1.30	1.05	1.89	3.31	2.01	3.16	0.60	1.85	1.26	2.03	0.45	19.26
Pratt	T.	0.30	0.35	0.97	2.90	3.00	3.41			1.41	0.30	0.60	
Steele	T.	0.30	1.15	1.53	2.61	2.65	2.27	4.27	0.55	1.17		0.15	
Towner	0.07	1.07	1.40	1.79	2.21	4.08	2.39						
University	0.13	1.95	0.90	0.88	3.77	2.70	2.48	2.41	0.50	1.08	0.35	0.25	17.40
Walhalla	0.13	0.93	0.08	1.77	3.99	3.29	1.83	3.15	0.98				
Willow City	T.	1.40	0.80	1.60	1.53	6.30	2.50						
Westhope	T.	0.40						2.51	1.12	0.70	0.71	0.35	
White Earth	0.08	0.30	2.05	0.70	1.55	3.94		2.25	2.68	2.08			
Wishek	0.27	0.52	0.95	1.61	2.87	2.87	2.26	1.15					
*Williston	0.04	0.39	0.79	1.96	1.80	2.64	0.60	1.11	2.18	1.81	0.16	0.01	13.49
Ohio.													
Akron	1.63	3.07	4.85	2.91	5.48	1.87	3.53	2.33	1.47	1.14	1.08	2.54	31.90
Amesville	1.53	4.45	6.18	3.92	4.22	1.40	4.20	3.67	0.81	1.09	1.15	2.76	35.38
Bangorville	2.35	4.60	6.30	3.57	5.99	3.11	4.45	3.08	0.45	1.62	1.03	3.18	39.73
*Bellefontaine	2.02	4.55	6.37	3.41	4.95	1.54	3.77	2.40	0.50	0.59	0.68	2.11	32.89
Benton Ridge	1.94	3.22	4.10	3.48	4.56	4.79	4.21	2.32	0.34	0.91	1.29	1.77	32.93
Bladensburg	2.34	4.22	6.75	3.22	5.40	1.99	5.04	1.50	0.51	1.54	1.22	2.38	36.11
Bowling Green	1.57	3.57	3.09	2.70	5.85	1.30	7.57	3.20	0.26	0.81	0.71	1.74	32.37
*Bucyrus	1.90	4.10	5.20	3.66	4.91	2.33	3.76	1.90	0.70	0.93	0.85	2.23	32.47
Cadiz	2.19	3.45	7.06	5.13	5.75	2.14	6.69	3.71	0.43	2.13	0.83	3.04	42.55
Cambridge	1.73	3.21	6.40	3.93	4.69	1.42	4.95	2.24	0.45	1.53	0.93	3.07	34.55
Camp Dennison	1.38	5.33	3.90	4.39	5.60	1.28	4.36	0.46	0.74	0.44	1.08	1.75	30.71
Canal Dover	1.76	3.18	5.57	3.03	3.45	2.23	4.65	1.99	0.32	1.30	1.45	2.75	31.68
*Canton	1.75	3.35	5.55	3.23	5.25	2.98	3.73	2.69	0.62	1.05	1.14	2.70	34.04
Cardington	1.61	4.76	6.63	3.53	5.57	4.18	4.87	2.50	0.62	0.86	1.01	2.45	38.59
Chillicothe		5.42								1.17		2.34	
*Cincinnati	1.40	4.50	3.66	4.07	5.84	2.00	0.83	1.89	0.26	0.35	1.09	1.60	27.29
*Circleville		4.14	7.96	2.96	5.80	2.20	8.07	4.93	0.47	1.44	0.42	2.14	
Clarington	2.25	4.45	6.61	5.05	6.56	2.88	4.72	2.85	2.25	2.41	0.89	2.84	43.76
Clarksville	1.81	5.93	4.18	4.21	7.72	1.47	3.12	2.97	0.38	0.49	1.33	1.92	35.53
*Cleveland	2.78	4.66	3.70	3.00	2.38	2.06	2.15	1.75	0.48	1.07	0.82	2.75	27.60
Cleveland	1.90	4.30	3.95	2.97	2.82	2.15	2.34	2.13	0.68	0.93	0.76	2.97	27.90
*Columbus	1.40	3.66	6.03	2.75	4.04	2.13	3.74	2.34	0.42	1.20	0.84	1.59	30.14
Columbus Reservoir	1.49	4.25	6.15	3.14	3.07	3.24	3.46	3.42	0.62	1.21	0.85	1.35	32.25
Coshocton										2.10	2.87	3.31	
*Dayton	1.64	6.44	5.78	3.80	5.40	2.67	4.93	2.81	0.25	0.36	0.86	1.32	36.26
*Defiance	1.42	3.69	3.17	2.06	4.12	1.46	2.23	2.95	0.42	0.87	0.64	1.77	24.80
Delaware	1.46	4.35	7.07	2.99	5.45	4.65	3.59	3.41	0.91	0.93	0.77	1.65	37.23
Demos	2.33	2.56	7.96	4.12	5.22	1.79	4.78	2.71	1.37	2.36	1.05	3.31	39.56
*Findlay	1.66	4.77	4.05	3.39	3.78	2.58	4.02	2.89	0.36	1.18	1.42	2.28	32.38
Frankfort	1.47	4.10	5.01	4.36	4.65	2.97	3.21	3.79	0.60	1.45	1.56	2.25	35.42
Fremont	1.38	4.12	3.96	3.43	2.90	1.75	4.79	4.80	0.56	1.11	0.78	2.02	31.60
Garrettsville	2.32	4.05	6.24	4.26	4.26	3.10	4.40	1.66	1.27	1.18	0.76	3.58	37.08
*Granville	1.98	4.72	7.11	3.27	4.97	2.89	4.05	2.83	0.31	1.42	1.21	2.62	37.38
Gratiot	1.96	4.41	6.56	2.53	4.09	2.92	4.48	2.48	0.48	1.06	1.20	2.94	35.11
Green	1.69	5.74	7.41	6.70	4.54	3.53	5.25	3.49	0.73	1.15	2.54	2.56	45.33
Greenhill	1.74	2.90	5.91	2.87	4.34	2.86	3.79	2.96	0.72	1.80	0.95	2.79	33.63
*Greenville	1.71	5.53	6.33	3.42	4.96	5.30	3.02	1.97	0.43	0.56	0.85	1.59	35.67
Hedges	1.75	5.58	4.08		3.63	1.20	3.95	2.18	0.53	0.48	1.14	2.23	
Hillhouse	2.27	3.52	3.62	3.30	3.79	2.78	1.90	1.17	0.73	2.43	1.34	3.04	29.89
Hillsboro			4.18	4.46	6.34	2.20	3.30	1.19	0.56	1.49	1.89	2.95	
Hiram	2.67	3.86	5.60	3.91	3.81	3.38	3.65	1.88	1.17	1.14	0.93	3.01	35.01
Hudson	2.13	4.23	6.19	3.66	4.41	2.88	3.67	1.61	0.91	1.13	0.18	2.87	33.87
Ironton	1.81	4.04	6.27	6.56	3.68	3.01	5.57	1.43	0.44	1.33	1.27	2.32	37.73
Jacksonburg	2.13	5.46	4.42	4.90	5.19	2.55	3.45	1.09	0.36	0.41	1.08	1.30	32.34
Kenton	1.57	3.88	5.90	3.74	3.42	4.06	4.60	2.69	0.32		0.75	2.01	
Killbuck				3.75	3.65	2.02	5.12	3.98	1.14	1.43	1.36	2.13	
Lancaster	1.90	3.73	6.67	4.51	4.58	5.10	5.43	3.56	0.80	1.53	1.22	2.61	41.64
Lawshe	1.67	5.71	6.47	5.21	6.50	3.94	3.65	3.45	0.29	0.95	2.04	2.24	42.12
Lima	1.31	4.15	6.68	4.16	4.82	2.61	2.49	1.61	0.44	0.99	1.14	2.04	32.44
McConnelsville	2.17	2.01	5.84	4.21	5.33	1.40	5.76	1.63	0.36	1.62	1.14	2.27	33.74
Marietta	1.34	3.55	5.90	4.19	4.32	1.21	3.02	2.53	0.61	2.06	1.10	2.70	32.53
Marion	1.41	4.07	4.55	4.14	4.91	3.27	4.08	1.54	0.45	0.97	0.92	1.66	31.97
Medina	1.85	3.14	5.98	4.23	4.03	2.81	2.95	2.40	1.53	1.15	0.91	2.67	33.65
Milfordton	1.84	3.93	6.25	3.22	9.13	3.19	3.35	0.85	0.35	1.59	0.74	2.26	36.70
Milligan	1.77	3.46	6.49	4.01	3.61	1.24	3.96	2.29	0.26	1.21	1.01	2.54	31.85
Millport	1.90	2.32	5.09	2.91	3.19	1.81	2.88	2.00	0.45	1.61	0.88	2.54	27.58
Montpelier	1.70	5.64	3.21	2.21	6.69	2.09	2.61	2.78	0.94	0.88	1.02	1.60	31.37
Napoleon	1.90	2.90	3.49	3.23	6.21	1.42	5.55	2.77	0.32	0.75	0.92	2.00	31.46
Nellie	1.63	4.64	6.85	3.71	3.84	2.01	5.29				1.56	2.30	
New Alexandria	2.35	2.30	7.05	5.70	3.30	1.57	6.18	3.60	0.82	2.68	1.10	3.30	39.95
New Berlin	1.92	1.93	5.54	4.50	3.58	1.68	2.69	3.16	0.86	0.68	1.10	2.84	30.78
New Bremen	1.60	3.46	5.04	3.73	3.54	1.62	3.68	4.08	0.45	0.48	1.80	2.41	31.89
New Richmond	1.24	4.39	4.22	4.23	3.89	2.69	2.97	0.56	0.40	0.74	1.39	1.74	28.48
New Waterford	2.07	3.00	5.78	3.08	5.24	2.91	2.25	2.73	0.04	2.51	1.52	3.17	34.30
North Lewisburg	2.25	6.45	6.50	3.95	5.15	2.95	3.95	5.57	0.30	0.93	0.85		
North Royalton	2.27	4.00	5.35	3.47	3.02	2.68	3.38	2.18	0.98	1.21	1.12	3.34	33.00
*Norwalk	1.65	3.82	3.96	2.52	3.97	2.16	3.88	2.18	0.95	1.11	0.52	2.25	28.37

[1] St. John's College.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Ohio—Continued.													
Oberlin	1.99	4.08	3.66	3.33	3.05	2.19	2.42	1.44	0.43	1.03	0.65	2.03	26.33
Ohio State University	1.51	4.36	5.97	2.97	4.65	3.04	3.44	2.00	0.45	1.12	0.78	1.77	32.06
Orangeville	2.58	.....	2.77	4.34	3.33	2.32	8.01	2.11	2.14	1.23	1.58	.....	.....
Ottawa	1.56	3.85	3.66	2.99	3.41	2.81	6.24	1.92	0.32	1.12	0.94	0.93	29.75
Pataskala	1.92	4.29	6.95	3.58	5.60	3.79	3.45	1.79	0.37	1.49	1.22	2.88	37.33
Philo	1.39	2.95	6.90	3.85	4.07	0.90	3.56	1.61	0.41	1.33	1.09	2.07	30.13
Plattsburg	1.62	5.31	6.80	3.33	5.10	2.86	3.99	1.31	0.37	0.84	0.77	1.45	33.75
*Pomeroy	1.75	3.63	6.15	4.57	5.91	2.03	6.55	3.45	0.74	1.73	.....	.....	.....
*Portsmouth	1.52	5.60	6.81	4.71	5.04	3.68	5.17	2.12	0.22	1.23	1.57	2.29	40.05
Rittman	1.79	3.89	5.87	3.54	4.78	3.67	4.18	2.61	0.44	1.15	0.72	3.88	36.52
Rockyridge	2.34	3.14	3.79	2.66	4.27	.....	3.37	3.52	0.46	1.15	0.56	1.91	.....
Rome	2.05	4.84	4.16	4.04	3.29	1.68	1.58	1.63	0.58	1.21	1.38	3.74	30.18
*Sandusky	2.09	3.70	3.61	2.83	2.12	1.72	3.34	2.96	0.75	0.97	0.62	1.77	26.48
Shenandoah	1.70	3.50	4.77	3.59	7.40	2.57	3.50	2.98	0.32	0.98	0.76	2.23	34.30
*Sidney	1.74	4.96	6.16	2.86	3.07	1.96	5.05	1.79	0.67	0.38	0.55	1.78	30.97
*Somerset	1.52	2.53	7.67	4.52	5.51	3.39	4.95	3.79	0.67	1.04	1.33	2.58	39.50
Springfield	1.54	5.26	8.21	3.47	4.20	4.46	6.45	1.08	0.24	0.52	0.86	1.55	37.84
Summerfield	1.83	2.96	7.08	4.14	5.18	1.23	5.83	2.98	0.97	2.35	1.01	3.04	38.60
Thurman	1.07	4.15	6.43	4.06	3.93	4.17	3.77	2.70	0.45	0.85	1.72	2.33	35.63
Tiffin	1.63	5.47	3.90	3.52	6.25	2.52	4.23	1.40	0.43	0.88	0.82	2.06	33.11
*Toledo	2.80	4.55	3.35	3.07	4.64	2.11	3.43	7.63	0.38	1.34	0.78	1.80	35.88
Toledo [1]	1.81	5.23	2.64	2.89	4.01	1.88	3.01	7.16	0.30	0.82	0.66	1.47	31.88
Upper Sandusky	1.57	3.94	5.55	3.55	4.29	1.95	3.87	1.96	0.37	1.45	0.32	2.11	30.93
Urbana	1.07	5.41	5.54	3.66	4.16	4.04	4.49	2.77	0.23	0.57	0.97	1.21	34.12
Vickery	1.66	3.85	3.85	3.06	2.78	2.73	4.34	4.11	1.20	0.97	0.46	2.03	31.04
Warren	2.65	5.23	5.77	3.83	6.44	1.54	6.10	2.78	0.44	1.38	1.29	3.82	41.27
*Wauseon	1.61	3.43	2.90	2.79	6.07	3.33	4.39	3.39	0.49	1.02	1.20	2.17	32.79
*Waverly	2.29	4.63	6.29	5.31	7.13	2.54	3.66	3.29	0.65	1.05	1.42	2.32	40.58
Waynesville	1.62	4.50	4.84	4.14	7.35	1.22	2.78	0.82	0.25	0.27	0.75	1.30	29.84
Wellington	1.53	3.57	4.41	3.27	5.14	1.73	4.53	2.01	0.42	0.98	0.91	2.56	31.06
Willoughby	1.64	2.71	2.25	2.26	1.74	3.14	1.01	1.58	0.47	1.04	.....	2.35	.....
Wooster	1.96	3.89	5.02	3.64	4.56	2.17	3.44	3.17	0.73	1.22	1.09	3.05	33.94
Youngstown	.....	.....	.....	.....	.....	.....	.....	.....	0.69	1.67	1.25	2.38	.....
*Zanesville	1.31	2.89	6.40	2.84	4.00	2.62	3.71	2.17	0.32	1.56	1.24	2.36	31.42
Oklahoma.													
Ada	1.85	4.33	2.80	6.83	13.16	16.42	1.17	2.05	3.07	7.58	6.77	T.	66.03
Alva	0.91	2.10	1.60	2.68	4.80	8.41	0.99	1.31	.....	.....	2.11	0.02	.....
Arapaho	1.35	0.61	1.29	2.99	6.00	12.09	5.08	0.67	5.11	.....	.....	.....	.....
*Ardmore	1.72	2.85	2.63	9.01	10.40	10.93	2.50	0.41	4.92	6.21	3.70	T.	55.28
Bartlesville	1.17	5.32	4.22	4.59	5.42	12.79	2.13	.....	.....	.....	.....	.....	.....
Beaver	.....	1.01	T.	1.71	0.81	4.42	T.	1.46	2.20	0.62	2.11	0.00	.....
Blackburn	.....	.....	1.68	5.73	7.86	6.82	2.84	4.30	5.09	13.88	6.09	0.20	.....
Buffalo	0.07	1.82	.....	0.83	2.37	3.00	3.88	2.08	3.22	0.38	2.83	0.00	.....
Cache	1.50	1.82	0.20	5.65	12.23	9.76	10.84	3.03	3.94	3.95	4.60	0.00	57.52
*Calvin	1.51	4.21	1.73	6.16	13.26	14.46	3.25	2.82	8.09	6.03	8.79	0.06	70.37
Chandler	1.32	2.80	0.87	7.69	13.67	5.99	3.14	1.75	4.35	13.58	.....	.....	.....
Chattanooga	1.42	1.38	0.63	4.83	12.07	8.32	8.56	2.44	2.82	1.72	3.43	T.	47.63
Chickasha	1.35	2.95	0.92	5.30	10.78	11.19	2.35	1.11	2.32	4.98	3.31	T.	46.56
Cloud Chief	1.44	1.22	0.53	4.08	6.57	8.12	4.13	2.08	4.51	3.76	3.76	0.00	40.20
Dacoma	1.06	2.10	1.40	2.79	5.54	8.27	3.46	0.61	3.67	1.55	2.71	0.00	33.16
*Durant	1.51	3.08	5.36	8.56	8.73	9.48	2.49	1.40	3.31	7.39	2.01	0.16	53.48
Eldorado	0.88	0.57	0.00	2.49	6.77	8.82	4.01	0.79	1.27	5.05	4.00	0.00	34.65
*Enid	1.48	2.45	3.72	5.02	9.17	9.90	1.58	1.23	4.58	3.29	4.20	0.01	46.63
Erick	0.70	0.25	0.69	2.05	3.76	4.85	2.54	2.11	3.86	1.27	2.13	T.	24.21
Fairland	1.30	4.35	3.46	10.92	6.10	10.56	1.79	4.43	2.12	.....	6.76	0.43	.....
*Fort Gibson	1.51	4.40	1.42	10.27	12.87	6.56	2.71	5.06	2.38	6.05	5.87	0.21	59.31
Fort Sill	1.50	3.15	0.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frederick	.....	1.65	0.03	2.34	9.95	7.50	3.80	2.70	1.70	3.00	.....	.....	.....
Gage	0.34	0.98	1.03	1.05	2.39	4.05	3.98	2.45	3.35	3.31	1.61	0.00	24.54
Grand	0.50	1.07	1.15	1.83	2.70	8.94	1.65	3.08	4.72	.....	.....	.....	.....
Guthrie	1.73	2.75	0.08	5.85	11.90	.....	.....	.....	3.81	10.13	5.00	T.	.....
Harrington	0.87	0.70	2.04	3.60	3.71	6.08	1.86	1.69	4.66	1.95	1.56	T.	28.72
Hartshorne	2.57	3.06	3.38	10.26	8.78	7.75	2.44	4.23	4.37	5.09	5.60	0.33	58.46
Healdton	1.69	2.30	0.91	4.98	15.45	11.08	3.60	0.49	6.04	6.53	2.63	T.	55.70
Helena	0.60	1.10	1.44	2.85	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hennessey	1.37	3.28	3.13	4.09	7.32	8.56	1.80	1.10	5.42	3.83	4.65	T.	44.55
Hobart	0.97	1.18	0.55	3.97	6.39	7.32	5.19	2.30	4.54	6.82	4.10	T.	43.33
*Holdenville	1.45	4.05	1.82	7.13	11.63	13.30	1.57	3.17	6.42	5.57	7.19	0.10	63.40
Hooker	.....	.....	.....	.....	.....	1.12	3.37	0.68	0.60	0.90	0.97	T.	.....
Hurley	.....	0.50	0.00	1.03	0.95	2.45	1.02	4.35	0.30	2.10	2.00	T.	.....
Idabel	3.53	3.32	2.11	7.60	9.32	10.64	6.37	1.33	3.45	0.46	2.89	0.52	51.54
Jefferson	1.02	2.40	3.25	3.38	11.55	5.74	2.86	4.08	12.19	3.86	4.52	0.04	54.89
Kenton	T.	1.36	T.	1.35	0.38	T.	2.11	3.96	0.15	2.63	0.50	0.05	12.49
Kingfisher	1.65	1.94	1.56	5.21	7.42	12.17	3.44	1.40	5.02	7.39	5.02	T.	52.22
McAlester	2.60	3.96	2.57	10.17	11.20	11.76	1.21	3.25	4.69	8.85	7.00	0.28	67.54
McComb	0.97	4.40	1.34	9.23	11.69	11.69	0.47	1.50	3.25	6.35	3.70	0.10	54.69
*Mangum	1.00	1.81	0.84	.....	7.73	9.05	2.50	1.80	4.20	2.41	.....	.....	.....
*Marlow	1.30	2.50	0.50	6.35	12.93	16.39	4.33	0.67	5.93	4.03	3.32	0.07	58.32
Meeker	1.75	3.53	3.75	10.99	11.96	9.34	2.03	3.19	6.85	16.45	4.12	0.00	73.96
*Muskogee	1.45	4.15	1.35	9.15	12.28	6.84	2.94	2.36	2.15	8.05	6.00	0.23	53.98
Mutual	0.00	1.17	1.22	3.46	3.88	4.83	3.39	0.95	5.77	0.73	2.33	0.06	27.73
Neola	1.69	1.02	0.42	4.35	9.33	10.95	4.91	1.51	2.92	5.43	5.18	0.00	47.71
Newkirk	0.34	3.73	3.37	3.98	7.31	12.15	2.16	0.48	5.25	4.36	4.62	0.06	47.81
Norman	.....	3.46	0.83	7.51	8.79	11.39	.....	.....	.....	14.88	2.91	0.19	.....
Okeene	1.46	1.38	3.18	3.87	6.95	11.07	.....	1.35	.....	.....	.....	T.	.....
*Oklahoma	1.25	3.14	0.82	6.73	7.19	12.12	1.27	1.59	4.37	8.41	3.13	0.03	52.03
Okmulgee	1.78	3.83	1.40	9.62	8.98	7.80	1.50	2.79	4.25	7.84	4.12	T.	53.91
Pauls Valley	.....	3.25	.....	.....	10.85	.....	0.63	0.85	4.58	.....	.....	.....	.....
Pawhuska	0.93	5.35	3.65	6.32	5.86	8.24	2.51	1.10	6.13	12.19	5.20	0.21	57.69
Perry	1.34	5.38	3.10	5.11	9.81	9.70	2.03	3.47	7.14	10.26	6.00	T.	63.34
Revia	2.11	2.62	3.69	8.60	10.87	10.95	3.28	1.92	9.12	8.27	2.61	0.17	64.21
Sac and Fox Agency	.....	.....	.....	.....	12.75	8.37	4.38	1.38	6.24	13.90	4.01	.....	.....
*Shawnee	1.37	3.27	0.76	7.99	10.84	17.56	0.70	2.87	5.55	7.43	3.91	0.00	62.25

[1] St. John's College.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oklahoma—Continued.													
Snyder	1.33	0.63	0.26	4.66	8.97	8.56	6.94	1.38	5.29	2.66	5.47	0.00	46.15
*Stillwater	1.23	5.00	2.36	6.90	11.21	7.28	2.31	2.72	6.11	10.19	5.76	0.03	61.10
Supply							3.54	2.99	3.42	1.24	1.74	0.00	.....
Temple	1.40	1.55	.....	.....	.....	11.66	6.39	1.61	2.85	3.74	2.99	0.00	.....
*Tulsa	1.62	5.41	1.62	6.49	9.12	7.30	2.14	1.70	4.26	7.58	6.18	0.07	53.49
Tulsa	1.61	5.36	1.54	7.21	8.76	7.68	2.39	1.70	5.08	7.61	6.24	0.05	55.23
Vinita	1.20	3.22	3.90	8.43	3.82	9.90	3.49	1.21	2.24	.....	7.96	0.54	.....
Wagoner	2.12	3.37	0.70	6.27	8.30	6.63	3.93	5.65	4.35	6.41	5.39	0.07	53.19
Wapanucka									5.21	3.20	6.55	0.00	.....
Waukomis	1.50	1.97	3.44	3.98	6.51	9.73	2.75	1.10	5.12	4.03	4.50	T.	44.63
Weatherford	1.40	0.80	1.70	4.05	6.05	9.47	3.44	1.05	6.68	2.34	3.52	T.	40.50
*Webbers Falls	1.70	3.92	2.13	6.39	11.61	7.36	3.47	4.14	5.55	3.05	6.30	0.24	55.86
Whiteagle	1.20	3.74	3.48	5.51	7.90	8.73	1.55	0.73	8.65	7.17	4.60	0.02	53.28
Woodward						3.76	5.87	1.82	4.30	2.75	1.47	0.00	.....
Oregon.													
*Albany	3.92	3.02	3.86	1.64	2.76	0.86	0.08	0.82	0.40	3.68	4.07	3.43	28.50
Albee	0.74	1.65	1.05	0.97	1.61	.....	.....	.....	0.65	2.15	0.91	0.89	.....
Ashland	2.04	1.28	1.01	1.23	1.76	0.67	0.16	0.00	0.41	3.61	1.48	0.95	14.60
Astoria	8.70	6.80	6.90	3.89	4.36	2.72	0.36	1.22	0.03	4.92	6.08	10.73	56.71
*Baker City	0.39	0.30	0.82	0.93	1.01	0.56	2.08	0.42	1.01	0.57	0.15	0.37	8.61
Bay City	11.71	8.19	11.56	4.45	7.14	2.99	0.17	2.70	0.91	7.63	9.42	9.87	76.74
Bend	1.59	1.12	4.92	0.86	0.41	.....	.....	.....	.....	.....	.....	.....	.....
Black Butte	5.46	4.13	.....	2.99	.....	.....	.....	.....	.....	2.07	4.27	5.85	.....
Blalock	0.48	T.	0.40	0.23	0.89	0.08	0.15	0.07	T.	0.90	1.18	0.25	4.63
Buckhorn Farm	9.01	10.31	3.30	1.38	4.20	0.97	0.11	0.03	0.26	7.95	8.69	7.08	53.29
Burns	0.99	0.23	0.34	0.71	1.05	0.73	0.42	0.31	0.81	1.35	0.48	0.59	8.01
Canyon City	.....	.....	.....	.....	2.21	0.48	0.26	0.81	1.40	2.20	0.82	0.60	.....
Cascade Locks	9.08	5.86	12.39	4.08	4.98	2.22	0.17	2.22	0.45	7.87	5.57	10.26	65.15
Christmas Lake	0.92	0.14	0.45	0.56	0.72	0.92	0.33	0.12	0.78	1.41	0.10	0.28	6.73
Condon	0.31	0.43	0.75	0.37	1.69	0.42	0.87	0.91	0.16	2.06	0.81	0.33	9.11
Coquille River	4.91	4.78	3.59	2.28	3.82	1.69	0.09	0.48	0.59	3.97	4.51	6.01	36.72
Corvallis	4.24	4.10	4.33	1.99	2.89	1.38	0.00	1.00	0.23	4.34	4.01	4.78	32.29
Crescent	1.56	1.00	1.16	0.82	0.58	0.54	0.31	0.19	0.25	3.61	1.49	1.03	12.54
Dayville	0.58	0.66	0.29	1.36	1.14	0.56	T.	0.28	0.49	1.42	0.44	0.61	7.83
Doraville	6.04	4.98	6.96	4.18	4.67	1.54	0.24	1.98	0.27	5.42	5.34	7.34	48.96
Drain	3.12	3.60	4.09	1.08	2.89	1.80	0.00	0.60	0.46	5.59	3.05	4.85	30.93
Echo	0.68	0.91	0.71	0.47	0.50	0.08	0.28	0.07	0.13	1.21	0.66	0.53	6.23
Ella	0.30	0.19	0.08	0.16	1.19	0.10	0.57	0.05	0.08	1.22	1.11	0.19	5.24
*Eugene	2.82	2.67	2.87	0.81	2.46	1.76	0.02	0.76	0.37	5.04	3.67	3.96	27.21
Eugene River Station	2.86	2.77	3.34	1.01	2.38	1.98	.....	.....	.....	.....	3.62	4.22	.....
Fairview	5.56	7.59	4.15	1.87	5.72	2.24	0.18	0.73	0.16	8.10	6.75	5.22	48.27
Falls City	9.33	8.20	7.56	2.50	7.42	.....	.....	.....	0.40	6.79	8.15	9.93	.....
Forest Grove	6.65	5.11	3.89	0.95	2.89	.....	.....	1.00	0.19	5.05	5.64	5.37	.....
Gardiner	7.79	7.89	6.17	4.01	5.89	3.13	0.00	1.27	0.50	8.08	5.90	7.72	58.35
Glendale	6.70	10.55	4.20	.....	2.40	1.50	0.40	0.30	0.30	4.30	2.40	3.80	.....
Glenora	16.24	13.22	19.80	11.07	5.49	2.84	0.08	3.18	0.80	11.84	12.60	18.79	115.95
Gold Beach	9.59	9.42	6.29	4.68	5.95	1.46	0.00	0.55	0.42	7.63	6.75	8.72	61.46
Granite	0.40	0.25	1.46	0.64	1.26	1.46	0.37	1.15	1.71	2.50	1.08	.....	.....
Grants Pass	3.19	5.21	2.83	0.81	1.45	0.80	0.12	0.33	0.16	3.80	4.56	2.52	37.01
Grass Valley	0.55	0.02	0.68	0.11	1.41	0.37	0.22	0.34	0.12	1.11	1.12	.....	.....
Greenleaf	.....	.....	.....	.....	.....	2.37	0.07	1.25	0.77	9.54	9.00	8.89	.....
Headworks	6.63	4.86	11.20	4.12	8.01	4.43	0.28	2.46	0.37	9.50	4.60	7.61	64.07
Heisler	0.50	0.35	0.15	0.21	0.15	0.60	0.38	.....	.....	.....	.....	.....	.....
Heppner	0.50	1.34	0.95	0.52	1.95	0.45	2.30	0.42	0.08	1.82	0.74	0.35	11.42
*Hermiston	0.36	0.51	0.39	0.20	0.37	T.	0.27	0.10	0.07	0.96	0.90	0.66	4.79
Hood River	3.60	2.15	4.47	1.45	0.90	0.40	0.13	0.90	0.05	4.10	2.20	.....	.....
Huntington	.....	.....	.....	.....	0.88	0.05	0.00	0.00	0.79	0.09	T.	0.08	.....
Jacksonville	2.87	2.16	0.58	0.43	1.04	0.83	0.11	0.04	0.46	5.41	3.15	1.97	19.05
Joseph	1.01	0.95	2.38	1.68	2.27	1.47	1.01	0.83	1.44	1.39	0.95	0.90	16.28
Kamela	.....	.....	.....	0.96	1.96	1.42	1.55	0.92	1.17	3.60	1.22	1.61	.....
Klamath Agency	.....	.....	.....	.....	.....	.....	.....	.....	0.10	2.96	1.02	0.14	.....
Klamath Falls	1.53	0.50	1.00	0.55	1.08	0.54	0.23	T.	0.18	2.50	1.08	0.83	10.02
La Grande	0.33	0.96	2.92	1.11	2.51	0.62	0.86	0.75	1.36	2.21	0.58	0.90	15.11
Lakeview	0.57	0.85	0.30	0.00	1.75	.....	.....	.....	.....	.....	.....	.....	.....
Lilyglen	.....	.....	.....	.....	.....	2.19	0.38	0.16	0.33	6.73	3.18	3.05	.....
Marshfield	6.97	6.81	5.48	3.33	.....	1.96	0.06	.....	.....	.....	.....	.....	.....
McKenzie Bridge	6.21	5.26	8.82	3.56	5.60	2.58	0.55	2.11	0.76	10.49	5.47	7.14	58.55
McMinnville	5.05	2.58	5.50	2.40	3.21	0.81	0.03	1.03	0.28	4.86	4.23	5.24	35.22
Merrill	0.55	0.23	0.11	0.49	1.37	0.13	0.10	T.	T.	1.88	0.69	0.75	6.30
Mikkalo	6.65	0.07	0.38	0.16	0.90	0.15	1.11	0.35	0.02	1.24	0.87	0.25	5.77
Milton	.....	.....	.....	.....	.....	.....	0.26	0.31	0.91	2.80	1.27	.....	.....
Miramonte Farm	4.76	2.54	3.69	2.58	4.12	0.90	0.06	1.03	0.22	5.07	2.76	4.41	32.14
Monroe	4.18	5.14	3.08	1.89	2.98	0.88	T.	0.37	0.60	5.02	5.25	4.81	34.20
Mountain Park	0.27	4.65	11.58	4.19	2.58	1.75	0.27	2.16	0.25	8.06	3.02	7.96	53.12
Mount Angel	7.40	3.30	6.30	2.99	5.84	1.64	0.24	1.26	0.73	5.73	4.62	5.36	45.41
Newport	9.39	5.72	11.60	3.95	4.90	2.43	0.23	1.66	0.76	3.56	7.06	7.23	58.49
Orseco	10.55	10.05	15.10	.....	.....	7.70	0.30	2.88	1.00	19.38	6.00	.....	.....
Paisley	0.34	0.58	0.11	0.21	0.95	0.56	1.07	0.44	0.40	1.42	0.41	0.30	6.79
Pendleton	0.60	1.33	1.06	0.55	0.72	0.23	0.10	0.27	0.10	1.44	0.93	0.72	8.07
Pompeii	7.05	6.73	15.41	4.35	7.81	5.94	1.03	3.05	0.59	10.01	5.12	8.47	75.56
*Portland	4.73	2.85	4.39	3.38	4.66	0.67	0.05	1.34	0.23	5.17	3.10	3.80	34.37
Port Orford	10.05	8.42	6.97	4.85	6.32	1.65	0.02	0.81	0.36	8.67	8.83	10.70	67.65
Prineville	0.33	.....	T.	0.33	0.99	1.07	0.74	0.23	0.18	1.30	0.38	0.48	.....
Prospect	.....	3.38	4.01	2.05	3.85	2.60	0.40	0.62	0.05	8.26	3.61	2.61	.....
Richland	0.02	T.	0.85	0.71	0.87	0.49	0.00	0.21	1.10	0.90	0.33	0.78	6.17
Riverside	0.35	0.30	0.25	0.15	0.30	2.17	.....	.....	1.25	0.70	0.45	.....	.....
*Roseburg	3.31	3.53	1.98	0.44	1.47	1.41	0.04	0.29	0.43	5.29	2.99	3.00	24.18
Salem	3.71	2.66	2.63	1.99	2.48	1.06	0.02	0.52	0.30	4.88	3.61	2.90	26.76
Silver Lake	0.00	0.09	0.27	.....	0.37	2.08	0.80	0.18	0.45	1.31	0.30	0.40	.....
Siskiyou	.....	.....	.....	.....	.....	.....	.....	.....	0.29	6.06	3.10	2.06	.....
Sisters	.....	.....	.....	.....	0.79	0.49	0.56	0.48	0.09	2.71	1.13	1.03	.....
Stafford	7.46	3.31	5.17	2.99	4.57	1.01	0.06	1.68	0.32	5.96	4.89	5.16	42.60
*The Dalles	1.06	0.77	1.50	0.17	0.92	0.10	0.36	0.16	0.03	1.42	0.48	1.21	8.18
Toledo	10.50	7.82	12.34	7.32	6.63	4.10	0.00	2.09	0.63	8.72	8.15	8.50	76.80

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Oregon—Continued.													
*Umatilla	0.39	0.38	0.65	0.29	0.64	0.18	0.36	0.14	0.19	1.23	0.89	0.58	5.92
Unity					1.16	1.38	1.88	0.32	1.29	0.85	0.00	0.64	
Vale	0.55	0.13	0.33	0.67	0.90	0.90	0.76	0.09	0.63	1.06	1.65	0.36	8.03
Wallowa	0.56	0.45	1.80	0.90	0.92	0.66	0.82	1.21	1.45	2.66	0.69	0.62	12.74
Wamic					0.18	0.20	1.22	0.20	0.18	1.51	0.57	0.95	
Warmspring	0.36	0.43		0.20	0.93	0.40	0.75	0.60	0.43	1.68	0.81	0.40	
Wasco	0.65	0.34	1.22	0.05	1.23	0.14	0.20	0.20	0.04	1.49	0.90	0.56	7.02
Welches				5.37	8.90	4.73	0.35	2.62	0.05	9.50	3.63		
Wenaha Springs					2.91	1.26	0.80	0.38	1.51	3.88	2.45	2.18	
Weston	0.40	0.98	2.62	0.86	2.16	0.78	0.50	0.48	0.55	2.81	1.24	1.08	14.46
Williams	3.26	5.47	2.79	1.81						7.51	5.85	2.23	
Yonna	0.76	0.54	0.47	0.69	1.49	0.52	T.	T.	T.	2.12	0.86	0.47	7.92
Pennsylvania.													
Aleppo	2.09	3.55	6.05	4.70	5.86	1.73	3.75	2.62	0.81	1.44	0.65	2.62	35.87
Altoona	3.18	4.38	6.19	3.31	8.27	1.70		3.20	0.62	0.61	0.83	3.27	
Ansonia										2.62	0.68	2.93	
Baldwin	1.83	5.35	5.67	5.55	4.14	3.14	6.04	2.19		0.83	0.99	3.35	
Beaver Dam	2.08	3.45	5.90	3.69	4.75	2.01	4.70	5.01	0.67	1.56	0.84	2.71	37.37
Bellefonte	1.70	4.58	5.35	3.73	9.16	1.47	5.30	2.90	1.01	1.59	0.85	3.30	40.94
Browers Lock	1.54	5.73	3.96	2.31	4.86	2.36	4.96	4.01	1.50	1.48	1.22	4.10	38.03
California	1.30	3.84	6.67							0.18	0.55	1.95	
Center Hall	1.93	4.25						2.60	1.25	1.40	1.01	2.80	
*Clarion	2.86	4.60	6.24	3.90	5.62	1.84	5.28	1.46	1.30	0.46	1.16	2.64	37.36
Claysville	1.80	4.25	7.35	4.64	4.30	2.66	6.97	4.16	0.53	1.65	0.52	2.77	41.60
*Clearfield			4.35	3.59	10.25	2.72	4.11	2.72	0.83	0.49	0.91	3.22	
Coatesville	3.45	5.99	4.00	2.35	6.18	3.68	4.32	5.52	1.95	1.86	1.22	3.36	43.88
*Confluence	3.16	3.87	6.44	3.92	6.54	3.14	7.24	3.00	0.80	0.08	0.82	3.10	42.11
Davis Island Dam	2.25	3.55	5.60	3.53	5.27	1.29	3.18	2.72	0.84	1.37	0.74	2.65	32.99
Derry	2.42	3.51	8.01	4.60	6.20	4.61	4.45	3.14	0.76	0.28	0.56	3.19	41.73
Doylestown	4.52	7.51	4.84	3.41	7.24	2.19	5.70	6.75	2.25	4.26	0.96	3.92	53.55
Drifton	2.25	5.93	4.06	6.31	6.75	2.62	5.15	2.47	2.77	3.24	0.79	2.64	44.98
Dushore	2.76	4.41	1.58	2.01	5.93	2.15	4.71	3.13	2.00	2.30	0.20	1.95	33.13
Easton	2.81	5.63	2.97	2.75	6.43	2.30	4.81	3.97	2.30	2.52	0.70	2.51	39.70
Eatonville	2.34	4.37	4.40	2.52	5.62	2.75	3.45	1.21	1.38				
*Elwood Junction	1.80	3.46	6.50										
Emporium	2.52	4.90	5.45	3.79	7.62	2.06	3.99	3.47	0.99	0.60	1.60	3.18	40.17
Ephrata	1.88	3.62		2.30	4.75	1.42	8.83	3.00	1.90	1.22	0.84	2.65	
*Erie	1.54	2.65	2.22	3.99	3.22	2.70	2.26	1.32	1.15	1.53	1.84	2.30	26.72
Everett	3.37	4.11	5.53	3.83	6.72	3.22	3.72	1.39		1.47	0.65	1.80	
Forks of Neshaminy	3.28	4.87	3.91	3.56	6.80	2.32	6.17	8.06	2.27	4.62	1.11	3.29	50.26
*Franklin	2.70	2.88	4.94	4.73	6.79	3.23	4.73	1.95	1.30	1.60	1.34	4.28	40.47
*Freeport	2.70	3.43	6.53	4.41	7.49	3.22	6.01	2.13	1.26	0.91	1.02	4.01	43.12
George School	4.00	4.18	3.79	3.04	7.00	3.87	3.86	6.07	2.37	2.83	0.99	3.97	45.97
Gettysburg	2.79	7.11	4.41	2.80	10.95	1.09	6.24	2.80	1.93	2.79	0.85	2.17	45.93
Girardville	3.33	7.70	4.40	3.08	5.78	1.10	6.08	3.47	2.05	4.14	0.82	3.71	45.66
Gordon	2.90	7.23	5.09	3.43	6.98	1.79	5.65	3.52	2.53	4.94	1.03	2.99	48.08
*Greensboro	2.29	3.08	5.88	3.52	5.88	2.50	4.50	2.44	2.38	0.68	0.88	2.51	36.54
Greensburg				4.39	5.88	1.54	3.06	1.87	0.70	0.57	0.84	2.90	
Greenville	2.62	4.08	5.20	3.94	4.01	3.80	6.76	2.19	0.91	1.07	0.88	3.51	38.97
Grove City	1.86	3.25	6.27	5.73	3.83	2.39	9.42	1.95	0.98	1.61	0.97	3.71	41.97
Hamburg	2.18	4.78	6.17	5.56	5.91	1.31	6.71	3.54	3.53	3.20	0.77	2.17	45.83
Hanover	1.88	4.86	3.52	1.85	7.53	1.17	9.57	3.00	2.15	1.53	0.70	2.17	39.93
*Harrisburg	1.78	5.01	3.27	2.33	3.48	1.05	5.51	2.43	1.50	4.15	0.89	2.07	33.47
Herrs Island Dam	1.84	3.45	5.43	3.21	4.86	1.52	5.11	2.63	0.77	1.07	0.52	2.49	32.90
*Huntingdon	3.73	4.28	6.17	3.00	9.49	2.35	5.01	3.09	1.34	1.23	0.73	3.08	44.00
Hyndman	4.34	4.79	5.24	4.71	6.96	2.25	2.53	1.86	1.99	0.88	0.73	1.90	38.18
Indiana	1.74	3.45	6.22	4.92	7.75	3.53	4.96	2.43	0.75	0.29	1.31	4.40	41.75
Irwin	2.40	3.54	7.58	4.33	3.94	2.89	4.07	1.50	1.15	0.76	0.66	2.63	35.45
*Johnstown	4.26	6.56	10.00	5.00	5.75	4.17	3.55	3.24	0.51	0.12	0.96	4.61	48.73
Kennett Square	3.29	4.05	2.47	2.16	3.19	3.44	3.51	4.24	2.23	1.98	0.52	3.16	34.24
Lansdale	3.61	5.14	3.12	2.30	5.97	1.72	5.61	5.86	2.33	3.44	0.70	2.13	41.93
Lawrenceville	2.40	2.51	3.07	3.59	4.02	2.80	4.96	3.11	0.95	2.48	1.00	1.30	32.19
Lebanon	2.77	6.43	3.90	3.16	7.91	2.22	6.36	1.29	1.76	3.14	0.74	2.76	42.44
LeRoy	2.79	4.46	2.92	2.65	4.08	2.48	3.78	2.32	0.88	3.04	0.83	2.31	32.54
Lewisburg	1.69	6.01	5.11	3.64	5.67	1.63	9.29	2.68	1.43	3.65	0.39	2.56	43.75
*Lock Haven	2.70	4.49	4.52	4.00	7.74	2.16	4.39	2.26	1.18	1.92	1.07	3.13	39.56
*Lock No. 4	1.75	3.87	6.88	3.24	5.10	2.02	2.41	3.33	1.06	0.95	0.74	2.43	33.78
Lycippus	3.20	3.08	7.10	4.77	7.02	2.46	4.38	1.53	0.62	0.38	0.85	3.21	38.60
Marion	2.82	5.68	4.27	3.63	7.27	1.60	4.68	4.01	2.57	1.43	0.85	2.08	40.89
Mauch Chunk	3.14	8.15	4.02	3.89	7.03	2.39	5.33	4.60	2.80	3.32	0.97	3.18	48.82
Mifflintown	2.47	5.37	4.45	2.84	10.64	2.11	2.60	2.83	1.94	2.01	0.51	2.50	40.27
Milford	1.78	5.13	2.86	2.25	7.01	2.98	3.96	4.12	2.43	4.53	0.75	3.23	41.03
Montrose	2.30		2.93	2.68	5.14	1.82	4.24	1.51	0.98	2.53	1.35	2.34	
New Germantown	2.10	4.65	1.77	2.53	10.09	2.60	4.62	2.42	4.06	2.74	0.40	2.19	40.17
Ottsville	3.75	5.68	3.22	2.46	7.48	2.61	3.74	4.28	2.01	3.34	0.76	2.26	41.59
*Parkers Landing	2.86	5.16	5.88	4.50	5.52	2.70	4.90	2.88	0.82	1.06	1.06	3.74	41.06
*Philadelphia (1)	3.14	3.21	2.83	2.35	6.85	2.41	4.54	5.41	1.79	1.81	0.67	3.12	38.13
Philadelphia (2)	4.17	4.68	3.70	2.83	6.76	2.80	4.04	6.03	1.87	1.93	1.06	3.88	43.75
Philadelphia (3)	4.41	4.66	3.79	3.00	8.78	2.91	4.81	5.09	2.15	1.83	1.21	4.06	46.70
*Pittsburg	1.65	2.89	5.22	3.59	3.84	1.14	5.07	2.48	0.71	0.95	0.69	1.94	30.17
Pocono Lake	2.22	4.71	3.32	4.40	6.01	1.50	2.98	2.93	3.86	5.48	0.50	1.26	39.17
Point Pleasant	3.35	4.31	3.53	2.46	7.83	2.65	4.27	5.46	2.70	3.56	0.85	3.07	44.04
Pottsville	2.53	7.10	4.17	3.48	5.97	1.21	5.13	2.68	3.38	3.04	0.66	3.17	42.52
*Reading	2.77	5.32	3.59	2.56	6.55	1.44	6.62	2.13	1.82	1.88	0.84	2.72	38.24
*Renovo	3.38	4.70	3.34	2.89	8.34	0.58	2.15	2.86	1.30	0.86	0.80	2.01	33.21
Saegerstown	3.03	4.48	4.16	4.13	7.23	2.90	3.36	1.22	0.79	1.40	1.76	4.32	38.78
St. Marys	2.87	5.25		4.72	8.67	2.90	5.70	2.36	1.21	0.66	1.02	2.68	
*Saltsburg	2.86	3.88	6.38	3.66	6.00	2.65	5.15	2.44	0.68	0.74	0.76	3.40	38.60
*Scranton	2.27	4.40	3.62	2.97	4.02	1.71	2.92	3.44	2.03	2.29	0.75	2.17	32.59
Seisholtzville	2.94	6.03	3.28	2.84	6.12	1.16	5.45	2.88	2.03	3.79	0.86	2.48	39.86
*Selinsgrove	1.46	4.68	5.04	3.45	6.41	1.72	9.45	3.14	1.92	3.10	0.43	1.84	42.64
Shawmont	3.09	4.14	3.66	3.11	5.76	1.53	3.25	4.52	2.37	2.26	1.07	3.78	38.54
Skidmore	2.43	2.70	4.45	2.20	5.05	2.45	3.65	2.70	0.95	1.60	1.00	2.10	31.48
Smiths Corners	3.32	5.17	4.21	3.13	8.03	2.42	3.71	5.07	2.49	3.85	0.89	2.58	44.87

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Pennsylvania—Continued.													
Somerset	5.33	7.72	7.50	5.25	7.26	3.12	5.17	1.80	0.91	0.55	1.97	3.29	49 87
Springdale	2.00	3.01	6.91	3.88	5.88	2.65	3.52	4.16	1.18	0.95	0.66	3.03	37.83
Spring Mount	2.35	4.59	3.44	2.56	4.80	2.05	7.80	4.93	1.86	1.87	0.74	2.46	39.45
State College	2.55	5.19	5.58	3.06	9.02	1.37	4.24	2.68	1.50	1.34	0.81	3.02	40.36
*Towanda	2.06	3.13	2.86	2.88	5.63	3.09	3.72	2.15	1.18	2.55	0.64	1.99	31.88
Uniontown	2.21	4.14	6.84	4.83	5.11	4.16	2.66	4.02	0.63	0.57	0.67	2.91	38.75
Warren	3.14	4.79	3.64	3.86	5.00	4.16	3.40	1.66	1.40	0.52	1.64	2.85	36.06
Wellsboro	2.28	3.83	3.86	3.16	5.19	1.93	4.12	3.53	1.37	1.76	1.07	2.26	34.36
West Chester	3.01	5.77	3.48	2.54	5.34	4.04	4.03	5.40	2.23	2.15	1.19	3.41	42.59
*West Newton	2.68	3.13	7.26	3.47	4.32	2.44	4.46	1.74	0.96	0.72	1.01	3.18	35.37
*Wilkes-Barre	1.60	5.91	3.94	2.59	3.79	1.87	2.92	2.93	1.11	2.27	1.14	2.38	32.45
*Williamsport	2.62	5.08	3.60	3.69	5.22	2.15	8.01	3.93	1.29	3.66	0.56	2.36	42.17
Rhode Island.													
*Block Island	2.80	3.53	3.28	2.64	4.76	2.02	2.34	3.34	0.77	5.17	1.20	4.62	36.45
Bristol	2.71	3.36	3.36	1.54	3.82	2.12	2.43	5.35	0.81	4.94	1.16	3.96	35.56
Kingston	3.61	5.66	4.38	2.72	5.89	3.31	1.81	6.77	0.97	4.27	1.45	5.07	45.91
*Narragansett Pier	3.03	3.81	3.85	2.64	4.19	3.96	2.78	7.27	1.08	5.24	1.84	4.70	44.39
*Providence	2.93	4.00	3.42	1.77	4.18	2.01	4.33	5.16	0.88	3.37	0.92	3.12	36.09
South Carolina.													
Aiken	5.57	4.70	4.18	4.33	1.45	5.16	1.83	5.70	1.65	4.72	1.10	3.10	43.49
*Allendale	5.97	3.87	3.80	5.08	2.32	2.39	4.86	5.08	1.53	2.10	0.94	1.88	39.82
*Anderson	4.85	4.86	4.82	5.75	3.20	4.05	4.12	18.39	2.72	5.57	1.99	3.98	64.30
Barksdale		3.15		4.27	1.58								
*Batesburg	4.48	4.89	2.80	2.92	1.05	3.52	3.19	9.29	1.92	5.27	1.91	2.76	44.00
Beaufort	5.50	5.47			7.06	7.23	4.19	4.34	2.62	4.77	2.29	2.01	
Bennettsville	4.77	2.98	4.60	2.29	3.40	1.86	4.03	5.06	2.02	2.89			
*Blackville	6.56	4.14	5.12	5.98	3.18	2.61	4.39	5.18	4.30	4.27	2.37	2.21	50.31
*Blairs	5.18	5.68	4.64	2.36	4.64	4.18	4.52	9.88	2.02	5.44	1.68	2.98	53.20
Bowman	6.02	6.54	5.83	8.48	3.01	4.69	3.50	6.14	0.85	2.74	0.54	1.46	49.80
*Calhoun Falls	5.00	6.29	3.18	7.90	2.17	5.48	4.70	12.60	4.13	4.83	1.34	3.08	60.70
Camden	4.86	4.78	4.83	2.19	1.72	3.92	5.90	14.42	6.00	4.43	1.41	2.89	57.35
*Camden	3.84	5.24	4.42	1.42	2.94	2.98	3.48	6.78	6.98	4.00	1.36	3.52	46.96
*Catawba	4.20	5.84	4.50	1.58	2.63	2.42	3.24	13.04	1.32	5.36	2.36	4.30	50.79
*Chappells	3.39	3.58	4.85	2.94	1.84	4.94	7.78	.....	k1.12	4.26	1.80	3.50	.....
*Charleston	2.49	3.15	2.16	4.92	2.01	2.70	2.80	4.88	1.06	1.55	2.75	0.94	31.41
*Cheraw (1)	4.16	4.79	5.74	1.64	4.08	4.19	4.38	10.53	2.61	4.96	1.53	3.35	51.96
*Cheraw (2)	4.17	4.93	5.84	1.68	3.74	4.36	4.62	11.74	2.53	5.01	1.61	3.49	53.72
Clarks Hill	6.71	4.61	4.84	6.49	2.10	3.28	.....	4.95	1.93	2.28	1.39	2.66	.....
Clemson College	7.53	5.43	5.24	6.17	1.58	4.84	6.64	7.27	1.82	5.61	1.66	5.90	59.69
*Columbia	6.27	3.74	4.15	3.24	2.93	4.21	3.46	7.65	2.21	2.92	1.30	2.40	44.48
*Conway	2.60	7.33	5.06	4.63	2.13	5.15	11.15	8.21	4.09	9.42	1.24	2.89	63.81
Darlington		2.71	3.32			4.05	5.52	8.93	3.93	4.70	1.11	2.58	
Dillon	3.21	5.35	5.46	4.90	1.79	5.55	8.10	10.16	4.43	6.27	0.75	2.99	58.96
Due West	3.65												
*Effingham	3.73	9.06	7.00	6.52	3.95	8.80	9.69	9.73	4.95	2.95	1.05	2.65	70.08
*Ferguson	3.74	3.86		7.99	4.11	b 8.11	g 3.60	d 6.62	0.62	3.10	0.70	1.90	
*Florence	3.60	6.52	3.89	6.12	4.46	3.43	6.79	6.33	6.77	4.44	1.26	1.36	54.97
Georgetown	3.63	4.56	1.75	4.37	2.90	2.55	6.57	6.30	0.78	3.64	2.13	1.57	40.75
*Greenville	5.31	6.65	4.24	3.77	1.45	4.56	8.77	19.52	3.82	6.14	3.09	5.18	72.50
*Greenwood	4.90	6.30	4.23	3.65	0.70	6.93	7.57	10.54	1.88	4.54	2.03	4.85	58.12
Heath Springs	6.26	4.26	5.20	4.06	2.45	5.08							
Jacksonboro						8.13	5.85	6.10	2.19	2.51	2.62	1.97	
*Kingstree (1)	3.42	6.66	5.14	6.02	3.86	6.54	4.10	11.71	4.00	3.73	0.96	2.25	58.39
*Kingstree (2)	3.98	6.19	5.07	6.06	4.43	6.13	5.86	10.55	3.82	3.27	0.90	2.23	57.99
Liberty	6.25	5.12	5.80	5.25	3.45	5.06	7.90	15.08	3.30	6.65	1.55	4.90	70.01
Little Mountain	5.88	5.26	4.94	3.68	2.58	3.48	6.88	11.31	1.17	5.22	2.14	2.65	55.19
Newberry	7.23	3.86	4.28	3.39	1.21	5.70	7.21	9.06	1.94	4.44	1.61	3.39	53.42
*Pelzer	5.08	6.62	5.11	5.03	2.12	5.82	4.81	9.08	2.90	4.48	1.80	4.50	57.35
Pinopolis				7.58	4.95	4.40	6.46					2.59	
*St. George	2.90	5.30	4.10	7.02	4.67	7.83	3.66	11.13	2.80	1.80	0.90	1.50	53.61
*St. Matthews	4.99	7.02	4.20	7.24	3.47	8.00	2.29	6.14	2.35	2.81	1.20	1.03	50.74
Saluda	5.77	4.93	4.84	3.87	2.74	5.44	6.29	6.82	1.73	4.23	2.06	3.02	51.74
Santuc	6.41	5.82	4.49	2.88	2.86	4.47	4.66	14.69	1.75	6.26	1.86	4.20	60.35
*Smith Mills	2.81	5.78	5.25	4.55	2.74	1.08	6.20	7.38	2.55	1.66	1.71	2.30	44.01
Society Hill	5.19	3.60	5.30	3.33	3.79	5.11	9.29	4.18	1.68	5.87	1.34	2.91	51.59
*Spartanburg	6.67	5.82	4.87	2.65	3.74	4.20	9.81	12.79	1.90	5.48	1.51	4.99	64.23
Stateburg	6.09	4.09	4.88										
Summerville	4.18	6.67	4.84	6.54	5.14	5.91	4.89	9.04	2.62	2.95	1.26	1.98	56.02
Trenton	5.50	4.77	4.42	4.77	1.51	3.12	2.70	5.54	2.32	5.00	1.67	2.53	43.85
Trial	6.07	4.01	4.86	7.15	4.19	5.52	2.60	9.60	1.54	1.69	0.93	2.95	50.21
Walhalla		8.16											
Walterboro	4.50	6.79	4.02	6.67	3.39	9.10	3.23	9.62	2.40	1.41	1.40	1.87	54.40
Winnsboro	3.90	4.80	5.25	3.54	1.10	4.36	3.76	13.32	2.80	3.78	2.00	3.00	51.61
Winthrop College	5.39	5.54	4.07	1.94	2.35	4.00	5.97	12.28	1.63	5.08	1.88	3.93	54.96
*Yemassee	3.67	6.66	4.30	5.70	5.45	8.16	5.14	3.16	3.55	4.48	1.02	1.45	52.74
Yorkville	6.45	5.87	4.41	2.42									
South Dakota.													
*Aberdeen	0.60	2.12	1.92	2.88	7.51	5.20	3.72	2.28	1.18	3.05	1.53	1.00	32.99
Academy	0.21	1.06	0.69	2.63	6.06	6.60	2.84	1.62	1.17	1.37	0.76	1.02	26.08
Alexandria	0.10	0.86	0.60	3.00	6.28	8.44	2.22	0.99	2.95	2.65	1.71	0.72	30.52
Ardmore											0.00		
Armour	0.20	1.00	1.24	1.53	6.65	7.73	1.02	2.28	2.10	2.70	1.75	0.79	28.99
Ashcroft	0.40	0.80	1.85	1.42	2.37	2.46	0.82	0.92	1.46	2.24	0.80	0.50	15.56
Bellefourche							0.87	0.43	0.72	1.68	0.20	1.02	
Bowdle	0.70	1.30	1.65	2.55	2.53	4.66	6.61	3.17	0.90	1.94	1.05	1.60	28.66
Brookings	0.20	1.80	1.16	2.24	6.46	6.35	4.69	2.37	3.89	1.43	1.30	0.42	32.31
Burke												0.59	
Canton	0.20			3.03				0.85	2.04	2.35	0.96	0.57	
Cascade Springs	0.75	0.17	0.90	1.05	4.93	6.34	2.57	0.27	0.40	2.51	T.	0.57	20.46
Castlewood	0.15	0.36	0.72	2.07	3.20	6.55	1.38	1.23	1.96	1.17	1.36	0.16	21.23
Centerville	0.10	1.10	0.99	4.19	6.91	8.20	4.61	3.19	1.34	1.92	1.32	0.93	34.80

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
South Dakota—Continued.													
Chamberlain	0.10	0.54	0.68	1.15	3.24	4.90	2.26	4.23	0.42	1.35	1.24	0.60	20.71
Clark	0.40	1.79	1.76	2.89	3.18	5.80	1.20	1.43	2.33	1.90	2.40	1.10	26.18
Clear Lake	0.20	.....	.....	4.43	6.60	8.53	2.75	2.51	2.52	1.05	1.35	0.50	.....
Clifton	0.10	.....	0.50	1.00	.....	.....	3.37	.....	.....	4.08	.....	.....	.....
De Smet	0.10	1.25	1.25	1.54	4.25	3.38	2.43	1.38	.....	3.05	1.37	0.30	.....
Elk Point	0.18	1.35	0.67	0.94	4.47	2.61	2.21	2.55	2.01	1.98	0.60	.....	.....
Eureka	.....	.....	.....	.....	.....	.....	.....	1.95	0.66	1.51	0.93	0.40	.....
Fairfax	0.20	0.60	0.67	1.47	5.63	10.59	4.30	3.30	1.90	.....	1.05	0.87	.....
Farmingdale	.....	.....	.....	.....	.....	.....	.....	1.43	0.80	2.63	.....	0.26	.....
Faulkton	0.17	0.96	1.41	2.09	3.96	3.58	4.91	2.49	0.61	1.92	1.49	0.58	24.17
Flandreau	0.10	2.09	1.52	3.08	9.07	4.96	4.47	3.08	1.81	2.14	1.72	0.73	34.77
Forestburg	0.30	1.48	0.81	1.32	.....	4.23	4.78	1.87	2.90	2.20	2.06	1.00	.....
Fort Meade	0.10	1.00	1.15	2.80	3.98	1.87	0.50	.....	0.58	2.20	0.32	1.70	.....
Frederick	0.50	1.69	0.90	1.29	3.86	6.22	3.62	2.69	1.06	1.81	1.64	0.45	25.73
Gannvalley	.....	.....	0.75	2.18	2.30	.....	5.10	3.19	0.93	0.78	1.10	1.00	.....
Greenwood	0.25	1.09	0.94	1.67	3.72	8.68	2.67	4.69	1.92	2.45	1.01	0.92	30.01
Hermosa	0.18	0.18	1.19	0.32	6.63	4.36	1.55	1.38	1.12	1.57	T.	1.04	19.52
Highmore	0.10	0.93	0.80	1.55	2.68	5.78	2.49	3.53	0.62	2.19	1.39	0.31	22.37
Howard	0.20	0.75	1.35	2.15	5.82	5.50	6.58	3.15	2.36	1.87	1.67	0.39	31.79
Howell	0.04	0.61	0.82	1.87	3.79	4.49	1.36	3.28	0.45	1.84	1.43	0.28	20.26
*Huron	0.19	1.17	1.24	1.45	5.47	6.94	4.12	1.38	1.39	2.82	1.50	1.00	28.67
Ipswich	.....	.....	1.33	1.54	4.10	.....	.....	.....	.....	.....	.....	.....	.....
Kennebec	T.	0.48	.....	.....	4.08	5.33	0.47	3.31	0.36	3.73	0.86	0.80	.....
Kidder	0.42	1.95	2.36	1.20	2.15	5.50	3.94	1.50	2.59	3.72	2.11	0.42	27.86
Kimball	0.02	0.59	0.86	1.98	4.97	5.36	3.58	3.70	0.90	1.04	1.01	0.68	24.69
La Delle	0.15	1.44	1.36	3.08	4.88	7.81	.....	2.72	1.72	3.62	3.03	0.76	.....
Lemmon	.....	.....	.....	.....	2.95	3.70	.....	.....	.....	.....	.....	.....	.....
Leslie[1]	0.23	0.20	1.69	0.50	2.26	3.74	1.10	1.35	0.85	2.85	0.20	0.20	15.17
Little Eagle	.....	.....	.....	2.30	2.94	2.47	.....	.....	.....	.....	.....	.....	.....
Manderson	.....	.....	.....	.....	.....	1.82	1.85	0.99	0.40	3.60	0.18	0.85	.....
Marion	0.31	1.46	1.40	1.91	5.75	5.80	7.51	1.94	1.02	2.16	1.42	0.78	31.46
Mellette	0.18	1.08	0.83	2.42	4.34	4.82	4.72	2.72	0.43	3.76	1.16	0.74	27.20
Menno	0.13	0.95	1.26	1.72	4.70	6.27	2.82	2.30	1.13	2.58	1.71	0.57	26.14
*Milbank	0.47	4.04	2.53	4.00	5.42	4.70	1.47	1.86	2.05	1.81	2.60	2.55	33.50
*Mitchell	0.20	1.49	0.97	3.24	9.53	7.31	2.81	2.58	2.23	2.45	2.48	0.85	36.14
Montrose	0.15	1.30	0.85	2.35	8.96	6.26	7.98	1.86	2.80	2.41	.....	.....	.....
Murdo	.....	.....	1.55	.....	2.95	4.65	1.73	1.22	0.14	3.65	0.29	0.95	.....
Oelrichs	0.30	0.10	0.40	0.90	5.02	4.05	3.40	1.55	0.20	2.70	0.00	0.38	19.00
Orman	0.20	0.19	1.48	2.10	2.58	2.17	1.91	0.67	0.66	1.96	0.02	1.00	14.93
Ottumwa	.....	.....	.....	0.76	4.26	2.94	0.98	0.46	0.17	2.10	0.53	0.54	.....
Phillip	0.10	0.10	0.82	0.59	4.88	.....	2.54	1.62	0.17	4.54	0.20	0.96	.....
*Pierre	0.22	0.46	1.23	1.41	3.98	1.88	3.04	2.32	0.26	3.21	0.49	0.60	19.10
Plankinton	0.17	0.85	1.02	1.28	5.57	9.22	1.77	3.36	2.17	2.14	1.30	1.05	29.90
Pollock	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.40	.....
*Rapid City	0.22	0.12	1.14	0.78	5.46	4.28	1.26	0.87	2.67	2.09	0.01	0.73	19.03
*Redfield	0.20	0.90	1.05	1.03	3.97	4.53	2.52	2.11	0.58	2.32	0.83	0.35	20.39
Rosebud	0.57	0.20	1.05	0.86	6.50	3.57	2.31	1.85	0.01	3.55	0.96	1.05	22.48
Roslyn	0.13	1.02	0.80	2.09	2.32	3.98	1.93	3.44	1.28	2.01	1.38	0.47	20.85
*Running Water	.....	.....	.....	1.42	4.33	6.89	6.98	2.71	1.35	1.83	.....	.....	.....
Selby	0.85	1.18	1.00	.....	2.40	2.36	3.53	2.06	0.95	2.00	.....	1.15	.....
Sioux Falls	0.15	1.55	1.05	2.10	7.75	7.08	5.90	1.89	1.44	1.96	1.62	0.55	33.04
Spearfish	0.10	0.50	2.07	3.19	4.05	1.37	1.00	0.80	1.32	1.33	0.60	1.35	17.66
Stephan	0.05	0.51	1.24	1.55	2.57	4.74	2.65	3.11	0.55	2.35	0.98	0.56	20.86
Tama	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.20	0.53	0.72	.....
Vale	.....	.....	1.65	1.47	4.85	4.18	1.50	0.88	0.96	2.10	0.20	0.91	.....
Vermilion	0.10	1.35	0.88	3.65	4.00	6.68	6.88	1.27	1.77	2.98	0.92	1.10	31.58
Watertown	0.25	1.40	1.20	3.25	3.06	6.12	0.88	2.37	1.82	1.48	1.50	0.47	23.80
Wentworth	0.16	1.52	0.94	1.26	6.81	6.83	4.93	3.32	2.79	1.69	1.65	0.53	32.43
Wessington Springs	0.10	0.96	0.94	1.78	4.60	7.20	4.25	.....	1.03	3.03	1.07	0.73	.....
Wolsey	0.12	1.62	1.65	1.02	4.50	5.06	3.38	.....	.....	.....	.....	.....	.....
*Yankton	0.12	0.99	1.08	2.14	3.84	5.03	4.27	3.34	1.02	2.29	1.40	0.87	26.39
Tennessee.													
*Arlington	.....	.....	.....	6.61	2.72	8.70	1.35	5.25	0.62	T.	.....	.....	.....
Ashwood	3.35	5.44	5.08	6.16	5.07	3.87	3.50	.....	5.85	0.55	3.18	3.05	.....
Benton	4.07	3.91	3.41	4.71	3.05	2.19	5.04	3.75	1.47	1.89	1.30	7.64	42.43
*Bird's Bridge	5.27	2.13	4.63	3.64	4.02	3.74	4.01	5.99	1.54	5.64	1.65	6.18	48.44
*Bluff City	3.04	2.36	5.20	4.38	4.12	4.04	4.72	3.96	0.26	3.44	1.97	5.70	43.19
*Bolivar	3.11	7.01	5.81	5.82	2.29	6.21	0.94	3.89	0.58	0.31	3.30	3.29	42.56
Bristol	3.00	3.34	3.65	4.88	4.55	4.55	4.37	3.05	1.90	2.25	2.60	6.09	44.18
*Brownsville	2.47	5.70	5.15	6.79	2.05	5.20	0.85	6.29	0.77	T.	6.40	2.25	43.92
Byrdstown	4.34	4.89	5.61	6.62	5.65	2.27	7.09	4.93	2.56	0.60	3.78	3.79	52.13
*Carthage	2.58	4.87	4.79	4.22	4.33	3.43	3.17	1.29	2.52	0.63	3.02	3.23	38.08
Cedar Hill	3.25	7.05	3.22	8.00	4.95	8.70	4.45	3.62	1.55	0.40	5.40	1.90	52.49
*Celina	1.97	4.74	4.19	5.50	5.14	3.87	6.42	3.23	3.14	0.65	3.57	3.21	46.63
*Charleston	3.38	6.27	3.97	4.66	1.67	1.73	5.66	5.98	1.46	0.99	1.49	7.04	44.30
*Chattanooga	3.64	4.90	3.35	5.17	1.94	0.89	2.43	7.04	3.72	1.73	0.69	6.67	42.17
Chattanooga High School	3.13	6.26	3.45	5.44	2.05	.....	.....	.....	.....	1.73	0.69	6.67	.....
Clarksville	2.44	6.03	4.14	7.45	4.20	4.80	5.19	2.02	1.70	T.	5.90	2.25	46.12
*Clinton	3.30	5.81	3.44	3.93	2.01	4.07	5.36	4.81	1.50	2.15	1.87	6.90	45.15
*Covington	1.95	3.95	5.45	6.50	2.30	4.98	1.85	5.45	0.63	T.	6.05	1.55	40.66
*Dandridge	3.24	2.83	4.00	2.24	2.02	2.32	4.64	5.38	1.73	4.28	2.26	6.02	40.96
Decatur	4.65	5.21	3.99	4.24	3.86	2.54	4.09	6.62	1.69	1.09	1.47	8.26	47.71
Dickson	3.67	7.09	4.47	6.61	4.84	5.79	3.07	4.65	2.17	0.07	6.20	2.64	51.27
Dover	2.40	5.05	3.87	6.14	3.74	5.65	2.29	2.45	0.97	0.15	6.88	1.67	41.26
*Dyersburg	1.70	7.60	4.05	6.40	3.59	5.75	1.54	5.35	1.32	T.	7.30	1.45	46.05
*Elizabethton	4.39	2.80	4.49	5.46	5.60	4.33	7.42	4.07	1.32	2.92	2.11	4.38	49.29
Erasmus	5.48	5.15	4.10	4.47	5.59	4.41	3.42	5.80	3.08	1.65	2.68	7.24	53.07
Florence	4.00	4.80	4.06	4.41	5.01	2.29	4.61	3.72	7.70	0.37	3.35	3.41	47.73
Franklin	4.70	4.77	5.76	6.24	3.49	5.43	2.21	3.83	1.51	0.51	2.97	2.49	43.91
*Hall's Hill	3.12	4.85	5.06	4.05	6.71	3.35	4.33	2.22	10.11	0.33	3.07	4.17	51.37
Harriman	4.29	4.28	3.32	4.30	2.69	3.38	11.64	3.89	1.68	1.56	3.41	4.82	49.26
Hohenwald	4.76	7.18	6.36	7.51	5.32	5.70	2.89	5.90	4.12	0.28	4.28	3.44	57.74
Iron City	4.53	5.47	5.01	6.71	7.32	6.26	4.86	3.40	5.27	0.43	1.67	5.57	56.60

[1] Prior to September the station at Leslie was known as Cherry Creek.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Tennessee—Continued.													
Jackson	3.56	5.09	5.79	7.91	1.86	4.63	1.27	5.06	0.35	0.00	4.53	2.24	42.29
*Johnsonville	3.02	5.22	3.41	5.67	2.74	7.19	3.71	5.44	2.12	0.02	5.12	2.99	46.65
Jonesboro	3.40	2.28	3.90	5.43	6.23	3.55	6.53	3.37	1.45	3.91	3.04	5.03	48.12
Kenton	2.71	4.39	4.24	8.25	4.37	7.31	1.73	3.34	0.41	T.	8.12	1.65	47.02
*Kingston	3.09	4.95	3.90	3.76	3.23	1.90	7.82	4.26	1.38	2.38	2.25	6.01	44.93
*Knoxville	4.04	2.87	3.25	3.02	2.15	2.07	3.90	3.95	1.78	2.57	3.13	5.65	38.38
Lafayette	2.94	6.57	5.47	6.67	7.88	3.26	5.26	3.55	1.99	0.52	3.58	2.59	50.28
Lewisburg	4.57	5.54	5.41	4.22	7.27	3.66	2.54	6.35	3.11	0.83	2.48	4.39	50.37
*Loudon	3.67	3.42	3.76	3.59	2.02	3.05	7.20	6.95	2.25	2.20	1.80	6.45	46.36
Lynnville	4.68	6.13	4.95	7.84	5.90	4.99	2.10	3.89	4.18	0.50	2.23	3.00	50.39
*McGhee	3.81	3.65	4.39	3.30	3.56	3.33	4.66	3.62	1.48	2.80	1.52	7.20	43.32
McMinnville	4.44	3.52	4.08	3.40	3.94	1.84	6.37	2.31	2.30	0.55	2.72	4.93	40.40
Maryville	3.90	3.59	4.09	2.98	3.30	4.41	7.35	4.58	1.44	1.95	2.30	7.35	47.24
*Memphis	4.71	5.36	5.02	5.75	3.21	5.73	3.50	4.52	1.49	0.05	5.45	2.67	47.46
*Milan	2.23	4.57	3.72	5.81	3.07	5.18	0.88	3.13	0.34	0.09	4.95	2.35	36.32
Mountain City			3.58	5.24	4.30	6.43	6.90	3.34	1.32	5.09	1.90	6.18	
*Nashville	3.02	4.15	4.16	4.43	2.80	2.73	3.32	1.69	1.89	0.44	3.31	2.10	34.04
*Newport	4.89	2.63	3.15	3.40	3.40	2.40	4.90	5.34	1.48	5.33	2.40	6.90	46.22
*New River			3.28	3.96	3.27	4.84	6.21	3.71	4.44	1.52	2.26	4.33	
Palmetto	4.83	4.72	5.39	3.85	5.98	5.07	2.76	7.29	2.65	0.62	2.73	4.41	50.30
Pinewood	3.97	5.42	5.90		3.13	6.29	4.73		1.19	T.	3.61	4.36	
Pope	5.00	7.30	7.10	5.58	2.30	6.13	4.45	2.75	1.60	T.	4.50	2.85	49.56
*Rogersville	2.81	3.87	4.15	3.85	3.45	2.66	3.78	3.86	2.32	3.99	2.02	6.01	42.77
Rugby	3.84	3.73	3.54	6.53	4.49	3.08	5.73	3.30	2.36	1.27	3.52	4.44	45.83
*Savannah	4.74	5.58	4.81	6.41	4.39	6.70				T.	3.85	3.78	
Sevierville	3.68	2.71	4.48	2.20	4.00	3.63	3.81	7.91	2.02	3.66	3.36	6.51	47.97
Sewanee	4.20	2.95	4.30		5.85	4.10	3.65	7.63	2.07	1.73	0.60	8.28	
Sparta	3.28	2.97	3.50	2.76	4.48	4.40	5.86	1.99	2.43	0.86	1.97	5.49	39.99
Springdale	3.56	5.40	2.84	3.34	2.60	2.46	7.61	5.50		3.55	2.99	3.34	
Springville	2.56	5.44	3.72	5.85	4.35	6.51	2.90	2.61	1.34	0.19	6.11	1.96	43.54
*Tazewell	2.83	4.60	5.33	5.67	2.97	3.00	6.11	4.83	2.05	3.99	2.68	5.44	49.50
Tellico Plains	4.07	3.19	4.55	4.09	3.13	2.59	5.55	10.35	1.80	2.41	1.67	7.61	51.01
Tracy City	5.11	5.78	3.59	6.58	3.58	4.01	3.52	7.02	4.08	1.30	1.88	9.93	56.38
Trenton	3.13	4.34	4.88	6.11	4.15	6.10	2.18	3.43	0.49	T.	7.24	1.81	43.86
Tullahoma	4.11	4.90	5.27	3.64	5.72	5.01	2.60	4.96	2.79	0.70	2.24	6.39	48.33
Union City		5.79	3.56			4.67							
*Walling	2.95	3.19	4.17	2.95	4.14	2.84	5.91	3.63	2.42	0.75	2.29	5.03	40.27
Waynesboro	4.88	5.81	6.58	7.05	5.16	4.03	3.34	4.20	5.08	0.62	2.64	4.27	53.66
Wildersville				3.94	3.65	4.49	1.81	4.21	0.77	0	4.09	1.95	
Yukon	4.26	6.18	4.82	5.48	6.58	2.77	3.84	3.96	2.25	0.87	2.27	7.06	50.34
Texas.													
*Abilene	0.63	0.11	0.77	6.72	8.38	0.49	4.77	1.23	2.50	6.96	2.41	0.00	34.97
Albany	0.40	0.43	1.43	6.82	4.88	0.51	3.02	1.83	2.63	1.91	2.63	0.00	26.49
Alvin	2.44	5.10	1.56	3.58	2.66	4.71	4.68	5.22	8.36		2.74	3.75	
*Amarillo	0.26	0.72	T.	1.90	3.55	1.73	5.40	2.75	1.83	0.40	0.51	0.00	19.05
*Arthur City	3.26	5.26		9.29	6.97	7.06	6.40		3.48	1.20	2.54	0.50	
*Austin	1.06	3.24	1.64	2.15	6.41	1.30	1.96	2.09	3.84	2.02	1.76	2.60	30.07
*Ballinger	0.40	0.20	1.48	7.22	5.62	T.	2.12	2.44	3.92	1.02	2.84	0.00	27.26
Barstow	0.12	0.00	0.65	1.01	0.55	0.54	3.30	1.54	1.36	0.65	0.18	0.00	9.90
*Beaumont	2.63	5.52	2.71	8.08	4.08	2.93	13.41	3.85	9.39	T.	4.90	2.09	59.59
*Beeville	0.48	1.02	1.18	4.16	2.35	5.60	2.19	9.89	2.87	0.81	2.62	2.51	35.68
Big Springs	0.43	0.06	0.28	5.47	4.09	0.99	1.79	2.90	2.01	0.25	1.40	0.00	19.67
Blanco	1.27	2.38	1.94	2.75		0.12	2.49	4.64	1.87	1.26	1.80	0.74	
Boerne	0.40	2.10	2.00	2.40	7.60	0.00	5.50	5.90	1.00	0.45		0.83	
Bonham	1.10	4.34	4.20	6.65	6.57	6.49	5.78	0.48	4.43	3.09	2.14	0.27	45.54
*Booth	2.31	5.80	3.77	3.77	2.56	3.16	6.56	7.14	5.09	2.79	2.61	2.92	49.08
Bowie	0.54	0.68	2.54	8.70	11.08	5.66	5.09	0.90	2.67	3.91	1.92	0.02	43.71
Brazoria	2.96	3.44	0.71	3.18	3.30	4.04	5.63	5.83	6.46	1.32	2.46	2.96	42.29
*Brazos									4.62	1.39	1.28	0.12	
*Brenham	1.52	3.46	1.14	3.67	7.31	3.99	3.07	4.72	5.60	2.76	1.76	1.35	40.35
*Bridgeport									1.87	3.39	1.11	T.	
Brighton	0.39	0.80	0.30	3.25	1.70	1.20	2.42	0.93	1.91	0.33	1.58	1.22	16.03
*Brownsville	0.71	0.37	0.13	5.98	0.71	1.82	2.63	0.61	5.01	3.59	4.32	0.74	26.62
*Brownwood			2.59	8.33	8.18	0.12	3.53	1.69	3.73	1.50	2.25	T.	
Cameron		3.88	3.22	4.57	9.71	0.20	0.55	2.95	2.70	0.60	1.50	3.84	
Canadian	T.	1.14	0.88	1.07	2.69	6.01	1.28	2.74	6.05	1.18	1.20	0.00	24.24
Carmona	2.88	7.07	1.80	6.52	7.31	1.85	2.23	4.15	5.76	1.50	3.26	2.55	46.88
Channing		0.85	0.04				3.34	1.32	1.26			0.00	
Childress	0.70	0.50	0.21	4.95	6.60		4.23				2.64	T.	
Chillicothe		T.	0.28	3.51	6.60	8.41	5.68	T.	2.22	1.88	4.13	0.00	
Clarendon	1.03	0.65	0.79	2.21	4.31	3.10	1.93	0.85	3.67	0.69	1.67	0.00	20.90
Clarksville	3.50	3.38	2.21	10.25	8.52	6.62	6.78	3.97	5.38	0.20	2.31	1.28	54.40
Claude		1.50	T.	5.40	2.80	1.90	4.10			1.00		0.02	
Claytonville	0.40	T.	0.56	5.36	7.25	1.29	3.72	1.75	2.35	0.53	3.85	0.00	27.06
Coleman	0.40	0.80	2.25	10.63	9.74	1.05	3.93	2.82	3.58	1.89	2.85	0.00	39.94
Colorado	0.45	0.08	0.33	5.73	5.61	0.52	3.71	1.22	1.64	0.62	1.71	0.00	21.52
Columbia	2.55	5.72	1.58	2.54	2.95	7.57	4.74	4.65	10.22	1.41	2.15	3.62	49.70
*Columbus	1.16	3.70	1.40	6.28	3.40	6.56	3.40	1.52	3.49	1.38	2.40	1.58	36.34
*Corpus Christi	0.40	1.09	0.53	4.40	2.34	0.54	1.62	1.55	2.44	0.42	1.70	1.97	19.00
*Corsicana	0.56	3.52	1.83	4.90	9.46	1.36	0.51	6.20	4.36	1.55	1.79	1.72	37.76
Crockett	3.09	5.28	2.30	6.23	6.79	0.80	0.96	5.12	3.45	2.23	2.73	1.06	40.04
Cross Bar Ranch	0.00	1.10	0.50	3.85		8.45		2.09	2.90				
*Cuero	0.51	2.65	1.66	4.69	5.70	3.04	1.49	2.94	5.39	1.02	6.13	3.51	38.73
Danevang	1.30	2.75	1.90	4.95	2.65	2.60	2.60	2.85	5.65	3.23	3.10	2.60	37.18
Dalhart	T.					2.83	3.89	1.08	0.39	0.29			
*Dallas	0.79	3.86	3.75	7.27	6.61	2.51	3.43	2.00	1.96	2.65	2.08	0.18	37.09
Decatur	0.50	1.75	2.34	6.66	6.72			1.25	6.65	2.50	1.63		
*Del Rio	0.50	0.60	0.53	2.82	3.47	0.64	2.45	3.54	0.23	2.32	0.69	0.23	18.02
*Denison		1.90	5.90	9.22	5.07								
Dilalville	3.32	6.74	2.68	7.53	7.51	1.66	2.56					3.78	
*Dublin	0.53	1.24	2.47	12.78	6.96	1.15	2.44	2.25	3.37	4.21	2.10	0.00	39.50
Duval	1.15	4.03	2.12	2.24	9.45	1.61	0.56	1.48	2.65	2.30	1.85	3.26	32.20
Eagle Pass	0.15	0.50	0.71	3.06	3.80	0.10	1.35	3.62	0.20	1.12	0.92	0.15	15.68
*El Paso	0.10	0.26	0.35	0.58	0.01	0.00	2.07	2.55	T.	0.12	0.45	0.13	6.94
Encinal	0.35	0.20	0.97	8.75	1.08	0.18	3.82	2.13	1.98	2.18	1.37	0.00	23.01

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
Fairland								3.11	2.83	1.38	1.56	0.63	
Falfurrias	1.15	0.45	1.14	3.38	2.58	1.91	1.99	1.69	0.83	2.28	2.59	2.25	22.24
Flatonia	1.35	3.96	1.82	4.10	4.26	4.16	3.74	2.73	2.30	1.14	4.83	2.05	36.44
Fredericksburg	0.69	2.08	2.25	3.36	3.86	0.10	1.16	1.74	1.86	1.51	2.48	0.65	21.74
Fort Clark	0.00	0.70	0.94	2.22	4.93	0.01	1.87	2.98	0.24	2.20	1.77	0.20	18.06
*Fort McIntosh	0.10	0.43	1.76	5.00	5.00	0.00	2.43	1.46		1.56	1.65	0.55	
Fort Stockton	0.15	0.00	0.44	0.78	1.03	0.20	6.58	2.69	T.	0.10	0.34	T.	12.31
*Fort Worth	0.96	2.45	2.95	9.63	10.69	2.90	2.66	2.74	3.52	4.49	2.05	0.03	45.07
Fort Worth	1.10	2.45	3.10	9.51	8.96	3.14	2.40	2.94	2.92	4.41	2.22	0.04	43.19
Gainesville	0.61	2.43	1.83	8.05	10.65	7.77	3.72	0.38	6.14	6.63	1.80	1.10	51.11
*Galveston	2.15	3.35	0.69	1.44	3.40	0.54	7.28	4.16	14.64	0.34	1.28	2.74	42.01
Gatesville	0.30							1.14	1.00	1.70	1.20	0.60	
Georgetown	1.10	2.97	1.09	4.44	8.49	2.56	0.09	1.65	0.95	1.77	1.51	2.07	28.69
*Gonzales	0.87	4.18	1.60	4.71	4.18	7.68	1.28	3.84	2.49	2.80	2.95	2.98	39.56
Gorham	0.40	2.40	2.20	7.42	11.01	0.98	1.78	0.94	2.12	1.17	1.32	1.86	33.60
Graham	0.45	0.51	1.63	6.86	6.61	2.98	4.53		3.35	1.28	2.62	T.	
Grapevine	0.98	3.07	3.89	11.37	11.30	4.80	3.26	2.50	2.32	5.15	2.17	0.09	50.90
*Greenville	0.36	2.94	2.43	4.13	5.87	2.56	1.72	2.05	3.03	1.70	1.67	0.55	29.01
Halletsville	0.83	6.81	1.49	5.93	3.45	4.96	1.94	1.27	3.52	1.56	3.45	2.02	37.23
Haskell	0.48	0.44	1.49	7.06	5.41	1.77	3.79	0.99				0.00	
Hebbronville	0.36	0.23	0.44	3.78	1.01	0.00	2.23	3.75	1.30		1.25	0.65	16.98
*Hempstead	1.48	6.14	2.87	4.18	7.65	1.88	2.00	3.32	3.44	3.99	1.97	1.32	40.24
Henderson							3.01	3.95	3.95	0.64	1.17	3.31	
*Henrietta	1.36			8.05	7.57	7.13	3.95	0.50	4.63	1.96	3.53	0.00	
Hereford	0.70	1.00	0.00	1.10	4.24	1.98	2.03	4.06	3.13	0.40		0.00	19.45
Hewitt	0.57	3.25	2.35	7.25	11.65	1.18	1.70	1.89	1.24	1.11	1.69	2.41	36.29
Higgins	0.20	2.48	1.22	1.40	2.84	7.00							
Hillsboro		2.00	1.90	9.20	10.90	0.50	2.13	1.07	1.12	2.18	1.57	0.50	
Hondo City	1.05	1.23	1.57	2.56	9.06	0.15	2.04	2.98	2.55	2.62	2.01	1.08	28.90
*Houston	2.72	9.01	2.78	3.09	3.93	3.57	6.52	3.82	7.28	1.76	2.47	2.16	49.11
Hubbard	0.78		1.83	8.01	10.40	0.37	1.34	2.27			2.40		
*Huntsville	1.83	5.26	1.95	7.71	10.92	1.58	0.73	1.31	4.37	2.35	4.23	0.47	42.71
Jewett	2.16	4.92	3.25	7.13	7.39	1.20	0.50	6.56	4.58	2.49	1.64	1.92	43.74
Junction	0.27	1.21	1.33	3.80	4.71	0.90	2.88	5.90	2.62	1.10			
Kaufman	1.30	3.52	1.64	4.86	8.24	2.54	2.01	16.07	2.20	4.23	1.96	0.75	49.32
Keene	1.16	2.76	2.42	8.85	8.78	1.43	2.17	0.20	3.01	1.62	1.81	0.21	34.42
*Kerrville	0.92	2.77	1.64	2.29	3.32	0.87	2.00	7.81	2.06	2.09	2.09	0.63	28.49
Knickerbocker	0.45	0.37	0.68	3.91	1.06	1.19	1.86	1.21	1.51	1.29	1.53	T.	15.06
*Kopperl	0.40	2.08	1.14	7.72	8.28	0.48	2.00	2.84	4.80	1.54	1.70	0.20	33.18
*Lampasas	0.40	3.28	2.02	3.70	7.09	0.25	2.12	2.40	3.53	3.55	1.54	1.02	30.90
La Parra		0.10	1.95	4.87	2.00	3.78	0.62	1.65	5.04	1.50	3.85	0.40	
Laureles Ranch		0.66	0.59	2.92	1.46	0.83	0.98	2.07		0.89	3.69	0.68	
*Liberty	3.65	8.00	2.35	9.50	4.30	5.95	4.10	3.66	6.32	2.24	1.66	1.31	53.04
Llano	0.01	2.05	0.24		4.07	0.06	0.02	0.10	1.19	1.02	0.17	0.05	
Llano Grande			T.	4.50		1.47	3.93	0.25	2.22	2.53	0.84	0.58	
*Long Lake	0.73	2.77	2.19	6.54	6.90	0.68	0.30	1.50	2.45	0.90	1.27	1.49	
*Longview	2.57	5.79	2.62	4.96	10.30	2.05	2.46	3.52	3.86	0.14	1.91	3.02	43.20
Lufkin	2.94	7.48	3.67	5.39	6.40	0.64	3.43	4.01	3.85	0.27	4.01	1.67	43.76
*Lulling	1.27	4.21	1.48	4.25	3.98	3.09	2.78	2.75	2.77	2.01	2.92	2.24	33.75
*Marble Falls	0.72	1.72	2.52	2.28	4.22	0.60	1.30	2.54	2.48	2.36	1.54	0.96	23.24
Marfa	0.00	0.00	0.35	1.75	0.00	2.00	3.70	2.95	0.00			T.	
Marshall							3.75	4.87	6.98	0.17	1.73		
McLean	0.63	0.91	0.47	2.46	3.86	4.49	3.12	2.41	2.21	1.94	1.27	0.00	23.77
Memphis	0.20	0.00	0.00	3.28	4.91	2.86	2.79		1.50	1.60	1.30	T.	
*Mexia	1.22	3.76	2.22	7.63	7.39	3.65	0.92	5.04	2.47	0.66	2.00	3.74	40.70
Miami	0.38	1.07	0.40	1.61	3.79	6.91	1.18	3.79	1.63	1.17	1.81	0.00	23.74
Mount Blanco	0.49	0.24	0.00	2.98	5.32	1.60	2.29	1.98	1.18	0.28	1.25	0.00	17.61
*Nacogdoches	2.31	6.37	3.40	4.12	6.87	0.92	2.46	3.92	5.59	0.12	2.98	1.56	40.62
Nazareth	0.49	0.26	0.01	1.01	5.54	2.25	3.88	1.59	4.82	0.52	0.60	0.00	20.97
New Braunfels		3.19	1.88	3.52	3.90	0.21	0.43		3.78	3.04	1.58	3.98	
Ochiltree		1.50		1.50	1.08	5.89	1.20	2.25	0.85	0.00	2.30	0.00	
*Palestine	1.74	4.45	2.24	5.13	7.86	2.22	1.17	2.69	2.32	1.15	1.07	1.75	33.79
Pampa				2.50	3.35	3.95	1.65						
Panter	0.88	1.62	3.41	8.55		1.49	2.42	0.52	3.29	1.93	1.37	0.26	
*Paris	2.04	2.55	2.81	9.53	8.77	8.50	3.60	1.30	5.20	1.43	1.92	0.62	48.27
Pierce	1.78	6.93	2.85	4.62	2.37	6.78	2.24	9.69	10.03	2.07	2.86	3.77	55.99
Plainview									0.70	1.00	1.39	T.	
Plemons	0.06	0.52	0.05	2.81	1.30	1.81	2.50	1.29	1.16	0.28	0.77	0.00	12.55
Port Lavaca	1.52	5.05	0.37	4.48	2.80	2.22	3.01	2.23	2.85	1.87	3.34	3.12	32.86
*Quanah	0.70	0.20	0.00	1.50	6.70	3.49	2.99	0.57	0.81	1.36	1.91	0.00	20.23
*Riverside	1.71	4.60	2.25	8.51	9.42	0.73	3.42	1.73	4.93	2.93	3.09	T.	43.32
Robert Lee			1.60	8.53	4.02	2.24	3.25	0.80	1.96	1.98	2.87	0.00	
*Rockland	3.86	7.71	3.51	5.88	5.88	5.76	1.94	9.01	3.90	1.75	5.34	2.33	55.60
Rossville	0.36	1.84	1.59	4.93	6.68	0.77	1.99	2.87	1.81	4.02	3.39	1.65	31.90
Runge	0.33	1.59	0.51	4.56	6.20	5.31	1.28	3.18	1.88	2.09	2.56	2.36	31.76
Sabinal	0.90	1.12	1.82	4.15	10.37	0.39	1.82	9.27	5.03	0.59	1.86	0.34	37.66
Sonora	0.35	0.65	0.77	5.02	0.43	1.65	6.22	2.39	1.83	0.78	1.76	0.16	22.01
San Angelo	0.28	0.32	1.23	6.54	1.59	1.33	2.64	3.53	1.65	1.20	2.32	T.	22.63
*San Antonio	1.01	2.42	1.31	2.87	6.07	0.30	0.66	4.27	3.92	1.47	2.61	1.61	28.52
San Antonio	0.52	2.61	1.27	2.39	4.86	0.88	1.37	3.79	2.59	1.62	2.87	1.50	25.27
*San Marcos	0.86	3.87	1.25	2.45	3.58	0.50	1.65	1.90	3.09	2.94	3.00	5.13	30.22
San Saba	0.37	2.31	2.41	6.04	8.10	0.93	2.74	1.98	4.08	1.52	1.81	0.30	32.59
Santa Gertrudes	0.00	1.80	1.80	4.59	1.10	2.12	2.04	2.54	0.00	1.26	3.10	0.98	21.93
Seymour	0.68	0.31	0.43	5.40	7.81	2.77	4.58	1.44	1.31	0.50	2.72	T.	27.95
*Sherman			5.12	7.17	7.37	7.86	7.10	1.02	5.26	4.96	0.25	T.	
Somerville	0.04	4.60								1.60		0.35	
Sugarland	2.48	7.10	2.63	3.57	3.20	5.24	5.66	9.80	3.99	3.37	2.76	2.83	52.63
Sulphur Springs	1.51	3.77	3.33	8.24	9.86	4.76	6.03	1.37	3.30	1.65	2.65		
*Taylor	0.83	4.41	2.04	3.36	8.03	1.30	0.35	1.67	4.30	1.36	2.42	4.25	34.32
*Temple	1.02	3.11	2.78	7.49	11.70	0.80	1.61	1.38	3.54	1.17	2.71	2.84	40.15
Temple	1.00	3.06	2.20	7.15	11.00	0.75	1.52	1.37	3.47	0.88	2.67	2.87	37.94
Texline	0.00	0.35	0.00	1.10	0.58		1.35	4.30	0.10	1.00		0.00	
Tilden				4.56	1.47	T.					1.63		
Tulia	0.95	1.20	0.32	0.85	4.08	1.80	4.09	6.67	1.85	1.85	1.50	T.	25.16
Uvalde		1.55	1.48	3.16	6.90	1.28	3.57	5.11	1.48	0.63	1.58	0.57	
*Valley Junction	1.70	4.68	2.44	2.82	5.04	1.25	1.20	3.09	3.00	2.00	1.40	1.70	30.32

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Texas—Continued.													
*Victoria	1.25	6.24	1.56	4.65	4.55	4.85	1.82	3.31	1.11	2.46	4.61	3.80	40.21
*Waco	1.02	4.43	3.14	8.90	10.51	1.54	2.66	3.06	3.72	1.74	2.46	3.04	46.22
*Waxahachie	0.59	2.27	2.47	6.40	9.01	1.45	4.20	4.06	2.46	2.02	2.16	0.37	37.46
*Weatherford	1.56	1.80	2.96	9.06	8.47	4.94	1.59	1.28	3.19	2.51	1.46	0.26	39.08
*Wharton	1.30	7.00	2.50	3.10	2.80	3.80	3.85	6.53	6.90	2.27	2.00	.....	.....
Wichita Falls	0.05	0.11	0.07	0.84	.....	6.90	5.06	.....	0.84	1.77	2.01	.....	.....
Wills Point	1.77	2.87	1.75	4.75	7.61	2.95	2.36	.....	2.41	1.90	2.19	1.46	.....
Utah.													
Alpine	1.06	.....	1.33	0.34	6.99	1.47	1.00	.....	.....	.....	.....	.....	.....
Annabella	1.12	.....	0.62	0.34	1.16	0.39	1.27	0.82	1.00	1.56	0.05	0.48	.....
Beaver	0.90	1.23	0.82	0.18	2.34	0.10	2.07	1.53	2.29	1.87	0.65	1.06	15.04
Black Rock	.....	.....	.....	T.	1.59	0.26	1.17	0.80	.....	3.31	0.60	.....	.....
Castle Dale	0.70	1.50	.....	0.86	1.25	.....	1.30	0.75	1.25	0.70	0.55	0.80	.....
Castle Rock	0.75	0.35	1.65	0.70	3.69	1.86	1.45	.....	.....	1.90	0.25	0.37	.....
Cedar City	0.55	1.44	0.77	0.38	1.16	0.15	2.45	1.23	2.30	2.31	0.32	0.67	13.73
Corinne	1.00	0.60	2.25	0.63	3.81	2.73	0.34	1.21	1.46	4.15	0.30	0.50	18.98
Coyote	0.35	0.40	1.10	0.25	0.90	0.13	1.20	0.17	1.40	1.85	0.10	.....	.....
Deseret	0.11	0.80	1.00	0.40	1.10	1.22	0.62	0.57	2.00	2.15	0.25	0.34	10.56
Dragon	.....	.....	0.92	0.37	.....	.....	.....	.....	.....	.....	1.50	.....	.....
Emery	0.10	0.80	T.	0.20	0.20	T.	0.77	2.00	1.05	1.02	0.40	0.40	6.94
Enterprise	2.53	2.56	1.09	1.56	1.37	0.03	0.70	2.43	1.22	2.45	0.30	0.73	16.97
*Escalante	1.60	1.17	0.05	0.48	0.63	0.08	0.20	1.06	1.61	1.39	0.17	1.40	9.84
Farmington	1.51	1.75	1.91	0.69	5.18	3.47	0.09	1.14	2.62	3.31	1.86	1.15	24.68
Fillmore	1.01	0.87	0.36	0.50	4.15	1.13	1.46	1.38	2.02	3.31	0.69	1.55	18.43
Fort Duchesne	0.39	0.70	1.10	.....	.....	0.77	0.13	1.14	1.62	1.26	0.40	1.40	.....
Frisco	.....	.....	1.30	0.30	1.58	0.49	0.42	1.00	1.87	1.57	0.00	0.60	.....
Garrison	0.25	0.89	0.16	0.10	0.47	0.10	0.65	0.56	2.01	1.41	0.33	0.26	7.19
Government Creek	0.91	1.13	1.86	0.65	3.07	1.32	0.62	0.46	3.22	1.68	1.40	0.72	17.04
Grantsville	0.36	0.53	0.70	0.75	2.45	1.60	0.75	1.53	2.45	1.39	0.75	.....	.....
Grayson	1.03	2.93	0.50	T.	0.63	0.20	0.80	1.80	2.30	2.80	1.15	6.20	20.34
Green River	0.30	0.50	0.70	0.00	0.34	T.	0.70	1.50	1.37	0.40	T.	0.65	6.46
Heber	0.84	0.78	1.58	0.50	2.58	1.42	1.57	1.46	2.32	2.68	0.80	0.90	17.43
Henefer	0.90	0.46	2.64	0.84	3.25	2.20	1.68	0.55	3.36	2.28	0.69	1.00	19.85
Hite	0.31	1.43	0.84	0.20	0.28	0.14	1.06	1.14	0.63	1.29	0.18	1.83	9.33
Huntsville	1.32	0.83	1.84	0.76	3.18	3.21	0.31	0.84	2.48	3.74	0.78	0.79	20.08
Ibapah	1.37	3.76	0.92	.....	.....	0.95	1.14	0.97	.....	0.72	0.19	T.	.....
Kanosh	0.89	1.21	0.67	0.58	3.69	0.58	2.47	1.86	2.13	3.50	0.71	1.11	19.40
Kelton	0.10	0.60	T.	0.15	1.25	1.90	0.05	0.07	0.14	1.90	0.10	0.50	6.76
La Sal	.....	.....	.....	1.14	0.91	0.30	0.62	2.26	1.20	2.24	.....	1.55	.....
Levan	0.82	1.19	1.00	0.31	4.35	1.15	1.06	1.55	2.89	1.87	0.63	1.40	18.22
Loa	0.60	0.30	0.20	0.60	.....	0.00	1.15	0.17	0.60	0.70	0.00	0.60	.....
Logan	0.78	0.81	1.76	0.34	3.71	2.60	0.87	1.07	1.32	4.01	1.37	0.13	18.77
Lucin	.....	.....	T.	0.00	0.42	0.21	T.	T.	0.05	0.20	0.05	T.	.....
Manti	.....	.....	.....	.....	.....	2.12	1.06	1.39	2.22	2.00	0.50	0.75	.....
Marion	0.78	1.34	1.43	0.44	4.18	2.26	0.77	1.88	.....	.....	.....	0.92	.....
Marysvale	0.74	0.87	0.65	0.04	1.25	0.26	2.21	1.77	2.26	1.17	0.07	0.90	12.19
Meadowville	0.92	1.17	2.01	0.25	2.39	2.66	0.20	1.76	2.07	4.25	0.50	0.80	18.98
Milford	0.27	0.90	0.45	0.60	0.50	0.00	.....	.....	1.07	.....	0.10	1.10	.....
Millville	0.68	0.85	1.65	0.59	3.66	2.43	0.46	0.81	1.73	4.20	0.89	0.42	18.37
Moab	0.34	1.71	0.95	0.36	0.41	0.20	1.54	1.29	0.73	2.49	0.86	1.49	12.37
*Modena	1.62	1.47	1.10	0.76	1.50	0.37	2.76	2.76	1.64	1.76	0.03	0.85	16.62
Morgan	0.81	0.61	2.80	0.78	4.16	1.81	1.39	0.43	2.22	3.64	1.03	1.20	20.88
Moroni	.....	.....	.....	.....	2.81	1.55	0.66	2.60	2.55	2.21	0.26	1.30	.....
Mount Nebo	.....	.....	1.23	0.26	2.42	0.74	1.17	0.44	1.50	2.39	0.33	0.73	.....
Mount Pleasant	0.36	0.92	0.57	.....	.....	.....	.....	.....	2.28	1.70	0.20	.....	.....
Nephi	0.79	1.21	1.28	0.44	4.46	1.23	0.61	1.31	2.62	1.63	0.66	0.66	16.84
Nephi (near)	0.81	1.11	1.12	0.29	3.64	0.64	0.55	3.41	2.27	2.13	.....	0.62	.....
Oak City	0.66	0.71	1.15	0.57	3.29	0.59	0.56	0.87	2.34	2.55	0.52	0.86	14.67
Ogden (1)	0.68	1.35	1.01	0.39	4.92	3.28	T.	0.55	2.42	4.94	2.05	0.97	22.56
Ogden (2)	0.87	0.90	1.59	0.35	5.02	3.11	0.04	0.69	2.15	4.06	1.27	0.39	20.44
Panguitch	.....	.....	.....	.....	.....	.....	1.15	1.63	0.31	2.76	0.80	1.10	.....
Park City	1.05	1.00	2.20	0.45	1.57	1.59	1.80	0.69	2.34	1.53	0.62	.....	.....
Parowan	0.86	1.19	0.62	0.39	1.16	0.16	2.16	0.49	1.64	1.61	0.50	1.02	11.80
Payson	1.19	0.93	1.72	0.65	5.52	1.61	0.50	0.69	2.93	3.39	0.88	1.89	21.90
Pinto	1.20	2.40	1.59	2.10	0.95	0.09	2.15	3.45	2.53	2.24	0.25	0.90	19.85
Promontory	0.70	0.60	1.25	0.50	1.71	1.74	0.05	0.09	0.08	1.10	0.40	0.60	8.82
Provo	.....	1.08	1.68	.....	3.48	1.06	0.32	0.15	2.77	3.25	1.20	0.75	.....
Ranch	.....	3.08	2.88	1.00	1.08	T.	2.22	2.05	1.74	2.62	0.22	2.34	.....
Randolph	0.34	0.37	0.70	0.31	1.00	2.15	1.57	2.16	1.66	1.72	0.50	0.40	12.88
Richfield	0.15	0.40	0.10	0.30	0.41	1.40	2.40	1.75	1.15	1.45	T.	0.50	10.01
St. George	1.84	1.54	0.72	0.36	0.61	0.00	0.80	1.66	0.91	0.67	0.10	1.28	10.49
Saltair	0.89	1.16	1.20	0.26	4.08	1.82	0.15	0.78	2.40	2.73	1.53	0.95	17.93
*Salt Lake City	0.63	1.24	1.79	0.80	5.76	1.81	0.25	1.39	2.72	2.07	1.91	0.45	20.82
Scipio	0.16	1.09	0.94	0.46	3.56	0.68	0.98	1.48	2.09	3.33	0.46	0.74	15.97
Scofield	.....	.....	.....	.....	.....	.....	.....	1.65	3.37	2.95	1.02	1.88	.....
Silver Lake	.....	.....	.....	.....	.....	.....	.....	.....	4.22	4.66	.....	.....	.....
Snowville	0.30	0.70	0.65	0.40	3.07	1.84	0.35	0.69	0.42	2.90	0.40	0.30	12.02
Springdale	1.94	3.14	1.46	0.61	1.24	0.00	0.65	1.57	1.65	1.23	0.50	2.04	16.03
Strawberry Valley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.80	.....	.....
Sunnyside	0.80	1.45	0.80	0.50	1.74	1.42	0.16	1.30	1.60	1.05	1.25	1.00	13.07
Teasdale	.....	.....	0.10	0.91	0.60	0.07	1.63	1.77	1.19	.....	0.10	0.55	.....
Theodore	0.52	0.88	0.26	0.96	0.45	0.65	0.38	1.19	1.17	1.03	0.25	0.85	8.59
Thistle	0.60	1.81	1.12	0.20	1.66	1.77	1.71	0.08	1.75	1.50	0.70	0.14	13.04
Tooele	0.97	1.34	1.39	0.65	5.48	1.29	0.65	2.05	3.85	2.48	2.34	1.01	23.50
Tropic	0.19	0.23	0.07	0.08	0.90	0.26	.....	1.27	1.36	.....	0.01	0.15	.....
Trout Creek	0.50	1.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Utah Lake	0.81	1.42	1.39	.....	4.59	.....	.....	1.38	.....	2.41	.....	.....	.....
Verdure	.....	.....	.....	0.61	.....	.....	1.54	2.06	.....	.....	.....	.....	.....
Vernal	.....	.....	.....	.....	.....	.....	.....	0.84	1.89	2.46	0.55	0.80	.....
Wellington	0.90	1.40	.....	0.00	0.49	.....	.....	.....	.....	.....	0.49	1.29	.....
Woodruff	0.85	0.25	1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Vermont.													
Bloomfield	1.67	2.00	2.13	2.10	3.74	3.97	4.63	5.12	0.89	1.50	1.69	2.40	31.84
Burlington	1.54	2.27	1.74	1.93	3.47	2.46	2.66	1.70	1.15	1.95	1.03	1.59	23.49
Cavendish	1.25	3.18	1.74	.....	6.65	1.36	2.34	5.34	.....	.....	0.85	.....	.....
Chelsea	0.96	3.96	1.61	2.57	3.25	3.00	1.66	3.20	1.13	2.08	1.65	2.38	27.45
Cornwall	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.23	0.96	.....	.....
Enosburg Falls	1.78	2.89	2.71	2.43	6.26	2.79	2.51	2.50	1.16	2.47	1.86	2.54	31.90
Jacksonville	3.86	4.09	1.20	2.57	3.43	1.84	4.61	3.33	0.83	2.20	0.96	2.46	31.38
Manchester	1.55	3.12	2.90	3.99	4.86	2.88	3.18	4.60	0.63	2.02	1.16	1.42	31.41
*Northfield	1.93	4.44	2.17	2.20	3.73	2.68	2.95	3.73	0.35	1.99	1.18	2.62	29.07
St. Johnsbury	2.09	3.94	1.97	2.27	3.75	4.78	3.11	5.21	0.68	1.66	1.10	2.67	33.23
Wells	1.97	3.42	1.89	2.96	3.88	2.87	3.02	3.59	0.81	2.74	1.00	2.28	30.43
Woodstock	2.29	4.20	1.24	4.39	5.12	2.54	3.19	2.67	1.03	1.33	1.09	2.71	31.80
Virginia.													
Arvonia	3.74	5.01	2.81	2.73	3.09	5.30	3.46	6.66	3.81	2.96	1.09	4.59	45.25
Ashland	4.09	3.34	2.94	2.75	3.89	4.69	9.13	3.07	2.51	4.22	2.34	3.68	46.65
Big Stone Gap	2.97	4.18	5.92	4.60	3.79	2.73	3.88	4.24	4.00	2.45	2.26	6.05	47.07
Blacksburg	3.28	3.62	3.51	4.41	5.67	4.26	4.85	4.86	3.07	6.41	1.44	2.06	47.44
Bristol	3.00	3.34	3.65	4.83	4.55	4.55	4.37	3.05	1.90	2.25	2.60	6.09	44.18
*Buchanan	3.89	3.23	2.75	1.64	3.97	2.87	5.39	6.56	3.77	5.10	1.59	2.94	43.70
Burkes Garden	4.00	3.68	6.41	5.53	6.69	6.06	3.32	4.50	3.26	5.27	2.64	5.33	56.69
Callaville	7.07	3.75	6.10	3.07	3.99	.....	.....	.....	2.03	1.65	2.02	5.13	.....
*Cape Henry	2.31	2.19	4.36	2.06	4.64	3.02	3.52	6.01	2.42	1.60	0.93	2.73	35.79
Charlottesville	3.45	5.46	2.62	2.03	5.14	6.01	5.36	5.55	4.45	3.78	0.93	4.08	48.86
*Clarksville	3.86	3.95	4.21	1.72	5.50	6.81	2.65	8.78	3.19	5.14	1.42	4.92	52.15
*Columbia	3.69	5.54	2.47	2.75	4.65	4.03	6.24	7.50	3.45	3.55	1.35	4.33	49.55
Culpeper	3.91	4.11	2.37	1.32	5.97	4.94	4.46	6.25	3.93	2.45	0.94	2.70	43.35
Dale Enterprise	3.20	3.00	2.09	1.73	8.24	4.92	3.09	4.96	2.61	2.28	1.06	1.81	38.99
*Danville	3.23	3.79	2.51	1.84	4.34	3.67	3.00	7.36	1.91	3.17	1.63	4.48	40.93
Dinwiddie	5.42	3.60	5.11	3.07	4.10	4.27	5.76	10.05	2.79	2.30	1.56	6.10	.....
Doswell	2.74	4.09	2.75	1.57	.....	5.14	8.23	5.26	.....	[b]2.55	1.44	.....	.....
Elk Knob	2.91	5.05	5.65	4.37	3.66	2.58	8.14	7.05	2.82	2.87	2.09	5.93	53.12
Fredericksburg	[a]2.30	4.01	2.58	1.31	4.45	5.15	8.06	7.81	3.34	3.43	1.07	4.11	.....
Galax	.....	4.82	2.14	4.33	.....	.....	[c]2.29	8.70	1.44	8.10	1.07	3.05	.....
Hampton	3.45	3.27	5.43	[i]0.82	3.86	5.70	5.91	9.59	1.93	.....	2.42	3.23	.....
Hot Springs	3.82	3.84	5.01	2.70	4.38	4.37	3.67	4.28	1.74	4.62	1.15	2.51	42.09
*Ivanhoe	4.26	3.50	2.74	4.70	3.97	4.66	6.09	6.58	1.28	6.82	1.25	3.76	49.61
Ivor	.....	.....	.....	.....	.....	.....	6.49	8.34	2.86	2.41	1.51	3.72	.....
Lexington	3.02	3.45	3.95	2.80	3.31	3.04	4.81	6.10	3.14	3.42	1.35	3.11	41.50
Lincoln	3.66	3.87	2.00	2.28	6.92	3.25	5.72	7.02	1.76	2.31	0.69	2.17	42.25
*Lynchburg	4.37	2.85	2.51	2.96	3.86	4.66	4.49	6.55	2.22	3.52	1.18	3.54	42.71
Marion	3.85	3.02	3.70	3.75	3.57	4.78	3.07	4.41	2.12	4.09	2.31	4.62	43.29
Max Meadows	3.46	3.04	2.19	4.41	3.69	.....	.....	4.56	1.26	7.34	[c]0.82	.....	.....
*Mendota	2.58	3.06	5.57	4.07	4.46	4.46	2.80	4.24	2.15	3.47	2.41	5.06	44.33
*Mount Weather	3.94	3.85	2.02	1.84	5.86	3.86	3.15	7.40	2.27	3.24	0.44	1.68	39.55
New Castle	6.59	2.77	3.76	3.91	7.34	5.52	4.34	5.31	3.11	8.54	1.57	.....	.....
Newport News	4.05	3.53	5.65	1.14	5.18	5.29	5.94	8.51	2.27	2.40	1.26	4.22	49.44
Nokesville	5.00	4.45	2.05	1.24	3.80	3.39	6.80	5.79	2.53	2.04	0.40	2.64	40.13
*Norfolk	2.92	2.79	4.50	3.26	3.99	4.56	5.78	8.00	2.28	2.36	0.83	2.98	44.25
Petersburg	4.40	4.83	3.94	3.27	4.80	4.29	6.59	11.68	2.79	2.58	1.49	3.83	54.49
Quantico	5.20	4.18	2.28	1.20	3.45	4.07	4.25	7.67	5.05	3.00	0.99	4.89	46.23
*Radford	3.06	2.68	4.00	5.04	4.54	2.68	4.96	.....	2.88	5.10	2.10	4.94	.....
*Randolph	4.06	3.38	3.38	1.68	5.14	4.82	4.77	.....	4.63	5.79	.....	.....	.....
*Richmond	4.39	3.92	2.96	2.73	6.71	5.72	4.37	10.40	2.74	2.87	1.25	4.72	52.78
*Riverton	3.02	2.14	1.52	0.40	.....	.....	3.78	.....	.....	.....	.....	.....	.....
Roanoke	4.02	3.80	3.06	2.74	.....	.....	5.20	.....	.....	.....	.....	.....	.....
*Rocky Mount	4.41	5.46	2.41	3.41	4.69	6.81	3.93	5.46	2.14	5.90	1.00	.....	.....
Sabot	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.48	0.95	5.02	.....
Saxe	3.90	3.75	3.56	2.43	4.32	4.46	6.53	6.51	2.35	3.33	1.13	3.29	45.56
Shenandoah	3.14	3.45	2.01	1.36	5.87	3.81	2.70	4.53	2.19	2.84	0.59	1.93	34.42
*Speers Ferry	3.87	6.44	6.73	4.34	4.16	3.50	5.34	4.38	1.98	2.72	2.72	8.10	54.28
Spottsville	4.13	4.14	5.71	2.54	4.16	5.26	6.88	6.88	1.90	3.31	1.37	4.34	50.72
Staunton	4.21	3.07	2.37	1.79	5.15	4.33	6.76	6.24	3.25	4.25	0.99	2.17	44.58
Stephens City	2.91	2.65	1.94	2.19	3.95	4.04	5.07	4.34	2.07	.....	0.78	1.35	.....
Warsaw	3.40	3.63	3.68	2.99	2.97	4.97	9.31	7.26	2.45	2.03	1.25	4.09	48.03
Williamsburg	4.44	4.50	6.15	3.08	3.95	5.32	5.65	[17].89	1.79	2.52	1.70	4.06	.....
*Woodstock	3.02	3.43	1.77	1.80	6.17	3.11	4.70	5.92	2.02	2.15	0.86	1.52	36.47
*Wytheville	3.97	2.56	2.66	4.89	4.10	5.74	6.30	3.74	2.08	6.50	1.78	3.88	48.20
Washington.													
Aberdeen	10.95	9.01	.....	7.61	4.95	1.84	0.12	2.58	0.27	5.48	11.09	10.72	.....
Anacortes	3.23	3.24	3.77	1.58	2.17	1.17	0.75	1.58	0.18	4.73	2.41	3.09	27.90
Baker	5.73	6.14	9.44	4.58	2.14	.....	.....	.....	.....	.....	.....	.....	.....
Bellingham	2.18	3.43	4.61	1.46	2.61	0.83	0.80	0.77	T.	3.52	3.05	2.84	25.80
Blaine	4.94	4.43	5.97	1.54	2.76	0.28	1.29	1.70	0.48	4.43	5.77	6.01	39.60
Bremerton	6.34	5.33	3.36	3.13	3.24	0.40	0.18	0.92	0.17	2.73	8.08	5.47	39.35
Cedar River	5.07	5.74	6.67	3.65	6.21	2.37	1.00	3.05	0.48	5.73	6.03	7.27	53.27
Centralia	5.31	5.59	6.49	4.19	4.05	1.00	0.49	1.53	0.25	3.26	5.53	8.95	46.64
Cheney	1.77	1.15	0.30	1.62	1.40	0.43	0.35	0.82	0.10	2.82	1.18	1.80	13.74
Chopaka	.....	1.07	0.63	0.24	1.87	1.38	1.68	.....	.....	0.65	0.47	0.46	.....
Clearbrook	4.81	4.93	7.15	2.99	3.09	0.50	1.51	2.71	0.52	4.98	6.19	6.44	45.72
*Clearwater	19.11	16.89	25.09	10.72	.....	.....	.....	2.80	3.19	8.05	18.08	.....	.....
Cle Elum	2.05	2.35	4.04	1.48	1.54	0.51	1.18	0.34	0.11	1.55	1.07	2.93	19.15
Colfax	1.06	2.77	1.98	1.22	1.47	0.66	0.22	0.53	0.42	2.49	1.22	1.08	15.12
Colville	1.62	1.93	0.18	1.22	2.26	1.03	0.55	0.85	0.00	1.40	0.89	1.49	13.42
Conconully	1.57	1.03	1.23	0.12	2.89	1.18	1.33	0.88	0.29	0.97	1.78	0.76	14.03
Coupeville	1.52	1.97	2.85	1.39	1.41	1.30	0.77	1.01	0.43	1.11	1.23	1.51	16.50
Crescent	1.35	1.72	0.56	0.60	1.38	0.38	0.50	0.60	0.17	2.09	1.26	.....	.....
Cusick	4.00	4.30	1.80	2.50	4.45	2.85	.....	.....	.....	.....	.....	.....	.....
Dayton	0.82	2.75	2.59	0.88	0.92	0.27	0.50	0.29	0.71	3.54	1.90	1.08	8.80
Detroit	6.94	7.79	8.09	4.51	4.51	0.79	0.33	1.89	0.51	4.24	8.53	9.04	57.17
Dueksbush	15.05	10.47	7.60	4.83	.....	.....	0.45	2.02	0.67	7.44	28.10	12.08	.....
East Sound	3.78	3.88	3.80	0.92	1.48	0.20	0.52	1.16	0.88	3.80	2.68	5.26	28.36
Ellensburg	0.82	0.79	0.61	0.18	1.42	0.10	1.67	0.04	0.04	1.31	0.70	0.42	8.10
Ephrata	.....	.....	.....	.....	0.65	0.10	0.56	T.	T.	1.45	0.38	0.20	.....

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Washington—Continued.													
Forks	21.95	21.05	24.90	9.90	6.08	3.53	0.84	2.85	.....	.....	.....	.....	.....
Fort Simcoe	.....	0.03	0.52	0.35	1.27	0.00	0.12	0.17	0.00	0.98	.....	0.43	.....
Galena	7.02	7.15	8.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Goldendale	.....	0.41	0.68	0.41	1.20	T.	0.02	0.40	.....	1.90	.....	.....	.....
Granite Falls	.....	.....	.....	.....	3.89	4.12	1.20	3.62	0.93	4.71	5.08	5.75	.....
Hatton	0.93	0.69	0.05	0.23	0.42	0.12	0.60	0.15	0.01	1.45	0.79	0.56	6.00
Huntsville	0.91	1.97	1.55	0.71	0.82	0.27	0.51	0.22	0.36	2.90	1.27	1.23	12.72
Kennewick	0.32	0.36	0.12	0.23	0.13	.....	0.90	T.	T.	1.18	0.33	0.25	.....
Kiona	0.30	0.14	0.27	0.03	0.29	0.36	0.85	0.13	T	1.94	0.71	0.58	5.60
Kosmos	4.93	7.31	10.91	5.49	4.82	1.88	0.40	1.64	0.40	7.00	5.20	6.75	56.73
La Center	5.65	3.87	6.98	4.10	5.72	1.46	0.10	2.41	0.52	6.31	4.26	5.33	46.71
La Crosse	.....	.....	0.89	0.78	1.19	0.20	0.87	0.30	0.29	2.31	1.21	0.97	.....
Lake Chelalum	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.48	2.41	2.80	.....
Lake Kachess	.....	.....	.....	.....	2.47	1.34	1.80	0.92	0.46	3.83	3.11	8.19	.....
Lake Keechelus	8.65	8.05	12.30	5.45	2.76	1.45	1.90	1.32	0.35	5.10	4.50	11.00	62.83
Lakeside	1.36	0.71	0.85	0.10	1.05	0.10	1.14	0.04	0.08	0.94	0.77	0.55	7.69
Lester	3.40	5.80	8.74	3.37	4.16	1.47	1.53	1.43	0.17	6.25	2.95	7.60	46.87
Lucerne	.....	.....	3.79	0.83	0.75	0.00	.....	.....	.....	.....	.....	.....	.....
Lyle (Pine Hill)	1.64	1.46	2.02	0.66	1.14	.....	1.02	0.65	0.06	2.57	1.50	3.33	.....
Mottinger Ranch	0.68	0.85	0.86	0.35	0.81	0.15	0.30	0.19	0.09	1.39	0.97	0.58	7.22
Mount Pleasant	6.36	2.94	8.19	3.72	6.00	1.94	0.29	2.12	0.32	7.34	3.01	5.55	47.78
Moxee	0.55	0.16	0.26	0.10	0.76	0.13	0.80	0.03	T.	1.04	0.41	0.31	4.55
*North Head	6.08	5.11	6.23	3.34	3.63	1.89	0.82	2.02	0.53	3.45	5.39	6.53	45.02
Northport	2.07	1.98	0.95	1.62	3.10	1.46	1.60	0.99	0.08	2.00	1.07	1.97	18.89
Odessa	0.36	0.52	0.21	0.49	0.84	0.07	0.61	0.19	.....	.....	0.82	.....	.....
Olga	3.81	3.67	3.57	1.06	1.70	0.80	0.55	0.93	0.16	3.31	2.62	3.18	25.36
Olympia	6.63	8.00	8.38	4.75	2.68	0.21	0.41	1.28	0.19	4.26	6.75	9.84	53.38
Pomeroy	1.01	2.22	2.22	0.40	0.50	1.03	0.10	0.57	0.60	2.61	0.80	0.30	12.36
*Port Crescent	5.18	6.26	5.82	3.47	1.46	0.59	0.27	1.24	0.57	3.40	8.53	6.23	43.02
Port Townsend	2.10	2.93	1.87	1.16	1.20	1.59	0.59	0.91	0.08	1.24	1.27	1.27	16.21
Pullman (Ag. Col.)	1.33	2.88	2.12	1.46	1.52	0.97	0.10	0.68	0.90	2.30	1.30	2.04	17.60
Quinault	17.97	15.08	24.96	9.99	8.22	2.39	0.79	4.40	1.50	10.72	20.03	21.35	137.40
Republic	1.89	1.23	0.50	1.68	2.51	1.05	1.17	1.12	0.05	1.05	1.14	0.90	14.29
Rex Creek	2.81	2.62	2.47	1.11	0.86	0.10	.....	.....	T.	1.51	2.10	3.98	.....
Ritzville	0.69	0.92	0.54	0.50	1.00	0.12	0.70	0.21	0.05	2.73	1.03	1.42	9.91
Rock lake	1.44	1.51	0.64	.....	1.03	0.07	0.79	0.12	0.20	2.76	1.32	1.70	.....
Rosalia	1.84	1.96	1.58	0.90	1.45	.....	1.12	0.76	0.22	3.10	1.09	2.05	.....
Russell's Ranch	.....	.....	.....	.....	.....	.....	.....	1.43	0.05	2.98	3.17	3.41	.....
Scenic Hot Springs	.....	.....	.....	.....	3.81	1.55	.....	.....	.....	.....	.....	.....	.....
*Seattle	4.10	4.24	2.54	2.19	3.19	0.15	0.29	0.82	0.23	2.34	4.60	3.61	28.25
Sedro-Woolley	2.79	5.61	6.93	2.52	3.46	1.87	1.29	1.83	0.45	6.24	4.10	4.20	41.29
Six Prong	0.82	0.23	0.08	0.20	0.56	0.07	1.08	0.12	0.02	0.99	0.78	0.37	5.32
Snohomish	4.40	4.85	4.44	5.02	2.32	1.78	1.17	1.62	.....	.....	.....	.....	.....
Snoqualmie Falls	5.17	6.06	7.77	4.40	5.51	2.00	1.11	1.79	0.42	5.64	6.58	6.87	53.32
South Bend	8.67	9.21	12.60	8.21	3.51	2.65	0.90	3.20	0.40	5.63	6.92	13.70	75.60
*Spokane	1.87	1.36	0.51	0.54	0.86	0.39	0.83	0.57	0.10	2.30	1.13	1.56	12.02
Stehekin	.....	.....	.....	1.97	1.15	T.	1.73	0.24	T.	.....	4.32	.....	.....
Sulphur Springs	5.81	6.16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sumner	4.01	4.97	5.94	3.18	3.69	0.69	0.59	1.26	0.24	4.33	5.08	6.14	40.12
Sunnyside	.....	.....	.....	.....	.....	0.05	0.86	0.12	0.00	1.67	0.64	0.23	.....
*Tacoma	4.44	5.02	5.99	3.00	2.82	0.32	0.53	0.95	0.18	3.65	5.31	6.00	38.21
*Tatoosh Island	10.31	9.76	8.65	4.49	2.79	1.84	0.61	1.10	2.65	6.90	12.69	10.66	72.45
Treton	2.11	1.36	1.83	0.73	1.81	0.24	0.83	0.30	0.08	1.71	.....	.....	.....
Touchet	.....	0.28	0.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trinidad	0.90	0.31	0.00	T.	0.50	T.	1.27	T.	0.00	1.00	0.45	0.32	4.75
Twisp	1.94	1.41	0.56	0.02	.....	.....	.....	.....	0.01	0.59	.....	1.32	.....
Vancouver	4.20	2.80	3.85	3.05	4.31	0.80	0.08	1.68	0.16	4.40	3.26	4.18	32.77
Vashon Island	5.94	5.52	4.71	2.70	4.25	0.31	0.23	1.00	0.52	3.73	5.54	6.39	40.84
Wahluke	0.61	0.01	0.04	0.15	0.02	0.06	1.27	0.17	0.00	1.44	0.36	0.25	4.38
*Walla Walla	0.67	2.07	1.53	0.38	0.98	0.84	0.49	0.22	0.40	2.11	1.01	0.96	11.66
Waterville	1.15	0.58	0.60	T.	0.55	T.	3.28	.....	0.05	0.77	0.30	0.63	.....
*Wenatchee	1.00	1.00	1.54	0.29	2.00	0.03	1.33	0.16	T.	0.78	0.40	0.85	9.38
Westport	10.67	9.85	13.05	5.04	3.97	1.33	0.87	3.34	0.74	5.94	8.36	12.05	75.21
Wilbur	1.09	0.87	0.08	0.54	1.07	0.49	0.52	0.39	T.	2.86	0.76	1.03	9.70
Yale	10.86	8.56	18.50	7.28	7.51	2.77	0.36	3.92	0.95	10.45	7.15	14.45	92.76
Zindel	0.55	1.23	2.74	1.57	1.24	0.47	0.17	0.77	2.52	1.80	1.58	.....	.....
West Virginia.													
Arbovale	.....	.....	.....	.....	.....	3.94	3.44	3.21	.....	1.56	0.98	3.02	.....
Bancroft	2.88	3.75	6.33	5.30	3.94	3.42	4.42	1.97	0.51	1.69	1.03	2.67	37.91
Bayard	4.71	5.07	6.08	5.26	9.85	2.68	5.73	2.77	0.47	1.34	0.96	3.65	48.57
Ben's Run	2.24	4.30	6.65	3.93	6.71	2.23	7.72	2.07	0.48	2.52	1.02	3.75	43.63
Buckhannon	.....	.....	.....	4.33	5.91	5.46	6.16	2.51	1.10	0.86	0.95	3.14	.....
Burlington	2.60	2.90	5.30	1.75	11.45	2.55	4.72	3.11	0.75	0.83	1.00	2.05	39.01
Cairo	2.60	4.62	7.13	4.28	5.65	2.29	5.56	2.37	1.40	2.04	1.50	3.99	43.43
Central Station	2.11	3.16	5.30	3.33	5.72	1.93	5.79	1.82	0.59	1.49	0.80	2.80	34.84
Charleston	2.41	3.71	7.10	7.15	4.50	2.62	4.25	1.94	0.46	1.24	1.53	4.11	41.02
*Creston	0.91	1.86	6.45	4.83	8.43	2.55	8.99	5.63	1.94	2.36	0.85	2.87	47.67
Cuba	1.29	4.63	6.68	5.66	7.05	3.03	4.94	4.26	0.44	1.13	0.81	1.77	41.69
Davis	.....	.....	1.80	2.38	8.15	4.16	.....	2.43	0.66	0.75	.....	.....	.....
Elkhorn	2.97	2.16	7.49	3.63	3.62	2.99	2.08	2.16	1.24	3.02	1.64	2.51	35.51
*Elkins	4.02	3.22	5.58	4.95	8.42	2.77	7.88	2.60	0.88	0.33	0.77	2.83	44.25
Fairmont	2.30	3.90	6.61	3.28	5.95	4.04	3.93	2.15	0.97	1.25	0.79	2.67	37.84
Franklin	3.61	3.34	.....	1.29	8.42	3.67	5.10	3.61	.....	.....	.....	.....	.....
*Glenville	1.72	4.04	5.64	2.76	6.23	3.54	4.47	1.43	1.93	1.38	1.01	3.11	37.26
Grafton	2.23	3.66	6.65	3.26	7.65	2.87	4.48	2.29	0.74	0.50	0.70	2.94	37.97
Green Sulphur Springs	2.47	1.77	5.81	6.03	3.75	2.31	5.84	3.24	0.26	2.15	0.74	2.30	37.67
*Harpers Ferry	3.77	3.77	1.23	1.13	6.11	2.60	3.04	6.03	1.74	2.90	0.84	1.06	33.22
*Hinton	3.10	2.16	5.70	5.88	5.84	3.04	3.90	2.92	0.66	4.28	1.81	3.56	42.35
*Huntington	1.98	3.40	7.72	7.30	4.00	3.38	4.76	0.84	0.56	1.22	1.24	2.80	39.20
Leonard	6.50	5.75	6.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lewisburg	3.03	2.22	5.02	4.37	5.45	3.26	6.77	5.09	0.51	3.11	1.96	3.36	44.75
Logan	3.09	4.24	8.30	8.02	4.56	3.75	3.89	2.43	0.78	1.48	2.73	5.86	49.13
Lost Creek	1.91	3.83	7.73	3.74	9.30	2.72	2.97	3.35	1.21	1.15	1.09	2.86	41.86

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
West Virginia—Continued.													
Madison				6.63	4.62	2.30	3.80	2.00					
Mannington	2.31	3.55	5.86	3.53	5.62	2.03	4.56	2.86	1.42	1.29	0.80	3.25	37.08
Marlinton		3.22											
Martinsburg	1.00	2.80	3.10	1.60	5.25	2.69	3.24	4.70	1.88	1.73	0.80	1.12	29.91
Moorfield	4.30	5.35	2.37	2.05	7.58	1.35	3.50	3.15	1.04	1.21	0.90	1.11	33.91
Morgantown	2.23	3.19	6.04	3.28	6.04	2.74	3.55	1.29	0.70	0.53	0.82	2.26	32.67
Moundsville	1.19	2.24	5.44	4.08	4.72	2.43	4.03	3.80	0.59	2.10	0.67	1.31	32.60
New Cumberland	0.50	1.87	6.57	4.45	3.10	2.25	4.75	2.15	0.75	2.30	0.93	2.06	31.70
New Martinsville	2.35	3.45	5.89	5.17	6.39	1.55	6.79	0.92	1.69	2.31	0.99	3.03	40.53
Nuttallburg	2.60	2.40	5.74		3.47	4.93	5.15	2.90	0.45	2.45	1.58	4.00	
Oceana	3.77	2.60											
*Parkersburg	1.44	3.29	6.21	4.07	3.54	2.41	3.32	1.88	0.86	1.57	0.95	2.29	31.83
Parsons	5.76	5.47	4.75	5.55	9.33	3.53	2.60	2.69	0.81	0.40	0.99	2.61	44.49
Philippi	3.43	4.99	6.92	3.78	7.47	2.97	5.72	2.56	1.25	0.55	1.00	3.49	44.13
Pickens	8.19	4.80	6.01	6.88	8.82	4.94	7.53	5.03	1.22	1.28	1.16	4.80	60.66
Pineville									0.54		1.32	2.91	
*Point Pleasant	1.30	4.00	6.86	3.94	4.82	3.72	5.42	2.32	0.49	1.62	1.10	2.13	37.72
Powellton	2.58	2.11	6.17		7.08	3.34	5.14	1.25	0.46	1.24	0.75	2.70	
Princeton	5.10	5.25	7.85	6.40	6.85	6.75	2.70	4.70	2.54	6.88	2.45	7.36	64.83
Romney	4.51	2.87	3.44	2.07	7.28	2.06	5.62	3.12	0.69	1.07	0.90	1.09	34.72
*Rowlesburg	3.70	5.21	8.60	5.20	10.10	3.91	5.00	3.02	0.85	0.33	0.82	4.29	51.03
Ryan	1.98	4.18	7.81	4.33	4.00	2.43	7.33	3.89	0.46	2.28	0.78	2.98	42.45
*Smithfield	3.12	5.07	6.91	3.36	8.13	1.47	6.93	3.12	1.70	1.38	1.20	4.77	47.66
Southside	1.85	4.35	6.25	5.49	4.44	3.99	6.65	2.12	0.56	1.19	0.48	2.30	39.67
Spencer	2.17	4.15	7.76	3.64	5.18	2.59	6.41	2.36	0.51	1.61	0.86	2.28	39.52
Springfield								2.77					
Sutton	4.00		5.40	3.14	5.75	3.90	6.05		1.05	1.39	1.58	2.38	
Terra Alta	4.04	6.26	7.07	3.83	9.99	3.31	6.52	3.49	1.98	0.69	0.61		
Upper Tract	3.44	2.85	2.26	0.77	7.48	3.00	5.35	3.75	1.21	1.51	1.10	1.96	34.68
Valley Fork	2.14	3.30	4.68	2.33	2.73	2.03	9.43	1.80	0.76	1.01	0.85	3.96	35.02
Wellsburg	1.94	3.24	6.15	4.52	4.56	2.16	6.15	3.06	1.10	2.09	1.22	2.18	38.37
*Weston	3.34	5.24	6.46	4.84	7.54	4.42	4.88	0.90	1.11	1.06	1.04	3.76	44.59
*Wheeling	1.42	2.26	4.61	1.87	6.55	1.62	6.34	2.34	0.70	2.45	0.86	1.69	32.71
*Williamson	3.06	3.48	7.70	7.74	4.02	4.25	3.50	3.58	0.76	1.50	1.54	4.78	45.91
Wisconsin.													
Amherst	1.35	0.90	1.30	3.10									
Antigo	1.05		1.02					1.11	2.22	0.41	1.07	1.65	
Appleton	0.87	2.30	2.58	2.99	5.39	3.10	2.37	1.64	1.82	1.30	1.89	2.18	28.43
Appleton Marsh	0.63	1.09	1.96	3.45	7.30	4.24	6.57	1.20	4.13	1.50	1.33	1.68	35.08
Ashland	1.39	1.42	1.78	2.67	6.54	2.48	4.91	1.19	1.80	2.42	1.35	0.59	28.54
Barron			1.75	4.05	3.85	5.64	2.56	1.61	1.46	3.08	0.95	0.87	
Beloit	1.19	2.10	3.58	4.46	6.33	4.27	4.40	[1] 0.58	0.91	1.26	2.70	1.30	[1] 33.08
Bristol			3.14	3.67	4.32	3.20	4.13	[1] 0.58	1.06	0.90			
Brodhead	0.67	1.58	3.38	3.58	5.64	5.34	4.25	2.06	1.57	1.37	2.85	1.20	33.49
Burnett	0.84	1.45	1.81	5.06	6.07	1.49	2.07	3.08	1.25	1.22	2.05	1.38	27.77
Butternut												1.00	
Cecil	1.40	1.15	1.69	3.93	4.35	3.49	3.26	0.91	1.75	0.89	1.72	1.28	25.82
Chilton	1.43	2.80	2.56	3.59	6.12	4.03	0.96	2.39	2.10	0.77	1.88	2.81	31.44
Crandon	0.30	1.11	2.26	3.97	2.61	2.90	5.10	0.97	3.44	0.64		0.85	
Delavan	0.80	1.75	2.55	3.75	6.22	3.67	3.17	1.97	0.84	1.08	2.22	0.94	28.96
Dodgeville	0.20						5.05		1.12			[1] 1.10	
Downing	0.91	1.80	1.50	5.45	2.75	9.32	1.60	1.50	1.20	1.03	1.08	1.20	29.34
Eau Claire	0.58	0.97	2.63	3.46	5.64	6.32	2.28	1.74	2.91	1.56	0.98	1.07	30.14
Ellsworth		0.99	1.14	[2] 2.40	6.48	8.05	3.83	1.13	2.70				
Florence	T.	2.32	2.86	2.07	3.83	2.12	4.31	0.86	1.98	0.71	1.40	1.75	24.21
Fond du Lac	1.05	1.23	2.24	4.20	4.77	1.77	1.14	4.21	1.56	1.00	1.66	1.87	26.70
*Grand Rapids	0.45	0.82	2.04	3.90	4.63	1.87	5.71	1.69	1.83	0.80	1.02	1.01	25.77
Grand River Locks	0.29	2.87	2.99	3.03	4.95	3.26	1.98	2.54	1.28	1.13	2.26	1.05	27.63
Grantsburg	0.55	1.66	2.35	5.13	8.22	8.38	3.05	0.94	1.90	2.38	0.42	0.90	35.88
*Green Bay	0.90	1.75	2.38	2.84	3.64	1.74	2.44	1.19	1.45	0.57	1.61	1.40	21.91
Hancock	1.10	1.45	2.40	4.82	4.85	3.90	4.23	1.89	1.93	1.10	1.17	1.80	30.64
Hatfield									3.17	1.46	1.45	1.05	
Hayward	0.67	0.82	2.22	2.64	3.59	5.85	[4.50]	[1.50]	[2.10]	2.88	1.85	0.69	29.31
Herbster									3.81	2.37	1.06	0.76	
Hillsboro	0.65	1.75	2.09	2.64	7.88	4.58	2.53	1.47	2.29	1.44	1.64	1.40	30.36
Ironbelt	1.13	2.80	3.23	2.41	6.77								
Kewaunee												[2] 0.67	
Koepenick	1.20	2.40	1.90	3.90	3.70	4.80	6.20	1.49	3.74	1.21	3.10	1.70	35.34
*La Crosse	0.34	1.71	1.92	2.99	8.37	5.87	2.81	1.76	2.82	1.28	0.59	1.11	31.57
Lake Mills	1.03	1.52	2.62	4.24	6.75	2.97	1.72	2.90	1.30	1.10	2.63	1.52	30.30
Lancaster	1.05	1.06	0.94	3.35	5.46			2.56	[2] 2.11	1.73	1.52	0.97	
Long Lake	0.48	2.11	2.87	2.97	2.73	3.73	3.19	1.29	3.87	0.72	1.63	0.70	26.29
*Madison	0.97	1.79	1.62	4.41	5.38	1.80	2.85	2.53	0.78	0.64	2.14	0.76	25.67
Manitowoc	1.15	1.09	[2.67]	3.07	6.28	3.24	1.26	2.34	1.84	1.03	2.31	2.24	[28.52]
Mauston	0.50	0.82	2.73	3.69	8.95	4.52	2.34	1.56	2.06	1.18	1.90	1.14	31.39
Meadow Valley	0.39	0.87	1.73	3.11	6.30	3.58	4.56	2.14	4.35	1.35	1.75	0.81	30.94
Medford	0.70	1.85	1.10	2.80	5.08	4.19	4.30	2.63	3.60	3.07	2.14	1.45	32.91
Menasha	0.85	1.24	1.48	1.67	2.79	1.67	0.58	1.69	1.45	0.83	1.50	0.98	[2] 16.73
Merrill	0.70	0.97	1.38	2.44	2.56	3.72	4.53	1.48	3.79	1.27	2.03	1.24	26.11
*Milwaukee	3.24	2.87	2.25	3.61	4.55	2.44	2.56	1.63	0.72	1.08	1.87	1.50	28.32
Minocqua	0.45	2.30	1.60	2.60	4.11	3.37	4.29	1.34	3.52			1.00	
Mondovi					5.13	8.01	3.84	1.70	3.12	1.55	0.57	0.87	
Mount Horeb	0.68	1.80	1.77	3.90	7.30	4.31	1.87	3.47	1.46	1.38	2.68	1.30	31.92
Neillsville	0.80	1.58	3.20	3.77	4.79	6.55	4.63	2.35	3.09	1.71	1.86	0.90	35.23
New London	1.05	1.28	2.82	3.51	5.43	2.91	3.53	2.18	1.16	1.19	1.59	1.64	28.29
New Richmond	0.70	2.60	1.60	[1] 1.90	8.70	9.40	2.36	0.79	2.32	2.57	0.69	0.81	[1] 34.44
Oconto	1.85	2.96	0.94	2.73	3.52	4.65	3.80	1.06	1.98	0.88	1.64	1.90	27.91
Osceola	0.55	0.85	1.45	3.61	8.23	5.50	3.05	0.79	3.32	2.43	0.98	0.70	31.46
Oshkosh	1.60	1.02	[2.80]	4.16	4.01	4.74	1.33	1.77	0.85	1.18	1.85	1.70	[27.01]
Pine River	0.78	1.47	2.69	4.24	5.09	2.31	2.62	1.23	3.51	1.26	1.46	1.40	28.06
Plum Island						[1] 1.42	3.10	1.46	1.75	0.78	1.25		
Portage	0.28	1.37	2.28	5.26	5.63	2.78	1.76	4.26	1.60	0.94	1.69	0.85	28.70
Port Washington	2.50	2.11	3.35	3.97	5.95	2.20	1.93	2.51	0.55	1.12	2.19	2.20	30.58

[1] Incomplete.

[2] Seems too low.

MONTHLY AND ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wisconsin—Continued.													
*Prairie du Chien	0.70	2.03	1.59	2.90	7.24	6.97	4.92	2.26	3.72	1.29	1.34	1.14	36.10
Prentice	0.72	0.86	2.02	2.79	4.23	5.00	3.51	2.47	2.40	1.30	0.88	0.70	26.88
Racine	1.48	2.59	2.48	4.13	5.29	2.68	3.52	1.80	1.22	1.30	2.15	0.90	29.54
Rhinelander	0.34	1.46	1.48	3.38	2.44	4.12	3.76	1.35	4.49	1.01	1.37	0.80	26.00
Richland Center	0.50	1.01	[1]0.78	[1]1.13	6.18	2.15	.....	.....	1.83	1.09	3.15	0.85	.....
Sauk City	[1]0.54	1.89	.....	.....	.....	.....	.....	3.63	1.75	.....	2.25	.....	.....
Sheboygan	2.50	2.42	2.58	3.11	6.58	1.42	1.34	2.70	1.72	1.09	2.18	1.75	29.39
Shullsburg	0.87	2.41	2.54	3.95	6.45	3.93	4.55	2.13	1.42	0.89	2.38	1.08	32.60
Solon Springs	0.50	2.00	.....	.....	.....	.....	[1]1.30	0.97	2.36	2.80	1.10	0.20	.....
Spooner	0.25	0.84	1.80	3.84	5.05	5.94	4.37	1.29	2.14	3.07	0.89	0.58	30.06
Stanley	0.50	1.07	2.32	3.12	5.34	7.36	4.49	0.96	2.32	2.00	1.04	1.71	32.23
Stevens Point	0.87	0.83	1.53	3.76	4.37	2.44	4.61	[1]0.51	2.08	1.16	0.80	1.60	[1]24.56
Sturgeon Bay	1.31	3.53	2.68	4.16	4.67	3.21	4.00	1.16	2.16	0.98	2.22	4.37	34.45
Valley Junction	0.75	2.10	2.94	4.13	8.40	6.59	4.92	1.73	2.96	1.99	1.49	1.60	39.60
Viroqua	0.48	1.82	1.72	2.52	6.48	5.99	4.49	1.91	4.47	1.38	0.99	1.25	33.50
Vudesare	.....	.....	.....	2.96	3.95	2.99	4.27	1.17	4.88	0.76	1.11	1.14	.....
*Watertown	0.62	1.74	2.74	3.92	5.35	1.80	2.25	2.39	1.77	1.51	2.29	1.25	27.63
Waukesha (1)	1.03	1.20	2.61	4.24	4.86	3.11	1.08	1.85	0.81	0.82	2.03	1.15	24.79
Waukesha (2)	0.89	1.77	3.16	4.60	5.95	2.76	1.91	1.64	0.68	1.13	1.12	1.95	27.56
Waupaca	0.94	1.18	2.53	4.98	3.64	2.57	3.47	3.04	1.93	1.50	1.72	1.23	28.73
Wausau	1.19	0.91	1.71	2.33	4.43	4.08	4.25	1.48	3.64	1.48	1.26	0.87	27.63
Weyerhaeuser	0.73	1.26	1.51	3.27	6.12	4.61	[1]2.49	1.35	1.94	2.85	1.04	1.15	[1]28.32
Whitehall	0.70	0.89	1.96	2.96	[1]4.63	7.11	4.94	.....	3.02	1.42	.....	.....	.....
Wyoming.													
Afton	0.95	1.13	1.22	1.19	2.76	2.20	0.97	2.13	0.89	2.40	.....	.....	.....
Arapahoe	.....	.....	.....	.....	.....	1.51	0.49	1.50	0.56	1.99	0.14	0.83	.....
Barnum	0.08	0.54	0.57	0.61	6.10	2.64	1.15	0.92	0.66	0.87	0.32	0.58	15.04
Basin	T.	T.	0.47	0.92	2.34	2.26	0.00	0.59	0.57	0.43	T.	0.42	8.00
Bedford	0.58	0.46	0.52	.....	3.25	3.54	1.16	2.37	0.81	3.30	0.34	0.70	.....
Bennett	.....	.....	.....	.....	.....	0.57	1.84	1.78	0.35	1.78	.....	0.71	.....
Blue Cap	1.50	1.80	2.80	4.40	9.89	2.04	1.60	.....	.....	.....	.....	.....	.....
Border	0.71	0.67	0.62	0.47	1.15	1.99	T.	1.80	1.19	2.91	1.71	0.64	13.86
*Cheyenne	0.36	0.20	0.16	0.36	6.19	2.52	4.33	2.45	0.09	1.14	0.59	0.70	19.09
Cheyenne Experiment Farm	0.06	0.03	0.12	0.19	5.92	1.89	3.77	2.40	T.	0.71	0.21	0.31	15.61
Chugwater	0.30	0.05	0.20	0.50	5.86	2.63	1.12	2.07	0.03	1.07	0.40	1.00	15.23
Clark	0.16	0.35	1.14	0.37	4.34	2.42	0.88	1.74	0.21	0.48	0.08	0.56	12.73
Daniel	0.20	0.40	0.60	0.30	2.25	1.60	0.98	1.58	0.75	1.05	0.10	0.70	10.51
Dome Lake	.....	0.82	1.56	1.82	4.01	4.31	2.83	3.74	2.17	.....	.....	.....	.....
Dubois	0.15	0.60	1.05	0.50	5.15	1.00	T.	1.23	1.45	1.30	0.05	0.35	12.83
Eaton's Ranch	0.55	0.80	1.50	0.21	6.63	4.77	1.34	1.61	.....	0.80	0.40	1.62	.....
Echeta	.....	.....	.....	.....	.....	.....	.....	.....	1.05	1.13	0.10	1.50	.....
Eden	.....	.....	.....	0.40	0.67	1.68	0.07	0.59	1.34	0.49	0.01	T.	.....
Elk Mountain	0.77	0.62	1.13	1.85	3.25	1.31	1.24	1.75	0.50	1.58	0.78	2.19	16.97
Ervay	.....	.....	.....	1.73	6.08	2.87	0.80	2.56	0.98	3.22	0.45	0.48	.....
Evanston	0.54	0.45	1.33	0.46	2.01	2.04	0.73	1.31	2.47	1.82	0.44	0.42	14.02
Fayette	0.32	0.90	0.33	0.51	1.57	.....	.....	.....	.....	.....	.....	.....	.....
Fontenelle	0.60	0.15	0.75	.....	.....	.....	.....	.....	.....	.....	.....	0.50	.....
Fort Laramie	0.08	T.	0.07	0.49	8.70	3.23	1.01	0.76	0.01	1.29	0.19	0.53	16.36
Gillette	.....	.....	0.33	0.07	4.28	2.82	1.35	0.54	0.73	1.03	0.10	1.60	.....
Granite Canyon	0.42	0.26	0.17	0.76	7.92	0.92	4.63	3.48	0.23	1.83	0.94	1.05	22.61
Granite Springs Reservoir	0.48	0.23	0.12	0.66	6.82	.....	2.10	0.87	0.11	.....	.....	.....	.....
Green River	0.17	0.21	0.28	0.15	0.77	0.74	0.30	0.69	0.74	1.37	0.23	0.08	5.73
Hunters Station	0.05	0.49	1.71	1.81	8.14	4.14	3.07	2.66	1.20	2.22	0.43	1.27	27.19
Hyattville	0.10	0.40	1.50	.....	.....	.....	.....	.....	.....	.....	0.40	0.40	.....
Independence	.....	.....	.....	.....	.....	.....	.....	.....	0.61	1.84	0.16	0.24	.....
Kaycee	0.06	0.38	1.23	1.00	5.46	3.16	0.90	1.99	0.68	0.90	0.48	1.33	17.57
Kinnear	T.	0.08	0.67	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kirtley	0.00	T.	0.24	2.51	5.26	6.11	1.91	1.12	0.14	1.66	0.00	0.29	19.24
Kirwin	1.00	0.65	.....	2.40	6.95	2.66	1.42	3.40	2.40	7.71	.....	1.90	.....
*Lander	0.59	1.52	1.49	1.57	3.66	1.50	0.40	1.52	0.66	4.57	0.71	1.03	19.22
Laramie	0.24	0.08	0.02	0.34	5.57	0.84	2.68	1.93	0.65	0.45	0.38	0.35	13.53
Leo	0.10	0.24	1.35	0.85	4.71	1.97	0.70	1.83	1.18	1.41	0.33	0.57	15.24
Lolabama Ranch	.....	.....	.....	.....	5.10	2.49	1.99	.....	.....	.....	.....	.....	.....
Lusk	0.20	0.00	0.40	2.20	7.44	4.57	0.60	1.71	0.00	1.11	0.50	0.65	19.38
Luther	0.20	T.	0.45	1.55	5.71	3.99	2.40	3.23	0.10	1.08	0.65	0.50	19.86
Moorcroft	0.20	0.40	1.50	0.10	3.40	2.57	0.91	0.70	.....	.....	0.60	2.60	.....
Moore	0.25	0.07	0.14	0.64	4.78	1.21	1.54	2.03	0.19	0.93	0.39	.....	.....
Newcastle	0.40	0.25	1.38	2.29	2.77	4.80	1.53	0.64	2.05	2.80	0.10	1.60	20.61
Pathfinder	0.17	0.18	0.47	0.90	3.90	1.11	0.91	1.74	0.76	1.03	0.16	0.23	11.56
Phillips	0.20	T.	T.	0.20	4.58	1.82	2.21	3.26	T.	1.31	0.50	1.05	15.13
Pine Bluff	T.	T.	0.70	3.16	2.97	2.48	4.91	1.34	0.20	1.90	1.00	0.40	19.56
Pinedale	0.24	0.44	0.64	0.32	1.62	1.48	0.88	2.97	0.99	0.79	0.10	0.65	11.12
Powell	T.	T.	0.18	T.	1.25	2.36	0.60	0.62	0.17	.....	T.	0.10	.....
Rawlins	0.33	0.01	0.69	0.52	4.97	.....	.....	.....	.....	.....	.....	.....	.....
Riverton	T.	0.16	0.67	1.20	4.27	2.03	0.36	1.52	0.39	1.10	0.08	0.26	12.04
Saratoga	1.23	0.18	0.49	0.72	2.27	0.57	2.35	1.29	.....	.....	.....	.....	.....
*Sheridan	0.17	0.32	0.67	1.06	6.65	3.40	0.66	0.95	0.67	1.44	0.07	0.92	16.98
Sheridan	0.17	0.60	0.80	0.35	5.96	3.75	1.09	0.94	0.29	0.55	0.10	1.43	15.93
Shoshone Dam	0.03	0.33	0.42	0.37	5.35	1.62	1.36	1.91	0.18	0.83	0.04	0.32	12.76
Soldiers' Home	0.30	0.70	.90	1.27	8.02	3.87	1.46	1.91	0.76	0.70	0.05	1.20	21.14
Sunshine	0.50	1.60	1.60	1.46	6.65	3.60	T.	1.96	0.80	.....	.....	.....	.....
Thermopolis	0.05	0.73	0.84	0.57	5.76	2.19	0.39	1.06	1.14	2.15	0.22	0.57	15.67
Upton	.....	.....	.....	.....	.....	.....	.....	.....	1.10	.....	.....	0.96	.....
Valley	.....	.....	.....	.....	.....	.....	1.60	1.63	.....	.....	0.15	0.48	.....
Verona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.10	1.20	.....
Wheatland	0.22	T.	.....	1.20	8.93	2.19	1.03	1.16	0.24	2.35	0.85	1.05	.....
Wiley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	0.60	.....
Willow Creek Cabin	0.60	0.65	1.25	0.56	3.55	3.38	0.97	3.08	1.38	1.04	0.54	2.31	19.20
Wolton	0.32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Worland	0.06	0.50	1.05	0.21	1.56	2.79	0.21	.....	.....	.....	0.40	0.70	.....
Wyncote	0.22	T.	0.01	0.22	5.68	5.17	1.86	1.01	0.21	1.41	0.05	0.45	16.29
*Yellowstone Park	0.85	1.22	1.39	0.88	3.38	3.30	0.73	3.42	0.74	3.00	0.25	0.49	19.64
(1) Fountain Hotel	.....	.....	.....	.....	.....	.....	.....	1.56	1.11	.....	.....	.....	.....

[1] Incomplete.

MONTHLY ANNUAL PRECIPITATION (IN INCHES AND HUNDREDTHS) FOR 1908—Continued.

Stations.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Annual.
Wyoming—Continued.													
(2) Grand Canyon								1.70	0.48				
(3) Lake Yellowstone	1.53	3.63	3.11	1.45	8.65	5.74	1.44	3.14	1.67	9.79	0.84	1.16	42.15
(4) Norris Geyser Basin	0.95	1.02	0.61	0.14					0.36	2.01	0.85	1.03	
(5) Riverside	1.26	1.24	0.59	T.		3.35	T.	2.92	0.70	0.72	0.55	1.71	
(6) Snake River	3.66	2.13	4.84		2.67	5.50	0.83	1.89	1.38	4.09	1.10	2.50	
(7) Soda Butte	0.40	2.05	1.21	0.94	1.32		0.98	4.74	1.28	2.32	0.30	0.73	
(8) Sylvan Pass	0.44	0.98	2.71	1.60	2.55	4.20	0.88	3.16	1.02	3.91	0.80	1.78	24.03
(9) Thumb							0.87	1.89	1.05				
(10) Upper Geyser Basin	2.15	1.10	2.01	0.80	2.83	2.85	0.39	2.02	0.56	4.46	0.44		
Porto Rico.													
Aibonito	4.03	7.45	9.05	1.90	14.90	3.30				5.50	4.40	5.49	
Alto de la Bandera	[c]1.66	3.08	7.02	5.56	9.65	5.62	7.94	10.33	13.18	8.54	6.61	3.21	82.0
Añasco	5.26	8.60	5.72	4.25	12.76	9.84	5.25	8.55	5.00	3.40	2.40	1.72	72.75
Arecibo				3.28	3.27	3.20	3.27	2.56	5.65	4.87	7.89	8.77	
Arecibo (Hacienda Jobos)	5.54	7.18	5.50	7.91	5.91	2.86	5.00	7.99	7.35	4.86	7.42	11.13	78.65
Barros	5.44	3.66	6.98	0.62	7.55	1.17							
Bayamon	5.72	5.76	6.03	4.85	2.89	6.36	4.09	5.15	10.09	3.69	7.12	5.75	67.50
Cato Rojo	2.00	2.64	5.21						7.31	3.08	7.05	1.37	
Caguas	5.16	3.11	4.09	1.38	3.78	6.27	8.73	3.95	11.05	5.96	5.07	3.07	61.62
Canoranas	12.83	6.10	6.70	2.23	5.89	5.92	10.77	5.55	12.17	1.95	8.84	7.82	86.77
Cayey	5.61	5.15	5.69	0.88	4.35	6.16	6.20	3.63	9.96	7.33	7.02	9.59	71.57
Central Aguirre	1.27	1.45	3.36	0.82	5.10	6.44	6.30	1.95	7.53	6.54	1.88	1.37	44.01
Central Ingenio	4.58	5.21	5.80	3.72	6.07	9.70	7.31	7.64	15.15	8.72	7.68	5.85	87.43
Cidra	6.56	6.90	5.71	0.90	3.15	5.00	4.62	5.44	10.03	4.29	4.80	9.20	66.60
Coloso	2.12	5.09	4.53	4.75	6.26	12.67	7.04	10.32	7.33	5.20	4.36	1.77	71.44
Comerio Falls	7.84	5.76	11.49	3.73	2.20	6.46	7.15	4.64	7.68	4.55	8.26	10.55	80.31
Corozal	6.50	4.05	8.53	2.62	[a]3.95	4.38	3.84	2.61	9.06	3.52	10.73	12.54	72.33
Culebra	5.55	2.42	2.72	3.33	4.70	3.51	5.36	1.74	3.93	7.01	5.09	1.97	47.33
Dorado	3.42	3.76	4.16	1.63	3.20	2.11					10.28	7.17	
Fajardo	5.02	3.59	3.95	1.16	5.50	4.50	2.82	3.99	9.63	4.57	7.73	5.57	58.03
Guanica Centrale	2.05	1.10	0.50			2.37	2.03	1.11	5.96	5.36	4.70	0.24	
Guayama	1.76	0.94	3.36	1.04	5.91	2.20	3.70		6.60	5.00	2.92	1.56	
Hacienda Destino						2.41	3.21	1.19	7.07	4.58	1.32	0.95	
Hacienda Potala						3.09	3.14	1.06	5.38	3.85	3.25	0.19	
Humacao	5.52	3.00	7.15	1.17	7.81	7.79	5.91	2.17	13.00	3.74	8.20	5.33	70.79
Isabela	1.85	4.37	5.66	3.45	5.25	3.20	4.18	5.55	7.21	3.65	9.55	6.25	60.17
Isolina	5.49	9.09	10.10	6.25	9.29	3.70	5.87	4.50	5.93	7.79	7.66	11.30	86.97
Juana Diaz	1.21	0.45	2.85	0.50	3.72	3.75	4.42	6.06	8.35			0.82	
La Carmelita A	2.76	2.54	5.32	9.17	13.21	8.37	7.03	7.32	10.73	8.05	9.08	2.60	86.18
La Carmelita B	3.58	3.74	6.92	10.18	18.67	8.51	5.88	10.82	13.55	7.74	6.54	4.02	100.15
Lares	3.84	7.40	5.91	9.95	11.07	3.18	9.09	8.23	5.20	6.02	8.16	5.32	83.37
Las Marias	3.03	7.47	5.98	7.54	15.62	9.04	7.05	9.46	9.49	3.71	6.79	2.02	87.20
Manati	2.96	5.61	5.19	4.56	5.22	4.00	2.31	2.77	11.81	5.63	7.36	9.67	67.09
Maricao	3.52	4.10	8.19	9.57	16.41	6.21	14.21	13.27	12.29	6.27	9.37	2.04	105.45
Maunabo	4.28	5.48	3.88	3.42	5.75	6.60	8.03	3.66	9.44	6.11	5.18	6.33	68.16
Mayaguez	2.78	6.51	6.38	5.53	9.89	8.50	3.26	9.69	12.11	3.73	7.46	1.65	77.49
Peñuelas	1.65	1.61	4.37	2.91	7.12		5.06	3.13			5.48		
Ponce	2.96	0.36	2.80	0.70	4.68	2.28	3.30	3.19	7.45	4.35	3.80	0.63	36.50
Rio Blanco	[b]4.10	5.24	7.80	5.64	6.13	12.43	12.23	9.79	14.81	6.99	12.70	7.35	105.21
Rio Piedras	6.00	3.87	4.20	2.45	6.43	2.76	5.27	7.66	11.00	3.09	7.52	7.89	68.14
Sabana Grande					4.86					4.79	4.61	0.00	
San German	0.88	3.16	6.73	3.73	7.09	7.29	4.34	8.12	6.78	4.46	7.54	0.54	60.66
*San Juan	4.70	2.84	4.44	3.56	2.63	2.67	5.32	4.89	8.19	3.64	8.93	5.96	57.77
San Lorenzo	3.73	5.10	6.60	4.57	6.37	7.32	12.60	8.01	11.54				
San Salvador	3.74	3.01	6.70	[d]2.65	9.59	4.36	3.05	4.62	8.11	2.12	4.89	5.68	58.52
San Sebastian	4.90	4.73	3.97	11.54	11.51	10.51	7.91	9.19	10.69	5.25	6.90	4.94	92.04
Santa Isabel	1.27	0.35	3.01	0.40	4.06	2.48	2.74	2.45	6.73	3.80	1.46	0.96	29.70
Vieques	3.31	2.55	2.56	0.23	5.97	6.12	4.60	2.10	7.28	4.98	4.96	2.45	47.11
Yauco	2.64	1.38	4.21	0.73	4.06	2.98	2.69	0.77	7.50	7.40	4.28	0.71	39.35

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SNOWFALL, 1908–1909.

Monthly and Seasonal Snowfall, 1908–1909.

Note.—Leaders under heading of months indicate no snow; under annual report incomplete; T., a trace; (*), no report.

[Inches and tenths.]

State and station.	1908.				1909.					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Alabama.										
Anniston	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Ashville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Bermuda	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Birmingham	.....	.....	.....	T.	T.	.....	.....	.....	.....	T.
Decatur	.....	.....	T.	.....	T.	.....	.....	.....	.....	T.
Florence	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Greensboro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hamilton	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Mobile	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newbern	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneonta	.....	.....	.....	T.	T.	T.	.....	.....	.....	T.
Union Springs	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Valley Head	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Alaska.										
Bettles	(*)	14.0	14.2	31.7	2.2	2.8	9.8	(*)	(*)	.....
Calder	.....	2.2	(*)	(*)	(*)	(*)	7.5	2.5	(*)	.....
Chatanika River	.....	6.9	4.4	12.6	8.8	2.0	0.5	(*)	(*)	.....
Circle City	(*)	3.0	8.5	10.5	(*)	5.2	(*)	(*)	(*)	.....
Copper Center	T.	12.0	1.0	7.0	7.0	(*)	(*)	(*)	(*)	.....
Dutch Harbor	.....	(*)	(*)	3.6	1.4	1.5	(*)	(*)	(*)	.....
Fairbanks	1.0	(*)	(*)	8.1	(*)	(*)	(*)	(*)	(*)	.....
Fort Egbert	3.0	0.2	7.0	11.0	2.0	0.1	(*)	(*)	(*)	.....
Fort Gibbon	2.2	6.0	1.0	6.5	0.5	0.5	(*)	(*)	(*)	.....
Fort Liscum	0.5	8.3	29.8	97.8	27.4	36.8	69.0	68.4	(*)	.....
Iron Creek	3.0	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	.....
Juneau	3.0	(*)	(*)	(*)	(*)	36.0	(*)	(*)	(*)	.....
Ketchumstock	T.	(*)	9.0	20.0	.....	0.5	1.0	2.0	(*)	.....
Killisnoo	(*)	1.0	8.0	8.0	9.0	18.0	(*)	(*)	(*)	.....
Klukwan	(*)	12.6	30.8	11.2	6.2	6.2	17.5	T.	(*)	.....
Loring	(*)	1.2	(*)	10.0	57.2	16.2	22.5	(*)	(*)	.....
Nome	1.0	10.0	3.5	11.8	3.0	2.0	(*)	(*)	(*)	.....
Northfork	(*)	(*)	(*)	(*)	1.8	(*)	(*)	(*)	(*)	.....
Rampart	.....	5.1	3.6	11.8	1.4	(*)	6.2	(*)	.....	.....
Seward	.....	(*)	(*)	32.0	8.0	1.5	14.0	(*)	.....	.....
Sitka	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Skagway	(*)	4.5	25.5	3.5	(*)	2.0	(*)	(*)	(*)	.....
Sunrise	(*)	1.5	5.2	30.4	7.5	15.3	21.6	3.5	(*)	.....
Tyonok	(*)	2.5	(*)	14.2	14.0	10.0	19.0	31.0	(*)	.....
Wood Island	(*)	1.0	2.5	11.0	15.0	12.5	37.0	4.0	(*)	.....
Arizona.										
Buckeye	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Casa Grande	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congress	.....	.....	.....	.....	.....	0.5	T.	.....	.....	0.5
Flagstaff	.....	6.0	3.1	11.6	14.1	20.9	15.1	2.6	T.	73.4
Fort Apache	.....	T.	4.5	8.8	4.0	5.5	9.4	.....	.....	32.2
Jerome	.....	T.	0.2	2.0	2.0	11.0	20.1	0.9	.....	36.2
Maricopa	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Phoenix	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prescott	.....	4.5	3.2	4.5	3.0	3.5	8.5	T.	.....	27.2
Tucson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

MONTHLY AND SEASONAL SNOWFALL, 1908–1909—Continued.

State and station.	1908.				1909.					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Arkansas.										
Amity	.....	.....	T.	.....	T.	1.0	.....	.....	.....	1.0
Bentonville	.....	.....	.....	.....	9.9	1.9	T.	T.	.....	11.8
Conway	.....	.....	.....	.....	2.3	T.	.....	.....	.....	2.3
Corning	.....	.....	.....	.....	3.6	0.8	.....	.....	.....	4.4
Fort Smith	.....	.....	T.	.....	3.8	2.5	.....	.....	.....	6.3
Hardy	.....	.....	.....	.....	5.8	2.5	.....	.....	.....	8.3
Helena	.....	.....	.....	.....	0.5	T.	.....	.....	.....	0.5
Jonesboro	.....	.....	.....	.....	.....	1.0	.....	.....	.....	1.0
Little Rock	.....	.....	T.	0.2	0.4	T.	.....	.....	.....	0.6
Malvern	.....	.....	T.	1.0	0.5	T.	.....	.....	.....	1.5
Newport	.....	.....	.....	.....	2.0	1.0	.....	.....	.....	3.0
California.										
Bear Valley	.....	1.0	4.5	20.0	80.0	106.0	58.0	.....	.....	269.5
Blue Canon	.....	T.	4.0	22.0	50.0	108.0	48.0	.....	.....	232.0
Boca	.....	2.0	5.0	7.2	39.5	62.0	14.5	.....	2.0	132.2
Bowman's Dam	.....	2.0	15.0	29.5	122.0	162.0	69.0	.....	(*)	.....
Cedarville	.....	3.5	2.0	10.0	5.0	25.0	12.0	.....	T.	57.5
Cisco	.....	6.0	25.0	42.0	153.0	98.0	62.0	.....	1.0	387.0
Cuyamaca	.....	T.	2.0	1.0	1.3	6.0	19.4	.....	.....	29.7
Deer Creek	.....	T.	3.0	4.5	35.0	59.2	33.5	.....	.....	135.2
Emigrant Gap	.....	2.2	4.0	16.0	57.0	86.0	41.0	.....	2.0	207.2
Fordyce Dam	.....	7.0	23.0	38.0	214.0	123.0	76.0	4.0	13.0	498.0
Greenville	.....	T.	1.5	6.0	42.0	27.0	20.5	.....	T.	97.0
Idyllwild	.....	4.5	.....	1.5	18.0	10.5	25.5	.....	.....	60.0
Inskip	.....	T.	7.2	31.0	79.2	102.0	62.0	T.	2.2	281.4
La Porte	.....	3.0	10.5	28.5	69.5	105.5	41.5	0.6	T.	259.1
Monumental	.....	.....	6.0	22.0	64.0	82.0	33.0	.....	.....	207.0
North Bloomfield	.....	.....	1.5	4.0	26.8	37.2	24.2	.....	.....	93.7
Pilot Creek	.....	T.	1.8	17.8	39.0	61.5	32.0	.....	.....	152.1
Quincy	.....	.....	3.0	3.0	40.5	28.5	23.0	.....	T.	98.0
Sisson	.....	.....	2.5	12.5	53.0	55.0	21.0	.....	.....	144.0
Stirling City	.....	.....	3.0	6.0	23.0	49.0	41.0	.....	.....	122.0
Summerdale	.....	.....	6.0	17.0	56.0	57.0	33.0	1.0	.....	170.0
Summit	T.	10.0	36.0	27.0	226.0	82.0	46.0	4.0	11.0	442.0
Susanville	.....	.....	2.0	5.0	17.0	38.0	13.0	.....	T.	75.0
Tamarack	1.0	21.0	34.0	26.0	251.0	117.0	41.0	10.0	12.0	513.0
Truckee	.....	1.5	6.5	9.0	64.0	87.5	24.5	1.0	6.8	200.8
Colorado.										
Boulder	8.0	15.2	31.0	15.0	0.5	19.2	26.5	27.5	(*)	.....
Breckenridge	7.5	30.0	12.0	28.2	(*)	(*)	(*)	16.6	T.	.....
Cheyenne Wells	.....	T.	22.5	2.0	8.0	2.5	7.0	7.0	.....	49.0
Clearview	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado Springs	3.3	2.3	8.6	2.5	5.5	7.0	30.2	10.5	0.4	70.3
Denver	6.5	13.6	22.9	9.7	2.1	18.3	20.2	25.4	T.	118.7
Durango	.....	11.8	10.5	17.1	17.3	27.2	9.8	1.0	.....	94.7
Fort Collins	.....	8.0	11.5	7.8	0.1	12.9	26.2	6.5	.....	73.0
Grand Junction	T.	1.0	1.1	9.0	0.4	1.4	T.	1.0	.....	13.9
Hoehne	.....	.....	.....	.....	2.0	2.0	8.0	26.0	.....	38.0
Lake Moraine	12.0	20.5	23.5	12.0	18.0	26.5	19.0	45.0	15.0	191.5
Lamar	.....	.....	15.5	1.0	3.0	2.0	8.1	10.0	.....	39.6
Las Animas	.....	.....	.....	.....	.....	7.0	6.5	11.4	.....	24.9
Longs Peak	6.0	17.0	17.0	14.0	18.0	18.5	54.0	60.0	10.0	214.5
Meeker	.....	29.0	7.5	22.0	10.5	10.0	4.5	13.0	T.	96.5
Pagoda	T.	29.0	(*)	17.0	17.0	[1] 9.0	(*)	15.0	(*)	.....
Pueblo	T.	2.6	12.3	0.7	3.9	12.3	3.0	12.2	(*)	.....
Rocky Ford	.....	.....	7.5	0.4	(*)	2.5	.....	.....	.....	.....
Saguache	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Salida	3.0	8.0	17.0	0.5	3.5	6.5	7.0	5.2	(*)	.....
San Luis	.....	1.1	5.9	4.7	1.8	5.8	0.6	8.5	2.6	31.0
Trinidad	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wray	.....	.....	10.0	0.5	1.0	5.5	12.8	0.5	.....	30.3

[1] Incomplete.

MONTHLY AND SEASONAL SNOWFALL, 1908–1909—Continued.

State and station.	1908.				1909.					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Connecticut.										
Canton	.....	.....	1.5	7.5	11.0	4.0	6.5	3.0	.....	33.5
Hartford	.....	.....	2.4	9.6	9.4	1.6	8.6	0.7	.....	32.3
Hawleyville	.....	.....	3.0	12.5	10.0	(*)	6.0	2.0	.....	33.5
New Haven	.....	T.	T.	7.3	9.6	1.2	6.7	2.0	.....	26.8
Southington	.....	.....	2.5	8.5	8.5	3.0	7.2	3.0	T.	32.7
West Simsbury	.....	.....	3.0	7.0	9.0	2.5	6.0	2.0	.....	29.5
Delaware.										
Millsboro	.....	.....	.....	6.0	2.5	2.0	1.0	T.	.....	11.5
Seaford	.....	.....	.....	6.0	2.0	2.0	3.0	T.	.....	13.0
District of Columbia.										
Washington	.....	.....	3.5	11.5	3.7	6.4	10.8	.....	.....	35.9
Florida.										
Jacksonville	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Pensacola	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Tampa	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Georgia.										
Adairsville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Americus	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Atlanta	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Augusta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Clayton	.....	.....	.....	T.	T.	T.	T.	.....	.....	T.
Covington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dahlonega	.....	.....	.....	.....	T.	.....	T.	.....	.....	T.
Harrison	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Macon	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Marshallville	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Putnam	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Savannah	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Talbotton	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Idaho.										
Blackfoot	T.	.....	1.0	9.5	12.0	7.0	3.0	.....	.....	32.5
Boise	.....	T.	4.0	0.9	15.9	5.1	T.	T.	T.	25.9
Chesterfield	.....	T.	2.5	13.0	23.0	25.0	9.0	.....	T.	72.5
Lakeview	.....	.....	5.0	7.0	33.0	21.0	T.	.....	.....	66.0
Lewiston	.....	.....	.....	0.6	19.4	0.2	.....	T.	.....	20.2
Lost River	T.	T.	3.5	1.5	18.2	11.0	1.5	T.	.....	35.7
Moscow	.....	.....	2.0	4.4	23.6	10.7	3.3	0.5	2.5	47.0
Murray	T.	T.	2.0	26.0	32.0	29.0	16.0	12.0	.....	117.0
Oakley	.....	1.5	4.0	T.	8.5	12.5	0.6	.....	.....	27.1
Payette	.....	T.	0.5	2.9	13.6	1.2	T.	T.	T.	18.2
Pocatello	T.	0.2	4.1	3.7	5.4	23.0	2.6	4.1	T.	63.1
St. Maries	1.0	T.	3.5	7.0	15.7	7.9	3.8	T.	T.	38.9
Illinois.										
Albion	.....	.....	T.	0.5	6.5	3.5	.....	.....	T.	10.5
Alexander	.....	.....	T.	3.0	7.0	8.8	0.5	T.	T.	19.0
Ashton	.....	.....	T.	5.0	(*)	5.3	(*)	.....	(*)	.....
Bloomington	.....	.....	T.	4.5	3.5	8.5	1.0	T.	T.	17.3
Cairo	.....	.....	.....	.....	4.1	0.0	T.	.....	T.	4.6
Carlinville	.....	.....	T.	2.0	13.0	7.3	T.	T.	T.	22.0
Charleston	.....	.....	0.6	2.5	13.1	5.1	0.1	0.1	T.	21.7
Chicago	.....	.....	0.9	2.7	8.7	10.5	3.8	0.3	T.	26.5
Cobden	.....	.....	.....	.....	(*)	(*)	.....	.....	.....	.....
Dwight	.....	.....	0.3	3.0	3.0	8.0	1.8	T.	T.	16.1
Galva	.....	.....	0.5	4.0	6.1	11.2	5.9	0.3	T.	28.0
Greenville	.....	.....	0.5	.....	16.5	4.5	T.	.....	.....	21.5
Joliet	.....	.....	0.5	3.8	2.4	6.8	4.1	0.7	0.4	18.7
La Salle	.....	.....	0.1	3.5	2.9	7.4	3.7	0.2	0.1	17.9
Olney	.....	.....	T.	1.8	7.5	5.7	T.	T.	.....	15.0
Peoria	.....	.....	0.2	3.8	2.7	5.0	1.4	T.	T.	13.1

MONTHLY AND SEASONAL SNOWFALL, 1908–1909—Continued.

State and station.	1908.				1909.					Annual.
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Illinois—Continued.										
Rantoul	.....	T.	0.5	4.5	7.5	10.7	T.	T.	T.	22.8
Riley	.....	.....	0.2	3.5	6.5	11.4	1.8	3.6	T.	27.0
Robinson	.....	.....	.....	0.2	9.0	1.5	.....	T.	.....	10.7
Springfield	.....	.....	T.	3.0	6.4	7.6	0.2	T.	T.	17.2
Indiana.										
Bluffton	.....	.....	0.1	4.5	13.7	4.0	1.0	(*)	.....	.....
Butlerville	.....	.....	T.	0.3	11.0	3.7	0.5	T.	T.	15.5
Cambridge City	.....	.....	.....	1.5	10.0	4.0	1.0	.....	T.	16.5
Evansville	.....	.....	T.	T.	10.5	2.4	.....	.....	T.	12.9
Greensburg	.....	.....	.....	0.1	(*)	3.1	T.	T.	.....	.....
Indianapolis	.....	.....	0.7	3.5	10.7	1.0	T.	T.	T.	15.9
Kokomo	.....	T.	0.5	(*)	(*)	(*)	(*)	(*)	.....	.....
Lafayette	.....	.....	T.	5.0	8.2	3.9	1.0	T.	T.	18.1
Laporte	.....	.....	0.1	0.1	10.8	8.8	4.2	T.	T.	24.0
Lima	.....	.....	T.	0.5	8.0	12.0	4.5	T.	1.0	26.0
Marengo	.....	.....	T.	T.	12.0	4.0	T.	.....	T.	16.0
Markle	.....	.....	2.0	6.0	18.0	4.0	5.0	T.	T.	35.0
Richmond	.....	.....	T.	1.6	6.4	4.1	0.6	T.	T.	12.7
Scottsburg	.....	.....	T.	T.	8.0	1.5	T.	.....	.....	9.5
South Bend	.....	.....	1.0	3.5	35.0	17.0	7.0	1.5	0.5	65.5
Terre Haute	.....	.....	0.2	1.2	14.0	2.7	.....	.....	.....	18.1
Vevay	.....	.....	.....	.....	12.0	3.0	T.	T.	T.	15.0
Winona Lake	.....	.....	T.	2.3	22.0	10.0	3.9	0.7	T.	38.9
Iowa.										
Algona	T.	1.0	3.0	2.5	9.5	18.0	15.8	7.0	T.	56.8
Alta	.....	T.	4.3	3.3	7.5	12.1	12.0	5.0	T.	44.2
Ames	.....	.....	.....	4.5	(*)	9.5	14.7	(*)	T.	.....
Atlantic	.....	4.0	1.5	5.0	8.0	3.0	8.5	1.5	.....	31.5
Britt	T.	2.1	2.3	4.1	6.8	12.1	14.0	4.5	1.3	47.2
Cedar Rapids	.....	.....	0.9	6.5	(*)	4.3	3.3	T.	.....	.....
Chariton	.....	.....	1.0	3.0	4.0	4.0	3.0	1.0	T.	16.0
Charles City	.....	T.	1.2	4.4	13.1	16.2	23.9	7.8	0.6	67.2
Clarinda	.....	11.0	1.0	2.8	4.0	1.5	11.5	1.0	.....	32.8
Corning	.....	5.0	T.	3.5	5.5	3.3	15.7	2.0	.....	35.0
Davenport	.....	T.	T.	3.0	6.6	4.6	1.7	T.	T.	15.9
Delaware	.....	.....	(*)	(*)	6.2	3.8	4.0	1.3	0.5	.....
Des Moines	.....	.....	0.8	4.1	11.5	2.9	11.3	T.	T.	30.6
Dubuque	.....	.....	0.1	4.9	10.0	6.9	4.7	1.7	0.3	28.6
Fayette	.....	.....	0.5	6.0	8.9	6.8	10.5	5.2	.....	37.9
Humboldt	.....	.....	2.0	(*)	16.0	14.0	23.0	1.0	.....	.....
Independence	.....	.....	0.5	6.0	8.0	14.0	8.5	(*)	0.2	.....
Iowa City	.....	.....	0.8	4.5	5.8	2.2	4.0	.....	.....	17.3
Iowa Falls	T.	(*)	0.8	5.0	14.9	12.5	18.0	3.0	.....	.....
Keokuk	.....	.....	T.	4.0	4.6	6.0	0.3	T.	T.	14.9
Keosauqua	.....	.....	0.5	1.7	4.7	5.0	3.1	T.	T.	15.0
Logan	.....	.....	1.0	2.2	7.2	(*)	(*)	T.	.....	.....
Sioux City	.....	T.	5.4	2.6	7.0	20.3	8.0	3.8	T.	47.1
Storm Lake	.....	0.5	4.0	3.2	9.1	9.0	9.0	1.5	T.	36.3
Thurman	.....	4.5	5.0	3.0	3.5	(*)	8.0	.....	.....	.....
Waverly	.....	T.	T.	4.0	8.8	7.2	15.7	(*)	0.4	.....
Kansas.										
Ashland	.....	.....	T.	.....	3.4	T.	6.0	0.2	.....	9.6
Burlington	.....	5.0	T.	.....	5.5	T.	T.	.....	.....	10.5
Colby	.....	.....	7.6	1.0	0.9	5.0	9.0	3.2	.....	26.7
Columbus	.....	T.	T.	.....	7.9	1.5	0.2	.....	.....	9.6
Concordia	.....	T.	T.	T.	1.9	0.8	6.2	1.8	.....	10.7
Dodge	.....	.....	1.4	0.1	2.5	1.2	7.9	T.	.....	13.1
Emporia	.....	6.0	.....	.....	9.0	5.0	6.0	.....	.....	26.0
Fall River	.....	T.	.....	.....	6.5	6.2	3.0	.....	.....	15.7
Frankfort	.....	3.5	T.	T.	2.2	2.2	18.0	.....	.....	25.9
Garden City	.....	.....	8.0	1.0	2.0	2.5	7.0	0.5	.....	21.0
Grenola	.....	T.	T.	T.	3.0	3.5	1.0	.....	.....	7.5
Horton	.....	11.0	T.	T.	2.0	2.5	11.0	T.	.....	26.5
Hutchinson	.....	.....	0.8	T.	5.0	0.5	2.5	.....	.....	8.8

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Kansas—Continued.										
Independence	.....	T.	.....	.....	3.8	2.0	0.3	.....	.....	6.1
Iola	.....	T.	T.	T.	3.5	1.5	1.9	.....	.....	6.9
Lakin	.....	.....	8.0	T.	3.0	1.0	6.0	T.	.....	18.0
McPherson	.....	.....	2.0	.....	6.0	2.0	3.0	.....	.....	13.0
Manhattan	.....	0.5	T.	.....	7.2	2.1	11.5	.....	.....	21.3
Minneapolis	.....	.....	0.5	T.	5.0	0.5	5.5	T.	.....	11.5
Moran	.....	T.	T.	T.	7.0	2.5	2.0	.....	.....	11.5
Ness City	.....	.....	2.0	T.	2.0	1.2	9.0	T.	.....	14.2
Pratt	.....	.....	T.	T.	3.8	1.0	9.5	.....	.....	14.3
Rome	.....	T.	T.	.....	6.0	4.0	6.0	.....	.....	16.0
Sedan	.....	T.	.....	.....	11.5	12.0	2.0	.....	.....	25.5
Topeka	.....	7.1	T.	T.	5.6	1.6	4.6	T.	.....	18.9
Wichita	.....	T.	T.	T.	3.0	3.4	13.0	.....	.....	19.4
Kentucky.										
Alpha	.....	.....	T.	T.	3.0	T.	T.	.....	T.	3.0
Bowling Green	.....	.....	.....	.....	2.0	0.2	T.	.....	.....	2.2
Catlettsburg	.....	.....	1.0	4.0	4.0	T.	T.	.....	.....	9.0
Earlington	.....	.....	.....	.....	7.0	T.	T.	.....	.....	7.0
Edmonton	.....	.....	.....	0.5	4.7	.....	.....	T.	T.	5.2
Eubank	.....	.....	T.	2.7	3.2	0.6	T.	0.9	T.	7.4
Falmouth	.....	.....	.....	.....	6.0	T.	T.	.....	.....	6.0
Irvington	.....	.....	.....	T.	6.0	2.5	T.	T.	T.	8.5
Lexington	.....	.....	T.	0.5	10.0	2.4	T.	T.	T.	12.9
Louisville	.....	.....	T.	T.	10.0	3.0	T.	.....	T.	13.0
Paducah	.....	.....	.....	.....	6.0	.....	.....	.....	.....	6.0
Scott	.....	.....	T.	T.	10.0	1.7	0.1	T.	T.	11.8
Williamsburg	.....	.....	2.0	T.	0.1	.....	T.	.....	.....	2.1
Louisiana.										
Abbeville	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Dodson	.....	.....	.....	.....	0.1	.....	.....	.....	.....	0.1
Farmerville	.....	.....	.....	T.	T.	0.2	.....	.....	.....	0.2
Ferriday	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Franklin	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Liberty Hill	.....	.....	.....	.....	0.5	T.	.....	.....	.....	0.5
Logansport	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Melville	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Minden	.....	.....	.....	.....	.....	0.2	.....	.....	.....	0.2
Monroe	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Newellton	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
New Iberia	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Plain Dealing	.....	.....	.....	T.	.....	.....	.....	.....	.....	T.
Robeline	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Shreveport	.....	.....	.....	.....	0.8	0.3	.....	.....	.....	1.1
Maine.										
Bar Harbor	.....	T.	4.5	9.5	26.0	12.0	16.5	6.0	.....	74.5
Eastport	.....	T.	5.5	16.1	26.0	16.0	14.8	11.7	.....	90.1
Farmington	.....	0.5	8.0	23.5	36.5	13.5	16.5	4.0	.....	102.5
Gardiner	.....	.....	3.8	16.0	32.0	14.0	10.0	1.0	.....	76.8
Lewiston	.....	T.	5.6	19.8	34.2	13.0	11.0	T.	.....	83.6
Orono	.....	T.	2.0	15.0	39.0	14.0	26.5	4.5	.....	101.0
Portland	.....	T.	2.8	13.5	32.3	14.3	6.2	T.	.....	69.1
Rumford	.....	.....	7.5	21.5	42.5	20.2	17.0	4.0	.....	112.7
Winslow	.....	.....	3.0	(*)	23.5	7.5	12.0	1.5	.....	.....
Maryland.										
Baltimore	.....	.....	4.8	7.5	4.4	3.3	11.7	T.	.....	31.7
Cheweville	.....	.....	6.0	4.7	7.2	3.6	3.5	0.8	.....	25.8
Cumberland	.....	.....	9.0	3.2	7.2	2.5	0.5	0.2	.....	22.6
Deer Park	.....	.....	7.0	7.0	17.5	15.0	18.0	5.0	1.5	71.0
Easton	.....	.....	.....	7.0	4.0	3.3	5.0	.....	.....	19.3
Frederick	.....	.....	7.0	7.0	5.6	8.8	5.7	0.4	.....	34.5
Monrovia	.....	.....	6.4	7.4	5.1	6.0	5.5	.....	.....	30.4

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Massachusetts.										
Amherst	.....	.....	3.5	9.0	18.0	5.0	3.5	T.	.....	39.0
Bedford	.....	.....	T.	6.0	8.5	8.0	3.0	.....	.....	25.5
Boston	.....	.....	T.	3.5	11.2	2.3	3.1	.....	.....	20.1
Concord	.....	.....	0.3	6.7	11.8	4.6	3.8	.....	.....	27.2
Fitchburg	.....	.....	3.0	10.0	12.0	6.0	8.0	T.	.....	39.0
Groton	.....	.....	(*)	11.0	(*)	(*)	(*)	.....	.....	.....
Hyannis	.....	.....	(*)	1.0	4.0	1.5	(*)	.....	.....	.....
Jefferson	.....	.....	4.8	7.0	12.2	8.0	6.5	.....	.....	38.5
Nantucket	.....	.....	.....	3.0	5.9	T.	T.	T.	.....	8.9
Plymouth	.....	.....	.....	2.5	8.0	3.0	T.	.....	.....	13.5
Worcester	.....	.....	T.	8.7	13.7	6.9	3.5	T.	.....	32.8
Michigan.										
Adrian	.....	.....	.....	1.5	6.0	6.0	4.0	(*)	T.	.....
Alma	.....	.....	3.0	23.5	11.0	17.0	4.0	10.0	T.	48.5
Alpena	T.	T.	0.8	16.0	3.8	20.8	8.0	13.7	0.8	63.9
Ann Arbor	.....	.....	T.	4.5	9.7	12.0	1.5	2.5	T.	30.2
Arbela	T.	.....	4.0	15.2	11.0	9.5	6.5	14.0	1.5	61.7
Ball Mountain	.....	.....	1.8	10.7	9.9	8.4	6.4	8.0	1.2	46.4
Battle Creek	.....	.....	3.0	8.0	10.0	12.0	3.5	T.	1.0	37.5
Calumet	0.5	T.	30.0	28.5	26.0	28.5	16.2	19.0	3.5	152.2
Charlevoix	T.	T.	3.0	20.0	16.0	9.0	10.0	12.0	T.	70.0
Cheboygan	T.	.....	5.0	24.0	3.0	16.0	17.0	16.0	.....	81.0
Detroit	.....	.....	0.3	6.9	11.4	14.3	5.0	3.0	0.4	41.3
Escanaba	.....	T.	T.	12.4	4.5	29.5	17.0	26.9	T.	90.3
Eloise	.....	.....	T.	3.2	9.5	18.0	3.5	3.0	T.	37.2
Grand Haven	T.	T.	15.7	15.8	11.3	12.2	5.5	3.1	1.9	65.5
Grand Rapids	.....	.....	4.8	7.4	9.0	8.4	2.8	2.9	0.3	35.6
Harrisville	.....	.....	2.8	19.9	9.9	19.7	15.6	10.6	0.2	78.7
Houghton	0.2	0.1	12.4	19.1	17.7	24.1	10.9	17.4	2.7	104.6
Ishpeming	0.3	1.2	3.2	12.4	12.5	24.7	26.1	29.5	2.1	112.0
Ivan	T.	0.5	6.0	25.0	6.0	17.0	13.5	6.0	2.0	76.0
Lansing	.....	.....	3.0	11.1	10.3	11.3	3.9	8.5	1.5	49.6
Mancelona	T.	T.	14.0	23.0	15.0	9.0	13.0	8.0	1.0	83.0
Marquette	T.	2.8	2.0	19.5	8.4	28.0	22.8	27.6	2.9	114.0
Olivet	T.	.....	2.7	12.1	8.7	(*)	5.4	5.6	2.3	.....
Port Austin	.....	.....	T.	18.4	12.0	19.5	6.0	2.0	T.	57.9
Port Huron	.....	.....	1.6	17.2	14.5	20.5	3.9	8.0	0.1	65.8
Sault Ste. Marie	T.	1.4	5.3	26.6	10.3	14.7	15.5	9.6	0.5	83.9
Thornville	.....	.....	2.0	24.0	12.0	24.0	18.0	14.0	2.0	96.0
Minnesota.										
Albert Lea	T.	T.	2.0	9.0	18.0	27.0	8.0	10.0	T.	74.0
Alexandria	T.	.....	3.0	5.0	10.0	7.0	T.	5.0	2.0	32.0
Bird Island	T.	.....	1.4	7.5	7.7	9.3	0.8	(*)	0.4	.....
Caledonia	.....	.....	T.	8.0	16.0	(*)	(*)	13.7	3.0	.....
Collegeville	.....	.....	1.2	9.6	8.0	17.7	1.0	9.0	.....	46.5
Crookston	T.	.....	5.5	10.5	9.0	1.7	8.0	4.0	2.0	40.7
Duluth	.....	.....	1.3	6.8	3.7	13.1	6.7	12.6	1.5	45.7
Detroit City	T.	.....	10.0	7.8	9.0	4.0	6.0	7.0	2.0	45.8
Farmington	T.	T.	1.0	8.0	8.0	18.0	7.0	11.0	0.5	53.5
Fergus Falls	T.	.....	7.8	7.8	7.2	5.6	5.2	12.8	1.0	47.4
Grand Meadow	T.	T.	2.5	10.5	18.3	21.3	17.5	18.1	3.0	91.2
Hallock	.....	.....	2.7	3.8	5.2	1.0	6.0	2.5	T.	21.2
Long Prairie	T.	.....	1.5	4.5	6.0	10.7	2.1	5.0	T.	29.8
Luverne	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Minneapolis	.....	.....	0.3	13.5	12.7	24.2	3.7	8.5	1.8	64.7
Montevideo	T.	.....	0.5	9.6	9.1	15.3	1.8	5.0	1.0	42.3
Moorhead	.....	.....	7.7	4.5	10.3	3.6	3.4	7.2	1.0	37.7
Morris	.....	.....	2.5	7.0	6.0	11.0	3.1	5.2	.....	34.8
Mount Iron	1.0	.....	5.2	14.4	12.1	13.5	11.6	11.5	2.5	71.8
New Ulm	T.	.....	1.5	6.5	19.3	22.8	3.5	2.0	2.5	58.1
Park Rapids	T.	.....	9.7	6.9	9.5	2.6	4.5	18.1	3.1	54.4
Pokegama Falls	0.3	.....	5.2	4.7	13.4	10.9	7.4	14.4	1.0	57.3
Reeds	.....	.....	(*)	(*)	9.6	21.5	(*)	4.0	.....	.....
St. Paul	T.	.....	0.5	13.1	13.2	23.5	4.4	10.8	2.0	67.5
Sandy Lake Dam	1.0	.....	(*)	(*)	13.0	12.5	13.0	25.6	4.0	.....
Winnibigoshish	0.2	.....	12.3	5.1	12.4	6.3	5.0	10.5	0.8	52.6

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Mississippi.										
Austin	.....	.....	.....	1.2	0.5	.....	.....	.....	.....	1.7
Canton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meridian	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vicksburg	.....	.....	.....	.....	.....	T.	.....	.....	.....	T.
Missouri.										
Birch Tree	.....	.....	.....	.....	6.0	0.5	.....	.....	.....	6.5
Brunswick	.....	.....	T.	.....	4.0	8.0	.....	.....	.....	12.0
Columbia	.....	T.	0.7	3.2	11.6	6.5	0.3	.....	T.	22.3
Conception	.....	T.	T.	T.	3.0	1.0	4.0	T.	.....	8.0
Fayette	.....	0.5	0.5	0.5	6.0	0.5	T.	.....	.....	8.0
Gallatin	.....	T.	0.5	(*)	2.0	1.2	2.0	T.	.....	.....
Hannibal	.....	.....	T.	1.6	5.3	5.8	T.	T.	T.	12.7
Harrisonville	.....	4.0	T.	T.	5.0	3.0	0.5	.....	.....	12.5
Houston	.....	.....	.....	.....	12.0	5.0	.....	.....	.....	17.0
Ironton	.....	.....	T.	T.	8.5	2.0	T.	T.	T.	10.5
Kansas City	T.	3.0	0.5	T.	5.3	3.4	1.0	T.	T.	13.2
Lamar	.....	T.	T.	(*)	7.5	5.5	.....	.....	.....	.....
Lebanon	.....	.....	T.	(*)	12.5	5.0	.....	.....	.....	.....
Marble Hill	.....	.....	.....	.....	7.0	1.0	(*)	.....	T.	.....
Neosho	.....	.....	T.	(*)	9.5	2.0	T.	T.	.....	.....
Oakfield	.....	.....	0.8	0.5	14.2	5.0	T.	.....	T.	20.5
Princeton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Louis	.....	.....	T.	0.1	14.2	4.7	0.1	.....	T.	19.1
Springfield	.....	T.	1.2	T.	10.8	5.0	T.	0.2	(*)	.....
Sublett	.....	.....	0.7	.....	4.0	(*)	.....	T.	.....	.....
Montana.										
Adams	T.	T.	.....	0.2	13.0	6.0	0.7	0.4	.....	.....
Adel	7.0	43.0	2.0	2.0	19.0	1.0	5.5	39.0	11.0	129.5
Augusta	5.0	6.0	T.	3.0	19.0	2.0	6.8	18.0	5.5	65.3
Babb	19.5	13.0	T.	3.5	25.5	7.5	4.0	48.0	24.0	145.0
Bowen	.....	7.9	2.0	3.5	18.7	7.6	9.0	7.1	.....	55.8
Broadview Experiment Station	5.8	12.0	3.0	2.8	18.5	3.5	8.6	5.0	.....	59.2
Browning	36.0	(*)	T.	(*)	20.0	6.0	10.0	37.0	14.0	.....
Busby	.....	20.0	2.0	5.7	4.4	4.2	14.7	(*)	(*)	.....
Busteed	T.	12.0	T.	6.0	12.8	4.0	20.7	7.5	4.0	67.0
Butte	.....	13.0	2.0	1.5	16.0	(*)	14.5	8.5	17.0	.....
Canyon Ferry	T.	(*)	0.5	1.0	8.5	.....	6.0	2.0	1.0	.....
Cascade	2.5	10.0	0.8	2.7	12.0	1.5	9.5	12.2	3.7	54.9
Chessman Reservoir	(*)	(*)	7.0	6.0	20.8	2.2	12.7	27.2	9.0	.....
Chester	.....	2.0	.....	0.2	8.0	1.2	1.2	.....	.....	.....
Chouteau	11.0	2.0	.....	.....	16.0	2.0	7.0	14.0	10.0	62.0
Clear Creek	12.0	10.0	.....	5.0	11.0	3.5	10.5	9.5	.....	61.5
Columbia Falls	.....	.....	1.2	6.0	15.0	6.0	5.0	3.5	0.5	37.2
Como	.....	.....	1.0	2.0	36.0	3.0	6.0	4.0	.....	52.0
Copper	2.0	28.2	0.5	4.0	17.5	4.0	10.2	7.2	8.0	81.6
Crow Agency	T.	6.0	5.0	6.0	5.5	4.0	7.5	15.2	.....	49.2
Culbertson	T.	T.	0.5	T.	8.0	T.	1.0	T.	.....	9.5
Cut Bank	7.0	1.0	(*)	T.	15.0	1.0	2.0	2.0	(*)	.....
Dayton	.....	1.0	T.	1.0	24.7	12.0	4.2	1.0	.....	43.9
Decker	1.0	.....	T.	5.0	5.0	T.	1.0	2.0	.....	14.0
Denton	2.0	9.5	0.5	2.0	17.0	2.5	5.2	7.9	0.8	47.4
Dillon	6.0	15.0	0.2	3.5	15.1	2.8	18.5	9.7	11.8	82.6
East Anaconda	0.7	(*)	5.0	3.6	28.4	2.1	21.8	10.4	3.9	.....
Ekalaka	2.2	.....	2.0	2.0	12.0	5.0	7.0	3.0	T.	33.2
Evans	26.6	34.0	5.5	6.0	18.7	4.4	24.2	53.3	16.2	188.9
Forsyth	(*)	(*)	0.0	3.0	5.0	2.0	1.7	4.5	.....	.....
Fort Benton	.....	1.5	0.0	T.	13.0	.....	5.0	7.0	.....	26.5
Fort Shaw	.....	5.0	1.0	0.1	15.0	.....	5.3	1.5	2.0	29.9
Fortine	0.2	0.5	1.2	7.7	15.5	6.0	1.9	7.0	T.	40.0
Garneil	1.5	18.7	0.8	3.2	8.5	0.5	5.7	7.0	(*)	.....
Glendive	.....	T.	T.	1.0	4.5	4.5	T.	0.2	.....	10.2
Goldbutte	(*)	6.0	1.0	1.0	4.3	2.5	7.0	4.3	5.0	.....
Graham	T.	.....	1.0	7.8	3.3	5.8	4.7	13.1	T.	35.7
Grayling	.....	2.0	3.0	(*)	(*)	29.2	4.0	5.5	2.0	.....
Great Falls	.....	7.0	1.1	5.0	17.0	4.5	15.4	(*)	(*)	.....
Hamilton	T.	T.	0.1	0.3	33.5	1.0	3.8	3.0	T.	41.7

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Montana—Continued.										
Harlowton	T.	7.0	.....	3.0	(*)	T.	3.5	2.1	0.5	.....
Havre	0.2	6.4	0.5	2.7	13.0	1.6	2.5	9.1	.....	36.0
Helena	0.3	5.0	2.4	6.7	19.8	2.9	8.2	17.8	2.0	65.1
Homepark	.....	7.5	1.0	3.2	13.0	6.5	14.9	6.0	10.0	62.1
Huntley	T.	1.5	2.0	1.7	6.6	3.0	9.0	1.5	.....	25.3
Kalispell	.....	.....	0.7	2.6	15.6	8.6	3.7	3.7	T.	34.9
Lewistown	7.0	53.0	2.5	4.0	15.0	1.5	12.7	15.5	8.5	119.7
Livingston	3.0	14.0	2.0	6.5	9.5	2.5	6.5	0.5	6.0	50.5
Lonetree	6.0	12.0	.....	1.5	15.0	4.0	10.4	16.0	.....	64.9
Miles City	1.0	3.4	0.7	2.5	7.1	3.6	1.8	6.5	.....	26.6
Moore	8.0	23.0	2.0	6.0	9.0	6.0	20.0	11.0	9.0	94.0
Norris	4.0	6.0	0.5	7.5	0.5	1.0	13.2	9.0	0.4	42.1
Nye	9.0	21.0	5.5	9.2	12.5	5.0	16.5	36.2	2.5	117.4
Ovando	(*)	(*)	4.5	6.0	25.5	36.0	6.9	12.9	7.0	.....
Philipsburg	0.5	10.0	2.3	4.0	20.0	1.5	18.5	14.8	7.5	79.1
Plains	.....	(*)	(*)	2.0	24.0	2.0	4.0	8.0	.....	.....
Pleasant Valley	.....	.....	.....	11.9	(*)	10.0	8.0	(*)	.....	.....
Poplar	T.	2.0	T.	0.1	8.2	6.0	T.	T.	(*)	.....
Raymond	24.7	(*)	T.	1.1	10.0	3.0	1.0	15.7	.....	.....
Red Lodge	7.0	16.0	4.5	15.0	7.7	1.0	23.1	37.0	7.5	118.8
Renova	T.	6.3	1.5	0.2	11.5	0.2	7.5	5.7	0.5	33.4
Rimini	(*)	(*)	6.7	6.2	26.7	6.0	15.9	36.5	16.2	.....
St. Ignatius	(*)	(*)	2.8	3.0	25.8	1.5	6.0	10.0	.....	.....
St. Regis	T.	0.5	0.5	1.7	32.5	10.0	3.9	(*)	.....	.....
Sedan	9.5	14.0	5.0	9.0	26.7	10.7	16.0	15.3	8.1	114.3
Snowshoe	3.5	9.9	8.8	66.2	73.1	75.9	21.7	23.9	6.7	289.7
Springbrook	19.5	10.5	2.1	2.2	11.5	9.4	4.7	2.7	T.	62.6
Tokna	1.0	T.	T.	0.4	6.0	2.0	T.	(*)	.....	.....
Toston	T.	T.	T.	0.5	22.0	.....	T.	(*)	.....	.....
Utica	.....	64.0	.....	2.7	15.5	1.0	18.0	12.2	(*)	.....
Nebraska.										
Alliance	T.	.....	2.5	5.0	5.5	12.2	5.0	4.5	(*)	.....
Ashland	.....	T.	1.0	1.5	3.8	1.6	2.5	T.	.....	10.4
Ashton	.....	T.	T.	T.	(*)	(*)	(*)	.....	.....	.....
Auburn	.....	3.0	0.5	2.5	2.1	1.0	10.5	T.	.....	19.6
Beatrice	.....	.....	(*)	1.0	4.0	2.0	7.0	.....	.....	.....
Beaver	.....	.....	4.0	T.	T.	9.5	2.0	T.	.....	15.5
Calaway	.....	.....	T.	.....	3.0	15.0	(*)	(*)	.....	.....
Culbertson	.....	.....	1.8	.....	.....	(*)	(*)	6.2	.....	.....
Dawson	.....	T.	T.	T.	0.7	(*)	10.0	.....	.....	.....
Ericson	.....	.....	(*)	1.0	(*)	(*)	(*)	.....	.....	.....
Fairmont	.....	.....	4.5	T.	0.5	3.5	5.2	T.	.....	13.7
Geneva	.....	T.	5.5	T.	1.8	3.0	5.5	T.	.....	15.8
Genoa	.....	T.	4.0	1.0	4.0	4.2	3.5	2.9	.....	19.6
Hartington	.....	.....	1.0	5.2	7.0	18.0	6.5	(*)	.....	.....
Hay Springs	T.	.....	3.0	9.0	9.0	11.5	16.0	(*)	T.	.....
Kimball	T.	4.5	6.0	3.0	1.0	17.0	8.0	6.0	.....	45.5
Kirkwood	.....	T.	1.0	7.0	3.0	14.0	6.0	3.0	.....	34.0
Lincoln	.....	T.	1.6	1.0	5.2	2.7	4.5	T.	T.	15.0
Norfolk	.....	T.	T.	3.0	7.5	13.0	2.5	8.5	.....	34.5
North Loup	.....	.....	0.1	0.2	3.0	6.0	2.0	6.0	.....	17.3
North Platte	.....	(*)	4.7	2.9	3.3	14.2	6.1	4.3	.....	.....
Omaha	.....	T.	1.1	2.7	5.0	4.7	4.9	1.3	.....	19.7
St. Libory	.....	.....	5.0	T.	(*)	(*)	(*)	.....	.....	.....
Valentine	T.	.....	5.9	14.3	8.4	9.4	10.6	7.5	T.	56.1
West Point	.....	T.	6.5	1.0	7.0	13.0	3.0	2.0	.....	32.5
Nevada.										
Elko	.....	3.0	(*)	(*)	(*)	2.7	3.0	0.2	T.	.....
Golconda	.....	(*)	(*)	(*)	4.0	6.0	2.0	(*)	(*)	.....
Halleck	(*)	1.0	0.5	2.0	1.5	5.5	9.0	(*)	.....	.....
Humboldt	.....	(*)	(*)	(*)	0.1	1.0	T.	(*)	.....	.....
Palmetto	.....	(*)	(*)	(*)	(*)	10.0	23.0	2.0	2.0	.....
Potts	.....	2.0	3.0	2.5	9.0	8.5	5.0	1.0	(*)	.....
Reno	.....	T.	1.1	2.6	6.0	7.2	3.1	(*)	(*)	.....
Tecoma	.....	T.	T.	T.	6.0	10.0	2.0	T.	.....	18.0
Tonopah	.....	1.0	T.	1.4	4.0	7.2	2.3	.....	T.	15.9
Winnemucca	.....	0.8	0.1	0.3	5.5	9.6	3.7	0.4	T.	20.4

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New Hampshire.										
Bethlehem	.....	1.0	8.0	(*)	38.0	11.5	18.5	4.0	.....	.....
Brookline	.....	.....	4.5	11.0	13.0	5.1	6.6	T.	.....	40.2
Concord	.....	.....	5.1	13.7	18.6	4.1	8.7	1.7	.....	51.9
Grafton	.....	.....	7.0	13.0	23.0	5.0	17.5	2.0	T.	67.5
New Jersey.										
Asbury Park	.....	.....	T.	9.0	9.5	1.9	5.0	T.	.....	25.4
Atlantic City	.....	.....	.....	5.3	4.5	3.8	0.3	.....	.....	13.9
Belvidere	.....	.....	7.0	7.0	8.0	1.9	7.5	1.2	.....	32.6
Bridgeton	.....	.....	.....	8.0	5.0	3.0	3.0	T.	.....	19.0
Cape May	.....	.....	.....	5.0	4.0	3.5	2.0	T.	.....	14.5
Dover	.....	T.	5.0	8.5	7.6	1.3	7.5	3.0	.....	32.9
New Brunswick	.....	.....	2.0	9.0	(*)	3.0	4.0	T.	.....	.....
Sussex	.....	.....	5.5	7.5	10.0	1.0	6.5	3.0	.....	33.5
New Mexico.										
Albert	.....	.....	7.5	(*)	(*)	(*)	.....	.....	.....	.....
Fort Union	.....	2.5	7.1	T.	T.	3.5	(*)	5.0	.....	.....
Las Vegas	.....	8.0	9.0	2.5	1.0	5.0	10.0	5.0	.....	40.5
Roswell	.....	.....	5.1	(*)	0.2	0.2	7.9	.....	.....	.....
Santa Fe	T.	3.6	14.8	0.6	5.2	6.3	7.7	2.2	T.	40.4
New York.										
Adams	.....	T.	11.0	40.0	38.5	26.0	30.5	9.5	3.0	158.5
Albany	.....	T.	1.7	8.7	13.6	7.1	10.3	T.	.....	41.4
Baldwinsville	.....	T.	(*)	6.0	(*)	(*)	(*)	(*)	.....	.....
Bedford	.....	.....	1.5	7.2	7.0	T.	4.0	2.5	.....	22.2
Binghamton	.....	T.	4.4	9.7	12.5	1.3	15.3	2.6	T.	45.8
Bolivar	.....	T.	1.7	9.6	17.4	10.0	10.9	9.0	1.5	60.1
Bouckville	.....	1.0	13.0	20.0	26.0	16.0	23.5	3.5	1.0	103.0
Buffalo	.....	T.	4.8	17.1	19.5	9.2	16.3	6.4	5.2	78.5
Canton	.....	T.	8.0	19.1	13.4	18.1	30.4	5.8	0.1	94.9
Carmel	.....	.....	3.0	8.8	5.5	2.0	6.5	5.0	.....	30.8
Cooperstown	.....	T.	3.0	15.5	21.5	8.0	14.5	5.0	T.	67.5
Franklinville	.....	T.	9.3	(*)	16.5	12.5	(*)	6.5	1.0	.....
Glens Falls	.....	T.	5.0	19.9	18.0	11.5	13.5	T.	T.	67.9
Gloversville	.....	T.	6.3	28.8	30.5	8.0	12.3	2.1	T.	88.0
Ithaca	.....	T.	3.0	10.9	21.8	5.4	9.0	3.9	T.	54.0
Jamestown	.....	.....	8.2	27.0	18.0	14.5	(*)	(*)	.....	.....
Little Falls	.....	T.	12.5	22.5	24.5	14.0	19.5	8.0	T.	101.0
Lowville	.....	.....	3.0	18.0	9.8	23.5	16.3	(*)	.....	.....
New Lisbon	.....	1.0	7.0	19.0	18.0	7.0	11.0	4.0	.....	67.0
New York	.....	.....	0.6	5.1	9.5	1.4	4.1	T.	T.	20.7
Oswego	.....	T.	5.8	13.9	25.7	7.8	7.7	4.9	T.	65.8
Oxford	.....	T.	5.5	25.6	25.0	7.0	10.5	8.0	.....	81.6
Rochester	.....	0.5	4.6	10.0	22.5	6.1	9.7	9.8	3.3	66.5
Saranac Lake	.....	.....	14.7	(*)	21.5	17.5	(*)	2.5	.....	.....
Setauket	.....	.....	T.	4.5	7.0	T.	8.0	2.0	.....	21.5
Syracuse	.....	T.	5.6	9.8	32.5	10.6	29.2	5.5	T.	93.2
North Carolina.										
Asheville	.....	1.7	0.2	0.3	0.3	0.3	0.3	T.	.....	3.1
Charlotte	.....	.....	.....	0.1	T.	.....	.....	.....	.....	0.1
Edenton	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Henderson	.....	.....	.....	2.5	T.	T.	.....	.....	.....	2.5
Patterson	.....	.....	3.5	0.8	T.	.....	.....	.....	.....	4.3
Raleigh	.....	.....	.....	T.	.....	.....	.....	.....	.....	T.
Scotland Neck	.....	.....	.....	.....	0.5	.....	.....	.....	.....	0.5
Weldon	.....	.....	T.	0.8	1.0	T.	T.	.....	.....	1.8
North Dakota.										
Berlin	T.	4.0	12.1	6.5	2.0	3.5	1.0	6.0	.....	35.1
Bismarck	.....	0.3	16.7	1.3	2.1	4.2	3.6	7.4	0.5	36.1
Devils Lake	T.	0.6	6.6	4.8	4.5	6.0	3.9	5.0	T.	31.4
Dickinson	T.	0.5	7.3	2.4	2.7	5.0	2.5	3.2	1.0	24.6
Forman	.....	.....	2.0	9.0	1.0	6.0	1.0	T.	.....	19.0
Fullerton	T.	6.0	14.9	7.9	8.1	6.4	2.3	9.7	.....	55.3

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North Dakota—Continued.										
Hamilton	0.4	T.	12.5	7.7	(*)	(*)	(*)	(*)	.....	.....
McKinney	.....	1.0	16.0	1.2	5.5	2.0	4.2	4.5	T.	34.4
Mayville	.....	.....	3.0	5.7	3.0	(*)	5.0	1.5	.....	.....
Medora	.....	.....	8.0	2.0	6.0	6.0	3.5	0.9	.....	26.4
Melville	.....	3.0	6.0	T.	T.	3.0	(*)	8.8	.....	.....
Napoleon	.....	T.	3.5	4.5	1.0	3.0	2.0	7.0	T.	21.0
University	T.	.....	3.4	2.5	8.6	1.0	2.7	3.0	.....	21.2
Williston	0.1	0.3	1.4	0.1	3.1	1.0	1.2	0.8	T.	8.0
Ohio.										
Akron	.....	.....	1.5	9.8	16.5	5.9	6.9	2.3	T.	42.9
Cincinnati	.....	.....	T.	T.	11.3	2.7	0.2	0.1	T.	14.3
Cleveland	.....	T.	2.5	5.2	23.5	9.8	10.3	1.8	0.4	53.5
Columbus	.....	.....	T.	0.2	13.4	1.3	0.9	0.4	T.	16.2
Dayton	.....	.....	T.	T.	16.0	3.8	0.7	T.	T.	20.5
Defiance	.....	.....	0.2	3.5	8.5	7.2	0.8	0.1	0.2	20.5
Garrettsville	.....	T.	1.8	8.8	15.0	7.0	10.8	2.0	T.	45.4
Gratiot	.....	.....	0.8	3.2	18.3	1.9	4.0	2.0	0.4	30.6
Jacksonburg	.....	.....	(*)	(*)	18.0	3.0	T.	T.	T.	.....
McConnelsville	.....	.....	1.0	1.5	10.5	1.0	1.8	2.2	T.	18.0
Marietta	.....	.....	1.5	0.2	6.2	0.2	0.4	1.0	.....	9.5
Marion	.....	.....	T.	4.5	16.1	5.1	6.1	1.4	T.	33.2
Medina	.....	.....	T.	8.0	15.0	9.0	9.0	6.0	T.	47.0
Millport	.....	.....	0.5	4.1	14.0	4.1	5.4	2.0	T.	30.1
Napoleon	.....	.....	0.5	2.5	12.5	4.0	5.5	T.	.....	25.0
New Waterford	.....	.....	3.5	9.0	24.0	2.0	8.0	T.	T.	46.5
Oberlin	.....	.....	0.1	T.	17.5	(*)	(*)	(*)	T.	.....
Pomeroy	.....	.....	(*)	(*)	3.0	(*)	(*)	(*)	.....	.....
Portsmouth	.....	.....	0.5	1.0	9.0	T.	(*)	T.	.....	.....
Rockyridge	.....	.....	T.	2.2	12.5	14.8	3.0	T.	T.	32.5
Sandusky	.....	.....	0.1	3.9	15.3	9.1	1.6	0.2	T.	30.2
Shenandoah	.....	.....	0.6	7.0	11.9	5.8	7.8	0.9	T.	34.0
Sidney	.....	.....	0.1	3.0	12.0	5.9	2.6	0.8	0.2	24.6
Toledo	.....	.....	0.9	3.2	15.8	13.1	1.9	0.1	0.1	35.1
Wauseon	T.	T.	1.0	8.6	19.0	14.8	6.2	1.0	0.4	51.0
Oklahoma.										
Ardmore	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Fairland	.....	.....	.....	.....	7.0	1.0	T.	.....	.....	8.0
Guthrie	.....	.....	.....	.....	1.2	1.0	7.0	.....	.....	9.2
Hartshorne	.....	.....	.....	.....	3.5	2.0	.....	.....	.....	5.5
Healdton	.....	.....	.....	T.	2.0	T.	T.	.....	.....	2.0
Hennessey	.....	T.	.....	.....	3.5	3.0	6.0	.....	.....	12.5
Kingfisher	.....	.....	.....	T.	1.2	T.	8.8	.....	.....	10.0
Muskogee	.....	.....	.....	.....	4.5	T.	.....	.....	.....	4.5
Oklahoma	.....	.....	.....	.....	0.8	0.8	1.6	.....	.....	3.2
Perry	.....	.....	.....	.....	2.0	2.0	4.0	.....	.....	8.0
Pennsylvania.										
Aleppo	.....	.....	3.0	6.0	16.0	T.	3.0	1.0	T.	29.0
Baldwin	.....	.....	5.0	11.0	17.5	1.7	2.0	(*)	T.	.....
Clearfield	.....	T.	6.1	9.4	14.0	4.0	1.0	T.	T.	34.5
Emporium	.....	T.	4.0	12.5	16.8	5.2	5.2	5.5	0.5	49.7
Ephrata	.....	.....	8.0	10.9	7.9	2.7	9.5	T.	.....	39.0
Erie	.....	.....	8.1	10.4	17.1	12.0	8.8	8.9	1.2	66.5
Everett	.....	.....	8.5	2.0	14.0	5.0	4.0	T.	T.	33.5
Gettysburg	.....	.....	8.0	6.0	14.5	2.5	6.5	T.	.....	37.5
Greenville	.....	T.	2.2	15.0	19.2	3.0	11.2	2.0	T.	52.6
Harrisburg	.....	.....	8.4	9.1	7.8	2.3	8.0	T.	.....	35.6
Huntingdon	.....	.....	5.0	9.0	11.0	4.0	3.5	T.	T.	32.5
Johnstown	.....	T.	8.0	4.0	14.6	3.7	9.4	2.0	T.	41.7
Lock Haven	.....	T.	7.5	25.0	17.0	6.5	4.0	5.0	T.	65.0
Mauch Chunk	.....	.....	7.8	14.6	12.5	3.2	9.2	1.5	.....	48.8
Philadelphia	.....	.....	2.3	6.0	4.9	2.2	4.7	.....	.....	20.1
Pittsburg	.....	.....	3.4	1.3	16.3	0.5	3.9	0.8	T.	26.2
Scranton	.....	T.	5.7	13.1	11.6	2.7	13.0	6.8	T.	52.9
Selinsgrove	.....	.....	3.0	10.5	16.0	3.8	3.0	0.2	.....	36.5
Somerset	.....	.....	10.0	8.7	15.4	13.0	18.9	6.4	T.	72.4

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	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	
Pennsylvania—Continued.										
Towanda	.....	T.	2.3	15.7	14.7	4.4	8.3	4.0	T.	49.4
Warren	.....	.....	8.1	13.6	15.8	15.9	16.7	8.0	1.8	79.9
Wellsboro	.....	T.	5.0	12.0	20.0	3.0	6.0	8.0	T.	54.0
Williamsport	.....	.....	3.0	9.5	16.2	5.0	1.7	4.0	.....	39.4
Oregon.										
Ashland	.....	.....	.....	1.2	5.1	10.4	3.2	.....	.....	19.9
Astoria	.....	.....	.....	0.1	12.1	.....	0.5	.....	.....	12.7
Baker City	.....	0.1	1.3	5.5	15.1	0.9	7.8	2.1	0.8	33.6
Bay City	.....	.....	.....	.....	9.5	.....	.....	.....	.....	9.5
Corvallis	.....	.....	.....	T.	23.0	T.	.....	.....	.....	23.0
Dayville	.....	.....	T.	0.5	10.5	0.4	(*)	0.1	.....	.....
Eugene	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Falls City	.....	.....	.....	T.	(*)	.....	.....	.....	.....	.....
Grants Pass	.....	.....	.....	.....	13.5	0.5	T.	.....	.....	14.0
Hood River	.....	.....	.....	(*)	23.0	5.0	(*)	T.	.....	.....
Joseph	.....	0.7	6.0	9.0	21.0	14.5	14.5	0.2	12.0	77.9
La Grande	.....	T.	2.5	8.5	8.5	1.1	2.0	2.2	.....	24.8
Newport	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Pompeii	.....	38.0	9.0	54.5	54.0	68.0	49.0	33.0	19.0	324.5
Portland	.....	.....	.....	0.7	15.1	.....	.....	T.	.....	15.8
Riverside	.....	.....	.....	0.5	8.0	1.5	T.	0.5	.....	10.5
Roseburg	.....	.....	.....	.....	11.7	0.5	.....	.....	.....	12.2
Silverlake	.....	.....	T.	4.0	9.5	5.3	T.	T.	T.	18.8
The Dalles	.....	.....	.....	6.5	29.0	0.5	.....	.....	.....	36.0
Toledo	.....	.....	.....	.....	4.1	0.5	.....	.....	.....	4.6
Vale	.....	.....	T.	2.0	16.0	T.	.....	.....	.....	18.0
Weston	.....	.....	3.0	0.5	22.0	0.5	.....	T.	T.	26.0
Rhode Island.										
Block Island	.....	T.	.....	3.6	0.8	T.	T.	0.8	.....	5.2
Bristol	.....	.....	T.	0.5	9.0	1.0	2.5	1.5	.....	14.5
Kingston	.....	.....	T.	0.5	15.0	T.	2.0	1.5	.....	19.0
Narragansett Pier	.....	.....	.....	7.0	8.5	T.	0.5	0.5	.....	16.5
Pawtucket	.....	.....	.....	(*)	8.8	2.5	1.5	(*)	.....	.....
Providence	.....	.....	T.	2.1	10.4	3.2	3.5	1.0	.....	20.2
South Carolina.										
Charleston	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Cheraw	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Clemson College	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Columbia	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Florence	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Georgetown	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Greenville	.....	.....	.....	T.	.....	T.	.....	.....	.....	T.
Smiths Mills	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Statesburg	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Trenton	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
Walhalla	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.0
South Dakota.										
Aberdeen	.....	T.	4.2	10.0	13.5	9.0	2.2	0.8	.....	39.7
Alexandria	.....	T.	T.	5.0	5.5	11.0	1.5	T.	.....	23.0
Armour	.....	T.	1.0	7.5	1.5	8.7	7.0	1.0	.....	26.7
Ashcroft	.....	T.	3.0	5.0	12.0	11.0	10.0	8.0	.....	49.0
Brookings	.....	0.6	0.5	4.5	11.0	15.5	4.0	6.0	.....	42.1
Canton	.....	.....	0.3	7.0	(*)	18.0	4.1	.....	.....	.....
Chamberlain	.....	.....	T.	8.0	3.8	7.0	T.	T.	.....	18.8
Clark	T.	1.7	1.6	11.0	8.0	12.1	4.2	1.2	T.	39.8
De Smet	.....	T.	1.0	3.0	10.0	14.0	2.0	3.0	.....	33.0
Elkpoint	T.	.....	0.5	(*)	(*)	18.2	7.0	8.0	T.	.....
Forestburg	.....	.....	1.0	10.0	9.4	20.0	T.	T.	.....	40.4
Gannvalley	.....	.....	3.5	8.0	12.0	7.0	1.5	2.0	.....	34.0
Howard	.....	T.	T.	4.5	5.0	8.0	1.5	2.5	.....	21.5
Huron	.....	T.	2.0	10.4	6.5	15.8	1.8	0.7	.....	37.2
Marion	.....	T.	T.	6.0	4.3	10.5	6.0	2.8	.....	29.6
Menno	.....	2.0	1.0	6.1	5.1	24.0	4.9	3.0	.....	46.1

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South Dakota—Continued.										
Milbank	.....	0.1	4.2	14.0	6.7	12.5	0.2	1.4	.....	39.1
Oelrichs	.....	1.0	.....	3.8	14.5	5.5	(*)	(*)	.....	.....
Pierre	.....	.....	3.4	6.6	3.9	6.7	T.	1.5	.....	22.1
Rapid City	T.	1.7	0.1	10.2	1.1	4.6	2.3	1.9	0.2	22.1
Sioux Falls	T.	T.	0.2	5.5	8.3	25.5	5.0	6.0	T.	50.5
Spearfish	.....	6.0	10.0	6.7	T.	3.0	T.	T.	.....	25.7
Yankton	.....	T.	0.6	6.8	7.9	18.8	10.3	4.2	.....	48.6
Tennessee.										
Ashwood	.....	.....	.....	.....	1.0	0.5	.....	.....	.....	1.5
Bristol, Va	.....	.....	2.5	0.5	T.	T.	.....	T.	.....	3.0
Carthage	.....	.....	0.2	.....	3.8	.....	.....	.....	.....	4.0
Chattanooga	.....	.....	0.2	.....	0.2	0.1	.....	.....	.....	0.5
Decatur	.....	.....	2.0	.....	0.5	T.	.....	.....	.....	2.5
Florence	.....	.....	.....	T.	1.0	T.	T.	.....	.....	1.0
Jonesboro	.....	.....	.....	T.	4.0	T.	T.	T.	.....	4.0
Knoxville	.....	.....	3.8	T.	T.	T.	T.	T.	.....	3.8
Memphis	.....	.....	.....	T.	0.6	T.	.....	.....	.....	0.6
Nashville	.....	.....	.....	T.	0.5	0.1	T.	.....	T.	0.6
Palmetto	.....	.....	T.	.....	T.	.....	T.	.....	.....	T.
Pope	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Rugby	.....	.....	6.0	1.0	2.0	T.	1.5	T.	T.	10.5
Tellico Plains	.....	.....	1.0	.....	0.3	.....	T.	.....	.....	1.3
Texas.										
Abilene	.....	.....	.....	.....	1.0	.....	.....	.....	.....	1.0
Amarillo	.....	1.0	1.3	.....	0.6	T.	12.5	1.6	.....	17.0
Ballinger	.....	.....	.....	.....	1.5	.....	.....	.....	.....	1.5
Big Springs	.....	.....	.....	.....	T.	.....	.....	T.	.....	T.
Corpus Christi	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Dallas	.....	.....	.....	.....	2.0	.....	.....	.....	.....	2.0
Del Rio	.....	.....	T.	.....	.....	.....	.....	.....	.....	T.
El Paso	.....	.....	.....	T.	T.	0.6	0.6	.....	.....	1.2
Fort Worth	.....	.....	.....	.....	T.	T.	.....	.....	.....	T.
Haskell	.....	.....	.....	.....	T.	T.	T.	.....	.....	T.
Mount Blanco	.....	.....	.....	.....	1.0	.....	11.0	.....	.....	12.0
Palestine	.....	.....	T.	.....	0.1	0.2	.....	.....	.....	0.3
San Antonio	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Taylor	.....	.....	.....	.....	T.	.....	.....	.....	.....	T.
Utah.										
Corinne	.....	.....	3.0	5.0	4.0	8.0	2.0	.....	.....	22.0
Deseret	.....	.....	3.0	7.0	8.0	11.0	9.0	2.0	.....	40.0
Heber	.....	.....	14.0	14.0	16.0	28.0	11.0	.....	.....	83.0
Huntsville	.....	5.0	7.0	10.0	20.0	25.5	17.0	6.0	2.0	92.5
Levan	.....	12.0	5.3	14.0	13.8	18.9	8.3	9.2	.....	81.5
Loa	.....	7.0	(*)	6.0	4.0	14.0	(*)	.....	.....	.....
Marysvale	.....	12.5	0.5	11.6	10.2	12.8	1.6	4.6	.....	53.8
Moab	.....	2.0	3.6	3.0	(*)	(*)	5.0	.....	.....	.....
Modena	.....	10.0	0.3	8.4	2.5	8.0	10.2	0.2	.....	39.6
Mount Pleasant	.....	6.0	0.2	(*)	(*)	(*)	2.0	.....	.....	.....
Ogden	T.	6.0	6.0	7.0	11.0	24.5	4.0	.....	.....	58.5
Parowan	.....	.....	5.0	(*)	(*)	(*)	(*)	.....	.....	.....
Pinto	.....	17.0	4.0	8.0	5.0	(*)	(*)	.....	.....	.....
Richfield	.....	4.5	T.	6.0	12.0	12.0	2.5	.....	.....	37.0
Salt Lake City	T.	0.1	20.7	6.2	6.9	12.7	11.0	3.4	.....	61.0
Vermont.										
Burlington	.....	T.	4.6	14.1	18.4	19.5	14.1	2.7	T.	73.4
Chelsea	.....	.....	11.0	25.0	36.0	11.0	19.0	6.0	.....	108.0
Enosburg Falls	.....	T.	12.0	24.0	26.0	21.5	13.5	7.5	T.	104.5
Northfield	.....	0.4	9.3	23.1	37.0	12.7	20.0	4.5	T.	107.0
Virginia.										
Bigstone Gap	.....	.....	4.4	T.	1.0	4.2	.....	.....	.....	9.6
Blacksburg	.....	.....	10.0	9.0	1.0	0.7	2.9	T.	T.	23.6
Burkes Garden	.....	4.0	9.0	10.0	2.0	2.0	5.0	2.0	T.	34.0

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Virginia—Continued.										
Callaville	.....	.....	(*)	2.0	1.0	(*)	(*)	.....	.....	.....
Cape Henry	.....	.....	T.	.....	0.5	T.	T.	.....	.....	0.5
Charlottesville	.....	.....	3.8	16.0	5.8	4.5	10.5	.....	.....	40.6
Dale Enterprise	.....	.....	10.0	13.0	9.0	6.0	5.0	T.	.....	43.0
Fredericksburg	.....	.....	T.	14.0	5.5	3.0	1.8	.....	.....	24.3
Hot Springs	.....	.....	9.0	8.5	5.6	3.2	6.5	1.0	.....	33.8
Lynchburg	.....	.....	3.5	10.9	0.1	1.8	4.5	.....	.....	20.8
Mount Weather	.....	.....	3.3	10.2	5.0	8.8	2.4	0.2	.....	29.9
Norfolk	.....	.....	.....	T.	1.0	T.	T.	.....	.....	1.0
Richmond	.....	.....	T.	17.2	0.2	4.1	3.8	.....	.....	25.3
Stevens City	.....	.....	6.0	8.0	10.0	(*)	(*)	1.0	.....	.....
Wytheville	.....	T.	10.5	8.8	2.4	3.3	1.2	0.1	T.	26.3
Washington.										
Aberdeen	.....	.....	.....	.....	9.0	4.2	T.	T.	.....	13.2
Clearwater	.....	.....	.....	.....	26.1	0.7	4.4	2.0	.....	33.2
Cle Elum	.....	.....	T.	20.0	29.0	9.5	3.0	.....	.....	61.5
Ellensburg	.....	.....	1.0	5.8	12.2	2.2	.....	.....	.....	21.2
La Center	.....	.....	.....	0.2	19.5	0.5	.....	0.5	.....	20.7
Lakeside	.....	.....	T.	4.5	20.5	11.5	.....	.....	.....	36.5
Moxee	.....	.....	.....	2.6	11.6	T.	.....	.....	.....	14.2
North Head	.....	.....	.....	.....	10.1	T.	.....	.....	.....	10.1
Olga	.....	.....	.....	.....	T.	.....	T.	.....	.....	T.
Olympia	.....	.....	.....	.....	.....	10.5	.....	.....	.....	10.5
Pinehill	.....	.....	.....	.....	42.0	9.0	T.	T.	.....	51.0
Port Crescent	.....	.....	.....	.....	14.2	T.	T.	.....	.....	14.2
Pullman	.....	T.	2.0	3.2	24.0	10.5	2.5	0.2	.....	42.4
Rosalia	.....	1.0	.....	8.0	16.0	7.4	T.	T.	.....	32.4
Seattle	.....	.....	.....	.....	14.6	1.0	.....	.....	.....	15.6
Spokane	.....	.....	0.7	9.4	20.2	9.1	0.1	T.	.....	39.5
Tacoma	.....	.....	.....	.....	25.9	4.2	T.	.....	.....	30.1
Tatoosh Island	.....	.....	.....	T.	14.5	T.	0.8	.....	.....	15.3
Walla Walla	.....	.....	T.	0.7	21.1	2.5	0.8	T.	.....	25.1
Waterville	.....	3.0	T.	6.3	19.8	11.0	.....	1.0	.....	41.1
Wenatchie	.....	.....	T.	5.5	28.8	12.0	0.7	1.5	.....	48.5
West Virginia.										
Charleston	.....	.....	4.0	4.0	0.2	T.	T.	T.	.....	8.2
Elkins	.....	.....	5.1	9.3	4.8	5.7	11.3	4.8	0.1	41.1
Fairmont	.....	.....	4.0	2.5	4.5	0.4	1.0	1.0	.....	13.4
Glenville	.....	.....	6.0	5.0	6.5	T.	1.0	1.0	.....	19.5
Grafton	.....	.....	4.2	5.6	10.9	3.0	3.5	1.5	.....	28.7
Huntington	.....	.....	1.0	5.5	3.0	T.	T.	T.	.....	9.5
Lewisburg	.....	.....	9.0	13.2	5.0	4.5	7.5	0.2	T.	39.4
Martinsburg	.....	.....	8.0	5.5	11.0	0.5	3.5	.....	.....	28.5
Parkersburg	.....	.....	1.5	1.4	8.4	1.6	T.	0.2	.....	13.1
Pickens	.....	.....	5.0	12.0	12.0	22.0	24.0	15.0	0.5	90.5
Point Pleasant	.....	.....	2.0	3.0	6.0	T.	T.	.....	.....	11.0
Princeton	.....	T.	14.0	17.0	9.0	2.5	12.0	3.0	T.	57.5
Wisconsin.										
Antigo	.....	.....	0.5	16.5	2.5	20.0	15.0	16.5	T.	71.0
Brodhead	.....	.....	0.5	5.0	9.5	6.5	2.0	2.0	T.	25.5
Butternut	.....	.....	(*)	(*)	4.0	(*)	(*)	.....	.....	.....
Eau Claire	T.	.....	0.6	9.2	8.8	17.5	11.7	11.4	1.8	61.0
Florence	T.	.....	2.0	17.5	8.0	23.0	24.2	17.5	1.0	93.2
Grantsburg	T.	.....	(*)	9.0	8.0	21.5	4.5	32.5	5.0	.....
Green Bay	.....	.....	T.	13.5	4.8	13.5	12.3	4.3	0.5	48.9
Koepenick	2.0	.....	8.0	17.0	(*)	(*)	(*)	(*)	2.0	.....
La Crosse	.....	.....	0.2	8.0	12.5	16.9	15.2	10.8	0.3	63.9
Madison	.....	.....	T.	7.8	13.6	12.7	4.2	0.8	0.4	39.5
Medford	T.	.....	2.0	14.5	3.0	15.0	9.0	23.6	.....	67.1
Milwaukee	.....	.....	T.	8.7	12.8	16.5	2.0	1.4	2.1	43.5
Neillsville	.....	.....	1.5	12.0	8.0	25.0	18.6	.....	.....	65.1
Osceola	T.	.....	T.	9.0	10.0	19.0	12.0	22.0	0.1	72.1
Pine River	.....	.....	T.	18.6	7.7	14.4	8.3	8.6	0.1	57.7
Portage	.....	.....	T.	10.0	7.0	9.0	14.0	5.0	T.	45.0
Port Washington	.....	.....	.....	10.0	15.0	15.0	4.5	6.0	0.2	50.7

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Wisconsin—Continued.										
Prairie du Chien	.....	.....	0.8	5.5	8.2	9.2	9.5	0.2	0.2	33.6
Sheboygan	.....	.....	T.	17.5	14.5	23.0	10.0	9.5	T.	74.5
Valley Junction	T.	.....	1.0	14.0	14.0	23.5	20.2	10.0	3.0	85.7
Viroqua	T.	T.	0.5	9.5	18.0	12.0	9.0	2.5	T.	51.5
Watertown	.....	.....	T.	9.0	13.0	13.0	6.5	1.0	0.2	42.7
Waupaca	.....	.....	T.	19.5	5.5	18.5	15.8	8.0	.....	67.3
Wyoming.										
Bedford	T.	T.	3.4	7.0	40.9	28.3	14.9	3.5	.....	58.0
Cheyenne	0.4	8.1	6.4	8.3	4.1	15.9	35.9	9.6	0.1	88.8
Evanston	1.0	3.0	4.0	4.0	22.0	13.0	10.0	5.0	2.0	64.0
Fort Laramie	.....	.....	3.0	5.6	3.0	(*)	15.1	2.0	T.	.....
Lander	3.3	25.4	7.1	10.3	4.3	7.6	18.4	20.1	1.5	98.0
Laramie	.....	2.4	4.0	3.9	3.6	3.1	11.3	7.5	3.0	38.8
Sheridan	1.5	10.4	1.8	3.1	6.5	4.3	7.1	16.0	T.	50.7
Yellowstone Park	0.8	8.1	4.3	8.3	23.3	12.2	11.6	8.8	4.3	81.7
Canadian stations.										
St. Johns	.....	.....	0.5	20.3	9.0	25.7	17.0	5.0	.....	77.5
Sydney	.....	.....	2.2	17.4	19.5	13.0	19.5	8.0	.....	79.6
Halifax	.....	.....	0.3	8.0	21.0	9.6	14.9	19.5	.....	73.3
Grand Manan	.....	T.	1.3	10.5	35.5	6.0	7.1	13.2	.....	73.6
Yarmouth	.....	0.2	2.1	11.3	17.8	6.7	10.7	10.1	T.	58.9
Charlottetown	.....	.....	3.1	16.1	15.7	13.0	26.5	14.5	T.	88.9
Chatham	.....	1.0	4.1	23.6	24.8	16.8	19.9	22.0	.....	112.2
Father Point	.....	1.8	24.5	36.6	13.6	10.7	25.6	3.8	.....	116.6
Quebec	.....	T.	8.1	37.7	40.7	34.4	31.8	3.3	0.3	156.3
Montreal	.....	T.	(*)	(*)	21.3	18.6	22.9	9.0	0.1	.....
Rockliffe	.....	.....	10.0	22.4	7.0	10.4	9.1	0.7	0.1	59.7
Ottawa	.....	.....	10.1	38.6	13.6	18.6	22.4	11.0	T.	114.3
Kingston	.....	T.	6.9	13.2	10.6	13.0	14.5	1.6	.....	59.8
Toronto	.....	T.	3.6	16.5	17.8	15.5	15.9	5.1	0.8	75.2
White River	.....	.....	(*)	(*)	(*)	(*)	10.0	31.0	12.0	.....
Port Stanley	.....	T.	4.3	11.4	12.9	21.8	9.7	9.7	0.6	70.4
Southampton	T.	0.3	5.2	37.4	33.6	29.5	15.9	9.4	1.5	132.8
Parry Sound	.....	.....	19.3	53.0	9.5	29.5	22.0	9.5	2.0	144.8
Port Arthur	T.	.....	T.	27.3	10.9	5.3	6.6	3.0	.....	53.1
Winnipeg	2.3	(*)	4.9	6.5	6.3	7.6	26.7	14.5	.....	.....
Minnedosa	2.9	0.7	5.4	2.8	4.3	18.5	7.1	15.4	0.1	57.2
Qu'appelle	.....	(*)	9.0	(*)	7.6	5.4	5.2	(*)	0.4	.....
Medicine Hat	.....	5.5	T.	1.2	3.5	3.0	2.0	3.0	0.5	18.7
Swift Current	.....	13.8	3.9	(*)	5.0	2.4	3.6	(*)	(*)	.....
Calgary	5.6	2.3	0.3	2.0	5.8	3.6	6.8	11.4	.....	37.8
Banff	1.0	12.7	2.0	17.1	39.4	13.8	7.8	9.1	0.6	103.5
Edmonton	0.5	9.5	8.5	(*)	4.9	4.9	1.1	9.1	0.8	.....
Prince Albert	(*)	(*)	(*)	(*)	7.7	7.5	5.5	(*)	(*)	.....
Battleford	(*)	(*)	0.6	(*)	2.0	0.2	0.2	(*)	(*)	.....