U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

# REPORT

OF THE

# CHIEF OF THE WEATHER BUREAU

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# National Oceanic and Atmospheric Administration

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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.

UNITED STATES DEPARTMENT OF AGRICULTURE,
WEATHER BUREAU,
*Washington, D. C., September 27, 1917.*

SIR: I have the honor to submit a report of the operations of the Weather Bureau during the fiscal year ended June 30, 1917.

Respectfully,

C. F. MARVIN,
*Chief of Bureau.*

Hon. D. F. HOUSTON,
*Secretary of Agriculture.*

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# PART I.

## ADMINISTRATIVE REPORT.

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# REPORT

OF THE

# CHIEF OF THE WEATHER BUREAU.

In addition to the daily work of the Weather Bureau in its comprehensive and important service to the public, a prominent feature of the bureau's activities during the year has been the linking of its work with the military operations of the Government in the great war. This cooperation has been secured through arrangements for forecasting the weather over the region of actual warfare in France, the extension of aerological work to provide for the making of upper air observations for the benefit of the Army aviators, balloonists, and artillerists; and assistance to the Government and marine interests by vessel-reporting and seacoast stations and communication facilities in aid of coast patrol.

Never in the history of conflicts of the world has the weather proved such a potent factor as in the war that is now in progress in Europe. This is largely due to the use of aeroplanes, dirigibles, and captive balloons, to the highly perfected and powerful artillery, and to the modern methods of warfare first brought into practice in this conflict. Foreknowledge of existing and expected weather conditions, both in the air and on the surface has, therefore, become of the utmost importance. When active preparations for the military preparedness of this country were begun—when the declaration was made by the United States that a state of war existed with the German Government—it was apparent that the Weather Bureau had an important part to play. In recognition of this fact the Secretary of Agriculture communicated with the Secretary of War and invited attention to the service which might be rendered by the Weather Bureau in furnishing the fullest possible information concerning the meteorological conditions in the United States and adjacent regions. He also indicated the service that trained meteorologists could render as aids to commanders in planning military operations. The Secretary of War heartily accepted the suggestions and preparations were made at once for the fullest cooperation in carrying out the plan.

It was obvious that the activities of the bureau for the time being at least would necessarily be extended to two primary projects: (1) The forecasting of the weather for purely military operations, (2) the sounding of the upper air for the benefit of aviators, balloonists, and artillerists.

In connection with the first project, one of the foremost forecasters of the bureau has been commissioned major in the Signal Officers' Reserve Corps and has been granted a furlough from the Weather Bureau for that purpose. In the furtherance of his duties it is expected that the closest cooperation will exist with the French and English meteorological services in the use of data obtained by them, supplemented by additional observations in the field and cable reports from the United States and its possessions.

The official in charge of the aerological investigations of the bureau has also been commissioned a major in the Signal Officers' Reserve Corps and placed in charge of the military aerological work. The aerological work heretofore performed by the Weather Bureau will be continued, in addition to the enlarged activities made possible by the appropriation of $100,000 for this work, as contained in the Army bill, which became a law May 12, 1917. This item reads as follows:

For the establishment and maintenance by the Weather Bureau of additional aerological stations, for observing, measuring, and investigating atmospheric phenomena in the aid of aeronautics, including salaries, travel, and other

expenses in the city of Washington and elsewhere, $100,000, to be expended under the direction of the Secretary of Agriculture.

It is planned that, for the duration of the war, the aerological work of the Weather Bureau and the Signal Corps shall be closely coordinated, and that such of the free-air observations made at the six primary stations to be operated by the Weather Bureau, as may be required, shall be made telegraphically available to the military authorities, supplementing similar observations made at the various military stations conducted independently by the Signal Corps. All the data secured at the Weather Bureau and military stations will be turned over to the Weather Bureau for tabulation and study.

Some details of the work of the bureau during the past year are briefly summarized and discussed under separate topics, as follows:

## FORECASTS AND WARNINGS.

### DISTRIBUTION OF WEATHER FORECASTS.

There was a considerable increase during the year in the number of cooperating rural telephone lines, and a corresponding extension of distribution to the farming communities. The forecasts by this means reach the farmers in nearly all instances by noon of the day of issue, and reports show that the service is very highly valued. Distribution by wireless, which was expected to be extended, was abridged or suspended through the control of all wireless communications exercised by the Government as a military necessity. The distribution of the weekly forecasts was materially extended by telegraphing them to the central offices of about 250 rural telephone lines in the 13 central grain-growing States, by which they were made available to all the subscribers on those lines by noon of the day of issue.

### WEST INDIAN AND CARIBBEAN SEA SERVICE.

The extension and improvement of the weather service in this region was accomplished, at already established stations, by the perfecting of arrangements for taking and telegraphing two observations a day during the period June 1 to November 30, and the taking of one observation a day during the remainder of the year. New stations were established at Belize, British Honduras; Bluefields, Nicaragua; Colon, Canal Zone; Guantanamo Bay, Cuba; and St. Thomas, Virgin Islands. The work of the extension of this service is still in progress.

### ALASKAN SERVICE.

A full meteorological station was established at Juneau, Alaska, and arrangements effected whereby twice-daily reports are received from all Alaskan stations.

### STORM-WARNING STATIONS.

The number of storm-warning stations on June 30, 1917, were as follows:

Paid stations, 150; a decrease of 35 during the year.

Cooperative stations, 145; an increase of 32.

Weather Bureau stations displaying storm warnings, 58; a decrease of 2.

The decrease in the paid stations and the increase in the cooperative stations is almost wholly due to the taking over by the United States Coast Guard Service of the duties of displaymen wherever practicable.

### VESSEL WEATHER STATIONS, INCLUDING LIGHTSHIPS.

At the close of the year 47 of these were in operation, somewhat less than last year, owing to war conditions. Two lightship stations were added; namely, at Diamond Shoals and Heald Bank. The reports from these vessel weather stations were of great value during the hurricane season.

### SPECIAL METEOROLOGICAL STATIONS.

Two special meteorological stations for forecast purposes were established during the year, namely, at Needles, Cal., and at Midway Island, in the Pacific Ocean. Reports from the last-named station have been found to be of great value in connection with the preparation of the weekly forecasts.

### CONSOLIDATION OF FORECAST DISTRICTS.

The San Francisco (Cal.) and Portland (Oreg.) forecast districts were consolidated during the year, with headquarters at San Francisco. Cal.

### SEVERE STORMS.

Four tropical storms, for which hurricane warnings were ordered, occurred during the year—two in July and one each in August and October. The first of these, that of July 1–10, developed in the west Caribbean Sea and moving northward passed over Mobile, Ala., July 5, causing a maximum wind velocity of 106 miles per hour at that station and 104 miles at Pensacola; these velocities being the highest on record at those stations up to that time. The unusually high tides and torrential rains attending this storm caused enormous losses in central and southern portions of the east Gulf States. The second, that of July12–15, developed in the Bahama Islands and moved northwest, passing over Charleston, S. C., on July 14, with a wind velocity of 64 miles per hour from the northeast. No severe losses attended this storm. The third, that of August 12–18, was first observed in the vicinity of the Barbadoes and moved northwest through the Yucatan Channel and across the Gulf of Mexico, passing inland between Corpus Christi and Brownsville, Tex., on the 18th. Considerable damage was caused on the Texas coast by the high winds, the highest velocity, estimated at 90 miles per hour, occurring at Corpus Christi. Some of the 20 vessels held at New Orleans on account of the warnings probably would have encountered the hurricane in the Yucatan Channel and might have met the same fate as the *Admiral Clarke*, which was lost on the night of the 16th. Vessel masters and agents who held their vessels until the routes were declared safe expressed the highest commendation for the manner in which the Weather Bureau kept them advised. The fourth, that of October 9–19, developed over the central Caribbean Sea, moved west across the Yucatan Peninsula and then northeast across the Gulf, passing over Pensacola on the morning of the 18th. Maximum wind velocities of 120 miles from the southeast at Pensacola and 128 miles from the east at Mobile, the highest on record at these stations, attended this storm. The storm did little damage, comparatively speaking, as ample precautions had been taken as a result of the advance warnings.

A storm of marked intensity, for which whole-gale warnings were ordered, passed over the Lake region on November 23–24. It was reported that these warnings were so thoroughly distributed throughout the region that no vessels left port until after the severe gales subsided; and further, that the absence of wrecks and loss of life is evidence that the marine interests generally heeded the warnings issued by the Weather Bureau.

### SEVERE COLD WAVES.

A notable feature of the meteorological history of the year was the severe cold wave, which, reaching the Mississippi Valley by the night of January 31, overspread the entire eastern half of the country during February 1–3. On the latter date the temperature fell to 16° at Jacksonville and below freezing throughout the Florida Peninsula, Miami reporting a minimum of 28°, the lowest of record at that station. This was the most severe freeze in Florida since February, 1899. Ample warnings of the cold wave were issued well in advance, the accurate forecasts of expected minimum temperatures in Florida proving of great value.

### STORM-WARNING SERVICE.

The work of improving the storm-warning service by the installation of the three-lantern system has gone forward, the installation on the Great Lakes having been completed in the fall of 1916. Preliminary plans for the installation of the South Atlantic and Gulf coast have been completed and material is either on the ground or en route. Plans for the extension of the system to the North Atlantic coast are well under way.

### AEROLOGICAL INVESTIGATIONS.

The work of obtaining free-air observations by means of kites has been continued at the Drexel aerological station during the past year. The data thus obtained include atmospheric pressure, temperature, humidity, wind velocity and direction, electric potential, and cloud altitude and movement. Flights were made on all but 11 days during the year, and a daily telegram giving the atmospheric conditions at one or two selected levels in the free air has been sent to the forecast centers of the Weather Bureau at Washington, D. C., and Chicago, Ill. In addition to the daily observations, series of observations continuing for a period of 30 to 36 hours have been made whenever conditions were favorable. The data thus obtained enable the bureau to follow atmospheric changes in considerable detail. In all, 516 observations have been made during the year—July 1, 1916, to June 30, 1917. Of these 160 were made in 21 different diurnal series, the remaining 356 being made as daily observations.

Plans have been made for more practical application of the results of free-air investigations to problems connected with aeronautics and the firing of projectiles. With this end in view the bureau furnished an exhibit at the Aeronautic Exposition held in New York City February 8–15, 1917, and also participated in the discussion held at that time under the auspices of the Aero Club of America. A paper on "Aerology in Aid of Aeronautics" was presented at the symposium on Aeronautics before the American Philosophical Society in Philadelphia on April 13, 1917. This paper is to be published by that society.

Since February, 1917, considerable work has been done in the preparation of a manual or handbook for aeronautics. It will include a survey of the different parts of the United States, showing relative suitability of various localities for the establishment of aeronautic stations and will also contain a summary of free air conditions most likely to be met with under different types of pressure distribution at the earth's surface. Copy for this book has been nearly completed and will soon be ready for publication. Frequent conferences have been held with officials of the aeronautic branches of the War and Navy Departments with a view to establishing closer cooperation between these services and this bureau. As a result of these conferences, plans are being perfected for making free-air observations in aid of aeronautics and the firing of projectiles at several of the training camps, including those at San Diego, Cal., Pensacola, Fla., Mineola, N. Y., Hampton, Va., and others. Free-air wind data, as observed at the Drexel aerological station, are furnished daily for the information of the balloon training school at Fort Omaha. In addition to this, the officers and men at this school have on several occasions used the kite field at Drexel in connection with their experimental work.

### STATIONS AND OBSERVATIONS.

New, regular, full-reporting stations were established at Juneau, Alaska, in rented quarters; and at Port Arthur, Tex., in the Federal building. No additional stations have been established, and there are now 203 principal or fully equipped stations.

### OBSERVATORY BUILDINGS AND STATIONS OFFICES.

After several years of litigation, a decree was finally handed down on January 6, 1917, by the United States district court, Fargo, N. Dak., in the case of the United States *v.* Northern Pacific Railway Co., confirming title to Weather Bureau reservation at Bismarck, N. Dak. This decree gives to the United States (Weather Bureau) all that part of the property north of the railroad tracks, including projections of Second Street and Mandan Avenue, with the

triangular pieces of land at the extremity of same, and secures for the Weather Bureau a valuable tract of land of about 3 acres which will insure the continuity of meteorological observations for the future as has been maintained since June 1, 1894. Action has been taken to change the location of the residence building and effect desired improvements at that station.

Pursuant to authority contained in appropriation act of the Department of Agriculture for the fiscal year 1917 a site for the proposed Weather Bureau observatory building at Cape Henry, Va., was purchased on the water front, consisting of lots 5 and 6, block 7, in all 15,000 square feet. Drawings and specifications were prepared for a building adapted to the special requirements of a fully equipped vessel-reporting and meteorological station and as the northern terminus of the Cape Henry-Hatteras telegraph line, and bids invited for the erection of the building, but without results, as all bids were too high. The appropriation being continuous into the next fiscal year further attempt will be made to secure the erection of a suitable building within the appropriation made therefor.

By decision of the judge of the United States district court, Seattle, Wash., dated June 12, 1917, the bureau is granted possession of lot No. 1, block 32, town site of Port Angeles, Wash., litigation in regard to which has been in the courts for some time.

### COOPERATIVE CLIMATOLOGICAL WORK.

The increasing demand for information as to past and current weather conditions for all parts of the country, and from practically every standpoint of business, pleasure, health, etc., clearly indicates the great value to the public of the weather information now being gathered through the voluntary services of our corps of unpaid observers, located in nearly every county of the Union.

### INSPECTION OF COOPERATIVE STATIONS.

A recognition of the great benefits to be derived from a more frequent inspection of cooperative stations by the trained officials of the bureau resulted in a considerable increase in this work during the past year, and provisions have been made whereby all cooperative stations are to be visited at least once in each three years if possible. Improvement is always noted in the records from stations that have been inspected; more uniform methods of exposure are adopted, points of doubt as to the manner of observing and recording the indications of the instruments are cleared up, the observers become more enthusiastic in their work, and frequently the continuation of a station, where the observer had grown tired of the work, results from the personal appeal of the inspector.

### NEW CLIMATOLOGICAL SERVICE IN ALASKA.

Beginning with the new calendar year provision has been made for the establishment of a full climatological service for Alaska, with headquarters at Juneau. Reports are now being received with more or less regularity from about 60 points in that Territory, and printed summaries similar to those for the States are being prepared.

An annual summary of climatological data, 1915, for the Territory was prepared mainly at the central office of the bureau and printed at the Seattle station. Action has also been taken to prepare a similar report for 1916, which will likewise be printed at the Seattle office.

### ATLAS OF AMERICAN AGRICULTURE.

The preparation of climatological data for the proposed atlas of American agriculture has progressed, and the precipitation section, consisting of about 80 separate charts and diagrams, illustrating in great detail the distribution of the precipitation over the entire country, together with about 15,000 words of text, have been forwarded to the Public Printer. Work on the temperature and miscellaneous sections, embracing about the same number of charts with appropriate text, has also been nearly completed and much of the matter has already been forwarded for printing.

### SNOW AND ICE BULLETIN.

The weekly bulletin showing the snow and ice conditions over the country during the winter season was somewhat enlarged by additional reports from the high mountain regions of the West, thereby permitting better estimates of the prospective water supply for irrigation and other important uses. A new base chart, showing the latest attempts at depicting the topography of the country, put in use during the past winter, has added greatly to a proper interpretation of the snowfall values appearing on the chart and in the accompanying tables.

The snow bulletins issued for each of the western mountain States were also considerably enlarged by the addition of reports from points in the mountains.

### OCEAN METEOROLOGY.

Action has been taken during the year to increase materially the number of vessels reporting over the North Pacific Ocean, where hitherto but little information has been available.

The charting of these reports has been taken up, and it is believed a comprehensive study of the weather over this vast area will add greatly to our knowledge of the origin, development, and progress of the storms entering the western part of the country.

### TELEGRAPH SERVICE.

Weather reports (in cipher) are transmitted to and from about 200 Weather Bureau stations twice daily—at 8 a. m. and 8 p. m.—and approximately 800 forecast telegrams are sent daily from this office. In addition, there are audited at the Weather Bureau all telegraph, telephone, and radio accounts, amounting to nearly $300,000 annually, dealing with about 60 companies, also all Weather Bureau telegraph, telephone, and other line tolls for commercial business. Repairing and rebuilding of Weather Bureau lines is also supervised by the central office of the bureau.

Further revisions of circuits were made and put into operation during the past year, by which a yearly saving of over $1,000 was effected, in addition to increasing the number of reports to several stations. A considerable saving also was effected by having certain contracts reduced.

### BLOCK ISLAND-NARRAGANSETT SECTION.

The Weather Bureau owns the cable, three conductors 10¾ miles in length, and the land lines are owned by the Providence Telephone & Telegraph Co. For the use of two conductors in the cable the Providence Telephone & Telegraph Co. furnishes 15 miles of land lines, connecting with the Narragansett Pier and Block Island ends of the cable, in addition to paying $600 annual rental to the bureau.

This cable affords telegraphic communication between Narragansett Pier and Block Island. Observational reports from the latter place are of inestimable value to the bureau, and it is also a storm-warning display station.

A leak in the cable was repaired last August at a cost of $1,750.

Telegraph receipts during the year:

| | |
|---|---|
| For commercial business | $958.29 |
| For rental of conductors (2) | 600.00 |
| Total receipts | 1,558.29 |

Cost of repairs:

| | |
|---|---|
| Ordinary | $4.00 |
| Repairing cable | 1,750.00 |

### NORFOLK-HATTERAS SECTION.

This line is 162½ miles in length, including three cables—one across Pamlico Sound 3 miles in length, one three-fourths of a mile across Oregon Inlet, and one three-fourths of a mile across New Inlet. This line connects with those of the Western Union Telegraph Co. at Norfolk.

The United States Coast Guard Service telephone wires are attached to the Weather Bureau poles. During the year this line was almost completely rebuilt, by employees of the Coast Guard Service. Communication was interrupted for a total of 26 days during the year. The line is in first-class condition at the present time.

Total number of messages handled, 30,232.
Telegraph receipts, $2,195.34.
Cost of repairs, ordinary, $98.23.

MOUNT WEATHER-BLUEMONT (VA.) SECTION.

(Telephone and telegraph.) Length, 5.9 miles. This line is not now in use. No expense; no receipts.

KEY WEST-SAND KEY SECTION.

(Telephone.) Cable; no land lines. Length, 8½ miles. Used for vessel reporting and transmission of storm warnings to Sand Key. This cable was laid in 1903 and is in poor condition. A new cable should be provided; probable cost, $25,000. Interruptions during the year: July, 1916, and December, 1916.

Cost of repairs, $443.17. No receipts.

GLEN HAVEN-NORTH AND SOUTH MANITOU SECTION.

(Telephone.) Connects with the Citizens Telephone Exchange at Glen Haven, Mich., and works in connection with the Coast Guard Service. It is used for the transmission of storm warnings and for commercial business. Interruptions: November 9, 1916, to January 5, 1917.

Cost of repairs, $650.
Receipts, $96.98.

ALPENA-MIDDLE ISLAND-THUNDER BAY ISLAND SECTION.

(Telephone.) This line includes 22 miles land line and 5½ miles cable. It worked well during the year, and affords communication between the above-named places regarding the display of storm warnings, and connects with Coast Guard stations at these places. It was interrupted for four days and seven hours during the year.

Cost of repairs, $122.70.
Receipts, none.

GRAND MARAIS-WHITEFISH POINT SECTION.

(Telephone.) This line is 10 miles in length and connects with the Coast Guard telephone at Vermillion Station No. 9. It is used to obtain meteorological reports from Whitefish Point and for the transmission of storm warnings. No interruptions during the year. No expenses. No receipts.

BEAVER ISLAND SECTION.

(Telephone.) From Charlevoix to St. James, Beaver Island, Mich., 33½ miles cable, 1½ miles land; connects with the Michigan State Telephone Co.'s exchange at Charlevoix. It is used for the transmission of storm warnings displayed at and for obtaining meteorological reports from St. James, and for commercial business. This cable was fouled by a steamer on April 22, 1917, and repairs were completed June 25, 1917, at a cost of $1,500; 2¼ miles of cable having been carried away by the steamer.

Cost of repairs, $1,500.
Receipts, $495.80.

TATOOSH-PORT ANGELES SECTION.

(Telegraph.) Length, 95 miles. This line runs through a wooded country where lumbering operations are carried on very extensively. As fast as the land is cleared and roads built, the line is moved to the public roads. Several miles have been moved during the past year,

and it is expected that considerable work of this kind will be done during the coming year, costing approximately $750. It was interrupted for a total of 15 days and 20 hours during the past year.

Besides the use of the line for transmitting observational reports from, and of storm warnings to Tatoosh Island, and for commercial business between the stations and the interior, many commercial messages are handled to and from ships at sea through the United States naval wireless station at Tatoosh, which has direct communication with the line. Tatoosh also reports all vessels that pass in or out of the Straits of Juan de Fuca.

Cost of repairs, $718.50.
Receipts, $1,564.

NORTH HEAD SECTION.

(Telegraph.) Length from North Head to Fort Canby, Wash., 2½ miles land line; from Fort Canby to Fort Stevens, 6 miles cable. By a working agreement with the Western Union Telegraph Co., direct communication is afforded with the Weather Bureau office at Portland, Oreg. The line also connects with the United States naval radio station at North Head, which station is the relay point for Alaskan reports. In addition to giving the radio service a direct outlet for their business, this line is used to obtain important meteorological reports from and to transmit storm warnings to North Head. The cable was fouled on June 9, 1916, and repaired at a cost of approximately $2,300. Communication was restored on May 19, 1917.

Total cost of repairs, $2,348.74.
Receipts, none.

SAN FRANCISCO-POINT REYES SECTION.

(Telephone.) Length, 70 miles, 20 of which are leased from the Pacific Telephone & Telegraph Co. Fifty miles are owned by the Weather Bureau, 22 miles of which are attached to the Western Union Telegraph Co.'s poles. No charge is made for these attachments. The line is used for the transmission of observational reports and storm warnings and for vessel reporting. The portion of the line owned by the Weather Bureau is in good condition, having been rebuilt during the past year.

Cost of repairs, $2,142.37.
Receipts, none.

## RIVER AND FLOOD SERVICE.

As foreshadowed in my last annual report, the work in connection with the issue of flood warnings has been strengthened during the year and extended to districts not hitherto covered. Two new river districts have been organized in California, one for the Los Angeles River, with headquarters in Los Angeles, Cal., the other for the Eel River, in Humboldt County, with headquarters at Eureka, Cal. The flood-warning service in Alabama has been extended during the year to include the Cahaba River, a tributary of the Alabama in the central portion of the State. In times of flood the rich agricultural lands along this stream are overflowed, greatly to the detriment of farming interests. It is the purpose of the bureau to anticipate so far as possible, floods in this stream, in order that the resulting damage may be minimized.

A rearrangement of the substations in Montana and the establishment of three new stations along the Missouri in North Dakota have been effected. These changes have enabled the bureau to render more efficient service during the spring breakup of the ice in the Missouri throughout the Dakotas.

A small number of rainfall stations, reporting by mail and telegraph, have been established during the year in the watershed of the Lake of the Woods in the United States. The reports furnished by these stations are for use of the International Joint Commission, which, it may be remembered, has jurisdiction over all cases involving the use or obstruction or diversion of waters forming the international boundary, or crossing the boundary between the United States and Canada.

### LOSS BY FLOOD IN THE UNITED STATES DURING THE CALENDAR YEAR 1916.

The aggregate loss by floods, computed as accurately as the circumstances will permit, was $35,967,000. As in former years, a great share of this loss fell upon the agricultural interests. This unusually large loss was due principally to the movement over the east Gulf and South Atlantic States of two tropical storms, during July, 1916. Following these two storms there was an absence of destructive floods in all parts of the country, which lasted until March, 1917.

### HYDROLOGIC WORK IN SOUTHERN CALIFORNIA.

Progress in this work has been slow because of the fact that the mountain region of Los Angeles County, Cal., where the work is being done, is practically uninhabited. It has been possible to establish 16 rainfall stations in the foothills and at points within the mountains accessible by trail. Four of the stations in this study are equipped with automatically recording rain gages that are visited once a week or oftener, when possible. Twenty-eight rainfall stations are now in operation.

### INTENSIVE SNOW SURVEYS.

Intensive snow surveys were conducted on the Cottonwood Creek, a tributary of the Boise River, of Idaho, also in the Paradise Creek Valley, in headquarters of White River, of Arizona. These surveys were in addition to the series of daily measurements of the amount of snowfall made at elevated stations in the Western States.

### PRINTING AND PUBLICATIONS.

The demands made on the bureau for printing and lithographic work of every description have been such as to tax our force and plant to their fullest capacity. The edition of the National Weather and Crop Bulletin, which was 3,750 copies at the close of the last fiscal year, had to be increased to 4,200 copies at present, although nearly 600 addresses were dropped during the annual purging of the mailing list in March. A reduction of 120 copies in the edition of the daily Washington weather map resulted from the purging process in April.

The following table shows the principal output of our printing plant during the year:

LITHOGRAPHIC.

| | Copies. |
|---|---|
| Daily Washington Weather Map | 467,550 |
| National Weather and Crop Bulletin | 130,470 |
| Snow and Ice Bulletin | 21,670 |
| Charts for Monthly Weather Review | 551,625 |
| Charts for Climatological Data | 615,432 |
| Map A | 102,516 |
| Miscellaneous charts and maps | 36,925 |
| Blank forms | 13,520 |

PRINTING.

| | |
|---|---|
| Station map bases (Forms DD, E, and CM) | 6,827,600 |
| Blank forms | 2,363,055 |
| Daily forecast cards | 482,240 |
| Weekly forecast | 9,959 |
| Monthly Meteorological Summary | 2,980 |
| Forecast cards franked for stations | 21,554,800 |
| Rural free delivery slips | 2,183,600 |
| Covers | 21,840 |
| Letterheads | 108,500 |
| Climatological Data | 29,165 |
| Envelopes addressed | 57,425 |
| Memorandum slips | 114,550 |
| Skeleton letters | 8,400 |
| Cards | 114,010 |

| | Copies. |
|---|---|
| Instructions | 17,591 |
| Weather Bureau Topics and Personnel | 4,020 |
| Amendments to Station Regulations | 6,275 |
| Circulars and circular letters | 26,175 |
| Labels and tags | 147,718 |
| Binding and Meteorological Data, complete sets | 3,720 |
| Flexotype work | 7,680 |
| Miscellaneous prints | 160,975 |

PERIODICAL PUBLICATIONS.

The daily, weekly, and monthly issues of our periodical publications at the close of the fiscal year were as follows:

| | Copies. |
|---|---|
| Monthly Weather Review | 1,475 |
| Monthly Climatological Data for the United States | 310 |
| Washington Weather Map, 1st edition, daily, except Sundays and holidays | 850 |
| Washington Weather Map, 2d edition, daily, except Sundays and holidays | 385 |
| Washington Weather Map, Sundays and holidays | 475 |
| National Weather and Crop Bulletin (weekly from April to September, monthly from October to March) | 4,200 |
| Snow and Ice Bulletin (weekly during the winter) | 1,210 |
| Forecast cards (daily, except Sundays and holidays) | 1,570 |
| Weekly forecasts | 875 |
| Monthly Meteorological Summary for Washington, D. C. | 250 |

PAID SUBSCRIPTIONS.

The number of paid subscriptions on our mailing list at the close of the year was as follows:

| | Subscribers. |
|---|---|
| Washington Weather Map | 43 |
| National Weather and Crop Bulletin | 575 |
| Snow and Ice Bulletin | 25 |
| Climatological Data | 11 |

Subscriptions for the Monthly Weather Review are filled direct by the Superintendent of Documents from the 100 copies furnished him monthly by this division.

Remittances received by the Superintendent of Documents during the year, covering subscriptions for Weather Bureau publications, were reported as follows:

| | |
|---|---|
| Washington Weather Map | $122.45 |
| National Weather and Crop Bulletin | 135.65 |
| Snow and Ice Bulletin | 9.50 |
| Climatological Data | 59.90 |
| Station weather maps | 207.39 |
| Total | 534.89 |

NEW PUBLICATIONS.

The following is a list of the principal nonperiodical publications issued during the year:

Daily River Stages at River Gage Stations on the Principal Rivers of the United States for the Year 1915. Vol. XIII. 176 pages. W. B. No. 582. July, 1916. Gov. Print. Office.

Weather Code, for the Transmission of Meteorological Observations. Revised edition, 1916. 100 pages. W. B. No. 584. August, 1916. Gov. Print. Office.

Weather Forecasting in the United States. 370 pages, illus., charts. W. B. No. 583. August, 1916. Gov. Print. Office.

Aerology No. 1. 67 pages, illus., Supplement No. 3, Monthly Weather Review. W. B. No. 592. December, 1916. Gov. Print. Office.

Instructions for the Management and Care of Storm Warning Stations. 26 pages, illus. W. B. No. 587. December, 1916. Gov. Print. Office.

Weather Forecasting, with Introductory Note on Atmospherics. Bulletin No. 42. second edition. 37 pages, illus. W. B. No. 598. January, 1917. Gov. Print. Office.

Annual Report of the Chief of the Weather Bureau, 1915–16. 282 pages, charts. January, 1917. Gov. Print. Office.

Description of Cloud Forms; revised edition. 1 sheet, illus. January, 1917. Weather Bureau Print.

Types of Anticyclones of the United States and Their Average Movements. 25 pages, illus., charts. Supplement No. 4, Monthly Weather Review. W. B. No. 600. February, 1917. Gov. Print. Office.

Aerology No. 2. 59 pages, illus. Supplement No. 5, Monthly Weather Review. W. B. No. 603. April, 1917. Gov. Print. Office.

Weather Code for West Indian and Caribbean Sea Observers. 32 pages. May, 1917. W. B. No. 612. Gov. Print. Office.

Relative Humidities and Vapor Pressures over the United States, Including a Discussion of Data from Recording Hair Hygrometers. 61 pages, illus., charts. Supplement No. 6, Monthly Weather Review. W. B. No. 609. May, 1917. Gov. Print. Office.

The Daily Weather Map, with explanation. 8 pages, 4 charts. June, 1917. Weather Bureau Print.

EXPENDITURES OF THE WEATHER BUREAU AT THE GOVERNMENT PRINTING OFFICE DURING THE FISCAL YEAR 1916–17.

| | Copies. | Cost. |
|---|---|---|
| Blank forms and maps | 10,058,800 | $10,750.78 |
| Cards | 6,000 | 22.73 |
| Blank books | 234 | 225.06 |
| Binding | 2,256 | 2,775.85 |
| Posters, placards, charts, etc | 7,100 | 553.19 |
| Separates and pamphlets | 35,600 | 1,317.84 |
| Publications, miscellaneous | 17,945 | 7,985.60 |
| Publications, periodical | 19,100 | 7,189.48 |
| Congressional | 1,009 | 4,178.63 |
| | 10,147,244 | 34,999.16 |
| Amount allotted | | 35,000.00 |
| Amount expended | | 34,999.16 |
| Unexpended | | .84 |

## LIBRARY.

During the year, 827 books and pamphlets were added to the library, bringing the total strength of the collection up to about 36,300. On account of conditions abroad there was a marked decrease in the number of foreign publications received, and the files of many important foreign periodicals are seriously in arrears.

Considerable progress has been made in strengthening the station libraries, especially that at Chicago, which serves as a depository for a reserve collection of important books available for transfer to the central office or elsewhere in case of need.

## SEISMOLOGY.

The work of collecting and publishing earthquake data, begun December 9, 1914, has been continued during the past year. These data are of two kinds, noninstrumental reports of earthquakes felt, and instrumental records, often of quakes wholly imperceptible to the senses. The noninstrumental reports are rendered by all the regular stations of the bureau, about 200 in number, and also by nearly all the bureau's 4,500 cooperative observers. The instrumental records published by the bureau have been obtained in part by instruments owned and operated by the bureau itself, one at Washington, D. C., the other at Northfield, Vt., and partly through the cooperation of 18 additional stations distributed from Panama to Alaska and from the Hawaiian Islands to Porto Rico.

During the calendar year 1916, 131 earthquakes were felt within the borders of the United States proper. The great majority of these produced no damage whatever, and only six or seven were severe enough to produce even slight damage.

### SOLAR RADIATION INVESTIGATIONS.

Solar radiation measurements of much the same character as those for 1915–16 have been obtained throughout the year at Washington, D. C., Madison, Wis., Lincoln, Nebr., and Santa Fe., N. Mex., and the results have been published each month in the Monthly Weather Review. The instrumental equipment at Washington has been increased by the purchase from the Smithsonian Institution of a pyranometer, which will be used principally in restandardizing recording pyrheliometers.

Excellent observations were obtained under a cloud layer of high haze that overspread the United States from the Atlantic coast southwestward to southern California at the end of July, 1916. These included measurements of the height of the haze layer, and its direction and velocity of movement, and descriptions of the brilliant twilight colors, especially the purple afterglows, that accompanied it. The measurements of height and movement are in accord with similar measurements of the movement of balloons above a height of about 16 kilometers, and are confirmatory of the existence of air currents from the east at these high levels. In California and Arizona the haze and the brilliant afterglows were observed until after the end of 1916.

Photometric measurements of the intensity of twilight previously made at Mount Weather, Va., have been supplemented by further measurements at Salt Lake City, Utah. These are summarized in the REVIEW for November, 1916. In connection therewith are published tables showing the duration of both civil and astronomical twilight at different latitudes, and the term "civil twilight," which does not appear in English dictionaries, is definitely defined.

At Salt Lake City photometric measurements have also been made of the intensity of twilight illumination on a cloudless day with a clear sky and on a similar day except for the presence of a dense layer of surface smoke. The measurements include illumination from direct sunlight, from diffuse skylight, and from the two combined, which latter is the total daylight illumination. They show that the total illumination averages about one-third less on a smoky day than on a clear day and that the illumination from direct sunlight averages one-half less.

A study has been made of the shading effect of wire insect cages, such as are employed by the Bureau of Entomology to protect plants from insect pests, and also of various kinds of shade cloth employed by tobacco growers in certain sections to improve the quality of the tobacco leaf. The shading may be expressed by a simple mathematical formula, as has been shown in the REVIEW for September, 1916.

The shade cloth is also used at the Arlington Farm by the Bureau of Plant Industry to determine the relation between sunlight intensity and the development of certain standard plants. In these investigations the solar radiation measurements for Washington referred to above are also utilized.

### AGRICULTURAL METEOROLOGY.

The Division of Agricultural Meteorology was established February 21, 1916, for the purpose of conducting studies of every character of the relation of weather to crops and the collection of statistical data required in such studies, including the direction and supervision of cooperative relations with the State experiment stations and other contributing organizations. The division conducts investigatoins of the effect of weather and climate upon the growth and yield of crops, determines the distribution of frost warnings and forecasts for special agricultural interests, conducts studies for the protection of crops and orchards from frost, has general supervision over all special services, and, in general, supervises the activities of the Weather Bureau which relate particularly to agriculture.

#### CORN AND WHEAT REGION SERVICE.

This service covers the 16 principal grain States, and its organization, as well as the service given, is indicated by the following table:

| | |
|---|---|
| Region center (Chicago, Ill.) | 1 |
| District centers | 13 |
| Special reporting stations | 189 |

| | |
|---|---|
| Stations opened during year | 21 |
| Stations closed during year | 9 |
| Stations issuing daily corn and wheat region bulletins | 18 |
| Total number daily bulletins issued | 2,964 |

This service has been improved during the year by the establishment of additional stations in the western grain districts. Also by the completion of arrangements for publishing a weekly corn and wheat region bulletin at the region center; the issue of this bulletin began the first part of July, 1917, with a list of approximately 600 addresses.

### COTTON REGION SERVICE.

This service covers the principal cotton States, and its organization, as well as the service given, is indicated in the following table:

| | |
|---|---|
| Region center (New Orleans) | 1 |
| District centers | 13 |
| Special reporting stations | 167 |
| Stations opened during year | 2 |
| Stations closed during year | 0 |
| Stations issuing daily cotton region bulletins | 26 |
| (In addition to this, Galveston, Tex., publishes the cotton information on a large glass map.) | |
| Total number of daily bulletins issued | 2,358 |

As will be seen from the foregoing table this service was reorganized during the spring of 1917 by the establishment of a region center at New Orleans. The telegraphing of the district averages was discontinued, and in their place a summary is being telegraphed from the region center to 26 different points and there published in the form of daily bulletins and given to the press; this information is also used at New Orleans in the same manner. Data covering the rainfall at each of the 167 stations, and temperature at 5 stations in each State are telegraphed to the region center, and after being tabulated and charted the summary mentioned above is prepared. In addition to the general weather conditions, heavy rainfalls at individual stations are included.

### SUGAR AND RICE REGION SERVICE.

This service covers the rice-growing region of Texas and Louisiana and the sugar-cane-growing sections of the South. The stations covering these crops are seven in number, and the information is published in the cotton region bulletins. The district center is at New Orleans.

### CATTLE REGION SERVICE.

There is one district center, located at Amarillo, Tex., with 11 special stations covering this service; in addition to these, special reports are received from 20 other points in western Texas and Oklahoma. This cattle-region service covers southeastern Colorado and central and eastern New Mexico, in addition to western Texas and Oklahoma. A second cattle-region bulletin distributing point was established at Roswell, N. Mex., during the year. The number of daily bulletins published at these two points is 657. Preliminary steps are under way for the establishment of new district centers at Phoenix, Ariz., and Salt Lake City, Utah.

### CRANBERRY WARNING SERVICE.

Special cranberry warning services are maintained in eastern Massachusetts, southern and northwestern Wisconsin, and central and southern New Jersey. Ten special stations are maintained in these districts, from which daily weather reports are sent to the forecast centers to aid in making frost and minimum-temperature forecasts.

### SPECIAL FRUIT-WARNING SERVICE.

Special frost and minimum-temperature warning services, with special reporting stations, are maintained as follows:

| *Center.* | *District covered.* |
|---|---|
| Columbus, Ohio | Most of State. |
| Medford, Oreg | Rogue River Valley, Oreg. |
| Walla Walla, Wash | Upper Columbia River Valley in Washington and Oregon. |
| Boise, Idaho | Boise-Payette district. |
| Do | Twin Falls district. |
| Salt Lake City, Utah | Northern Utah. |
| Delta, Colo | Gunnison River Valley. |
| Grand Junction, Colo | Grand River Valley. |
| Pueblo, Colo | Canon City, Colo., district. |
| El Paso, Tex | Rio Grande Valley. |
| Roswell, N. Mex | Pecos Valley. |
| Los Angeles, Cal | Southern California. |
| San Francisco, Cal | Central California. |
| Portland, Oreg | Salem, Oreg., vicinity of. |
| Jacksonville, Fla | Central and southern Florida. |

Recent studies of methods for making more definite minimum-temperature forecasts, based on mathematical hygrometric and thermometric formulæ, have proven very helpful, and these studies will be continued. Local officials are studying the topographic and other conditions, and give expert information to those orchardists who are prepared to prevent frost damage by artificial means.

Special frost warnings are also distributed from a large number of Weather Bureau stations for fruit and truck interests, although no special station reports may be received.

### ARTIFICIAL PROTECTION OF ORCHARDS, GARDENS, ETC., FROM FROST.

The service described in the preceding section has been maintained for many years. Beginning with the fiscal year July 1, 1917, Congress made available a special appropriation for the study of the efficiency of methods of artificially protecting orchards, gardens, etc. Preliminary preparations for the inauguration of this work were begun before the close of the year, in order to take advantage of the spring frosts of that season, and the work will be carried forward during the year with the appropriation available.

### FROST AND TEMPERATURE STUDIES IN NORTH CAROLINA.

In 1912 the bureau inaugurated a study of the very interesting atmospheric phenomena and anomalous climatic features which have been designated thermal or frostless belts and verdant zones, and which are strikingly developed in some of the mountainous sections of western North Carolina.

The observational program of this project was brought to a completion December 31, 1916, with nearly five years of accumulated data from about 68 stations.

This project has been supervised by Prof. H. J. Cox, who is now engaged in the completion of his report, which will doubtless supply a much more comprehensive and detailed account of these climatic phenomena than ever heretofore attempted.

### ALFALFA SEED-WARNING SERVICE.

A minimum-temperature forecast service is maintained at Salt Lake City, Utah, for the benefit of the alfalfa seed growers in central Utah. Four special reporting stations are in operation and the information from these is used as an aid in making the minimum temperature predictions. The plan of the seed growers is to leave their last stand of alfalfa for seed; if freezing temperature occurs while the matured or nearly matured plants are standing the seed

is ruined; if the warning can be received a sufficient time in advance to cut the alfalfa, only the top layer will be damaged. The growers frequently run their mowing machines all night long preceding a dangerous temperature.

A similar service has been put into operation during the present season in western South Dakota, with Rapid City as the distributing point. No special stations have yet been established, however. This service is susceptible of expansion.

### ALFALFA HARVEST SERVICE.

Special three or four day forecasts are being made for the benefit of the alfalfa growers throughout the whole western part of the country. Information of fair or rainy weather periods is telegraphed from the district centers to the large alfalfa-growing sections, to enable harvesters to cut and cure the alfalfa to best advantage.

### POTATO FROST-WARNING SERVICE.

In the fall of 1916 special freezing temperature forecasts were issued by the district forecaster at Denver for western, south-central, and north-central Colorado, at the request of the State Potato Growers' Association. These warnings are of value and will be continued.

### RICE HARVEST FORECASTS.

A three or four day forecast, especially in connection with heavy rains, is sent from New Orleans to the rice growers in Arkansas as conditions warrant.

### SPECIAL STORM WARNINGS FOR SHEEP INTERESTS.

Special rain and temperature forecasts are made at Portland, Oreg., during the shearing and lambing season, for wide distribution in Oregon, Washington, and Idaho. This service fosters early shearing and lambing by enabling the ranchmen to keep the newly shorn sheep and young lambs near shelter when a cold storm is anticipated.

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# PART II.

GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1916, WITH CHARTS.

LIST OF OBSERVING STATIONS AND CHANGES THEREIN DURING 1916.

SUNSHINE, 1916.

DETAILS OF EXCESSIVE PRECIPITATION, 1916.

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## REVIEW OF WEATHER CONDITIONS DURING THE YEAR 1916.

By P. C. Day, Climatologist and Chief of Division, Weather Bureau.

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The outstanding features of the weather of the year 1916 were the destructive tropical storms that visited the southeastern States in July, and the extremely hot and dry weather experienced in the interior districts during July and most of August. The central and east Gulf and South Atlantic States came under the influence of two noteworthy tropical storms during the first half of July. The first of these passed from the Gulf of Mexico inland over the coast of Mississippi about July 5 and the second moved in from the Atlantic, passing over the coast of South Carolina, near the middle of the month. The latter caused unprecedented rainfall in the southern Appalachian Mountain region and immense flood damage resulted. These storms caused the loss of about 80 lives, and the property damage was roughly estimated at about $22,000,000. During July and August large areas in the lower Missouri Valley and central Plains region experienced a severe drought, with almost continuous high temperatures, which resulted in much damage to growing crops, especially to corn.

Detailed accounts of tornadoes and a tabulation of other damaging wind storms occurring during the year will be found at the end of the weather summaries for the several months.

### JANUARY.

January was marked by persistent cold weather in the northern Rocky Mountain districts and northern Plains States, and by abnormally warm weather in the more eastern and southeastern districts. During the first decade of the month a cold wave passed eastward over the northern border States and the southern Canadian Provinces, but its influence did not extend very far to the southward. During the second and third decades of the month it continued cold in the Northwest, and minimum temperatures as low as or lower than previously recorded occurred in the Dakotas and Montana. The lowest temperature recorded during the month at a regular reporting Weather Bureau station was 57° below zero, at Havre, Mont., but at the same time over the more eastern and southern districts temperatures were, in a number of instances, the highest ever recorded for this month. East of the Mississippi River the month as a whole was from 6° to 9° warmer than normal, while from the upper Mississippi Valley and central Plains States westward it was colder than usual, the monthly mean temperature in northern Montana being about 25° below the seasonal average.

Several well-defined storms passed over the country during the month, accompanied by widespread and in many cases heavy precipitation. The most noteworthy of these moved from the coast of southern California to the Canadian Maritime Provinces from the 17th to the 23d. This storm resulted in heavy rainfall in California and much snow in the higher elevations to the eastward, as well as general and in some places heavy precipitation in the more eastern districts. For the month, as a whole, precipitation was heavy in the central and lower portions of the Ohio and Mississippi Valleys, where from 8 to 10 inches occurred. It was likewise heavy in the southern Rocky Mountain districts and in California, particularly in the latter State, where at places in the mountainous sections from 40 to 50 inches, or more, occurred. East of the Rocky Mountains snowfall was generally light for the season, but in the mountainous districts of the West unusually heavy falls occurred in many localities, especially in northern California.

In the East and South the weather of the month was generally favorable for seasonal outdoor occupations, and winter truck made good progress in the latter section. In the north-central States and in the far Northwest the weather was severe during much of the month and unfavorable for outdoor work. From the Rocky Mountains westward the snow was heavy in most sections and much feeding of stock was necessary.

### FEBRUARY.

No unusual temperature conditions were experienced during February. The extremes were generally well within the limits of previous years, except near the middle of the month, when maximum records were approached or equaled at points in the Plains States and in California, and also during the latter part of the month in southern Texas. Zero temperatures were experienced as far south as southern Pennsylvania, the central valley States and southwestern Kansas, and at practically all stations in the Rocky Mountain districts. For the month as a whole, temperatures averaged below normal in New England, the Lake region, and the central valleys, and above the seasonal average in the South Atlantic districts and from the west Gulf and Plains regions westward.

No noteworthy storms crossed the country during the month, but precipitation was frequent in some sections, especially in the north Pacific, Southeastern, and Atlantic Coast States, while snows were frequent, though mostly light, throughout the northern portion of the country. For the month as a whole, precipitation was quite generally less than normal, except in portions of the far Northwestern States and from the central Gulf districts northeastward to New England. In Texas and the eastern portions of New Mexico and Colorado little or no precipitation occurred during the month, while from the lower Missouri and upper Mississippi Valleys westward to the Rocky Mountains the monthly totals were generally less than half an inch.

There was a good snow cover in the more northern States during most of the month, but in portions of the winter-wheat belt the ground was bare much of the time, and some damage to winter grains was reported. Unusually heavy snows occurred in the higher altitudes of the far Northwest, and at the close large quantities had been stored in the mountains. In the South the month was generally favorable for outdoor operations; but truck crops were mostly later than usual, and the cold weather near the middle of the month did some damage. In the North much of the month was cold and disagreeable and unfavorable for outside work, except the harvesting of ice.

### MARCH.

Freezing temperatures were experienced at some time during March in all sections of the country, except in the extreme southern portions and along the Pacific coast. Temperatures below zero occurred in the northern States from Montana eastward and as far south as central Kansas, falling to 20° below zero in portions of the northern Plains States. At other times during the month warm weather for the season of the year was experienced in some localities, temperatures of 90°, or higher, occurring in southeastern Kansas, Oklahoma, and most of Texas, and in the far Southwest, with extremes of 100° at points in Texas and Arizona. The monthly mean temperatures were below the normal in most eastern and northeastern districts, and higher than the seasonal average in most of the central and western sections of the country, particularly in the western portion of the Plains region.

Precipitation during the month was very unevenly distributed, marked excesses occurring in the north Pacific coast districts and corresponding deficiencies in some of the Southern States, particularly in Texas, where in large areas there was little or no rain during the entire month. Heavy rainfall and melting snow caused damaging floods during the latter part of the month in portions of Ohio, Illinois, Michigan, and locally in other Northern States.

Snowfall during March was heavy over the Northeastern States, from 2 to 3 feet occurring in the interior of New York and New England. In the far western mountains some additions were made to the amount of stored snow, and at the close of the month the outlook for a plentiful water supply for irrigation and other purposes was good.

In the South the month's weather was generally favorable for farm work, except for the drought in Texas and some damage to truck by cold weather, which necessitated much replanting. Killing frost occurred in northern Florida and light frost to the central portion of that State on the 5th, 9th, and 16th, and frost was general in the Southeastern States on the 17th and 18th. In the central and northern districts east of the Rockies much of the month was cold and disagreeable and rather unfavorable for outdoor work, but to the westward the general warmth was favorable for such activities.

### APRIL.

During the first decade of April unseasonally low temperatures obtained in the interior districts, the means for that period in the middle Mississippi Valley being about 12° below the normal, and freezing weather was experienced as far south as the northern portions of the Gulf States. At the same time warmer weather was the rule west of the Rocky Mountains, where in some localities temperatures close to previous high records for April were observed. During much of the second decade warmer weather prevailed east of the Rocky Mountains, but the latter part of the month again brought subnormal temperatures to those districts which continued at the close of the month. The mean temperatures for the month as a whole were below the normal over nearly all districts east of the Rocky Mountains, the exceptions being from the Great Lakes eastward and along the immediate Middle and South Atlantic seaboard, where the month was somewhat warmer than usual. West of the Rockies the monthly means were generally somewhat higher than the seasonal average.

During the first half of the month precipitation was mostly local in character and generally light in amount, but soon after the middle, widespread rains occurred throughout the interior and southern districts. During the latter part of the month rainfall was unevenly distributed and mostly light. For the month as a whole it was heavy from central and eastern Texas northeastward to Missouri, and moderate to heavy falls occurred in other portions of the South. Elsewhere the monthly totals were generally small, with little or no rain occurring in much of the southern Plateau region of the West and likewise in California. During the first decade of the month heavy snowfall occurred in the upper Mississippi Valley and general, though lighter amounts, in the lower Missouri and Ohio Valleys and to the eastward. Snow again occurred over northern districts during the latter part of the month, and at the close the outlook for a good water supply in most arid sections of the West continued favorable.

The cool weather in the central and northern portions of the country retarded the development of vegetation to some extent, and farm work was somewhat delayed in the Northeastern States, but in the South and East conditions were generally favorable for farming operations. Corn planting progressed favorably, but this work was somewhat later than usual. Soil preparation and the sowing of spring wheat made satisfactory progress in the southern portion of the spring-wheat belt, but in the northern portion work was delayed by cold and stormy weather. The condition of fruits was generally favorable, although some damage was done by frost and cold weather.

### MAY.

East of the Rocky Mountains cool weather continued during the first few days of May, with heavy to killing frosts in the Dakotas, and portions of Nebraska, Minnesota, and Iowa, but this condition gave way speedily to much warmer weather, and by the 6th maximum temperature readings in Montana, Nebraska, and Kansas were as high as 80° to 90°. During much of the month temperature changes were rapid and pronounced for the season of the year and frosts were frequent in the mountainous districts of the West and also in the northern districts to the eastward, but during the latter part temperatures were considerably above the normal in most districts east of the Rockies. The mean temperatures for the month as a whole were above the normal generally to the southward and eastward of a line extending from the lower Lake region southwestward to southern New Mexico, but the plus departures were moderate, usually less than 3°. Elsewhere the month was colder than the seasonal average, the

largest temperature deficiencies, somewhat more than 6°, occurring in the northern Rocky Mountain districts.

Rainfall during the month was heavy from central Texas eastward to Alabama, where the totals ranged from 6 to 12 inches, or more, while falls of from 6 to 8 inches occurred in the central Mississippi and lower Missouri Valleys and likewise locally in Oklahoma, Tennessee, and the Appalachian Mountain districts. Elsewhere east of the Rocky Mountains the monthly totals were mostly moderate in amount, except that they were small in portions of the Southeastern States, the western portions of Texas, Oklahoma, and Kansas, and in much of Montana and North Dakota.

The weather during the month was, on the whole, favorable for the advancement of vegetation and for farming operations in most central and eastern districts, but from the Rocky Mountains westward it was very generally unfavorable, principally on account of the unseasonally low temperatures that persisted during much of the month. Some eastern sections also experienced unfavorable weather, farming operations being retarded in portions of the Southeast by the lack of moisture, while in some northern districts the cool and wet weather was detrimental. However, the latter part of the month was more favorable and a decided improvement was noted.

### JUNE.

During the first decade of June temperatures were mostly below the normal throughout all central, northern, and western portions of the country, including most of the principal corn growing States, but they were above the seasonal average in the South. Frost occurred in the interior of New England and New York and in northern Minnesota, and freezing weather was experienced at elevated points in the Mountain and Plateau districts of the West. The second decade was warmer in the western districts, but cool weather continued in the central and northern sections to the eastward. During the last decade of the month temperatures were below normal in nearly all Central, Northern, and Western States and somewhat above the seasonal average in the Gulf districts. The month as a whole was cooler than the average in all districts, except in the southern border States from Louisiana westward to Arizona and locally in Nevada, Oregon, and the South Atlantic districts, where the monthly means were somewhat above the normal. The largest deficiencies for the month occurred in the western Lake region and the upper Mississippi Valley, where the mean temperatures were about 6° below the normal.

Rainfall for the month as a whole was heavy in eastern and southern Kansas, portions of Louisiana, and in the Middle Atlantic States, and was moderate and sufficient in most other sections from the central Plains eastward, including North Dakota and Montana. From the Rocky Mountains westward rainfall was light; in fact, from the central portion of New Mexico and southwestern Colorado westward to the Pacific no rain occurred during the entire month.

In most central and northern districts much of the month was unseasonally cold and not favorable for cultivated crops, although pastures, meadows, winter grains, and spring wheat made good progress. Cotton on the whole made good growth, but there was a considerable period during which progress was retarded in the northern portion of the belt by cool weather, and frequent rains prevented proper cultivation in some localities. No serious injury from frost occurred during the month, although local damage was reported from some elevated western districts where freezing temperatures were experienced on several dates.

### JULY.

The outstanding features of the weather for July, 1916, were the excessive and damaging rains that occurred in the Southeastern States, especially in the southern Appalachian Mountains, and the hot and dry weather that was experienced in the interior portion of the country. From the Rocky Mountains westward much of the month was cooler than is usual for the season, freezing temperatures occurring locally in the higher altitudes of California and Neveda near the end of the month. In the Atlantic coast districts and throughout the South seasonal temperatures obtained, but in the interior sections unusually high temperatures persisted and

there was great suffering from the excessive heat, particularly in the large cities where many heat fatalities occurred.

Rainfall during the month was particularly heavy in the Southeastern States, where considerable areas received from 15 to 20 inches, or more, much the greater part of which fell within a period of 24 hours near the middle of the month. At Altapass, N. C., located in a gap of the Blue Ridge Mountains, 22.22 inches of rain fell in the 24-hour period beginning at 2 p. m. of the 16th, which is probably the heaviest 24-hour rainfall ever observed in the United States. As a result of this unprecedented rainfall, crops in the bottom lands of western North Carolina and portions of the adjoining States were swept away by flood waters, many mills and bridges were destroyed, and railroads were severely damaged. On the other hand, rainfall throughout the interior section of the country was largely deficient, the monthly totals ranging from 1 to 2 inches only and even less than this in considerable areas. In the northern border States and the far Southwest rainfall for the month was near the seasonal average, but in the north Pacific coast districts considerably more than the normal was received.

The long and severe drought in the central Plains region and lower Missouri Valley resulted in much damage to growing crops, especially to corn, but at the same time these conditions were ideal for the harvesting and thrashing of small grain crops and making hay. In some of the southeastern districts little farm work was possible during the month on account of the frequent showers and continued wet condition of the soil, but west of the Rockies conditions were generally favorable for seasonal farming operations, except that much of the month was rather cool and wet in the north Pacific coast districts.

### AUGUST.

The first two decades of August, as was July, were characterized by hot weather in much of the interior portions of the country east of the Rocky Mountains, but the closing days of the month were in marked contrast to this condition. In the north Pacific States and the Rocky Mountain and Plateau districts of the West the first half of the month was relatively cool. On the 10th freezing temperatures were reported from points in Alberta, Canada, and on the following morning heavy frosts occurred in portions of North Dakota. Frosts occurred likewise in exposed places in Oregon and Nevada on the 18th and locally in the Rocky Mountain districts during the following few days. This cool wave overspread the central and eastern districts toward the close of the month, bringing to an end the long heated period that had persisted in those sections. For the month as a whole temperatures averaged above the normal from the Great Plains eastward, but west of the Rockies it was cooler than normal, the greatest deficiencies in temperatures occurring in the central Plateau districts.

The rainfall of the month was generally of a local character and unevenly distributed. Moderate amounts fell in much of the corn belt which relieved to some extent the drought that had prevailed in portions of that area for sometime. About the 18th a tropical storm reached the lower Texas coast, accompanied by heavy rainfall, severe gales, and high tides. This storm moved up the Rio Grande Valley, decreasing in intensity and finally dissipating, rainfall of consequence being confined mainly to the coast districts of Texas. No noteworthy heavy rainfall occurred in any portion of the country during the month, the largest totals being only from 6 to 8 inches, and these were of local character and widely scattered. Much of the central and southern Plains region received less than 2 inches and in considerable areas the monthly totals were less than 1 inch. Rainfall was rather heavy in eastern New Mexico and parts of Arizona, where the totals reached 6 to 8 inches, but in most other districts from the Rocky Mountains westward less than half an inch occurred.

The continued dry and hot weather during the first two decades of the month in Iowa, Kansas, Oklahoma, and portions of the adjoining States resulted in much additional damage to growing crops, especially to corn, but otherwise the month was generally favorable for farming operations, especially for harvesting, thrashing, and haying. From the Rocky Mountains westward no unusual weather conditions were noted, although in the North Pacific Coast States, particularly in Washington, the month was dryer than usual.

### SEPTEMBER.

During the first decade of September there was a return to warmer weather east of the Rocky Mountains, and the temperature for that period was considerably above the normal, but in the western Plateau districts it was cool for the season. The second decade brought much cooler weather to the eastern interior districts, the week ending September 19 being exceptionally cool in the upper Mississippi Valley and portions of the Great Plains. No marked temperature changes occurred during the last decade until near the end of the month when considerably cooler weather overspread nearly all districts east of the rockies. The mean temperatures for the month as a whole were moderate for the season in practically all sections of the country, the monthly departures from the normal being generally less than 3°, except in the north Central States, where the deficiencies were somewhat larger. The highest temperature recorded at a regular Weather Bureau station during the month was 110° at Yuma, Ariz., but at the same time freezing temperatures occurred at a few points in the interior of New England and New York, and also locally in Michigan, Wisconsin, and Minnesota, and generally in Nebraska, the Dakotas, and Montana.

During the first decade of the month showers were rather frequent, though mostly light and of local character, in central and northern districts east of the Rocky Mountains, and about the beginning of the second decade generous rains fell in much of the area between the Mississippi River and the Rocky Mountains, which largely relieved the severe drought that had persisted in much of that section. Thereafter only local showers occurred until near the close of the month, when a general rain area overspread nearly all districts east of the Rockies. For the month as a whole rainfall was less than the normal in most sections of the country, the largest monthly totals, generally from 4 to 6 inches, occurring mostly in the Florida Peninsula, eastern North Carolina, the interior of the Northeastern States, and in the western Lake region and upper Mississippi Valley.

The month was generally favorable for the prosecution of fall work, especially for harvesting the cotton crop, and rapid progress was made in seasonal farming operations. However, at the close of the month fall pastures, late feed crops, truck and gardens were badly in need of rain in many localities, and frost had occurred in the Ohio and Mississippi Valleys as far south as western Tennessee.

### OCTOBER.

After the first few days of October a marked rise in temperature occurred in the central valleys and extended to the eastward, but at the same time cold weather overspread the Northwestern States, which extended during the following few days over the eastern districts. About the 18th cold weather again appeared in the northern Plains region and spread southward and eastward, killing frosts occurring in Oklahoma and northern Texas on the morning of the 20th and in the northern portions of the central Gulf States on the 21st and 22d. Warmer weather followed and mild temperatures for the season obtained during the remainder of the month. For the month as a whole temperatures averaged above the normal to the southward and eastward of a line extending from the upper Lake region to southern New Mexico, but the departures from the normal were generally less than 3°. Elsewhere the month was cooler than the average, but no noteworthy deficiencies in temperature occurred.

During the first half of the month rainfall was mostly of a local character, but on the 13–14th moderate amounts were received in most localities north of the Ohio and Potomac Rivers. On the 17–18th a tropical storm caused high winds and heavy rainfall in the central and east Gulf States. The storm passed northward to the Ohio Valley during the following day or two, causing heavy rains in portions of the Southeastern States and general falls of moderate amount to the northward of the Ohio River, with considerable snow in portions of the Plains region and upper Mississippi Valley. Only local showers occurred during the remainder of the month, but they were heavy in a few places. Precipitation for the month as a whole was heavy along the east Florida coast and in southeastern Louisiana, where from

8 to 12 inches occurred, and rather large amounts for the location and season were received in western Texas and portions of Colorado and New Mexico. Elsewhere the monthly totals in most places were rather small, much of the Great Plains receiving less than 1 inch and considerable areas less than half an inch.

Mild weather, little rain, and much sunshine gave conditions favorable for maturing and harvesting crops in most districts; but in some sections, particularly in portions of the Mississippi Valley, the seeding of winter grains was delayed on account of the lack of moisture during the early portion of the month. However, the rains during the latter part were favorable, and excellent progress was made.

### NOVEMBER.

The first decade of November was somewhat warmer than normal from the Rocky Mountains westward and decidedly so to the eastward. During the first half of the second decade a marked cold wave for the season advanced from the British Northwest and overspread the districts east of the Rocky Mountains, reaching the Atlantic coast about the middle of the month. The latter part of the month was characterized by generally mild weather in most sections of the country. The month as a whole was warmer than usual east of the Rockies, except in Texas and the New England States, but west of the Continental Divide it was colder than the average, especially in the central Plateau district.

No widespread rainfall occurred during the first two decades of the month, although unsettled conditions and local showers obtained in many localities on several dates, the rainfall being heavy at points from Kansas northeastward to Lake Michigan and in the Florida Peninsula. From the 21st to the 23d a storm moved from the Rio Grande Valley northeastward to the Great Lakes, resulting in general rains in most eastern districts. During the closing days of the month moderate rainfall occurred in the Atlantic Coast States, but generally fair weather obtained west of the Mississippi River. For the month as a whole precipitation was light in most districts, only a few small areas receiving as much as 4 inches. East of the Mississippi River large areas received less than 2 inches, while in much of the Great Plains and the central and northern portions of the Rocky Mountain and Plateau districts the monthly totals were less than half an inch.

The month's weather on the whole was generally favorable for seasonable farming operations, except that in the South during much of the month it was too dry for plowing and seeding. The cold weather during the second decade caused considerable loss of apples and potatoes in Colorado, Washington, and Oregon and of olives in California, and also severely injured truck in much of the South.

### DECEMBER.

The first decade of December was abnormally warm in all sections east of the Rocky Mountains; but conditions were reversed during the second decade, cold weather being the rule, the temperature for the latter period in some interior districts averaging 15°, or more, below the normal. Cold weather continued during the remainder of the month in the West and Northwest, particularly in Montana, where for the last decade as a whole the temperature averaged about 25° below the normal. At the same time mild weather for the season obtained in the Gulf and South Atlantic States. For the month as a whole temperatures averaged below the normal throughout the country, except in the Gulf and portions of the Atlantic Coast States, where it was somewhat warmer than usual. The largest monthly deficiencies occurred in Montana and portions of North Dakota, where the monthly mean temperatures were from 12 to 15° below the normal.

There was considerable stormy weather during December, and precipitation was moderate to fairly heavy in most sections east of the Mississippi River, and likewise in Arkansas and most of Louisiana. In much of the central valleys and Plains region precipitation was mostly in the form of snow, which melted slowly, thus being of maximum benefit to the soil.

From Nebraska southward the month was dry, especially in central and western Texas, where considerable areas received no measurable amount of precipitation during the entire month. From the Rocky Mountains westward the monthly totals were in most cases near the seasonal average, but the snowfall was rather heavy in the central and northern parts of the Mountain and Plateau districts.

The snow cover was fairly good over the winter grain region, and likewise the lower elevations in the western districts were snow-covered for considerable periods, necessitating much feeding of stock. Considerable damage was done to truck crops in some southern States by the cold weather of the middle and the latter parts of the month, and vegetation was unfavorably affected by dry weather in the Southwest, but the low temperatures favored ice harvesting in the northern States.

## TORNADOES.

The following details of tornadoes occurring during the year 1916 have been supplied by the officials in charge of the Climatological Service of the several States. While a well-developed tornado may be very destructive, the path is usually narrow and is seldom of great length. Thus a number of tornadoes may occur within a State and result in heavy loss of life and property, but the total area covered is always very small when compared with the area of the State. For example, 8 tornadoes occurred in Kansas during the year 1916, resulting in 3 deaths and a property loss of about a quarter of a million dollars, but at the same time the total area covered by these storms was only about 13 square miles, while the area of the State is about 82,000 square miles.

There have been entered on Chart No. 5 the geographic locations of tornadoes occurring during the year 1916, as summarized below. The arrows indicate the direction of storm motion, when known, but in a few cases this information was not available, and the probable directions have been given. The occurrence of tornadoes from year to year is very spasmodic, from the viewpoints of both frequency and location; consequently the distribution indicated on the chart should not be construed as representing the normal or usual condition for any locality. Tornadoes occur with more or less frequency in most districts between the Appalachian and Rocky Mountains, the localities of greatest frequency being found in the central portions of this area. East of the Appalachians and west of the Rockies they are of infrequent occurrence and in some places unknown.

*Alabama.*—On April 20, about 4.40 p. m., a tornado passed over Pine Grove, about 6 miles northwest of Mobile, moving northeasterly. Its path was about 1,000 yards in length and about 80 feet wide. One person was killed and property damaged to amount of about $3,500.

On June 6, about 11 a. m., a tornado occurred in the western portion of Jefferson County, moving easterly. Its path was about one-eighth mile wide and 7 or 8 miles long. Considerable damage was done to crops and other property, but no fatalities were reported.

On July 6, between 4 and 5 p. m., a storm, probably of tornadic formation, passed northward through the western portion of Tallapoosa County. Its path was about 25 or 30 miles long and at the place of greatest destruction about 200 feet wide. The amount of property damage is unknown, but no loss of life was reported.

On October 18 a tornado of moderate intensity occurred about 2½ miles southeast of the Weather Bureau station at Montgomery. Its path was only a few yards wide and about 300 yards long. No one was injured and the property damage was small.

*Arizona.*—On August 14, about 11 a. m., a tornado occurred near Ashfork, in the northwestern portion of the State. The storm moved northeasterly and was in progress about 20 minutes, its path being about 4 miles long with a maximum width of about 400 yards. The damage was slight, as no buildings were in the storm's path.

*Arkansas.*—From 1 p. m., of June 5, to 3 a. m., of June 6, a series of tornadoes occurred in Arkansas, principally in the eastern portion of the State. Reports indicate that at least 26 distinct tornadoes occurred during this time, all except one moving in a northeasterly direction.

Their paths varied up to about 20 miles in length and from a few yards up to about three-fourths of a mile in width. At least 83 people were killed, more than 400 injured, and much property was destroyed.

On December 7, at 1.30 p. m., a tornado occurred near Stuttgart, Arkansas County, moving northeasterly. Its path was about 100 yards wide. Eight persons were injured and property destroyed to the amount of about $10,000. On the same day, about 3 p. m., a similar storm occurred near Hardy, in Sharp County, moving likewise northeasterly. Its path was about 200 yards wide. No one was injured, and the property damage was comparatively light.

On December 26 several tornadoes were reported from the east-central portion of the State. It is probable that the same storm passed through or near Locks Mills, Double Wells, Pine Bluff, Sherrill, Gethsemane, England, Carlisle, Desarc, and Cotton Plant, a total distance of about 85 miles. In such case there were 4 distinct tornadoes on this date, the others occurring near Lake Village, Keo, and Leola. Eighteen persons were reported killed in these storms and more than 100 injured. The property damage was very large.

*California.*—No tornadoes reported.

*Colorado.*—On May 20, about 1.30 p. m., a tornado occurred near Yuma, moving northwesterly. Its path was about 75 rods wide and about 7 miles long. Eight persons were injured, and the property loss was about $30,000.

*Florida.*—No tornadoes reported.

*Georgia.*—No tornadoes reported.

*Idaho.*—A tornado of moderate intensity occurred near Hill City, Blaine County, about 3.30 p. m., on July 8, moving northeasterly. Its path was 50 to 75 yards wide and 8 or 10 miles long. No buildings of importance were in the storm's path, and the property damage was slight.

*Illinois.*—On June 20, about 11 p. m., a tornado occurred about 8 miles north of Mount Carmel, in Wabash County, moving easterly. Its path was about 8 miles long and averaged about 200 feet in width. Two persons were killed, three injured, and the property loss was about $10,000.

On July 17, about 3 p. m., a tornado of weak intensity dipped into the southwest corner of Sparta. There was no personal injury, and the property loss was small.

*Indiana.*—On May 29, about 4 p. m., a tornado moved from near Culver northeastward through Plymouth, in Marshall County. Its path was about 15 miles long but mostly less than 100 feet in width. No lives were lost, and the property damage was not large.

On December 4, a storm, probably of tornadic character, moved northeastward through the eastern portion of Gibson County and thence into Pike County, a distance of about 12 miles. The width of its path could not be definitely determined. Considerable damage was done to houses and barns, but no lives were lost.

*Iowa.*—On April 19, about 6 p. m., a tornado occurred near Belmond, Wright County. The path of greatest destruction was about one-half mile long and about 100 feet wide. The property loss was about $10,000, but no fatalities were reported.

A number of tornadoes of moderate force were reported from Polk, Jasper, and Marion Counties on the afternoon of May 21. Details of these storms were not obtainable, but the property damage was not extensive and no fatalities were reported.

On the evening of August 6 a storm of probably tornadic formation passed over Sioux City. The property damage, estimated at about $100,000, was restricted to a path about three-fourths of a mile wide and about 4 miles long, extending from Crystal Lake, Nebr., north-northeast across Sioux City. No lives were lost.

Early in the evening of September 26 a tornado developed near Blanchard, Page County, and moved east-northeast through Taylor County into the northwestern portion of Ringgold County, a distance of about 48 miles. The width of its path was indefinite, and it is not known whether or not a tornadic formation was maintained throughout the course. Considerable property damage resulted, but no lives were lost.

*Kansas.*—On April 19, from 3 to 5 p. m., tornadoes were reported from Bourbon, Crawford, Neosho, Wilson, and Woodson Counties, in the southeastern portion of the State. The storms moved generally in a northeasterly direction, their paths varying from about 5 to 30 miles in length and from about 100 feet to more than half a mile in width. Three persons were killed and 18 injured, while the property loss was estimated at about $235,000, $150,000 of which occurred in Wilson County.

On May 20, about 7 p. m., a tornado occurred in the southeastern portion of Rooks County, moving northeasterly. Its path was about one-fourth mile wide and about 15 miles long. No lives were lost, and the property damage was moderate. On the same date, about 9 p. m., a similar storm occurred in Kingman County. It probably formed in Harper County and moved northeastward into Kingman. Its path was from 100 to 800 feet wide and probably about 25 miles in length. The damage was slight.

On September 3 a tornado occurred in southeastern Cherokee County. It appears that the funnel-shaped cloud of this storm reached the earth's surface but once and quickly ascended, and it is not known to have again come to the ground. No lives were lost, and the property damage was slight.

*Kentucky.*—On December 4, about 2.30 p. m., a tornado occurred near Calhoun, McLean County, moving northeasterly. Its path varied from a few yards up to 350 yards in width and was about 10 miles long. There was no personal injury, but the property damage was estimated at about $30,000.

*Louisiana.*—On December 8, about 1 a. m., a tornado demolished the town of Atlanta, in Winn Parish. The path of the storm was about 200 yards wide, but its length was undetermined; it moved in a northeast direction. Two persons were killed, and the property loss was estimated at about $40,000.

*Maryland and Delaware.*—No tornadoes reported.

*Michigan.*—Two tornadoes occurred in Michigan during the year 1916, one near Fennville, Allegan County, on May 9, and the other near Long Rapids, Alpena County, on August 7. No details of these storms are available, but the property damage was comparatively small and there was no loss of life.

*Minnesota.*—Two storms with more or less tornadic characteristics were reported during the year. The first occurred between 8 and 9 a. m., on May 24, in Rock County, and moved from west to east. Destructive winds occurred in a path about 5 miles wide and 20 to 30 miles long. No one was killed, but the property damage was estimated at about $50,000. The second occurred on June 28, about 7.30 p. m., in Wilkins County, moving northeasterly. Strong winds occurred in a path about 10 miles wide and about 25 miles long. No lives were lost, and the property damage was small.

*Mississippi.*—On January 12, about 2.30 p. m., a small funnel-shaped cloud moving from the southwest, passed Oxford, La Fayette County. Its path was about 100 yards wide and about 5 miles in length. No one was injured, and the property damage was slight.

On January 21, about 8.30 p. m., a storm occurred near Deemer, Neshoba County, that was probably of tornadic formation. Its path was about 200 yards wide. Three persons were injured and property damaged to the amount of about $2,500.

On May 21, about 4 p. m., a tornado occurred near Agricola, George County, moving northwesterly. Its path was from 250 to 300 yards wide and of undetermined length. No one was killed, but the property damage amounted to about $5,000.

Near midnight of June 5–6 a tornado passed through the southern portion of Warren County, about 12 miles south of Vicksburg, moving in an easterly direction. Its path varied from about 200 to 1,000 feet in width. Four persons were killed and 25 injured, while the property loss was estimated at about $20,000. About one hour later the storm appeared about 35 miles east-northeast, at which time it passed over Jackson, moving northeasterly. Its path in this locality varied from 100 to 2,000 feet in width and was about 13 miles long. Thirteen persons were killed and 56 injured, while the property damage was estimated at $275,000. Two other tornadoes occurred soon after midnight on June 6, one near Vaiden, Carroll County,

about 1.30 a. m., and the other near Pineville, Smith County, about 3.30 a. m., both moving in a northeasterly direction. These resulted in only slight property damage and no fatalities.

On December 26 a tornado occurred near Estill, Washington County, about 7.30 p. m., moving northeasterly. Details as to its path are unavailable, but one person was killed, 12 injured, and the property damaged amounted to about $10,000.

On December 28, about 3.45 a. m., a storm, probably of tornadic formation, occurred near Hattiesburg, Forrest County, moving northeasterly. Its path was about 100 feet wide and about 5 miles long. No one was injured, and the property damage was small.

*Missouri.*—A tornado developed in Bourbon County, Kans, on the afternoon of April 19 and passed into Vernon County, Mo., about 4.30 p. m. Thence it moved in a northeasterly direction across northwest Vernon County, southwest Bates, northwest St. Clair, the central portions of Benton and Morgan, northern Miller, southern Moniteau, and finally dissipated in southern Cole County about 8 p. m. On reaching the eastern portion of St. Clair County, about 5.30 p. m., the whirl apparently divided into two separate storms, taking different paths, but each had less energy than the original. The northern branch, after passing over Stover, in Morgan County, apparently dissipated, but the southern continued through the northern portion of Miller County and apparently dissipated in the hills southeast of Russellville, in Cole County. The length of the storm's path in Missouri was about 125 miles, and it averaged about one-sixth mile in width. Nine persons were killed and about 150 injured to an extent requiring medical attention, while the property damage was estimated at about $1,000,000.

*Montana.*—No tornadoes reported.

*Nebraska.*—On May 20, about 6 p. m., a tornado occurred near Wilsonville, Furnace County, moving northeasterly. Its path was about 400 feet wide and 20 miles long. No lives were lost, but 2 persons were injured and property damaged to the extent of about $20,000.

On May 25, between 8 and 9 p. m., a tornado formed near Ord, Valley County, and moved thence northeasterly through southeastern Garfield and into Wheeler County. Its path ranged in width from a few rods to nearly one-fifth of a mile and was about 25 miles long. The property damage was small and no lives were lost. About 10 p. m., of the same day, a tornado of weak energy and small extent occurred near Hartington, Cedar County. Its path was about 200 feet wide and less than a mile long. The damage was slight.

*Nevada.*—No tornadoes reported.

*New England.*—No tornadoes reported.

*New Jersey.*—No tornadoes reported.

*New Mexico.*—No tornadoes reported.

*New York.*—No tornadoes reported.

*North Carolina.*—On June 6 a tornado passed over Smithfield, Johnson County, moving northeasterly. Its path was about one-half mile wide and about 20 miles long. The property loss was estimated at about $20,000, but no fatalities were reported.

*North Dakota.*—No tornadoes reported.

*Ohio.*—Late in the afternoon of June 2 a storm, probably of tornadic formation, occurred in the southeastern portion of Green County, moving slightly north of east. It passed through Maple Corner, thence south of Silver Springs, New Jasper, and Jamestown and north of Paintersville and Bowersville, the path of greatest destruction being about 200 feet wide. One death resulted, and some estimates of property loss ran as high as $100,000.

*Oklahoma.*—A tornado destroyed the town of Kemp City, Bryan County, about 9.30 p. m., of May 20. The path of greatest destruction was 200 to 300 feet wide, extending in a southwest-northeast direction. Nine persons were killed and 28 injured, and the property loss was estimated to be between $30,000 and $40,000.

On June 14, between 3 and 4 a. m., tornadoes occurred at Wanette, Pattawatomie County, Stratford, Garvin County, and Lawrence, Pontotoc County, all in the south-central portion of the State. Details of these storms are lacking, and while no lives were reported lost the property damage was great, principally in the destruction of crops.

*Oregon.*—No tornadoes reported.

*Pennsylvania.*—No tornadoes reported.

*South Carolina.*—No tornadoes reported.

*South Dakota.*—On June 22, about 6 p. m., a tornado occurred in southeastern Clark County, moving at first in a northeasterly and later in a northerly direction. Its path was about 250 feet wide at the beginning of its course, but narrowed to about 20 feet near the end and was about 7 miles long. Two lives, and property to the value of about $6,000, were lost.

On July 18 a storm, probably of tornadic formation, developed in northern Beadle County, about 8 p. m. It moved thence northeastward through Spink County and into Clark County, apparently dissipating soon after passing Bradley. Definite information as to the width of the storm's path is not available, but its length was about 50 miles. Two persons were killed, and property estimated at $200,000 was destroyed.

*Tennessee.*—On January 12, about 3 p. m., a tornado passed through Madison, about 8 miles northeast of Nashville, moving northeasterly. Its path was about 5 miles long and varied from 100 to 200 yards in width. No one was killed, and the property damage was estimated to be about $7,500.

*Texas.*—A storm, probably of tornadic character, occurred near Anna, Collin County, about 10 p. m., on March 24. It moved northeasterly in a path about one-half mile wide, but its length is unknown. Two persons were injured, and the property damage was estimated to be about $25,000.

On May 20, a tornado occurred near Flint, Smith County, moving northeasterly. The storm was of moderate force only and the loss comparatively slight, although one person was seriously injured.

*Utah.*—A tornadic storm of comparatively weak energy occurred on August 5, in the Valley of the East Fork of the Sevier River. Its path was about 25 feet wide and not over half a mile long. No material damage resulted.

*Virginia.*—No tornadoes reported.

*Washington.*—On June 26 a storm, probably of the tornadic type, occurred southeast of Walla Walla. Details are lacking, and while considerable damage was done to property no lives were lost.

*West Virginia.*—No tornadoes reported.

*Wisconsin.*—On June 1, about 9 p. m., a storm, probably of tornadic character, occurred near Mazomanie, Dane County, moving northeasterly. Its path was about one-fourth mile wide and 5 or 6 miles long. No one was injured, but the property damage amounted to about $20,000.

*Wyoming.*—No tornadoes reported.

## HAIL.

Charts Nos. 6 and 7 show for the different sections of the country the occurrence of hail during the warm season (April–September) of 1916, based on the records of all the regular and cooperative stations of the bureau. In the preparation of these charts effort has been made to show two degrees of intensity, moderately heavy hail, resulting in slight damage only, and heavy or destructive hail, resulting in material damage to crops or other property. Chart 6 shows the former and Chart 7 the latter class. Numerous occurrences of hail were reported from which no damage resulted, but these were not considered for our present purpose.

Hail storms are often extremely local in character, great damage sometimes being done in a restricted locality, while those nearby escape unharmed. Moreover, its occurrence is very irregular from year to year; consequently the distribution indicated on the accompanying charts should not be construed as indicative of the usual condition. As a rule, hail occurs with greater frequency in the Great Plains region and some adjoining localities than in other portions of the country. In portions of the Pacific coast region and also along the immediate Atlantic and Gulf coasts hail seldom occurs, and, in general, destructive hail is of infrequent occurrence over extensive areas east of the Mississippi River.

## LOSS FROM WIND STORMS, 1916.

Effort has been made to collect through the field service officials of the Weather Bureau statistics as to the loss of life and damage to property occasioned by wind storms, other than tornadoes, during the year 1916. The results are shown in the following table. The amounts of property damage given are estimates only, and in many cases it was found impossible to obtain even rough estimates of loss, in which cases symbols are entered to indicate that while damaging winds were reported, no estimates of loss could be obtained. Loss from wind only is included in the table.

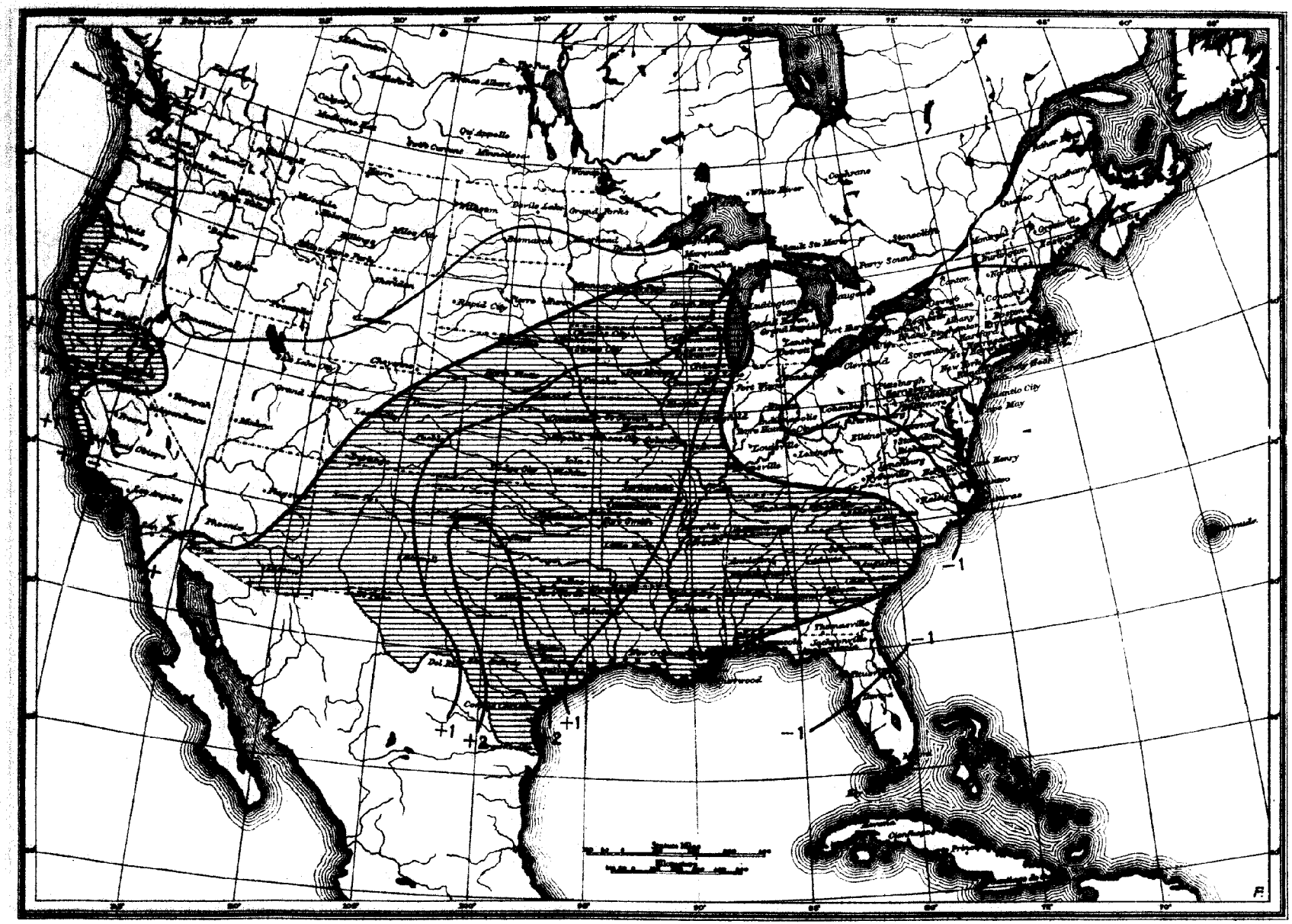
| States. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. | Number of lives lost. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alabama | | | | | $15,000 | | $4,000,000 | | | $26,000 | | | $4,041,000 | 5 |
| Arizona | | | | | | | | | | | | | | |
| Arkansas | | | | | | (1) | | | | | | | (1) | 6 |
| California | $3,075,000 | | | | | | | | | | | | 3,075,000 | 9 |
| Colorado | 500 | | $800 | | 550 | $4,000 | | $200 | | 1,500 | $1,000 | $700 | 9,050 | |
| Florida | | | | | | | 2,000,000 | | | 100,000 | | | 2,100,000 | |
| Georgia | | $7,000 | | | | | | | | (1) | | | [2] 7,000 | |
| Idaho | | | | | | | | | | | | | | |
| Illinois | | | 100,000 | [2] $25,000 | [2] 5,000 | (1) | [2] 200,000 | (1) | | | | | [2] 330,000 | 2 |
| Indiana | | | 1,000,000 | | | | | | | | | | 1,000,000 | 4 |
| Iowa | | | | 700 | 5,000 | | | 2,000 | $4,500 | | | | 12,200 | |
| Kansas | | | | | 16,500 | 5,000 | | | | | | | 21,500 | |
| Kentucky | | | [2] 30,000 | 125,000 | (1) | [2] 200,000 | [2] 100,000 | (1) | (1) | | | | [2] 455,000 | |
| Louisiana | | | | | | | | | | | | | | |
| Maryland and Delaware | | | | (1) | (1) | (1) | | (1) | | | | (1) | (1) | 1 |
| Michigan | 600 | | | | (1) | | (1) | (1) | [2] 50,000 | (1) | | | [2] 50,600 | 1 |
| Minnesota | | | | | [2] 1,500 | 1,000 | 3,000 | 55,000 | | | | | [2] 60,500 | 1 |
| Mississippi | | | | | | | | | | | | | | |
| Missouri | | | | | | | | | | | | | | |
| Montana | | | | | | (1) | (1) | | | | | | (1) | |
| Nebraska | | | | | | | | | | | | | | |
| Nevada | | | | | | | | | | | | | | |
| New England | | | | | | | | | | | | | | |
| New Jersey | | | | | | | | | | | | | | |
| New Mexico | | | | | | | | | | | | | | |
| New York | | | | | | | | (1) | | | | | (1) | |
| North Carolina | | | | | 500 | 8,000 | 750 | 5,000 | | | | | 14,250 | |
| North Dakota | | | | | | | | (1) | | | | | (1) | 2 |
| Ohio | | | | (1) | (1) | 20,000 | | | | | | | [2] 20,000 | 1 |
| Oklahoma | | | | | (1) | 100,000 | | (1) | | | | | [2] 100,000 | 1 |
| Oregon | | | | 100 | | | | (1) | | | | | [2] 100 | |
| Pennsylvania | | | | | | | | | | | | | | |
| South Carolina | | | | | | | (1) | | | | | | (1) | |
| South Dakota | | | | | 4,500 | | 40,000 | | | | | | 44,500 | 1 |
| Tennessee | 500 | | | 1,300 | 5,000 | [2] 3,000 | | | | | | | [2] 9,800 | 25 |
| Texas | | (1) | | | | (1) | | | | | | | (1) | 1 |
| Utah | 16,500 | 400 | 3,800 | 3,000 | 5,500 | 100 | | | 75 | 500 | 250 | 300 | 30,425 | 1 |
| Virginia | | | 3,600 | | | 1,000 | | | | | | | 4,600 | |
| Washington | | | | | | | | | 145,000 | | | | 145,000 | |
| West Virginia | | | | | | | | | | | | | | |
| Wisconsin | | | | | 62,000 | 8,300 | 27,800 | 76,500 | 7,000 | (1) | | | [2] 181,600 | 4 |
| Wyoming | | | | | | | | | | | | | | |
| | | | | | | | | | | | Totals | | 11,712,125 | 65 |

[1] Indicates losses reported, but no estimate of amount obtainable.
[2] Indicates additional losses, but no estimate of amount obtainable.

*Annual summary, climatological data, Canadian stations, 1916.*

[Data furnished by the Canadian Meteorological Service.]

| Stations. | Pressure in inches. | | | Temperature. | | | | | | Precipitation, inches. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Station reduced to mean of 24 hours. | Sea level reduced to mean of 24 hours. | Departure from normal. | Mean maximum+mean minimum ÷2. | Departure from normal. | Mean maximum. | Mean minimum. | Highest. | Lowest. | Total. | Departure from normal. | Total snowfall. |
| St. Johns, Newfoundland | 29.67 | 29.81 | −0.10 | 41.1 | +0.6 | 47.6 | 34.6 | 84 | −10 | 45.04 | − 9.59 | 80.2 |
| Sydney, Cape Breton Island | 29.88 | 29.92 | −0.02 | 42.8 | +1.5 | 51.5 | 34.0 | 88 | −25 | 45.19 | − 5.09 | 108.5 |
| Halifax, Nova Scotia | 29.83 | 29.94 | −0.03 | 43.7 | +0.9 | 52.6 | 34.8 | 89 | −14 | 45.56 | −11.47 | 91.9 |
| Yarmouth, Nova Scotia | 29.87 | 29.94 | −0.04 | 42.7 | −0.5 | 49.4 | 36.0 | 79 | −10 | 42.99 | − 7.34 | 117.2 |
| Charlottetown, Prince Edward Island | 29.87 | 29.91 | −0.03 | 41.7 | +0.7 | 48.6 | 34.9 | 88 | −16 | 34.27 | − 7.35 | 92.4 |
| Chatham, New Brunswick | 29.91 | 29.93 | −0.01 | 41.1 | +2.4 | 50.6 | 31.6 | 96 | −19 | 40.60 | − 0.69 | 94.9 |
| Father Point, Quebec | 29.90 | 29.92 | −0.01 | 36.3 | +1.5 | 43.5 | 29.2 | 80 | −17 | 32.98 | − 0.01 | 117.1 |
| Quebec, Quebec | 29.64 | 29.97 | −0.01 | 39.5 | +1.3 | 47.5 | 31.6 | 92 | −24 | 42.73 | + 1.01 | 91.0 |
| Montreal, Quebec | 29.76 | 29.97 | −0.02 | 42.9 | +1.4 | 50.6 | 35.3 | 92 | −18 | 38.81 | − 2.18 | 98.3 |
| Stonecliffe, Ontario | 29.36 | 29.98 | −0.01 | 39.4 | +1.2 | 50.9 | 27.9 | 98 | −30 | 30.81 | + 0.35 | 67.4 |
| Ottawa, Ontario | 29.71 | 29.97 | −0.03 | 41.9 | +1.3 | 50.8 | 33.0 | 97 | −20 | 39.09 | + 6.49 | 119.6 |
| Kingston, Ontario | 29.68 | 30.00 | −0.01 | 44.2 | +1.1 | 51.9 | 36.6 | 88 | −16 | 37.47 | + 4.66 | 58.8 |
| Toronto, Ontario | 29.58 | 29.99 | −0.03 | 46.4 | +2.2 | 55.0 | 38.6 | 100 | − 9 | 31.97 | − 1.75 | 67.3 |
| White River, Ontario | 28.59 | 29.94 | −0.04 | 30.6 | −1.5 | 43.8 | 19.1 | 95 | −51 | 29.10 | + 4.31 | 116.2 |
| Port Stanley, Ontario | 29.37 | 30.02 | −0.01 | 45.1 | +0.4 | 53.2 | 36.4 | 91 | −16 | 43.00 | + 8.58 | 81.3 |
| Southampton, Ontario | 29.28 | ..... | ..... | 43.6 | +1.2 | 51.8 | 35.6 | 91 | −19 | 43.37 | + 9.16 | 131.2 |
| Parry Sound, Ontario | 29.27 | 29.97 | −0.03 | 42.2 | +2.0 | 51.6 | 32.8 | 98 | −24 | 48.15 | + 9.88 | 150.0 |
| Port Arthur, Ontario | 29.26 | 29.98 | −0.02 | 35.8 | +1.4 | 45.4 | 26.2 | 99 | −27 | 29.35 | + 4.59 | 51.4 |
| Winnipeg, Manitoba | 29.14 | 29.99 | −0.01 | 34.2 | +1.1 | 43.8 | 24.6 | 95 | −41 | 24.19 | + 3.21 | 85.4 |
| Minnedosa, Manitoba | 28.13 | 29.98 | −0.02 | 32.2 | +0.6 | 42.4 | 22.0 | 91 | −40 | 20.47 | + 4.02 | 61.1 |
| Qu'Appelle, Saskatchewan | 27.65 | 29.94 | −0.04 | 32.3 | −1.0 | 43.8 | 22.0 | 89 | −46 | 26.54 | +10.46 | 80.4 |
| Medicine Hat, Alberta | 27.63 | 29.93 | −0.03 | 39.5 | −0.8 | 51.5 | 27.5 | 94 | −48 | 17.90 | + 4.10 | 42.4 |
| Swift Current, Saskatchewan | 27.34 | 29.95 | −0.02 | 34.9 | −2.6 | 46.1 | 23.6 | 91 | −49 | 23.98 | + 8.51 | 91.8 |
| Calgary, Alberta | 26.38 | 29.96 | +0.03 | 37.4 | +0.2 | 47.8 | 25.4 | 87 | −41 | 13.91 | − 0.96 | 45.4 |
| Banff, Alberta | 25.33 | 29.99 | +0.06 | 32.3 | −2.4 | 43.3 | 21.4 | 84 | −46 | 25.24 | + 3.33 | 124.1 |
| Edmonton, Alberta | 27.62 | 29.93 | 0.00 | 34.8 | −0.8 | 45.6 | 24.0 | 81 | −45 | 20.95 | + 5.12 | 56.2 |
| Prince Albert, Saskatchewan | 28.37 | 29.96 | −0.02 | 32.1 | +1.6 | 42.8 | 21.4 | 86 | −58 | 19.52 | + 4.61 | 36.3 |
| Battleford, Saskatchewan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 89 | −61 | ..... | ..... | ..... |
| Kamloops, British Columbia | 28.76 | 30.08 | +0.15 | 42.9 | −4.2 | 52.9 | 32.9 | 95 | −28 | 9.84 | − 1.79 | 32.7 |
| Victoria, British Columbia | 29.79 | 30.05 | +0.05 | 47.4 | −1.2 | 53.3 | 41.5 | 86 | 15 | 29.46 | − 8.68 | 78.2 |
| Barkerville, British Columbia | 25.65 | 30.02 | +0.12 | 31.5 | −4.7 | 40.8 | 22.1 | 76 | −40 | 33.60 | + 0.04 | 158.6 |
| Hamilton, Bermuda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 85 | 46 | ..... | ..... | 0.0 |




DEPARTURE FROM NORMAL TEMPERATURE IN DEGREES FAHRENHEIT FOR THE CROP SEASON OF 1916, MARCH 1 TO SEPTEMBER 30.

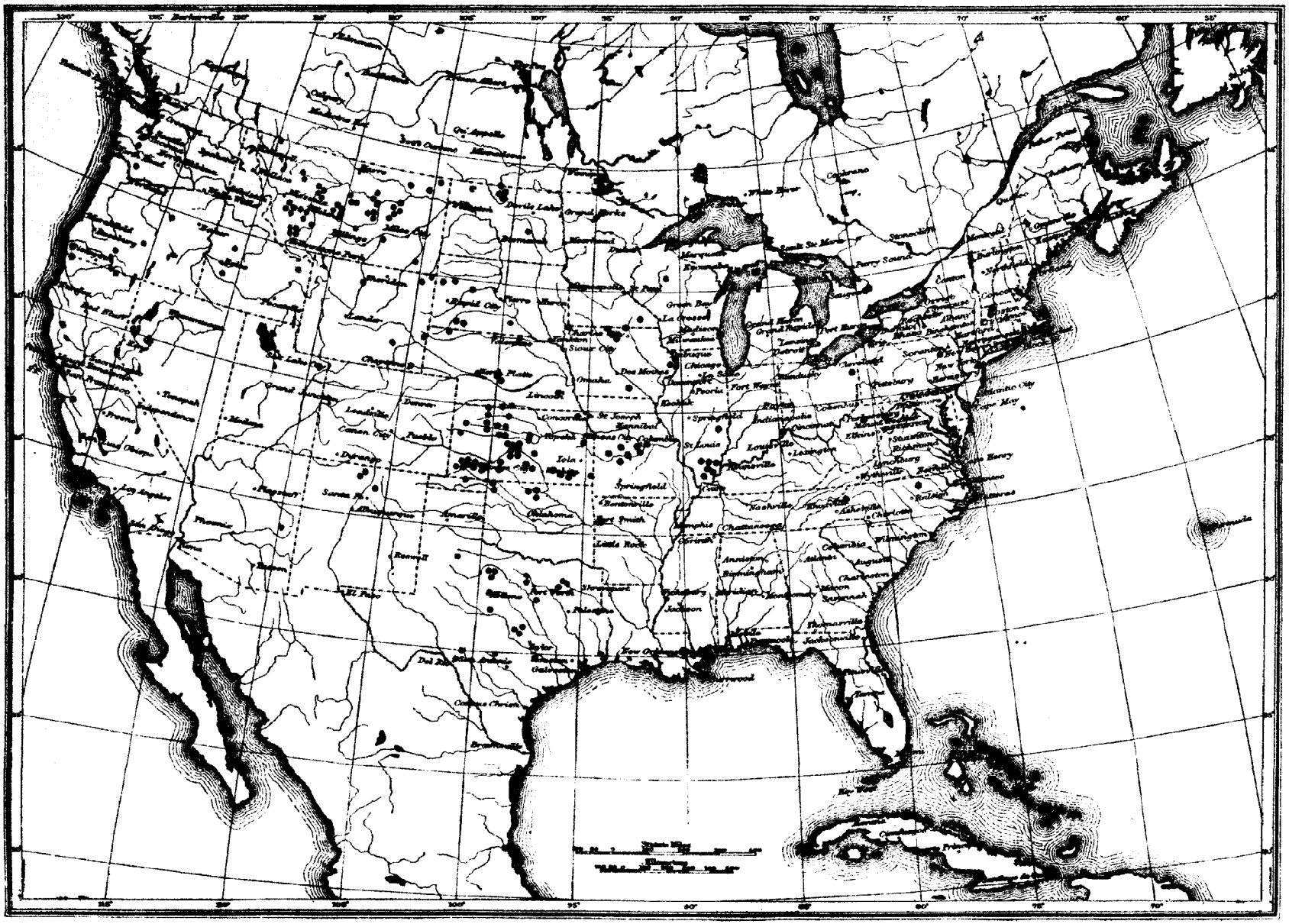
TOTAL PRECIPITATION, INCHES, FOR THE CROP SEASON OF 1916, MARCH 1 TO SEPTEMBER 30.

DEPARTURE FROM NORMAL PRECIPITATION FOR THE CROP SEASON OF 1916, MARCH 1 TO SEPTEMBER 30.

TOTAL PRECIPITATION FOR THE YEAR 1916.

THE ARROWS ON THIS CHART SHOW THE OCCURRENCE, LOCATION, AND DIRECTION OF MOTION OF TORNADOES DURING THE YEAR 1916, THE ARROWS POINTING IN THE

THE DOTS ON THIS CHART SHOW THE OCCURRENCE AND LOCALITY OF MODERATELY HEAVY HAIL, DOING SLIGHT DAMAGE ONLY, REPORTED BY THE OBSERVERS OF THE WEATHER BUREAU, FOR THE WARM SEASON OF 1916, APRIL 1 TO SEPTEMBER 30.



THE DOTS ON THIS CHART SHOW THE OCCURRENCE AND LOCALITY OF HEAVY HAIL, DOING MATERIAL DAMAGE TO CROPS AND OTHER PROPERTY, REPORTED BY THE OBSERVERS OF THE WEATHER BUREAU, FOR THE WARM SEASON OF 1916, APRIL 1 TO SEPTEMBER 30.

# 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."

Changes in the elevations of other instruments during 1916 are shown by the figures immediately below, and the dates of such changes are given under appropriate heading.

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, 1916);

**T** = continuous records of temperature (on December 31, 1916);

**W** = continuous records of wind (direction and velocity) (on December 31, 1916);

**V** = continuous records of wind (velocity only) (on December 31, 1916);

**R** = continuous records of rainfall (on December 31, 1916);

**S** = continuous records of sunshine (on December 31, 1916).

*Summary of stations in operation during the year.*

| | |
|---|---|
| Taking two observations daily (all elements) | 180 |
| Taking one observation daily (all elements) | 55 |
| Taking one observation daily (temperature, rainfall, wind, and weather) | 19 |
| Taking one observation daily (temperature and rainfall only, cotton, sugar, and rice regions) | 138 |
| Taking one observation daily (temperature and rainfall only, corn and wheat regions) | 159 |
| Taking one observation daily (river and rainfall only) | 413 |
| Taking one observation daily (rainfall stations) | 46 |
| River flood stations | 61 |
| Rainfall flood stations | 159 |
| Taking one observation daily (cotton and special meteorological) | 2 |
| Taking one observation daily (special meteorological and river) | 3 |
| Taking one observation daily (sugar and rice and river) | 2 |
| Taking one observation daily (cotton and river) | 28 |
| Taking one observation daily (cotton and rainfall) | 29 |
| Taking one observation daily (corn and wheat and river) | 8 |
| Taking one observation daily (corn and wheat and rainfall) | 31 |
| Taking one observation daily (river and storm warning) | 1 |
| Taking one observation daily (cranberry) | 10 |
| Taking one observation daily (special fruit) | 52 |
| Taking one observation daily (special fruit and river) | 1 |
| Taking one observation daily (special meteorological and storm warning) | 2 |
| Taking one observation daily (special meteorological and tomato) | 1 |
| Taking one observation daily (cattle region) | 12 |
| Taking one observation daily (special tobacco) | 13 |
| Taking one observation daily (special alfalfa) | 4 |
| Vessel weather stations | 55 |
| Snowfall stations | 219 |
| Snowfall and evaporation | 2 |
| Total paid stations | 1,705 |
| Cooperative stations, about | [1]4,450 |
| Grand total | 6,155 |

[1] Exclusive of the observers of the cattle, 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.*

| Stations. | Latitude. | | Longitude. | | Local meridian time faster or slower than 75th meridian. | | Elevation Dec. 31, 1916. Barometer above sea. | Thermometer above ground. | Rain gage above ground. | Anemometer above ground. | Observations began. | Dates of changes in elevation during 1916. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ′ | ° | ′ | h. | m. | Feet. | Feet. | Feet. | Feet. | | |
| Abilene, P T W R S | 32 | 23 | 99 | 40 | 1 | 39 S. | 1,738 | 10 | 3 | 52 | 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 W R 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 | 70 | 61 | 84 | Aug. 22, 1902 | |
| Atlanta, P T W R S | 33 | 45 | 84 | 23 | | 38 S. | 1,174 | 190 | 182 | 216 | Sept. 25, 1878 | |
| 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<br>62 | 54<br>54 | 97<br>77 | Nov. 2, 1870<br>..... | Mar. 8, 1916 |
| Baker, P T W R S | 44 | 46 | 117 | 50 | 2 | 51 S. | 3,471 | 48 | 40 | 53 | 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 | 10 | 3 | 69 | 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 | |
| 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 | 13 | 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 | |
| Brownsville, V | 26 | 00 | 97 | 26 | 1 | 30 S. | 57 | 3<br>4 | 2<br>3 | 40<br>26 | Nov. 18, 1875<br>..... | Oct. 31, 1916 |
| Buffalo, P T W R S | 42 | 53 | 78 | 53 | | 16 S. | 767 | 247 | 238 | 280 | 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 | 61 | 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 W | 38 | 56 | 74 | 51 | | 01 F. | 17 | 13 | 3 | 49 | July 16, 1897 | |
| Charles City, P T W R S | 43 | 04 | 92 | 38 | 1 | 11 S. | 1,015 | 10 | 4 | 49 | Nov. 1, 1904 | |
| Charleston, P T W R S | 32 | 47 | 79 | 56 | | 20 S. | 48 | 11 | 76 | 92 | Jan. 5, 1871 | |
| Charlotte, P T W R S | 35 | 13 | 80 | 51 | | 23 S. | 773 | 153 | 144 | 161 | Oct. 6, 1878 | |
| Chattanooga, P T W R S | 35 | 04 | 85 | 14 | | 41 S. | 762 | 189 | 167 | 213 | Sept. 12, 1875 | |
| Cheyenne, P T W R S | 41 | 08 | 104 | 48 | 1 | 59 S. | 6,088 | 84 | 75 | 101 | 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 | 11 | 3 | 51 | Nov. 1, 1870 | |
| 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 | 222 | July 1, 1878 | |
| Concord, P T W R S | 43 | 12 | 71 | 32 | | 14 F. | 288 | 70 | 62 | 79 | Nov. 1, 1902 | |
| Concordia, P T W R S | 39 | 35 | 97 | 41 | 1 | 31 S. | 1,398 | 50 | 42 | 58 | May 1, 1885 | |
| Corpus Christi, P T W R S | 27 | 49 | 97 | 25 | 1 | 30 S. | 20 | 69 | 61 | 77 | Feb. 1, 1887 | |
| Dallas, P T W R S | 32 | 46 | 96 | 47 | 1 | 27 S. | 512 | 109 | 92 | 117 | Oct. 15, 1913 | |
| Davenport, P T W R S | 41 | 30 | 90 | 38 | 1 | 03 S. | 606 | 71 | 65 | 79 | May 24, 1871 | |
| Dayton, P T W R S | 39 | 46 | 84 | 10 | | 37 S. | 899 | 181 | 176 | 216 | July 10, 1911 | |
| Del Rio, P T W R S | 29 | 20 | 100 | 53 | 1 | 44 S. | 944 | 64 | 56 | 71 | Nov. 9, 1905 | |
| Denver, P T W R S | 39 | 45 | 105 | 00 | 2 | 00 S. | 5,291 | 129<br>106 | 119<br>98 | 172<br>113 | Nov. 19, 1871<br>..... | Jan. 29, 1916 |
| Des Moines, P T W R S | 41 | 35 | 93 | 37 | 1 | 14 S. | 861 | 84 | 76 | 97 | 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 | 11 | 3 | 51 | Sept. 15, 1874 | |
| Drexel, P T W R S | 41 | 20 | 96 | 16 | 1 | 25 S. | 1,299 | 10 | 3 | 54 | June 1, 1915 | |
| Dubuque, P T W R S | 42 | 30 | 90 | 44 | 1 | 03 S. | 698 | 81 | 76 | 96 | July 2, 1873 | |
| Duluth, P T W R S | 46 | 47 | 92 | 06 | 1 | 08 S. | 1,133 | 11 | 3 | 47 | Nov. 1, 1870 | |
| Eastport, P T W R S | 44 | 54 | 66 | 59 | | 32 F. | 76 | 67 | 62 | 85 | Apr. 1, 1873 | |
| Elkins, P T W R S | 38 | 53 | 79 | 49 | | 19 S. | 1,940 | 41 | 34 | 50 | Jan. 1, 1899 | |
| El Paso, P T W R 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 | 130 | 122 | 166 | May 25, 1873 | |
| Escanaba, P T W R S | 45 | 48 | 87 | 05 | | 48 S. | 612 | 54 | 44 | 60 | May 24, 1871 | |
| Eureka, P T W R S | 40 | 48 | 124 | 11 | 3 | 17 S. | 62 | 73 | 65 | 89 | Jan. 1, 1887 | |
| Evansville, P T W R S | 37 | 58 | 87 | 33 | | 50 S. | 431 | 72<br>139 | 66<br>135 | 82<br>175 | Dec. 1, 1897<br>..... | Jan. 1, 1916 |
| Flagstaff, P T W R S | 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 Wayne, P T W R S | 41 | 05 | 85 | 10 | | 41 S. | 856 | 113 | 107 | 124 | June 1, 1911 | |
| Fort Worth, P T W R S | 32 | 43 | 97 | 15 | 1 | 29 S. | 670 | 106 | 51 | 114 | Sept. 1, 1898 | |
| Fresno, P T W R S | 36 | 43 | 119 | 49 | 2 | 59 S. | 330 | 89 | 82 | 98 | Aug. 18, 1887 | |
| Galveston, P T W R S | 29 | 18 | 94 | 50 | 1 | 19 S. | 54 | 106 | 98 | 114 | Apr. 19, 1871 | |

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, 1916. | | | | Observations began. | | Dates of changes in elevation during 1916. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Barometer above sea. | Thermometer above ground. | Rain gage above ground. | Anemometer above ground. | | | |
| | ° | ′ | ° | ′ | h. | m. | Feet. | Feet. | Feet. | Feet. | | | |
| Grand Haven, **P T W R S** | 43 | 05 | 86 | 13 | | 45 S. | 632 | 54 | 49 | 92 | May | 24, 1871 | |
| Grand Junction, **P T W R S** | 39 | 04 | 108 | 34 | 2 | 14 S. | 4,602 | 82 | 74 | 96 | Jan. | 1, 1899 | |
| Grand Rapids, **P T W R S** | 42 | 58 | 85 | 40 | | 43 S. | 707 | 70 | 70 | 87 | July | 1, 1903 | |
| Green Bay, **P T W R S** | 44 | 31 | 88 | 00 | | 52 S. | 617 | 109 | 101 | 144 | Sept. | 1, 1886 | |
| Hannibal, **P T W R S** | 39 | 41 | 91 | 20 | 1 | 05 S. | 534 | 74 | 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 | 140 | Oct. | 7, 1904 | |
| Hatteras, **P T W R S** | 35 | 15 | 75 | 40 | | 03 S. | 11 | 12 | 37 | 50 | 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 | 87 | 80 | 114<br>112 | Apr.<br>..... | 1, 1880 | Nov. 1, 1916 |
| Honolulu, **P T W R S** | 21 | 19 | 157 | 52 | 5 | 31 S. | 38 | 111 | 99 | 119 | Sept. | 1, 1904 | |
| Houghton, **P T W R S** | 47 | 07 | 88 | 34 | | 54 S. | 668 | 62 | 57 | 72<br>83 | Aug.<br>..... | 26, 1900 | Apr. 28, 1916 |
| Houston, **P T W R S** | 29 | 47 | 95 | 24 | 1 | 22 S. | 138 | 111 | 104 | 121 | Sept. | 16, 1909 | |
| Huron, **P T W R S** | 44 | 21 | 98 | 14 | 1 | 33 S. | 1,306 | 59 | 53 | 74 | 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 | 194 | 188 | 230 | Feb. | 10, 1871 | |
| Iola, **P T W R S** | 37 | 55 | 95 | 25 | 1 | 22 S. | 984 | 11 | 3 | 50 | Aug. | 20, 1905 | |
| Ithaca, **P T W R S** | 42 | 27 | 76 | 29 | | 06 S. | 836 | 82 | 4 | 100 | ..... | | |
| Jacksonville, **P T W R S** | 30 | 20 | 81 | 39 | | 27 S. | 43 | 209 | 198 | 245 | Sept. | 11, 1871 | |
| Kalispell, **P T W R S** | 48 | 10 | 114 | 25 | 2 | 38 S. | 2,962 | 11 | 4 | 34 | May | 3, 1899 | |
| Kansas City, **P T W R S** | 39 | 05 | 94 | 37 | 1 | 18 S. | 963 | 161 | 141 | 181 | Apr. | 21, 1873 | |
| Keokuk, **P T 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 | 64 | 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 | 60 | 54 | 68 | Aug. | 1, 1891 | |
| Lansing, **P T W R S** | 42 | 44 | 84 | 26 | | 38 S. | 878 | 11 | 3 | 62 | May | 1, 1910 | |
| Lewiston, **P T W R S** | 46 | 25 | 117 | 02 | 2 | 48 S. | 757 | 40 | 32 | 48 | Oct. | 1, 1900 | |
| Lexington, **P T W R S** | 38 | 02 | 84 | 33 | | 38 S. | 989 | 193 | 187 | 230 | 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 | Aug. | 21, 1873 | |
| Los Angeles, **P T W R S** | 34 | 03 | 118 | 15 | 2 | 53 S. | 338 | 159 | 151 | 191 | July | 1, 1879 | |
| Louisville, **P T W R S** | 38 | 15 | 85 | 45 | | 43 S. | 525 | 219 | 214 | 255 | Sept. | 11, 1871 | |
| Ludington, **P T W R S** | 43 | 57 | 86 | 27 | | 46 S. | 637 | 60 | 53 | 66 | Sept. | 12, 1912 | |
| Lynchburg, **P T W R S** | 37 | 25 | 79 | 09 | | 17 S. | 681 | 153 | 146 | 188 | May | 24, 1871 | |
| Macon, **P T W R S** | 32 | 50 | 83 | 38 | | 35 S. | 370 | 78 | 71 | 87 | Apr. | 8, 1899 | |
| 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 | 4<br>5 | 4<br>3 | 46<br>43 | Nov.<br>..... | 10, 1904 | July 1, 1916 |
| Marquette, **P T W R S** | 46 | 34 | 87 | 24 | | 50 S. | 734 | 77 | 70 | 111 | May | 11, 1871 | |
| Memphis, **P T W R S** | 35 | 09 | 90 | 03 | 1 | 00 S. | 399 | 76 | 69 | 97 | Feb. | 28, 1871 | |
| Meridian, **P T W R S** | 32 | 21 | 88 | 40 | | 55 S. | 375 | 85 | 62 | 93 | Sept. | 1, 1889 | |
| Miami, **P T W R S** | 25 | 48 | 80 | 12 | | 21 S. | 25 | 71 | 64 | 79 | June | 3, 1911 | |
| Miles City, **P V** | 46 | 25 | 105 | 49 | 2 | 03 S. | 2,371 | 26<br>48 | 32<br>39 | 48<br>55 | Oct.<br>..... | 1, 1891 | Oct. 2, 1916 |
| Milwaukee, **P T W R S** | 43 | 02 | 87 | 54 | | 52 S. | 681 | 125 | 117 | 139 | Nov. | 1, 1870 | |
| Minneapolis, **P T W R S** | 44 | 59 | 93 | 18 | 1 | 13 S. | 918 | 102 | 92 | 208 | Nov. | 6, 1890 | |
| Mobile, **P T W R S** | 30 | 41 | 88 | 02 | | 52 S. | 57 | 125 | 119 | 161 | 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 R S** | 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 | |
| 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 | 168 | 161 | 191 | Nov. | 1, 1870 | |
| New Haven, **P T W R S** | 41 | 18 | 72 | 56 | | 08 F. | 106 | 117 | 111 | 155 | Dec. | 10, 1872 | |
| New Orleans, **P T W R S** | 29 | 58 | 90 | 04 | 1 | 00 S. | 51 | 76 | 71 | 84 | Nov. | 1, 1870 | |
| New York, **P T W R S** | 40 | 43 | 74 | 00 | | 04 F. | 314 | 414 | 407 | 454 | Nov. | 1, 1870 | |
| Norfolk, **P T W R S** | 36 | 51 | 76 | 17 | | 05 S. | 91 | 170 | 163 | 205 | Jan. | 1, 1871 | |
| Northfield, **P T W R S** | 44 | 10 | 72 | 41 | | 09 F. | 876 | 12 | 3 | 60 | 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 | 122 | Nov. | 1, 1870 | |
| Oswego, **P T W R S** | 43 | 29 | 76 | 35 | | 06 S. | 335 | 76 | 68 | 91 | Nov. | 1, 1870 | |
| Palestine, **P T W R S** | 31 | 45 | 95 | 40 | 1 | 23 S. | 510 | 64 | 57 | 72 | Dec. | 3, 1881 | |

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, 1916. Barometer above sea. | Thermometer above ground. | Rain gage above ground. | Anemometer above ground. | Observations began. | Dates of changes in elevation during 1916. |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | h. m. | Feet. | Feet. | Feet. | Feet. | | |
| Parkersburg, P T W R S | 39 16 | 81 36 | 26 S. | 638 | 77 | 70 | 84 | July 1, 1888 | |
| Pensacola, P T W R S | 30 25 | 87 13 | 49 S. | 56 | 140 | 131 | 183 | 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 | 123 | 114 | 190 | Jan. 1, 1871 | |
| Phoenix, P T W R S | 33 28 | 112 00 | 2 28 S. | 1,108 | 76<br>11 | 68<br>68 | 81<br>81 | Aug. 6, 1895<br>..... | June 27, 1916 |
| Pierre, P T W R S | 44 22 | 100 21 | 1 41 S. | 1,572 | 70 | 63 | 75 | July 1, 1891 | |
| Pittsburgh, P T W R S | 40 32 | 80 02 | 20 S. | 842 | 353 | 345 | 410 | Nov. 1, 1870 | |
| Pocatello, P T W R S | 42 52 | 112 29 | 2 30 S. | 4,477 | 46<br>60 | 37<br>52 | 54<br>68 | July 1, 1899<br>..... | Apr. 1, 1916 |
| Point Reves Light, P W R S | 38 11 | 122 51 | 3 11 S. | 490 | 7 | 4 | 18 | Mar. 1, 1889 | |
| Port Angeles, P T W R S | 48 07 | 123 06 | 3 12 S. | 42 | 8 | 29 | 48 | Mar. 1, 1916 | |
| 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 | 82 | 75 | 117 | Jan. 15, 1871 | |
| Portland, Oreg., P T W R S | 45 32 | 122 41 | 3 11 S. | 153 | 68 | 63 | 106 | Nov. 1, 1870 | |
| Providence, P T W R S | 41 50 | 71 25 | 14 F. | 160 | 215 | 211 | 251 | 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 | 103 | 94 | 110 | Apr. 1, 1884 | |
| Rapid City, P T W R S | 44 04 | 103 12 | 1 53 S. | 3,234 | 50 | 43 | 58 | Jan. 24, 1881 | |
| Reading, P T W R S | 40 20 | 75 58 | 04 S. | 325 | 81 | 73 | 98 | Dec. 1, 1912 | |
| 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 | 74 | 67 | 81 | Nov. 11, 1905 | |
| Richmond, P T W R S | 37 32 | 77 27 | 10 S. | 144 | 11 | 3 | 52 | Oct. 5, 1897 | |
| Rochester, P T W R S | 43 08 | 77 42 | 11 S. | 523 | 86 | 77 | 102 | Nov. 1, 1870 | |
| 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. | 3,566 | 75 | 69 | 85 | Dec. 20, 1904 | |
| Sacramento, P T W R S | 38 35 | 121 30 | 3 06 S. | 69 | 106 | 100 | 117 | July 1, 1877 | |
| Saginaw, P T W R S | 43 26 | 83 57 | 36 S. | 641 | 48 | 43 | 82 | Oct. 10, 1912 | |
| St. Joseph, P T W R S | 39 49 | 94 51 | 1 19 S. | 967 | 11 | 3 | 49 | Apr. 25, 1910 | |
| St. Louis, P T W R S | 38 38 | 90 12 | 1 01 S. | 568 | 265 | 258 | 303 | Nov. 1, 1870 | |
| St. Paul, P T W R S | 44 58 | 93 03 | 1 12 S. | 837 | 201 | 196 | 236 | .....do..... | |
| Salt Lake City, P T W R S | 40 46 | 111 54 | 2 28 S. | 4,360 | 163 | 156 | 203 | Mar. 19, 1874 | |
| San Antonio, P T W R S | 29 27 | 98 28 | 1 34 S. | 693 | 109<br>119 | 102<br>112 | 132<br>132 | Jan. 2, 1876<br>..... | May 12, 1916 |
| San Diego, P T W R S | 32 43 | 117 10 | 2 49 S. | 87 | 62 | 55 | 70 | Nov. 1, 1871 | |
| Sand Key, P T W R S | 24 27 | 81 52 | 28 S. | 23 | 39 | 6 | 72 | June 1, 1903 | |
| Sandusky, P T W R S | 41 25 | 82 40 | 31 S. | 629 | 62 | 54 | 103 | Aug. 2, 1877 | |
| Sandy Hook, P T W R S | 40 28 | 74 01 | 04 F. | 22 | 10 | 3 | 57 | Nov. 1, 1914 | |
| San Francisco, P T W R S | 37 48 | 122 26 | 3 10 S. | 155 | 209 | 200 | 213 | 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 Juan, P T W R S | 18 29 | 66 07 | 36 F. | 82 | 9 | 4 | 54 | Nov. 1, 1898 | |
| San Luis Obispo, P T W R S | 35 18 | 120 39 | 3 03 S. | 201 | 32 | 23 | 40 | June 1, 1885 | |
| Santa Fe, P T W R S | 35 41 | 105 57 | 2 04 S. | 7,013 | 57 | 49 | 66 | Nov. 20, 1871 | |
| Sault Ste. Marie, P T W R S | 46 30 | 84 21 | 37 S. | 614 | 11 | 3 | 61 | Aug. 5, 1877 | |
| Savannah, P T W R S | 32 05 | 81 05 | 24 S. | 65 | 150 | 143 | 194 | 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. | 125 | 215 | 209 | 250 | May 1, 1893 | |
| Sheridan, P T W R S | 44 48 | 106 57 | 2 08 S. | 3,790 | 10 | 3 | 47 | Apr. 29, 1907 | |
| Shreveport, P T W R S | 32 30 | 93 40 | 1 15 S. | 249 | 77 | 70 | 93 | Sept. 3, 1871 | |
| Sioux City, P T W R S | 42 29 | 96 24 | 1 26 S. | 1,135 | 94 | 86 | 164 | Dec. 1, 1887 | |
| 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. | 636 | 10 | 4 | 91 | July 1, 1879 | |
| Springfield, Mo., P T W R S | 37 12 | 93 18 | 1 13 S. | 1,324 | 98 | 66 | 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<br>92 | Mar. 13, 1890<br>..... | Feb. 26, 1916 |
| 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 | |
| Terre Haute, P T W R S | 39 29 | 87 24 | 50 S. | 575 | 96 | 84 | 129 | July 29, 1912 | |
| Thomasville, P T W R S | 30 48 | 83 58 | 36 S. | 273 | 8<br>49 | 4<br>41 | 57<br>58 | Aug. 20, 1905<br>..... | Jan. 1, 1916 |
| Toledo, P T W R S | 41 40 | 83 34 | 34 S. | 628 | 208 | 201 | 243 | Nov. 1, 1870 | |
| 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. | 983 | 85 | 76 | 101 | June 1, 1887 | |
| Trenton, P T W R S | 40 14 | 74 45 | 01 F. | 190 | 159 | 152 | 183 | Apr. 1, 1913 | |
| 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 | 65 | 58 | 74 | Sept. 10, 1871 | |

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, 1916. Barometer above sea. | Thermometer above ground. | Rain gage above ground. | Anemometer above ground. | Observations began. | Dates of changes in elevation during 1916. |
|---|---|---|---|---|---|---|---|---|---|
| | ° ′ | ° ′ | h. m. | Feet. | Feet. | Feet. | Feet. | | |
| Walla Walla, **P T W R S** | 46 02 | 118 20 | 2 53 S. | 1,000 | 57 | 50 | 65 | Dec. 1, 1885 | |
| Washington, **P T W R S** | 38 54 | 77 03 | 08 S. | 112 | 62 | 42 | 85 | Nov. 1, 1870 | |
| Wausau, **R** | 44 57 | 89 35 | 58 S. | 1,247 | 4 | 38 | ..... | June 18, 1915 | |
| Wichita, **P T W R S** | 37 41 | 97 20 | 1 29 S. | 1,358 | 139 | 132 | 158 | July 1, 1888 | |
| Williston, **P T W R S** | 48 09 | 103 35 | 1 54 S. | 1,872 | 40<br>41 | 29<br>33 | 47<br>48 | Nov. 24, 1893<br>..... | Feb. 26, 1916. |
| Wilmington, **P T W R S** | 34 14 | 77 57 | 12 S. | 78 | 81 | 76 | 91 | Jan. 1, 1871 | |
| Winnemucca, **P T 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 | 49 | 40 | 55 | 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, **PTWRS** | 44 58 | 110 42 | 2 23 S. | 6,200 | 11 | 4 | 48 | Dec. 2, 1903 | |
| Yuma, **P T W S** | 32 45 | 114 36 | 2 38 S. | 141 | 9 | 2 | 54 | Oct. 4, 1875 | |

WEST INDIAN STATIONS.

| Stations. | Latitude. | Longitude. | Local meridian time faster or slower than 75th meridian. | Elevation Dec. 31, 1916. Barometer above sea. | Thermometer above ground. | Rain gage above ground. | Anemometer above ground. | Observations began. | Dates of changes in elevation during 1916. |
|---|---|---|---|---|---|---|---|---|---|
| **Barbados.**[1] | ° ′ | ° ′ | h. m. | Feet. | Feet. | Feet. | Feet. | | |
| Bridgetown | 13 04 | 59 37 | 1 02 F. | 30 | ..... | ..... | ..... | Aug. 15, 1898 | |
| **British Honduras.** | | | | | | | | | |
| Belize | 17 30 | 88 12 | 53 S. | 17 | 5 | 3 | 46 | Dec. 1, 1916 | |
| **Caribbean Sea.**[1] | | | | | | | | | |
| Swan Islands | ..... | ..... | ..... | ..... | ..... | ..... | ..... | June 1, 1914 | |
| **Cuba.**[1] | | | | | | | | | |
| San Antonio | ..... | ..... | ..... | ..... | ..... | ..... | ..... | June 17, 1914 | |
| **Curaçao.**[1] | | | | | | | | | |
| Curaçao **P T** | 12 06 | 68 56 | 24 F. | 75 | ..... | ..... | ..... | Aug. 9, 1898 | |
| **Dominica.**[1] | | | | | | | | | |
| Roseau | 15 17 | 61 23 | 54 F. | 25 | ..... | ..... | ..... | Oct. 20, 1898 | |
| **Jamaica.**[1] | | | | | | | | | |
| Kingston | 17 58 | 76 48 | 07 S. | 24 | 48 | 51 | 63 | Aug. 16, 1898 | |
| **Trinidad.**[1] | | | | | | | | | |
| Port of Spain, **P** | 10 35 | 61 30 | 54 F. | 40 | ..... | ..... | ..... | Aug. 7, 1898 | |
| **Porto Rico.** | | | | | | | | | |
| San Juan, **P T W R S** | 18 29 | 66 07 | 36 F. | 82 | 48 | 40 | 90 | Nov. 1, 1898 | |
| **Santo Domingo.**[1] | | | | | | | | | |
| Santo Domingo | 18 28 | 69 53 | 20 F. | 57 | ..... | ..... | ..... | .....do..... | |
| **Turks Island.**[1] | | | | | | | | | |
| Grand Turk, **P V** | 21 21 | 71 07 | 16 F. | 11 | 6 | 2 | 20 | July 1, 1900 | |

[1] Reports received during the hurricane season, June 1 to Nov. 15.

TABLE II.—*Changes in Weather Bureau stations during 1916.*

ESTABLISHED.

| Stations. | Date established. |
|---|---|
| REGULAR. | |
| Port Angeles, Wash | Mar. 1 |
| SPECIAL METEOROLOGICAL. | |
| Belize, British Honduras | Dec. 1 |
| Port Crescent, Wash | Mar. 8 |
| COTTON. | |
| Dilley, Tex | Apr. 16 |
| Encinal, Tex | Do. |
| Hamilton, Ala | Do. |
| Hebbronville, Tex | Do. |
| Mariana, Ark | July 22 |
| Osceola, Ark | Do. |
| Uvalde, Tex | Apr. 16 |
| COTTON AND RIVER. | |
| Conway, S. C | Apr. 1 |
| Dublin, Ga | Apr. 16 |
| COTTON AND RAINFALL. | |
| Kershaw, S. C | Apr. 16 |
| Minden, La | May 1 |
| Weldon, N. C | Jan. 1 |
| CORN AND WHEAT. | |
| Ada, Minn | July 28 |
| Alva, Okla | Apr. 1 |
| Argyle, Minn | July 1 |
| Atlantic, Iowa | Do. |
| Beaver, Okla | Apr. 1 |
| Blackwell, Okla | Do. |
| Bowman, N. Dak | Do. |
| Bozeman, Mont | Apr. 11 |
| Cherokee, Okla | Apr. 1 |
| Cut Bank, Mont | Aug. 20 |
| Decorah, Iowa | July 1 |
| Fairfax, S. Dak | Do. |
| Flint, Mich | May 1 |
| Havana, Ill | Apr. 1 |
| Hutchinson, Minn | July 8 |
| Inwood, Iowa | Apr. 1 |
| Kingfisher, Okla | Do. |
| Lamoni, Iowa | Do. |
| Lemmon, S. Dak | Do. |
| Montrose, Ill | July 1 |
| New England, N. Dak | Do. |
| Newkirk, Okla | Nov. 1 |
| North Loup, Nebr | July 1 |
| O'Keene, Okla | July 13 |
| O'Neill, Nebr | July 1 |
| Paoli, Ind | Apr. 1 |
| Stillwater, Okla | Do. |
| Superior, Nebr | July 1 |
| Tyler, Minn | Do. |
| Vinita, Okla | Apr. 1 |
| Waseca, Minn | July 1 |
| Woodward, Okla | Apr. 1 |
| CORN AND WHEAT AND RIVER. | |
| Kankakee, Ill | Nov. 1 |
| Tulsa, Okla | Apr. 1 |
| Wahpeton, N. Dak | Aug. 1 |
| CORN AND WHEAT AND RAINFALL. | |
| Brunswick, Mo | May 16 |
| Harrisonville, Mo | Do. |
| Kidder, Mo | Do. |
| Lamar, Mo | Do. |
| Lexington, Mo | Do. |
| Poplar Bluff, Mo | Nov. 1 |
| RIVER. | |
| Alton, Ill | Dec. 1 |
| Athens, Ohio | Feb. 15 |
| Blackwell, Mo | Oct. 1 |
| Centerville, Ala | Dec. 15 |
| Cottonwood Creek, Idaho | Mar. 1 |
| Danville, Ark | June 1 |
| Dover, Ohio | May 1 |
| Dublin, Ohio | Mar. 1 |
| Flint, Mich | May 1 |
| Fox, Ohio | Mar. 1 |
| Glencoe, Mo | Oct. 1 |
| Grand Forks, N. Dak | Sept. 1 |
| Greenville, Tenn | Apr. 1 |
| Hannibal, Mo | Mar. 1 |
| Havana, Ill | Dec. 1 |
| Helena, Ala | Dec. 15 |
| Henry, Ill | Dec. 1 |
| Ivanhoe, Va | Oct. 15 |
| Jelks, Ark | June 1 |
| Kelvin, Ariz | Dec. 15 |
| Larue, Ohio | Mar. 1 |
| La Salle, Ill | Feb. 12 |
| Leeds, Ala | Dec. 15 |
| Madison, Ark | July 1 |
| Marcus, Wash | Apr. 1 |
| Marinette, Ariz | Dec. 15 |
| Marion, Ala | Do. |
| Marked Tree, Ark | Aug. 1 |
| Monroeville, Cal | Dec. 1 |
| New Baltimore, Ohio | Mar. 1 |
| Ninock, La | July 1 |
| Pacific, Mo | Oct. 1 |
| Paint Creek, Ohio | Mar. 1 |
| Parkers Landing, Pa | Apr. 1 |
| Pearl, Ill | Dec. 1 |
| Reeds, Minn | July 1 |
| Rhinelander, Wis | Mar. 16 |
| St. Charles, Mo | Dec. 1 |
| Sedgwick, Kans | Nov. 1 |
| Sprott, Ala | Dec. 15 |
| Steelville, Mo | Oct. 1 |
| Tamaha, Okla | July 1 |
| Topeka, Kans | Oct. 2 |
| Tuscumbia, Mo | Dec. 1 |
| Union, Mo | Oct. 1 |
| Valley Park, Mo | Do. |
| Wickenburg, Ariz | Dec. 15 |
| Williamsport, Ohio | Mar. 1 |
| RAINFALL. | |
| Bluefields, W. Va | Oct. 1 |
| Cassville, Mo | Nov. 1 |
| Doniphan, Mo | Do. |
| Dutton, Ark | May 1 |
| Fayetteville, Ark | Do. |
| Fruit City, Mo | Nov. 1 |

TABLE II.—*Changes in Weather Bureau stations during 1916*—Continued.

ESTABLISHED—Continued.

| Stations. | Date established. |
|---|---|
| RAINFALL—continued. | |
| Gambier, Ohio | Mar. 1 |
| Greencastle, Ind | Feb. 1 |
| Hillsboro, Ohio | Jan. 1 |
| Hollister, Mo | Nov. 1 |
| Hot Springs, Ariz | Dec. 15 |
| International Falls, Minn | Do. |
| Jonesboro, Ark | May 1 |
| Kayford, W. Va | Oct. 1 |
| Loudonville, Ohio | Nov. 16 |
| McKinney, Tex | Feb. 15 |
| Madison, W. Va | Oct. 1 |
| Mansfield, Ohio | Nov. 16 |
| Mayer, Ariz | Dec. 15 |
| Medora, Kans | Nov. 1 |
| Milford, Ohio | Mar. 1 |
| Millersburg, Ohio | Nov. 16 |
| Newton, Kans | Nov. 1 |
| Oxford, Ohio | July 1 |
| Ozark, Ark | May 1 |
| Pokegama Falls, Minn | Dec. 15 |
| Rainelle, W. Va | Oct. 1 |
| Raleigh, W. Va | Do. |
| Sissonville, W. Va | Do. |
| Virginia, Minn | Dec. 15 |
| Warroad, Minn | Do. |
| Washington C. H., Ohio | Jan. 1 |
| West Manchester, Ohio | July 1 |
| Woodstock, Ohio | Do. |
| FRUIT. | |
| Blalock Orchard, Wash | Mar. 15 |
| Catawba Island, Ohio | Jan. 1 |
| Danbury, Ohio | Do. |
| Geneva, Ohio | Do. |
| Kelleys Island, Ohio | Do. |
| Milton, Oreg | Mar. 15 |
| North Bass Island, Ohio | Do. |
| Oak Harbor, Ohio | Do. |
| Pleasant View, Utah | Apr. 1 |
| FRUIT—continued. | |
| Provo Bench, Utah | Apr. 1 |
| Put-in-Bay, Ohio | Mar. 15 |
| FRUIT AND RAINFALL. | |
| Green Hill, Ohio | May 1 |
| CATTLE. | |
| Dalhart, Tex | Apr. 16 |
| ALFALFA. | |
| Salina, Utah | Aug. 20 |
| SNOWFALL. | |
| Bishop Creek, Cal | Apr. 1 |
| Camp Seven, Cal | Nov. 1 |
| Carr's Ranch, Ariz | Jan. 1 |
| Glenville, Cal | Apr. 1 |
| Hume, Cal | Nov. 1 |
| SNOWFALL AND EVAPORATION. | |
| Marlette Lake, Nev | Feb. 1 |
| Tahoe, Cal | Do. |
| CRANBERRY. | |
| Beaver Brook, Wis | July 1 |
| VESSEL. | |
| Caracas (American) | Nov. 1 |
| Maracaibo (American) | Nov. 6 |
| Neches (American) | Do. |
| Panuco (American) | June 1 |
| Philadelphia (American) | Oct. 16 |
| Sao Paulo (Brazil) | Oct. 31 |
| Tegucigalpa (Honduran) | Aug. 2 |
| Zalia (American) | Nov. 21 |

TABLE III.—*Changes in Weather Bureau stations in 1916.*

DISCONTINUED.

| Stations. | Date discontinued. |
|---|---|
| REGULAR. | |
| Port Crescent, Wash | Feb. 29 |
| COTTON. | |
| Brookhaven, Miss | Dec. 31 |
| Hazlehurst, Miss | Do. |
| Koskiusko, Miss | Do. |
| Lake, Miss | Do. |
| Minden, La | Apr. 30 |
| Stillwater, Okla | Mar. 31 |
| Waynesboro, Miss | Dec. 31 |
| COTTON AND RIVER. | |
| Tulsa, Okla | Mar. 31 |
| CORN AND WHEAT. | |
| Blackwell, Okla | Oct. 31 |
| Bowman, N. Dak | June 30 |
| Brunswick, Mo | May 15 |
| Halstad, Minn | July 27 |
| Harrisonville, Mo | May 15 |
| Kidder, Mo | Do. |
| Lamar, Mo | Do. |
| Lexington, Mo | Do. |
| Martinton, Ill | Oct. 15 |
| Poplar Bluff, Mo | Oct. 31 |
| Sibley, Iowa | Mar. 31 |
| Vincennes, Ind | Dec. 31 |

TABLE III.—*Changes in Weather Bureau stations in 1916*—Continued.

DISCONTINUED—Continued.

| Stations. | Date discontinued. |
|---|---|
| CORN AND WHEAT AND RIVER. | |
| Flint, Mich | Apr. 30 |
| La Salle, Ill | Feb. 11 |
| CORN AND WHEAT AND RAINFALL. | |
| Wahpeton, N. Dak | July 31 |
| RIVER. | |
| Bagnell, Mo | Nov. 30 |
| Bigelow, Ark | Dec. 31 |
| Birds Bridge, Tenn | Apr. 1 |
| Canal Dover, Ohio | May 1 |
| Catlettsburg, Ky | Dec. 31 |
| Conway, S. C | Mar. 31 |
| Dublin, Ga | Apr. 15 |
| Jacinto, Cal | Nov. 30 |
| La Salle, Ill | Dec. 31 |
| Lock No. 4, Pa | Aug. 31 |
| Madison, Ark | Aug. 1 |
| Northport, Wash | Mar. 31 |
| Parker, Pa | Apr. 1 |
| Reeds Landing, Minn | July 1 |
| Smiths Mills, S. C | June 30 |
| Tempe, Ariz | Dec. 31 |
| RAINFALL. | |
| Abercrombie, N. Dak | June 30 |
| Bladensburg, Ohio | Feb. 29 |
| Grand Forks, N. Dak | June 30 |
| Green Hill, Ohio | Apr. 30 |
| Kankakee, Ill | Oct. 31 |
| Rhinelander, Wis | Mar. 15 |
| Sanger, Cal | July 31 |
| Steelville, Mo | Sept. 30 |
| FRUIT. | |
| Altapass, N. C | Dec. 31 |
| Asheville, N. C | Do. |
| Blantyre, N. C | Do. |
| Blowing Rock, N. C | Do. |
| Bryson City, N. C | Do. |
| Caldwell, Idaho | Mar. 31 |
| Cane River, N. C | Dec. 31 |
| Ellijay, N. C | Do. |
| Globe, N. C | Do. |
| FRUIT—continued. | |
| Gorge, N. C | Do. |
| Green Hill, Ohio | Apr. 30 |
| Hendersonville, N. C | Dec. 31 |
| Highlands, N. C | Do. |
| Meridian, Idaho | Mar. 31 |
| Mount Airy, N. C | Dec. 31 |
| North Wilkesboro, N. C | Do. |
| Payette, Idaho | Mar. 31 |
| Transon, N. C | Dec. 31 |
| Tryon, N. C | Do. |
| CATTLE. | |
| Junction, Tex | Apr. 15 |
| BROOM CORN. | |
| Alva, Okla | Mar. 31 |
| Beaver, Okla | Do. |
| Woodward, Okla | Do. |
| SNOWFALL. | |
| Bishop Creek Gold Co. Camp, Cal | Apr. 1 |
| Cassells, Colo | Dec. 31 |
| Fallen Leaf, Cal | Aug. 31 |
| Glenbrook, Nev | Do. |
| Hobart Mills, Cal | Do. |
| Holcomb Valley, Cal | Sept. 30 |
| Ironside, Oreg | Feb. 29 |
| Likelys Mill, Cal | Apr. 1 |
| Rager Creek, Oreg | May 31 |
| Red Cliff, Colo | Dec. 31 |
| Santa Fe Canyon, N. Mex | Do. |
| Summit, Cal | July 31 |
| Susanville, Oreg | Oct. 31 |
| Tahoe, Cal | Jan. 31 |
| Tallac, Cal | Aug. 31 |
| Tamerac, Oreg | Do. |
| Three Rivers, Cal | Apr. 30 |
| Yosemite, Cal | June 1 |
| VESSEL. | |
| Alamo (Am.) | May 31 |
| Neches (Am.) | Do. |
| Panuco (Am.) | Sept. 30 |
| Tegucigalpa (Hon.) | Apr. 30 |

# SUNSHINE, 1916.

The following tables give for 153 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 for 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, 1916.*

| 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. |
| Albany, N. Y. | 100 | 34 | 108 | 35 | 222 | 60 | 179 | 45 | 236 | 52 | 196 | 43 |
| Amarillo, Tex. | 220 | 70 | 294 | 92 | 333 | 90 | 281 | 72 | 400 | 92 | 394 | 91 |
| Anniston, Ala. | 127 | 40 | 187 | 59 | 237 | 64 | 299 | 76 | 350 | 81 | 325 | 75 |
| Asheville, N. C. | 108 | 35 | 168 | 53 | 225 | 61 | 199 | 50 | 265 | 61 | 205 | 47 |
| Atlanta, Ga. | 123 | 39 | 207 | 65 | 269 | 72 | 315 | 80 | 357 | 83 | 304 | 70 |
| Atlantic City, N. J. | 133 | 44 | 140 | 45 | 199 | 54 | 212 | 53 | 285 | 64 | 250 | 56 |
| Augusta, Ga. | 163 | 51 | 215 | 67 | 308 | 83 | 318 | 81 | 349 | 81 | 290 | 68 |
| Baker City, Oreg. | 77 | 27 | 129 | 42 | 136 | 37 | 256 | 63 | 243 | 53 | 293 | 63 |
| Baltimore, Md. | 134 | 44 | 148 | 47 | 182 | 49 | 206 | 52 | 263 | 59 | 248 | 56 |
| Bentonville, Ark. | 89 | 29 | 184 | 58 | 223 | 60 | 180 | 46 | 255 | 58 | 238 | 54 |
| Binghamton, N. Y. | 80 | 27 | 98 | 32 | 122 | 33 | 125 | 31 | 206 | 46 | 184 | 40 |
| Birmingham, Ala. | 126 | 40 | 174 | 54 | 243 | 65 | 285 | 73 | 338 | 78 | 306 | 71 |
| Bismarck, N. Dak. | 164 | 59 | 223 | 75 | 205 | 55 | 252 | 62 | 299 | 64 | 254 | 54 |
| Block Island, R. I. | 122 | 41 | 119 | 38 | 200 | 54 | 179 | 45 | 205 | 46 | 229 | 51 |
| Boise, Idaho | 72 | 25 | 153 | 50 | 209 | 57 | 316 | 78 | 335 | 73 | 396 | 86 |
| Boston, Mass. | 149 | 50 | 144 | 47 | 228 | 61 | 206 | 51 | 274 | 61 | 278 | 61 |
| Buffalo, N. Y. | 74 | 25 | 103 | 34 | 193 | 52 | 192 | 48 | 256 | 56 | 234 | 51 |
| Burlington, Vt. | 95 | 33 | 147 | 48 | 238 | 64 | 172 | 42 | 224 | 49 | 197 | 43 |
| Canton, N. Y. | 77 | 27 | 138 | 46 | 228 | 62 | 159 | 39 | 209 | 45 | 175 | 38 |
| Charles City, Iowa | 107 | 36 | 148 | 48 | 153 | 41 | 175 | 43 | 256 | 56 | 244 | 53 |
| Charleston, S. C. | 216 | 68 | 253 | 79 | 299 | 80 | 317 | 81 | 340 | 79 | 282 | 66 |
| Chattanooga, Tenn. | 109 | 35 | 168 | 53 | 201 | 54 | 237 | 60 | 325 | 75 | 274 | 63 |
| Cheyenne, Wyo. | 136 | 46 | 199 | 64 | 226 | 61 | 178 | 44 | 282 | 63 | 316 | 70 |
| Chicago, Ill. | 122 | 41 | 160 | 52 | 182 | 49 | 202 | 50 | 263 | 58 | 305 | 67 |
| Cincinnati, Ohio | 157 | 52 | 166 | 53 | 230 | 62 | 214 | 54 | 273 | 61 | 292 | 66 |
| Cleveland, Ohio | 99 | 34 | 80 | 26 | 160 | 43 | 189 | 47 | 211 | 47 | 282 | 62 |
| Columbia, Mo. | 102 | 34 | 154 | 49 | 197 | 53 | 168 | 42 | 246 | 55 | 285 | 64 |
| Columbus, Ohio | 110 | 36 | 92 | 30 | 193 | 52 | 177 | 44 | 276 | 62 | 303 | 68 |
| Concordia, Kans. | 143 | 47 | 207 | 67 | 243 | 66 | 194 | 49 | 300 | 67 | 323 | 72 |
| Dallas, Tex. | 80 | 25 | 192 | 60 | 276 | 74 | 238 | 61 | 293 | 68 | 346 | 81 |
| Dayton, Ohio | 158 | 53 | 165 | 53 | 235 | 63 | 238 | 60 | 290 | 65 | 349 | 78 |
| Denver, Colo. | 110 | 36 | 195 | 63 | 201 | 54 | 162 | 41 | 293 | 66 | 355 | 79 |
| Des Moines, Iowa | 135 | 46 | 196 | 64 | 232 | 63 | 221 | 55 | 302 | 67 | 335 | 74 |
| Detroit, Mich. | 109 | 37 | 118 | 38 | 184 | 50 | 166 | 41 | 179 | 40 | 276 | 61 |
| Devils Lake, N. Dak. | 119 | 43 | 194 | 65 | 166 | 45 | 185 | 45 | 202 | 43 | 301 | 63 |
| Dodge, Kans. | 146 | 48 | 205 | 65 | 237 | 64 | 199 | 50 | 278 | 63 | 285 | 64 |
| Drexel, Nebr. | 158 | 53 | 242 | 78 | 226 | 61 | 231 | 58 | 320 | 71 | 330 | 73 |
| Dubuque, Iowa | 144 | 49 | 204 | 66 | 218 | 59 | 226 | 56 | 247 | 55 | 320 | 70 |
| Eastport, Me. | 126 | 44 | 118 | 39 | 195 | 53 | 195 | 48 | 222 | 48 | 233 | 50 |
| Elkins, W. Va. | 114 | 38 | 105 | 34 | 161 | 43 | 138 | 35 | 243 | 55 | 222 | 50 |
| El Paso, Tex. | 236 | 74 | 279 | 87 | 332 | 89 | 351 | 90 | 413 | 96 | 417 | 98 |
| Erie, Pa. | 53 | 18 | 94 | 30 | 166 | 45 | 166 | 41 | 221 | 49 | 236 | 52 |
| Escanaba, Mich. | 125 | 44 | 160 | 53 | 206 | 56 | 184 | 45 | 250 | 54 | 222 | 47 |
| Eureka, Cal. | 118 | 40 | 112 | 36 | 175 | 47 | 280 | 70 | 274 | 61 | 250 | 55 |
| Evansville, Ind. | 141 | 46 | 194 | 62 | 235 | 63 | 247 | 62 | 301 | 68 | 297 | 67 |
| Fort Smith, Ark. | 78 | 25 | 182 | 57 | 240 | 64 | 203 | 52 | 308 | 71 | 246 | 57 |
| Fort Wayne, Ind. | 113 | 38 | 105 | 34 | 170 | 46 | 198 | 50 | 222 | 49 | 260 | 57 |
| Fresno, Cal. | 97 | 31 | 173 | 55 | 277 | 75 | 373 | 94 | 402 | 92 | 434 | 99 |
| Galveston, Tex. | 132 | 40 | 214 | 66 | 287 | 77 | 261 | 68 | 303 | 72 | 348 | 83 |
| Grand Haven, Mich. | 51 | 18 | 88 | 29 | 167 | 45 | 208 | 52 | 268 | 59 | 286 | 62 |
| Grand Junction, Colo. | 130 | 43 | 228 | 73 | 301 | 81 | 283 | 71 | 359 | 81 | 418 | 94 |
| Grand Rapids, Mich. | 28 | 10 | 55 | 18 | 149 | 40 | 178 | 44 | 247 | 54 | 263 | 57 |
| Green Bay, Wis. | 138 | 48 | 154 | 51 | 192 | 52 | 186 | 46 | 239 | 52 | 241 | 52 |
| Harrisburg, Pa. | 130 | 43 | 116 | 37 | 189 | 51 | 165 | 41 | 226 | 51 | 256 | 57 |
| Hartford, Conn. | 137 | 46 | 125 | 41 | 215 | 58 | 166 | 41 | 228 | 50 | 212 | 46 |

*Sunshine, 1916*—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. |
| Albany, N. Y | 242 | 52 | 297 | 69 | 239 | 64 | 184 | 53 | 143 | 49 | 105 | 37 | 2,250 | 49 |
| Amarillo, Tex | 394 | 89 | 352 | 84 | 319 | 86 | 257 | 73 | 255 | 82 | 271 | 89 | 3,768 | 84 |
| Anniston, Ala | 269 | 61 | 328 | 79 | 316 | 85 | 270 | 77 | 242 | 78 | 154 | 50 | 3,105 | 69 |
| Asheville, N. C | 137 | 31 | 162 | 39 | 230 | 62 | 223 | 64 | 215 | 70 | 163 | 54 | 2,299 | 52 |
| Atlanta, Ga | 200 | 45 | 298 | 72 | 300 | 81 | 236 | 67 | 221 | 71 | 170 | 55 | 2,999 | 67 |
| Atlantic City, N. J | 282 | 62 | 333 | 79 | 298 | 80 | 234 | 68 | 195 | 65 | 174 | 59 | 2,734 | 61 |
| Augusta, Ga | 158 | 36 | 260 | 63 | 270 | 73 | 215 | 61 | 223 | 71 | 184 | 59 | 2,954 | 66 |
| Baker City, Oreg | 391 | 83 | 361 | 83 | 284 | 76 | 232 | 68 | 144 | 50 | 118 | 43 | 2,665 | 57 |
| Baltimore, Md | 254 | 56 | 290 | 68 | 264 | 71 | 232 | 67 | 182 | 60 | 162 | 55 | 2,564 | 57 |
| Bentonville, Ark | 372 | 84 | 289 | 69 | 259 | 70 | 224 | 64 | 225 | 73 | 172 | 57 | 2,707 | 60 |
| Binghamton, N. Y | 215 | 47 | 289 | 67 | 241 | 64 | 158 | 46 | 93 | 32 | 76 | 27 | 1,888 | 41 |
| Birmingham, Ala | 219 | 50 | 318 | 77 | 311 | 84 | 274 | 78 | 252 | 81 | 163 | 53 | 3,009 | 67 |
| Bismarck, N. Dak | 364 | 76 | 289 | 66 | 248 | 66 | 200 | 59 | 166 | 59 | 153 | 58 | 2,818 | 63 |
| Block Island, R. I | 170 | 37 | 249 | 58 | 253 | 68 | 199 | 58 | 178 | 60 | 147 | 51 | 2,249 | 51 |
| Boise, Idaho | 438 | 94 | 415 | 96 | 357 | 95 | 290 | 85 | 217 | 75 | 148 | 53 | 3,346 | 72 |
| Boston, Mass | 260 | 56 | 306 | 71 | 275 | 73 | 232 | 68 | 160 | 54 | 167 | 59 | 2,678 | 59 |
| Buffalo, N. Y | 303 | 65 | 297 | 69 | 206 | 55 | 162 | 47 | 99 | 34 | 55 | 20 | 2,174 | 46 |
| Burlington, Vt | 276 | 59 | 282 | 65 | 196 | 52 | 191 | 56 | 102 | 35 | 96 | 35 | 2,214 | 48 |
| Canton, N. Y | 321 | 68 | 288 | 66 | 165 | 44 | 146 | 43 | 105 | 37 | 66 | 24 | 2,077 | 45 |
| Charles City, Iowa | 329 | 71 | 304 | 71 | 174 | 46 | 174 | 51 | 123 | 42 | 136 | 49 | 2,322 | 51 |
| Charleston, S. C | 244 | 56 | 312 | 75 | 304 | 82 | 237 | 67 | 250 | 80 | 209 | 67 | 3,263 | 73 |
| Chattanooga, Tenn | 229 | 52 | 238 | 57 | 275 | 74 | 229 | 65 | 210 | 68 | 155 | 51 | 2,648 | 59 |
| Cheyenne, Wyo | 281 | 61 | 264 | 62 | 272 | 73 | 207 | 60 | 206 | 69 | 192 | 67 | 2,760 | 62 |
| Chicago, Ill | 437 | 95 | 367 | 86 | 248 | 66 | 226 | 66 | 155 | 53 | 157 | 55 | 2,824 | 62 |
| Cincinnati, Ohio | 330 | 73 | 303 | 71 | 276 | 74 | 245 | 71 | 226 | 75 | 154 | 53 | 2,866 | 64 |
| Cleveland, Ohio | 349 | 76 | 316 | 74 | 214 | 57 | 220 | 64 | 152 | 52 | 94 | 33 | 2,367 | 51 |
| Columbia, Mo | 401 | 89 | 346 | 82 | 289 | 77 | 217 | 63 | 206 | 68 | 145 | 49 | 2,755 | 60 |
| Columbus, Ohio | 370 | 81 | 299 | 70 | 259 | 69 | 231 | 67 | 198 | 66 | 155 | 53 | 2,664 | 58 |
| Concordia, Kans | 410 | 90 | 331 | 78 | 303 | 81 | 226 | 65 | 214 | 71 | 181 | 62 | 3,076 | 68 |
| Dallas, Tex | 357 | 82 | 326 | 79 | 315 | 85 | 266 | 76 | 240 | 76 | 205 | 66 | 3,132 | 69 |
| Dayton, Ohio | 388 | 85 | 334 | 79 | 300 | 80 | 239 | 69 | 207 | 69 | 174 | 60 | 3,077 | 68 |
| Denver, Colo | 311 | 68 | 297 | 70 | 287 | 77 | 234 | 68 | 251 | 84 | 205 | 70 | 2,900 | 65 |
| Des Moines, Iowa | 420 | 91 | 336 | 78 | 264 | 71 | 208 | 61 | 179 | 61 | 167 | 59 | 2,995 | 66 |
| Detroit, Mich | 383 | 83 | 326 | 76 | 213 | 57 | 193 | 56 | 136 | 46 | 91 | 32 | 2,373 | 51 |
| Devils Lake, N. Dak | 361 | 75 | 271 | 61 | 232 | 62 | 131 | 39 | 188 | 68 | 134 | 51 | 2,484 | 55 |
| Dodge, Kans | 384 | 85 | 309 | 73 | 258 | 69 | 253 | 73 | 231 | 76 | 198 | 67 | 2,984 | 66 |
| Drexel, Nebr | 421 | 92 | 296 | 69 | 284 | 76 | 230 | 67 | 201 | 68 | 180 | 63 | 3,118 | 69 |
| Dubuque, Iowa | 403 | 87 | 324 | 76 | 244 | 65 | 200 | 58 | 147 | 50 | 174 | 61 | 2,853 | 63 |
| Eastport, Me | 256 | 54 | 295 | 68 | 228 | 61 | 211 | 62 | 150 | 52 | 103 | 37 | 2,331 | 51 |
| Elkins, W. Va | 240 | 53 | 232 | 55 | 241 | 65 | 211 | 61 | 159 | 53 | 154 | 53 | 2,221 | 50 |
| El Paso, Tex | 385 | 89 | 334 | 81 | 330 | 89 | 308 | 87 | 294 | 93 | 249 | 79 | 3,927 | 88 |
| Erie, Pa | 278 | 60 | 262 | 61 | 180 | 48 | 167 | 49 | 95 | 32 | 28 | 10 | 1,945 | 41 |
| Escanaba, Mich | 384 | 81 | 300 | 69 | 151 | 40 | 139 | 41 | 109 | 38 | 150 | 55 | 2,380 | 52 |
| Eureka, Cal | 274 | 60 | 195 | 46 | 204 | 54 | 133 | 39 | 187 | 63 | 131 | 45 | 2,332 | 51 |
| Evansville, Ind | 374 | 83 | 300 | 71 | 304 | 81 | 258 | 74 | 228 | 75 | 179 | 61 | 3,058 | 68 |
| Fort Smith, Ark | 349 | 79 | 304 | 73 | 289 | 78 | 225 | 64 | 216 | 70 | 162 | 53 | 2,802 | 62 |
| Fort Wayne, Ind | 363 | 79 | 300 | 70 | 217 | 58 | 201 | 58 | 137 | 46 | 85 | 29 | 2,370 | 51 |
| Fresno, Cal | 445 | 99 | 403 | 96 | 350 | 94 | 264 | 76 | 242 | 79 | 191 | 64 | 3,649 | 80 |
| Galveston, Tex | 276 | 65 | 276 | 68 | 302 | 82 | 330 | 93 | 245 | 76 | 171 | 53 | 3,145 | 70 |
| Grand Haven, Mich | 403 | 87 | 290 | 67 | 184 | 49 | 194 | 57 | 108 | 37 | 75 | 27 | 2,323 | 49 |
| Grand Junction, Colo | 333 | 73 | 319 | 75 | 318 | 85 | 247 | 71 | 254 | 84 | 182 | 62 | 3,370 | 74 |
| Grand Rapids, Mich | 424 | 91 | 318 | 74 | 200 | 53 | 168 | 49 | 106 | 36 | 66 | 23 | 2,201 | 46 |
| Green Bay, Wis | 421 | 89 | 337 | 77 | 205 | 55 | 166 | 49 | 120 | 42 | 152 | 56 | 2,550 | 56 |
| Harrisburg, Pa | 276 | 61 | 290 | 68 | 268 | 72 | 226 | 65 | 168 | 56 | 179 | 62 | 2,490 | 55 |
| Hartford, Conn | 181 | 39 | 262 | 61 | 261 | 70 | 219 | 64 | 165 | 56 | 141 | 50 | 2,312 | 52 |

*Sunshine, 1916*—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. | Per centa of po sible |
| Havre, Mont | 119 | 44 | 157 | 53 | 191 | 52 | 267 | 65 | 199 | 42 | 224 | [illegible] |
| Helena, Mont | 164 | 59 | 217 | 72 | 206 | 56 | 288 | 70 | 307 | 66 | 334 | [illegible] |
| Honolulu, T. H | 84 | 25 | 155 | 47 | 212 | 57 | 255 | 67 | 249 | 61 | 215 | [illegible] |
| Houston, Tex | 110 | 34 | 219 | 68 | 294 | 79 | 258 | 67 | 297 | 70 | 344 | [illegible] |
| Huron, S. Dak | 201 | 70 | 214 | 70 | 231 | 63 | 213 | 53 | 299 | 65 | 314 | [illegible] |
| Indianapolis, Ind | 121 | 40 | 132 | 42 | 199 | 54 | 201 | 50 | 268 | 60 | 262 | [illegible] |
| Jacksonville, Fla | 179 | 55 | 228 | 70 | 300 | 81 | 313 | 81 | 306 | 72 | 208 | [illegible] |
| Kalispell, Mont | 104 | 38 | 88 | 29 | 142 | 39 | 206 | 50 | 222 | 47 | 235 | [illegible] |
| Kansas City, Mo | 127 | 42 | 206 | 66 | 244 | 66 | 214 | 54 | 309 | 70 | 334 | 7 |
| Key West, Fla | 253 | 76 | 237 | 72 | 328 | 88 | 302 | 79 | 301 | 73 | 317 | 7 |
| Knoxville, Tenn | 139 | 45 | 174 | 55 | 218 | 59 | 225 | 57 | 296 | 68 | 278 | [illegible] |
| La Crosse, Wis | 132 | 46 | 174 | 57 | 206 | 56 | 196 | 49 | 256 | 56 | 253 | [illegible] |
| Lander, Wyo | 182 | 62 | 242 | 79 | 258 | 70 | 280 | 70 | 322 | 71 | 410 | 8 |
| Lansing, Mich | 96 | 33 | 139 | 45 | 200 | 54 | 213 | 53 | 290 | 64 | 305 | [illegible] |
| Lexington, Ky | 96 | 31 | 98 | 31 | 161 | 43 | 181 | 46 | 257 | 58 | 225 | 5 |
| Little Rock, Ark | 97 | 31 | 187 | 59 | 237 | 64 | 257 | 65 | 343 | 79 | 279 | 6 |
| Los Angeles, Cal | 129 | 41 | 229 | 72 | 274 | 74 | 316 | 81 | 346 | 80 | 330 | 7 |
| Louisville, Ky | 116 | 38 | 154 | 49 | 172 | 46 | 208 | 52 | 281 | 64 | 250 | 5 |
| Ludington, Mich | 45 | 16 | 66 | 22 | 181 | 49 | 233 | 58 | 303 | 66 | 308 | 6 |
| Lynchburg, Va | 118 | 38 | 144 | 46 | 205 | 55 | 248 | 63 | 328 | 75 | 314 | 7 |
| Macon, Ga | 128 | 40 | 203 | 64 | 280 | 75 | 272 | 70 | 335 | 78 | 286 | 6 |
| Madison, Wis | 126 | 43 | 177 | 58 | 202 | 54 | 233 | 58 | 268 | 59 | 287 | 6 |
| Marquette, Mich | 69 | 25 | 122 | 41 | 186 | 50 | 169 | 41 | 192 | 41 | 159 | 3 |
| Memphis, Tenn | 106 | 34 | 187 | 59 | 251 | 68 | 278 | 71 | 351 | 81 | 316 | 7 |
| Meridian, Miss | 106 | 33 | 169 | 53 | 240 | 65 | 229 | 59 | 299 | 70 | 237 | 5 |
| Miami, Fla | 241 | 73 | 242 | 74 | 330 | 89 | 289 | 75 | 260 | 62 | 266 | 6 |
| Milwaukee, Wis | 115 | 39 | 134 | 44 | 173 | 47 | 204 | 51 | 249 | 55 | 252 | 5 |
| Minneapolis, Minn | 110 | 39 | 142 | 47 | 158 | 43 | 144 | 35 | 198 | 43 | 250 | 5 |
| Mobile, Ala | 96 | 30 | 164 | 51 | 288 | 77 | 287 | 74 | 304 | 72 | 250 | 5 |
| Modena, Utah | 166 | 54 | 247 | 79 | 300 | 81 | 290 | 73 | 375 | 85 | 418 | 9 |
| Mount Tamalpais, Cal | 52 | 17 | 146 | 47 | 263 | 71 | 377 | 95 | 391 | 89 | 400 | 9 |
| New Haven, Conn | 150 | 50 | 139 | 45 | 227 | 61 | 168 | 42 | 206 | 46 | 198 | 4 |
| New Orleans, La | 123 | 38 | 215 | 66 | 283 | 76 | 261 | 67 | 317 | 75 | 311 | 7 |
| New York, N. Y | 168 | 56 | 156 | 51 | 232 | 62 | 211 | 53 | 265 | 59 | 224 | 4 |
| Norfolk, Va | 159 | 51 | 186 | 59 | 236 | 64 | 271 | 69 | 320 | 73 | 304 | 6 |
| Northfield, Vt | 96 | 33 | 106 | 35 | 237 | 64 | 134 | 33 | 179 | 39 | 157 | 34 |
| North Head, Wash | 92 | 32 | 124 | 41 | 110 | 30 | 196 | 48 | 239 | 52 | 260 | 55 |
| North Platte, Nebr | 160 | 54 | 222 | 72 | 228 | 62 | 237 | 59 | 312 | 69 | 301 | 67 |
| Oklahoma, Okla | 112 | 36 | 202 | 64 | 255 | 69 | 223 | 57 | 331 | 76 | 305 | 70 |
| Omaha, Nebr | 146 | 49 | 196 | 63 | 241 | 65 | 191 | 48 | 280 | 62 | 308 | 68 |
| Parkersburg, W. Va | 88 | 29 | 94 | 30 | 162 | 44 | 149 | 38 | 246 | 55 | 229 | 51 |
| Peoria, Ill | 118 | 40 | 177 | 57 | 207 | 56 | 247 | 62 | 306 | 68 | 334 | 74 |
| Philadelphia, Pa | 115 | 38 | 137 | 44 | 190 | 51 | 198 | 50 | 268 | 60 | 239 | 53 |
| Phoenix, Ariz | 173 | 55 | 248 | 77 | 298 | 80 | 346 | 89 | 404 | 94 | 426 | 100 |
| Pittsburgh, Pa | 118 | 40 | 93 | 30 | 144 | 39 | 136 | 34 | 241 | 54 | 240 | 53 |
| Pocatello, Idaho | 93 | 32 | 167 | 55 | 228 | 62 | 278 | 69 | 281 | 62 | 393 | 86 |
| Port Angeles, Wash | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 287 | 60 |
| Port Huron, Mich | 103 | 35 | 165 | 54 | 210 | 57 | 202 | 50 | 270 | 59 | 314 | 68 |
| Portland, Me | 141 | 49 | 142 | 47 | 227 | 61 | 182 | 45 | 252 | 55 | 232 | 50 |
| Portland, Oreg | 32 | 11 | 113 | 37 | 88 | 24 | 204 | 50 | 175 | 38 | 228 | 48 |
| Providence, R. I | 145 | 49 | 132 | 43 | 232 | 63 | 193 | 48 | 256 | 57 | 243 | 53 |
| Pueblo, Colo | 205 | 67 | 275 | 88 | 298 | 80 | 250 | 63 | 348 | 79 | 364 | 82 |
| Raleigh, N. C | 139 | 45 | 189 | 60 | 215 | 58 | 244 | 62 | 322 | 74 | 311 | 71 |
| Rapid City, S. Dak | 202 | 70 | 231 | 76 | 260 | 70 | 239 | 59 | 288 | 63 | 301 | 65 |
| Reading, Pa | 112 | 37 | 108 | 35 | 171 | 46 | 175 | 44 | 228 | 51 | 214 | 48 |

*Sunshine, 1916*—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. |
| Havre, Mont | 344 | 71 | 362 | 81 | 242 | 64 | 151 | 45 | 157 | 57 | 124 | 48 | 4,484 | 56 |
| Helena, Mont | 395 | 82 | 372 | 85 | 253 | 67 | 195 | 58 | 179 | 64 | 140 | 53 | 3,048 | 67 |
| Honolulu, T. H | 255 | 62 | 235 | 59 | 206 | 56 | 194 | 54 | 143 | 43 | 126 | 37 | 2,328 | 52 |
| Houston, Tex | 248 | 58 | 244 | 60 | 266 | 72 | 292 | 82 | 231 | 72 | 196 | 62 | 2,999 | 67 |
| Huron, S. Dak | 371 | 79 | 304 | 70 | 268 | 71 | 215 | 63 | 189 | 65 | 154 | 55 | 2,974 | 66 |
| Indianapolis, Ind | 380 | 84 | 315 | 74 | 287 | 77 | 230 | 67 | 215 | 72 | 132 | 45 | 2,740 | 60 |
| Jacksonville, Fla | 215 | 50 | 284 | 69 | 226 | 61 | 148 | 42 | 204 | 64 | 167 | 53 | 2,777 | 62 |
| Kalispell, Mont | 328 | 68 | 331 | 75 | 251 | 66 | 191 | 57 | 114 | 41 | 73 | 28 | 2,286 | 49 |
| Kansas City, Mo | 412 | 91 | 332 | 78 | 295 | 79 | 227 | 66 | 209 | 69 | 180 | 61 | 3,090 | 68 |
| Key West, Fla | 287 | 68 | 282 | 70 | 262 | 71 | 240 | 67 | 231 | 70 | 277 | 84 | 3,315 | 75 |
| Knoxville, Tenn | 237 | 53 | 239 | 57 | 287 | 77 | 236 | 68 | 230 | 75 | 162 | 53 | 2,722 | 61 |
| La Crosse, Wis | 383 | 82 | 307 | 71 | 201 | 54 | 197 | 58 | 148 | 51 | 157 | 56 | 2,610 | 58 |
| Lander, Wyo | 378 | 81 | 347 | 81 | 315 | 84 | 190 | 56 | 190 | 65 | 160 | 57 | 3,275 | 72 |
| Lansing, Mich | 424 | 91 | 340 | 79 | 222 | 59 | 225 | 66 | 125 | 43 | 111 | 39 | 2,689 | 58 |
| Lexington, Ky | 299 | 67 | 294 | 70 | 292 | 78 | 242 | 70 | 196 | 65 | 124 | 42 | 2,465 | 54 |
| Little Rock, Ark | 342 | 77 | 311 | 75 | 275 | 76 | 269 | 77 | 229 | 74 | 139 | 46 | 2,964 | 65 |
| Los Angeles, Cal | 318 | 72 | 322 | 78 | 255 | 69 | 201 | 57 | 271 | 87 | 185 | 60 | 3,175 | 71 |
| Louisville, Ky | 327 | 73 | 291 | 69 | 291 | 78 | 250 | 72 | 231 | 76 | 129 | 44 | 2,701 | 60 |
| Ludington, Mich | 417 | 89 | 340 | 78 | 203 | 54 | 184 | 54 | 96 | 33 | 82 | 29 | 2,455 | 51 |
| Lynchburg, Va | 302 | 68 | 296 | 70 | 318 | 85 | 244 | 70 | 194 | 63 | 167 | 56 | 2,879 | 63 |
| Macon, Ga | 161 | 37 | 280 | 68 | 263 | 71 | 212 | 60 | 216 | 69 | 173 | 56 | 2,808 | 63 |
| Madison, Wis | 408 | 88 | 315 | 73 | 212 | 57 | 187 | 55 | 128 | 44 | 132 | 47 | 2,677 | 58 |
| Marquette, Mich | 339 | 71 | 269 | 61 | 144 | 38 | 89 | 26 | 78 | 28 | 135 | 51 | 1,950 | 42 |
| Memphis, Tenn | 323 | 73 | 311 | 75 | 286 | 77 | 267 | 76 | 236 | 76 | 188 | 62 | 3,101 | 69 |
| Meridian, Miss | 192 | 44 | 264 | 64 | 307 | 83 | 273 | 77 | 228 | 72 | 121 | 39 | 2,666 | 60 |
| Miami, Fla | 290 | 69 | 255 | 63 | 234 | 63 | 229 | 64 | 183 | 56 | 241 | 74 | 3,061 | 69 |
| Milwaukee, Wis | 389 | 84 | 297 | 69 | 199 | 53 | 194 | 57 | 130 | 44 | 158 | 56 | 2,492 | 54 |
| Minneapolis, Minn | 326 | 69 | 233 | 54 | 143 | 38 | 146 | 43 | 125 | 43 | 126 | 46 | 2,099 | 46 |
| Mobile, Ala | 238 | 55 | 331 | 81 | 329 | 89 | 312 | 88 | 251 | 79 | 158 | 50 | 3,007 | 67 |
| Modena, Utah | 364 | 81 | 343 | 81 | 326 | 87 | 262 | 75 | 252 | 83 | 198 | 67 | 3,540 | 78 |
| Mount Tamalpais, Cal | 435 | 97 | 400 | 95 | 338 | 91 | 269 | 78 | 242 | 80 | 169 | 57 | 3,481 | 76 |
| New Haven, Conn | 159 | 35 | 266 | 62 | 274 | 73 | 249 | 72 | 186 | 63 | 181 | 63 | 2,402 | 55 |
| New Orleans, La | 281 | 65 | 313 | 76 | 286 | 77 | 286 | 81 | 212 | 66 | 133 | 42 | 3,020 | 67 |
| New York, N. Y | 229 | 50 | 304 | 71 | 299 | 80 | 241 | 70 | 179 | 60 | 160 | 56 | 2,667 | 60 |
| Norfolk, Va | 298 | 67 | 268 | 64 | 245 | 66 | 192 | 55 | 190 | 62 | 179 | 60 | 2,848 | 63 |
| Northfield, Vt | 225 | 48 | 244 | 56 | 157 | 42 | 193 | 57 | 102 | 35 | 90 | 32 | 1,920 | 42 |
| North Head, Wash | 240 | 51 | 247 | 56 | 202 | 54 | 171 | 51 | 128 | 45 | 31 | 12 | 2,040 | 44 |
| North Platte, Nebr | 415 | 91 | 328 | 77 | 312 | 83 | 236 | 69 | 202 | 68 | 164 | 57 | 3,118 | 69 |
| Oklahoma, Okla | 410 | 93 | 355 | 85 | 315 | 85 | 231 | 66 | 230 | 74 | 203 | 66 | 3,172 | 70 |
| Omaha, Nebr | 408 | 89 | 273 | 64 | 258 | 69 | 220 | 64 | 204 | 69 | 180 | 62 | 2,905 | 64 |
| Parkersburg, W. Va | 264 | 58 | 208 | 49 | 234 | 63 | 198 | 57 | 140 | 47 | 125 | 43 | 2,137 | 47 |
| Peoria, Ill | 427 | 93 | 347 | 81 | 294 | 79 | 232 | 67 | 205 | 69 | 191 | 67 | 3,087 | 68 |
| Philadelphia, Pa | 232 | 51 | 314 | 74 | 276 | 74 | 236 | 68 | 161 | 54 | 152 | 52 | 2,518 | 56 |
| Phoenix, Ariz | 339 | 78 | 359 | 87 | 315 | 85 | 296 | 84 | 299 | 95 | 251 | 81 | 3,756 | 84 |
| Pittsburgh, Pa | 266 | 58 | 271 | 63 | 269 | 72 | 213 | 62 | 173 | 58 | 108 | 38 | 2,272 | 50 |
| Pocatello, Idaho | 392 | 84 | 358 | 83 | 321 | 86 | 222 | 65 | 177 | 61 | 85 | 30 | 2,995 | 65 |
| Port Angeles, Wash | 213 | 44 | 336 | 76 | 284 | 75 | 156 | 46 | 106 | 38 | 32 | 12 | ..... | ..... |
| Port Huron, Mich | 392 | 84 | 351 | 81 | 254 | 68 | 202 | 59 | 130 | 45 | 118 | 42 | 2,712 | 58 |
| Portland, Me | 230 | 49 | 292 | 67 | 255 | 68 | 222 | 65 | 167 | 58 | 150 | 54 | 2,492 | 56 |
| Portland, Oreg | 240 | 50 | 291 | 66 | 202 | 54 | 212 | 63 | 99 | 35 | 40 | 15 | 1,923 | 41 |
| Providence, R. I | 213 | 46 | 269 | 63 | 246 | 66 | 246 | 72 | 183 | 62 | 167 | 59 | 2,526 | 57 |
| Pueblo, Colo | 320 | 71 | 289 | 69 | 319 | 86 | 247 | 71 | 249 | 82 | 233 | 79 | 3,396 | 76 |
| Raleigh, N. C | 232 | 52 | 284 | 68 | 278 | 75 | 244 | 70 | 218 | 71 | 191 | 63 | 2,866 | 64 |
| Rapid City, S. Dak | 373 | 80 | 291 | 67 | 315 | 84 | 199 | 58 | 185 | 64 | 152 | 55 | 3,037 | 68 |
| Reading, Pa | 230 | 51 | 302 | 71 | 261 | 70 | 242 | 70 | 151 | 51 | 149 | 51 | 2,343 | 52 |

*Sunshine, 1916*—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. |
| Richmond, Va | 141 | 46 | 153 | 49 | 186 | 50 | 225 | 57 | 298 | 67 | 270 | 61 |
| Rochester, N. Y | 80 | 27 | 98 | 32 | 212 | 57 | 192 | 48 | 238 | 52 | 265 | 58 |
| Roswell, N. Mex | 192 | 60 | 288 | 90 | 326 | 88 | 297 | 76 | 387 | 90 | 395 | 92 |
| Sacramento, Cal | 110 | 36 | 160 | 51 | 295 | 79 | 366 | 92 | 392 | 88 | 416 | 93 |
| Saginaw, Mich | 70 | 24 | 135 | 44 | 202 | 55 | 208 | 52 | 304 | 67 | 334 | 73 |
| St. Joseph, Mo | 120 | 40 | 180 | 58 | 213 | 58 | 202 | 51 | 270 | 61 | 312 | 69 |
| St. Louis, Mo | 107 | 35 | 178 | 57 | 240 | 65 | 202 | 51 | 302 | 68 | 308 | 69 |
| St. Paul, Minn | 118 | 41 | 169 | 56 | 192 | 52 | 201 | 50 | 287 | 62 | 315 | 68 |
| Salt Lake City, Utah | 105 | 35 | 114 | 37 | 243 | 66 | 341 | 85 | 349 | 78 | 404 | 89 |
| San Antonio, Tex | 103 | 32 | 204 | 63 | 298 | 80 | 270 | 70 | 280 | 67 | 314 | 75 |
| San Diego, Cal | 152 | 48 | 211 | 66 | 256 | 69 | 298 | 76 | 314 | 73 | 266 | 62 |
| Sandy Hook, N. J | 150 | 50 | 136 | 44 | 209 | 56 | 205 | 51 | 261 | 58 | 227 | 51 |
| San Francisco, Cal | 65 | 21 | 139 | 44 | 246 | 66 | 333 | 84 | 342 | 77 | 347 | 78 |
| San Jose, Cal | 72 | 23 | 160 | 51 | 251 | 68 | 358 | 91 | 366 | 83 | 360 | 82 |
| San Juan, P. R | 155 | 45 | 195 | 58 | 274 | 73 | 242 | 64 | 197 | 49 | 126 | 32 |
| San Luis Obispo, Cal | 94 | 30 | 157 | 49 | 261 | 70 | 327 | 83 | 334 | 77 | 346 | 80 |
| Santa Fe, N. Mex | 153 | 49 | 224 | 71 | 276 | 74 | 266 | 68 | 351 | 80 | 404 | 92 |
| Sault Ste. Marie, Mich | 65 | 23 | 140 | 46 | 191 | 52 | 162 | 40 | 232 | 50 | 192 | 41 |
| Savannah, Ga | 181 | 57 | 224 | 70 | 277 | 75 | 303 | 78 | 329 | 77 | 265 | 62 |
| Seattle, Wash | 73 | 27 | 103 | 34 | 128 | 35 | 194 | 47 | 229 | 49 | 236 | 49 |
| Sheridan, Wyo | 157 | 55 | 192 | 63 | 202 | 54 | 224 | 55 | 252 | 55 | 286 | 61 |
| Sioux City, Iowa | 152 | 51 | 201 | 65 | 213 | 58 | 216 | 54 | 295 | 65 | 295 | 65 |
| Spokane, Wash | 68 | 24 | 92 | 31 | 93 | 25 | 197 | 48 | 201 | 43 | 277 | 58 |
| Springfield, Ill | 114 | 38 | 158 | 51 | 215 | 58 | 204 | 51 | 264 | 59 | 313 | 70 |
| Springfield, Mo | 112 | 36 | 190 | 60 | 232 | 62 | 210 | 53 | 288 | 66 | 261 | 59 |
| Tacoma, Wash | 78 | 28 | 96 | 32 | 93 | 25 | 182 | 45 | 236 | 51 | 247 | 52 |
| Tampa, Fla | 233 | 71 | 270 | 83 | 330 | 89 | 314 | 82 | 318 | 76 | 299 | 72 |
| Terre Haute, Ind | 119 | 39 | 158 | 51 | 168 | 45 | 202 | 51 | 258 | 58 | 257 | 58 |
| Toledo, Ohio | 113 | 38 | 106 | 35 | 183 | 49 | 179 | 45 | 231 | 51 | 255 | 56 |
| Tonopah, Nev | 142 | 46 | 205 | 65 | 299 | 81 | 321 | 81 | 344 | 78 | 410 | 93 |
| Topeka, Kans | 159 | 52 | 215 | 69 | 235 | 63 | 200 | 50 | 310 | 70 | 329 | 74 |
| Trenton, N. J | 145 | 48 | 152 | 49 | 214 | 58 | 225 | 56 | 273 | 61 | 240 | 54 |
| Vicksburg, Miss | 121 | 38 | 181 | 56 | 266 | 72 | 275 | 71 | 315 | 74 | 292 | 68 |
| Walla Walla, Wash | 77 | 27 | 74 | 25 | 153 | 41 | 277 | 68 | 283 | 61 | 307 | 65 |
| Washington, D. C | 135 | 44 | 143 | 46 | 199 | 54 | 212 | 53 | 276 | 62 | 270 | 60 |
| Wichita, Kans | 129 | 42 | 206 | 66 | 256 | 69 | 189 | 48 | 296 | 67 | 307 | 69 |
| Williston, N. Dak | 97 | 35 | 162 | 55 | 159 | 43 | 222 | 54 | 242 | 51 | 267 | 56 |
| Wilmington, N. C | 188 | 60 | 208 | 65 | 265 | 71 | 290 | 74 | 322 | 74 | 280 | 65 |
| Winnemucca, Nev | 136 | 46 | 208 | 67 | 280 | 76 | 348 | 87 | 372 | 83 | 424 | 94 |
| Wytheville, Va | 129 | 42 | 150 | 48 | 192 | 52 | 200 | 51 | 324 | 74 | 327 | 62 |
| Yankton, S. Dak | 130 | 45 | 177 | 58 | 152 | 41 | 168 | 42 | 253 | 56 | 301 | 66 |
| Yellowstone Park, Wyo | 101 | 35 | 182 | 60 | 174 | 47 | 237 | 59 | 210 | 46 | 297 | 64 |
| Yuma, Ariz | 208 | 65 | 260 | 81 | 330 | 89 | 371 | 95 | 416 | 97 | 424 | 99 |

*Sunshine, 1916*—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. |
| Richmond, Va | 268 | 60 | 271 | 64 | 277 | 74 | 226 | 65 | 202 | 66 | 186 | 63 | 2,701 | 60 |
| Rochester, N. Y | 367 | 79 | 327 | 76 | 227 | 61 | 186 | 54 | 119 | 41 | 88 | 31 | 2,398 | 51 |
| Roswell, N. Mex | 338 | 77 | 287 | 69 | 296 | 80 | 268 | 76 | 273 | 87 | 250 | 80 | 3,597 | 80 |
| Sacramento, Cal | 445 | 98 | 374 | 88 | 330 | 88 | 232 | 67 | 200 | 66 | 135 | 46 | 3,455 | 74 |
| Saginaw, Mich | 406 | 87 | 356 | 83 | 274 | 73 | 212 | 62 | 124 | 43 | 130 | 46 | 2,756 | 59 |
| St. Joseph, Mo | 401 | 88 | 292 | 69 | 291 | 78 | 206 | 60 | 203 | 68 | 156 | 54 | 2,844 | 63 |
| St. Louis, Mo | 391 | 86 | 307 | 72 | 282 | 76 | 232 | 67 | 218 | 72 | 162 | 55 | 2,930 | 64 |
| St. Paul, Minn | 390 | 83 | 316 | 73 | 218 | 58 | 197 | 58 | 161 | 56 | 141 | 52 | 2,705 | 59 |
| Salt Lake City, Utah | 382 | 83 | 358 | 84 | 329 | 88 | 243 | 71 | 208 | 70 | 121 | 42 | 3,196 | 69 |
| San Antonio, Tex | 240 | 56 | 271 | 67 | 274 | 74 | 275 | 77 | 252 | 79 | 224 | 70 | 3,005 | 68 |
| San Diego, Cal | 257 | 59 | 293 | 71 | 229 | 62 | 243 | 69 | 253 | 81 | 192 | 62 | 2,963 | 66 |
| Sandy Hook, N. J | 195 | 43 | 292 | 69 | 271 | 73 | 252 | 73 | 172 | 57 | 170 | 59 | 2,540 | 57 |
| San Francisco, Cal | 394 | 88 | 275 | 65 | 260 | 70 | 148 | 43 | 206 | 68 | 176 | 60 | 2,931 | 64 |
| San Jose, Cal | 417 | 93 | 351 | 84 | 278 | 75 | 173 | 50 | 233 | 76 | 151 | 50 | 3,172 | 69 |
| San Juan, P. R | 115 | 28 | 212 | 54 | 207 | 56 | 170 | 47 | 141 | 42 | 197 | 57 | 2,231 | 50 |
| San Luis Obispo, Cal | 340 | 77 | 289 | 69 | 272 | 73 | 197 | 56 | 235 | 76 | 172 | 56 | 3,024 | 66 |
| Santa Fe, N. Mex | 276 | 62 | 292 | 70 | 290 | 78 | 248 | 71 | 280 | 91 | 188 | 62 | 3,248 | 72 |
| Sault Ste. Marie, Mich | 363 | 76 | 251 | 57 | 107 | 29 | 92 | 27 | 37 | 13 | 89 | 33 | 1,920 | 41 |
| Savannah, Ga | 196 | 45 | 266 | 65 | 248 | 67 | 175 | 50 | 199 | 63 | 185 | 59 | 2,850 | 64 |
| Seattle, Wash | 221 | 46 | 254 | 58 | 197 | 52 | 132 | 39 | 98 | 35 | 28 | 11 | 1,913 | 40 |
| Sheridan, Wyo | 355 | 75 | 292 | 67 | 286 | 76 | 165 | 49 | 175 | 61 | 88 | 32 | 2,672 | 59 |
| Sioux City, Iowa | 387 | 84 | 294 | 69 | 261 | 70 | 188 | 55 | 199 | 67 | 172 | 60 | 2,874 | 64 |
| Spokane, Wash | 353 | 73 | 358 | 81 | 261 | 69 | 246 | 73 | 116 | 42 | 45 | 17 | 2,306 | 49 |
| Springfield, Ill | 388 | 85 | 320 | 75 | 272 | 73 | 216 | 63 | 203 | 68 | 158 | 54 | 2,825 | 62 |
| Springfield, Mo | 386 | 86 | 303 | 72 | 271 | 73 | 203 | 58 | 221 | 72 | 163 | 54 | 2,840 | 63 |
| Tacoma, Wash | 453 | 53 | 246 | 56 | 211 | 56 | 151 | 45 | 105 | 37 | 16 | 6 | 2,115 | 40 |
| Tampa, Fla | 281 | 66 | 284 | 70 | 258 | 70 | 216 | 61 | 239 | 74 | 212 | 66 | 3,256 | 73 |
| Terre Haute, Ind | 367 | 81 | 308 | 73 | 276 | 74 | 249 | 72 | 232 | 77 | 158 | 54 | 2,751 | 61 |
| Toledo, Ohio | 387 | 84 | 350 | 82 | 252 | 67 | 222 | 65 | 131 | 44 | 106 | 37 | 2,515 | 54 |
| Tonopah, Nev | 437 | 97 | 399 | 95 | 362 | 97 | 271 | 78 | 269 | 89 | 210 | 71 | 3,669 | 81 |
| Topeka, Kans | 406 | 90 | 310 | 73 | 276 | 74 | 224 | 65 | 224 | 74 | 208 | 71 | 3,097 | 69 |
| Trenton, N. J | 229 | 50 | 290 | 68 | 256 | 69 | 231 | 67 | 184 | 62 | 168 | 58 | 2,607 | 58 |
| Vicksburg, Miss | 212 | 49 | 282 | 68 | 322 | 87 | 298 | 85 | 251 | 80 | 137 | 44 | 2,952 | 66 |
| Walla Walla, Wash | 370 | 78 | 378 | 86 | 267 | 71 | 264 | 78 | 120 | 42 | 30 | 11 | 2,600 | 54 |
| Washington, D. C | 250 | 55 | 305 | 72 | 265 | 71 | 251 | 73 | 188 | 62 | 171 | 58 | 2,664 | 59 |
| Wichita, Kans | 433 | 96 | 348 | 83 | 292 | 78 | 215 | 62 | 222 | 73 | 159 | 54 | 3,053 | 67 |
| Williston, N. Dak | 374 | 77 | 335 | 76 | 248 | 66 | 134 | 40 | 132 | 47 | 146 | 56 | 2,519 | 55 |
| Wilmington, N. C | 216 | 49 | 290 | 70 | 262 | 71 | 210 | 60 | 239 | 77 | 200 | 65 | 2,970 | 67 |
| Winnemucca, Nev | 446 | 97 | 400 | 94 | 354 | 95 | 279 | 81 | 239 | 80 | 143 | 50 | 3,630 | 79 |
| Wytheville, Va | 203 | 45 | 184 | 44 | 227 | 61 | 219 | 63 | 206 | 68 | 168 | 56 | 2,528 | 56 |
| Yankton, S. Dak | 365 | 79 | 237 | 55 | 234 | 62 | 205 | 60 | 196 | 67 | 138 | 49 | 2,558 | 57 |
| Yellowstone Park, Wyo | 373 | 79 | 321 | 74 | 236 | 63 | 155 | 46 | 122 | 43 | 80 | 29 | 2,489 | 54 |
| Yuma, Ariz | 404 | 92 | 381 | 92 | 335 | 90 | 349 | 99 | 302 | 96 | 252 | 81 | 4,031 | 90 |

# EXCESSIVE RAINFALL, 1916.

The following table contains reports of excessive rainfall for the calendar year 1916. Similar records for the years from 1896 to 1915, inclusive, have been published in the appropriate Annual Reports of the Chief of the Weather Bureau. The published data prior to 1896 consist of a record of maximum amounts of rainfall in 5 and 10 minute periods, and also in 1 and 24 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.

The table shows the accumulated amounts of precipitation for each 5 minutes during all storms of 1916 in which the rate of fall equaled or exceeded 0.25 inch in any 5-minute period or 0.80 inch in an hour, at all stations furnished with self-registering gages, except that along the Atlantic coast and in the Gulf region at stations having normally heavy falls only data for the more important storms are included.

| 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.** | | | | | | | | | | | | | | | | | | | | |
| Eastport, Me.: | | | | | | | | | | | | | | | | | | | | |
| July 13 | 1.45 p.m. | 2.15 p.m. | 0.46 | 1.52 p.m. | 2.13 p.m. | 0.01 | 0.05 | 0.11 | 0.25 | 0.43 | 0.45 | | | | | | | | | |
| July 17 | D.N.a.m. | 5.10 a.m. | 1.09 | 3.55 a.m. | 4.21 a.m. | .03 | .20 | .56 | .76 | .82 | .89 | 0.90 | | | | | | | | |
| Aug. 8 | D.N.a.m. | 6.20 a.m. | .46 | 2.36 a.m. | 2.41 a.m. | .06 | .31 | | | | | | | | | | | | | |
| Portland, Me.: | | | | | | | | | | | | | | | | | | | | |
| July 8 | 5.25 p.m. | 6.57 p.m. | .64 | 5.48 p.m. | 6.13 p.m. | .02 | .09 | .19 | .42 | .50 | .55 | | | | | | | | | |
| July 11 | 5.52 p.m. | 6.20 p.m. | .46 | 6.09 p.m. | 6.18 p.m. | .09 | .30 | .37 | | | | | | | | | | | | |
| Aug. 23 | 5.07 p.m. | 5.48 p.m. | .65 | 5.21 p.m. | 5.35 p.m. | .01 | .24 | .55 | .63 | | | | | | | | | | | |
| Concord, N. H.: | | | | | | | | | | | | | | | | | | | | |
| July 2 | 6.29 p.m. | 7.14 p.m. | .94 | 6.49 p.m. | 7.05 p.m. | T. | .27 | .68 | .91 | .94 | | | | | | | | | | |
| Aug. 23 | 3.07 p.m. | D.N.p.m. | 2.15 | 7.06 p.m. | 7.35 p.m. | .91 | .08 | .31 | .70 | .82 | .89 | .95 | | | | | | | | |
| Burlington, Vt.: | | | | | | | | | | | | | | | | | | | | |
| May 30 | 1.40 p.m. | 3.15 p.m. | .76 | 1.58 p.m. | 2.19 p.m. | .08 | .30 | .46 | .57 | .64 | | | | | | | | | | |
| June 5 | 5.15 p.m. | 8.10 p.m. | .52 | 7.24 p.m. | 7.35 p.m. | .08 | .15 | .35 | .39 | | | | | | | | | | | |
| July 22 | 1.46 p.m. | 2.17 p.m. | .46 | 1.46 p.m. | 1.58 p.m. | 0 | .19 | .41 | .45 | | | | | | | | | | | |
| Sept. 29 | 11.00 a.m. | 11.50 a.m. | .59 | 11.09 a.m. | 11.40 a.m. | .02 | .10 | .14 | .24 | .37 | .47 | .55 | 0.57 | | | | | | | |
| Northfield, Vt.: | | | | | | | | | | | | | | | | | | | | |
| July 21 | 8.40 p.m. | 10.30 p.m. | .57 | 8.48 p.m. | 9.02 p.m. | .02 | .21 | .42 | .50 | | | | | | | | | | | |
| July 22 | 5.20 p.m. | 7.45 p.m. | 1.38 | 7.09 p.m. | 7.29 p.m. | .22 | .10 | .32 | .78 | 1.13 | | | | | | | | | | |
| Boston, Mass.: | | | | | | | | | | | | | | | | | | | | |
| July 3 | 3.55 p.m. | 6.15 p.m. | 1.71 | 4.34 p.m. | 5.05 p.m. | .17 | .28 | .50 | .72 | 1.13 | 1.18 | 1.33 | 1.34 | | | | | | | |
| Nantucket, Mass.: | | | | | | | | | | | | | | | | | | | | |
| May 28 | 1.40 p.m. | 7.20 p.m. | .51 | 2.41 p.m. | 2.54 p.m. | .10 | .09 | .31 | .38 | | | | | | | | | | | |
| July 3 | 4.45 a.m. | 10.10 a.m. | 1.79 | 4.57 a.m. | 6.00 a.m. | .04 | .13 | .19 | .28 | .37 | .50 | .65 | .84 | 0.90 | 1.07 | 1.13 | 1.23 | 1.31 | | |
| July 14 | [1] 6.50 p.m. | 9.15 a.m. | .64 | 3.03 a.m. | 3.18 a.m. | .13 | .07 | .24 | .35 | | | | | | | | | | | |
| July 27 | 3.20 p.m. | 8.40 p.m. | .80 | 4.24 p.m. | 4.46 p.m. | .34 | .06 | .10 | .26 | .39 | .42 | | | | | | | | | |
| Block Island, R. I.: | | | | | | | | | | | | | | | | | | | | |
| July 3 | 1.40 a.m. | 8.05 a.m. | .94 | 2.13 a.m. | 2.31 a.m. | .02 | .13 | .34 | .46 | .52 | | | | | | | | | | |
| Providence, R. I.: | | | | | | | | | | | | | | | | | | | | |
| July 13 | 2.45 p.m. | 8.35 p.m. | .85 | 3.04 p.m. | 3.32 p.m. | .02 | .18 | .28 | .41 | .44 | .49 | .55 | | | | | | | | |
| Hartford, Conn.: | | | | | | | | | | | | | | | | | | | | |
| May 29 | D.N.a.m. | 7.05 a.m. | .79 | 1.44 a.m. | 1.59 a.m. | .05 | .25 | .38 | .45 | | | | | | | | | | | |
| July 2–3 | 11.30 p.m. | D.N.a.m. | .98 | 11.46 p.m. | 12.11 a.m. | .01 | .22 | .32 | .50 | .66 | .72 | | | | | | | | | |
| July 13 | 1.25 p.m. | 3.00 p.m. | .82 | 1.48 p.m. | 2.09 p.m. | .02 | .06 | .16 | .45 | .70 | .77 | | | | | | | | | |
| Aug. 27 | 4.29 p.m. | 7.05 p.m. | 1.50 | 5.30 p.m. | 6.47 p.m. | .11 | .06 | .19 | .26 | .37 | .46 | .51 | .52 | .53 | .62 | .64 | .94 | 1.35 | | |
| Sept. 15 | 12.20 p.m. | 1.22 p.m. | 1.06 | 12.34 p.m. | 1.08 p.m. | .04 | .15 | .35 | .44 | .58 | .73 | .89 | 1.01 | | | | | | | |
| New Haven, Conn.: | | | | | | | | | | | | | | | | | | | | |
| July 13 | 4.20 p.m. | D.N.p.m. | 1.03 | 5.05 p.m. | 5.16 p.m. | .20 | .27 | .56 | .62 | | | | | | | | | | | |
| Aug. 10 | 4.20 p.m. | 5.08 p.m. | .85 | 4.43 p.m. | 4.56 p.m. | .02 | .28 | .65 | .82 | | | | | | | | | | | |
| **MIDDLE ATLANTIC STATES.** | | | | | | | | | | | | | | | | | | | | |
| Albany, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| May 8 | 5.12 p.m. | 7.10 p.m. | .62 | 5.40 p.m. | 5.53 p.m. | .05 | .19 | .32 | .39 | | | | | | | | | | | |
| Aug. 27 | 3.42 p.m. | 5.15 p.m. | .91 | 3.53 p.m. | 4.09 p.m. | .02 | .25 | .47 | .67 | .70 | | | | | | | | | | |
| Sept. 15 | D.N.a.m. | 12.50 p.m. | 2.06 | 3.31 a.m. | 4.49 a.m. | .11 | .09 | .21 | .35 | .42 | .51 | .63 | .79 | .96 | 1.00 | 1.05 | 1.10 | 1.42 | | |
| Binghamton, N.Y.: | | | | | | | | | | | | | | | | | | | | |
| May 8 | 4.05 p.m. | 4.42 p.m. | .56 | 4.15 p.m. | 4.25 p.m. | .03 | .30 | .49 | | | | | | | | | | | | |
| Aug. 26 | 6.15 p.m. | D.N.p.m. | .80 | 6.58 p.m. | 7.13 p.m. | .20 | .16 | .30 | .35 | | | | | | | | | | | |
| Oct. 20 | 5.43 p.m. | 8.30 p.m. | .71 | 6.48 p.m. | 7.08 p.m. | .02 | .28 | .30 | .49 | .57 | | | | | | | | | | |
| New York, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| June 17 | 3.10 p.m. | 3.34 p.m. | .50 | 3.23 p.m. | 3.33 p.m. | T. | .22 | .50 | | | | | | | | | | | | |
| July 22 | 11.35 a.m. | 1.38 p.m. | .41 | 11.40 a.m. | 11.55 a.m. | T. | .13 | .31 | .38 | | | | | | | | | | | |
| Sept. 29 | 3.42 p.m. | 9.25 p.m. | .76 | 3.47 p.m. | 4.02 p.m. | T. | .22 | .36 | .47 | | | | | | | | | | | |

[1] On previous date.

| Station and date. | Total duration. From— | Total duration. To— | Total amount of precipitation (inches). | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive rate began (inches). | 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—con.** | | | | | | | | | | | | | | | | | | | | |
| **Harrisburg, Pa.:** | | | | | | | | | | | | | | | | | | | | |
| May 28 | 4.22 p.m. | 4.45 p.m. | 0.45 | 4.25 p.m. | 4.38 p.m. | 0.01 | 0.11 | 0.38 | 0.43 | | | | | | | | | | | |
| July 21 | 6.06 p.m. | [1] 5.05 a.m. | 1.46 | 8.00 p.m. | 8.16 p.m. | .42 | .15 | .41 | .57 | 0.62 | | | | | | | | | | |
| Sept. 14 [2] | 8.20 p.m. | [1] 7.50 a.m. | 4.90 | 9.12 p.m. | 10.03 p.m. | .01 | .16 | .33 | .35 | .36 | 0.39 | 0.42 | 0.55 | 0.64 | 0.76 | 0.87 | 0.90 | | | |
| Sept. 14 [2] | 8.20 p.m. | [1] 7.50 a.m. | 4.90 | 11.25 p.m. | 11.34 p.m. | .99 | .18 | .33 | | | | | | | | | | | | |
| Sept. 15 [2] | [3] 8.20 p.m. | 7.50 a.m. | 4.90 | 1.13 a.m. | | 1.61 | .13 | .15 | .18 | .24 | .28 | .35 | .43 | .53 | .72 | 1.03 | 1.26 | 1.66 | 2.00 | |
| **Philadelphia, Pa.:** | | | | | | | | | | | | | | | | | | | | |
| May 25 | 4.15 p.m. | 6.10 p.m. | 1.01 | 4.38 p.m. | 4.52 p.m. | .02 | .37 | .80 | .97 | | | | | | | | | | | |
| July 13 | 5.32 p.m. | [1] D. N. a.m. | 1.08 | 7.02 p.m. | 7.24 p.m. | .17 | .11 | .21 | .34 | .41 | .46 | | | | | | | | | |
| Sept. 8 | 1.58 p.m. | 4.00 p.m. | 1.44 | 2.53 p.m. | 3.40 p.m. | .30 | .20 | .24 | .39 | .46 | .54 | .72 | .89 | 1.02 | 1.08 | 1.11 | | | | |
| **Reading, Pa.:** | | | | | | | | | | | | | | | | | | | | |
| Apr. 21 | 5.45 p.m. | 6.33 p.m. | .75 | 5.57 p.m. | 6.20 p.m. | .05 | .05 | .19 | .35 | .63 | .68 | | | | | | | | | |
| June 3 | 4.21 p.m. | 5.32 p.m. | .48 | 4.46 p.m. | 5.02 p.m. | .02 | .11 | .30 | .39 | .42 | | | | | | | | | | |
| July 13 | 3.31 p.m. | 4.16 p.m. | .57 | 3.58 p.m. | 4.10 p.m. | .09 | .21 | .43 | .48 | | | | | | | | | | | |
| July 17 | 12.55 a.m. | 2.30 a.m. | 1.98 | 1.00 a.m. | 2.00 a.m. | .01 | .08 | .18 | .37 | .75 | .94 | 1.11 | 1.35 | 1.49 | 1.56 | 1.73 | 1.89 | | | |
| July 17 | 6.29 p.m. | 8.20 p.m. | .61 | 6.36 p.m. | 7.00 p.m. | .02 | .06 | .15 | .33 | .50 | .57 | | | | | | | | | |
| July 21 | 6.10 p.m. | 11.00 p.m. | 5.26 | 6.28 p.m.<br>7.18 p.m.<br>8.08 p.m. | 7.18 p.m.<br>8.08 p.m.<br>8.31 p.m. | .04<br>.....<br>..... | .06<br>2.48<br>4.41 | .50<br>2.55<br>4.68 | .80<br>2.74<br>4.80 | 1.09<br>3.14<br>4.89 | 1.28<br>3.46<br>4.93 | 1.35<br>3.58 | 1.60<br>3.63 | 1.92<br>3.81 | 2.17<br>3.98 | 2.34<br>4.11 | | | | |
| Aug. 28 | 8.09 a.m. | 8.27 a.m. | .44 | 8.09 a.m. | 8.16 a.m. | 0 | .38 | .44 | | | | | | | | | | | | |
| **Scranton, Pa.:** | | | | | | | | | | | | | | | | | | | | |
| June 27 | 9.15 p.m. | D. N. p.m. | 1.18 | 9.33 p.m. | 10.12 p.m. | .08 | .05 | .21 | .34 | .64 | .86 | .92 | 1.01 | 1.07 | | | | | | |
| Sept. 14 | 10.40 p.m. | [1] 9.31 a.m. | 2.34 | 11.43 p.m. | 11.59 p.m. | .15 | .12 | .34 | .52 | .57 | | | | | | | | | | |
| **Atlantic City, N. J.:** | | | | | | | | | | | | | | | | | | | | |
| May 25 | 4.44 p.m. | 5.04 p.m. | .49 | 4.47 p.m. | 4.58 p.m. | .01 | .13 | .44 | .48 | | | | | | | | | | | |
| **Sandy Hook, N. J.:** | | | | | | | | | | | | | | | | | | | | |
| May 16 | 1.25 p.m. | [1] 4.50 a.m. | 2.36 | 8.13 p.m. | 8.53 p.m. | 1.07 | .07 | .16 | .28 | .42 | .48 | .55 | .62 | .67 | | | | | | |
| June 19 | 3.12 p.m. | 3.30 p.m. | .46 | 3.14 p.m. | 3.21 p.m. | .01 | .36 | .44 | | | | | | | | | | | | |
| June 19 | 8.02 p.m. | 9.15 p.m. | .79 | 8.07 p.m. | 8.19 p.m. | .01 | .17 | .41 | .57 | | | | | | | | | | | |
| July 13 | 5.35 p.m. | [1] 2.00 a.m. | .96 | 6.40 p.m. | 6.50 p.m. | .03 | .16 | .30 | | | | | | | | | | | | |
| Aug. 8 | 4.40 p.m. | 5.00 p.m. | .40 | 4.40 p.m. | 4.53 p.m. | 0 | .09 | .34 | .39 | | | | | | | | | | | |
| Aug. 27 | 5.41 p.m. | 6.14 p.m. | .36 | 5.47 p.m. | 5.54 p.m. | .02 | .26 | .33 | | | | | | | | | | | | |
| **Trenton, N. J.:** | | | | | | | | | | | | | | | | | | | | |
| July 2-3 | 11.45 p.m. | D. N. a.m. | .96 | 11.51 p.m. | 12.26 a.m. | .01 | .08 | .26 | .38 | .41 | .42 | .59 | .85 | | | | | | | |
| July 17 | 3.08 p.m. | 6.15 p.m. | 1.09 | 3.24 p.m. | 4.04 p.m. | .05 | .14 | .21 | .22 | .24 | .28 | .61 | .88 | .98 | | | | | | |
| July 26 | 7.42 p.m. | 8.35 p.m. | .71 | 7.46 p.m. | 8.06 p.m. | .01 | .05 | .16 | .44 | .58 | | | | | | | | | | |
| **Baltimore, Md.** [4] | | | | | | | | | | | | | | | | | | | | |
| **Washington, D. C.:** | | | | | | | | | | | | | | | | | | | | |
| Apr. 21 | 4.55 p.m. | 6.45 p.m. | .57 | 5.09 p.m. | 5.26 p.m. | .01 | .24 | .38 | .46 | .50 | | | | | | | | | | |
| June 10 | 6.45 p.m. | 10.25 p.m. | 2.18 | 7.01 p.m. | 7.54 p.m. | .01 | .08 | .27 | .59 | .81 | 1.11 | 1.40 | 1.61 | 1.63 | 1.65 | 1.73 | 1.85 | | | |
| July 22 | 12.10 a.m. | 3.30 a.m. | 1.36 | 12.14 a.m. | 12.46 a.m. | .01 | .21 | .47 | .57 | .77 | .88 | 1.04 | 1.09 | | | | | | | |
| July 25 | 11.37 a.m. | 12.20 p.m. | .61 | [2] 11.47 a.m. | [2] 12.12 p.m. | .03 | .06 | .19 | .31 | .50 | .57 | | | | | | | | | |
| July 25 | 3.45 p.m. | 5.30 p.m. | .62 | 4.28 p.m. | 4.40 p.m. | .01 | .42 | .53 | .56 | | | | | | | | | | | |
| Aug. 6 [2] | 1.20 p.m. | 3.10 p.m. | 1.46 | | | | | | | | | | | | | | 1.13 | | | 1.46 |
| Aug. 27 | 4.25 p.m. | 5.30 p.m. | .42 | 4.29 p.m. | 4.38 p.m. | .01 | .13 | .38 | | | | | | | | | | | | |
| Sept. 15 | 11.06 a.m. | 2.10 p.m. | 1.17 | 11.13 a.m. | 11.38 a.m. | .01 | .29 | .48 | .67 | .80 | .87 | | | | | | | | | |
| **MIDDLE ATLANTIC STATES.** | | | | | | | | | | | | | | | | | | | | |
| **Cape Henry, Va:** | | | | | | | | | | | | | | | | | | | | |
| May 24 | [3] 2.50 p.m. | 11.15 a.m. | 2.04 | 2.15 a.m. | 2.39 a.m. | 1.21 | 0.13 | 0.22 | 0.39 | 0.54 | 0.61 | | | | | | | | | |
| June 11 | 12.10 a.m. | 1.00 a.m. | .46 | 12.27 a.m. | 12.43 a.m. | .04 | .23 | .30 | .36 | .41 | | | | | | | | | | |
| July 23 | 2.55 p.m. | 5.15 p.m. | .83 | 3.18 p.m. | 3.48 p.m. | .02 | .18 | .29 | .36 | .43 | .51 | 0.57 | | | | | | | | |
| Aug. 11 | 12.03 a.m. | 12.45 a.m. | .43 | 12.24 a.m. | 12.38 a.m. | .01 | .22 | .35 | .42 | | | | | | | | | | | |
| **Lynchburg, Va.:** | | | | | | | | | | | | | | | | | | | | |
| May 4 | 2.00 p.m. | 6.40 p.m. | 1.68 | 2.12 p.m. | 2.49 p.m. | .01 | .07 | .09 | .24 | .51 | .75 | 1.01 | .133 | 1.38 | | | | | | |
| May 13 | 8.10 p.m. | 11.15 p.m. | .58 | 8.13 p.m. | 8.27 p.m. | .01 | .11 | .34 | .45 | | | | | | | | | | | |
| May 28 | 3.55 p.m. | 5.25 p.m. | .91 | 4.33 p.m. | 4.43 p.m. | .10 | .36 | .49 | | | | | | | | | | | | |
| June 8 | 5.20 p.m. | 11.50 p.m. | .61 | 5.35 p.m. | 5.50 p.m. | .01 | .10 | .33 | .43 | | | | | | | | | | | |
| June 29-30 | 10.30 p.m. | 12.40 a.m. | 1.73 | 11.06 p.m. | 12.01 a.m. | .08 | .06 | .10 | .19 | .53 | .83 | 1.09 | 1.27 | 1.43 | 1.50 | 1.56 | 1.63 | | | |
| July 10 | 9.25 a.m. | 11.20 a.m. | 2.09 | 9.28 a.m. | 11.08 a.m. | .01 | .08 | .18 | .31 | .42 | .54 | .65 | .77 | .89 | 1.00 | 1.15 | 1.51 | 1.74 | 2.07 | |
| July 24 | 8.05 a.m. | [1] 8.20 a.m. | 4.29 | 10.07 a.m. | 11.07 a.m. | .28 | .05 | .12 | .25 | .44 | .62 | .84 | .90 | .93 | .94 | .96 | 1.17 | | | |
| July 26 | 4.50 p.m. | 6.10 p.m. | .81 | 5.03 p.m. | 5.35 p.m. | .01 | .18 | .30 | .40 | .46 | .60 | .70 | .74 | | | | | | | |
| Aug. 4 | 1.35 p.m. | 2.55 p.m. | .62 | 2.08 p.m. | 2.30 p.m. | .12 | .05 | .16 | .37 | .45 | .47 | | | | | | | | | |
| Aug. 24 | 5.05 a.m. | 7.35 a.m. | .52 | 5.44 a.m. | 5.54 a.m. | .03 | .17 | .46 | | | | | | | | | | | | |
| Sept. 8 | 3.55 p.m. | 4.25 p.m. | .36 | 4.14 p.m. | 4.23 p.m. | .01 | .29 | .35 | | | | | | | | | | | | |
| **Norfolk, Va.:** | | | | | | | | | | | | | | | | | | | | |
| May 24 | [3] 1.55 p.m. | 9.50 a.m. | 2.46 | 12.31 a.m. | 1.09 a.m. | .92 | .08 | .13 | .24 | .34 | .41 | .57 | .66 | .71 | | | | | | |
| May 29 | 10.32 p.m. | [1] D. N. a.m. | .36 | 10.34 p.m. | 10.43 p.m. | .01 | .22 | .30 | | | | | | | | | | | | |
| Sept. 6 | [3] 10.15 p.m. | 6.30 a.m. | .88 | 1.30 a.m. | 1.46 a.m. | .18 | .13 | .29 | .41 | .44 | | | | | | | | | | |
| Sept. 29 | 2.40 p.m. | 4.45 p.m. | .76 | 2.52 p.m. | 3.21 p.m. | .01 | .12 | .27 | .31 | .48 | .58 | .65 | | | | | | | | |
| Oct. 9 | 9.45 p.m. | [1] D. N. a.m. | .64 | 10.20 p.m. | 10.39 p.m. | .14 | .15 | .32 | .37 | .43 | | | | | | | | | | |
| **Richmond, Va.:** | | | | | | | | | | | | | | | | | | | | |
| May 29 | 8.11 p.m. | 9.30 p.m. | .85 | 8.37 p.m. | 8.52 p.m. | .01 | .18 | .62 | .76 | | | | | | | | | | | |
| May 30 | 1.50 a.m. | D. N. a.m. | .73 | 1.57 a.m. | 2.12 a.m. | .01 | .17 | .32 | .37 | | | | | | | | | | | |
| June 8 | 10.13 p.m. | [1] D. N. a.m. | .79 | 10.22 p.m. | 10.43 p.m. | .01 | .06 | .12 | .24 | .40 | .43 | | | | | | | | | |
| June 21 | 4.23 p.m. | 5.30 p.m. | .47 | 4.41 p.m. | 4.52 p.m. | .07 | .17 | .34 | .37 | | | | | | | | | | | |
| June 24 | 7.05 p.m | 9.26 p.m. | .82 | 7.17 p.m. | 7.43 p.m. | .01 | .24 | .40 | .42 | .49 | .66 | .69 | | | | | | | | |
| June 24 | 9.55 p.m. | [1] 3.00 a.m. | 1.51 | 9.59 p.m. | 10.31 p.m. | .01 | .15 | .33 | .36 | .49 | .83 | 1.14 | 1.19 | | | | | | | |
| June 28 | 9.07 p.m. | 9.54 p.m. | .93 | 9.10 p.m. | 9.37 p.m. | .02 | .20 | .42 | .64 | .76 | .84 | .88 | | | | | | | | |
| July 10 | 2.58 p.m. | 4.04 p.m. | .28 | 2.58 p.m. | 3.03 p.m. | 0 | .26 | | | | | | | | | | | | | |
| July 14 | 3.40 p.m. | 7.05 p.m. | .74 | 4.02 p.m. | 4.18 p.m. | .01 | .21 | .54 | .66 | .69 | | | | | | | | | | |
| July 23 | 5.35 p.m. | 6.50 p.m. | .83 | 5.48 p.m. | 6.11 p.m. | .03 | .16 | .46 | .54 | .71 | .76 | | | | | | | | | |
| Aug. 16 | D. N. a.m. | 7.47 a.m. | .50 | 3.10 a.m. | 3.22 a.m. | .01 | .23 | .29 | .35 | | | | | | | | | | | |
| **Wytheville, Va.:** | | | | | | | | | | | | | | | | | | | | |
| June 24 | 12.08 p.m. | 2.30 p.m. | .59 | 1.01 p.m. | 1.20 p.m. | .08 | .08 | .23 | .31 | .40 | | | | | | | | | | |
| July 16 | 8.07 p.m. | [1] 12.35 a.m. | 1.77 | 11.12 p.m. | 11.42 p.m. | .63 | .15 | .26 | .49 | .77 | .92 | 1.06 | | | | | | | | |
| Aug. 6 | 6.41 p.m. | 8.25 p.m. | 2.62 | 6.45 p.m. | 7.48 p.m. | .02 | .08 | .18 | .22 | .25 | .32 | .57 | .95 | 1.23 | 1.51 | 1.83 | 2.43 | 2.59 | | |
| Aug. 16 | 12.14 p.m. | 1.24 p.m. | .96 | 12.20 p.m. | 12.45 p.m. | .01 | .18 | .35 | .41 | .53 | .71 | | | | | | | | | |
| Aug. 22 | 2.40 p.m. | 5.00 p.m. | 2.50 | 2.42 p.m. | 3.20 p.m. | .01 | .21 | .47 | 1.02 | 1.57 | 1.95 | 2.18 | 2.31 | 2.40 | | | | | | |
| Sept. 28 | 9.05 p.m. | [1] 5.55 a.m. | 1.33 | 9.54 p.m. | 10.14 p.m. | .31 | .16 | .27 | .37 | .47 | | | | | | | | | | |

[1] On following date. [2] Record defective. [3] On previous date. [4] No excessive precipitation.

| 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. | | | | | | | | | | | | | | | | | | | | |
| Asheville, N. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| Aug. 22 | 1.50 p. m. | 3.05 p. m. | 1.09 | 1.57 p. m. | 2.23 p. m. | 0.01 | 0.15 | 0.23 | 0.65 | 0.93 | 1.01 | 1.04 | | | | | | | | |
| Sept. 28 | 7.35 p. m. | 11.25 p. m. | 1.14 | 8.01 p. m. | 8.23 p. m. | .15 | .12 | .29 | .44 | .52 | .55 | | | | | | | | | |
| Charlotte, N. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 23 | [2] 5.40 p. m. | 12.50 p. m. | 2.59 | 11.51 a. m. | 12.31 p. m. | 1.54 | .05 | .13 | .24 | .39 | .61 | .78 | .89 | .98 | | | | | | |
| May 30 | 10.48 a. m. | 11.52 a. m. | .51 | 10.58 a. m. | 11.04 a. m. | .01 | .35 | .41 | | | | | | | | | | | | |
| June 6 | 5.15 a. m. | 8.57 a. m. | 2.15 | 5.37 a. m. | 6.25 a. m. | .01 | .09 | .27 | .41 | .53 | .60 | .88 | 1.20 | 1.69 | 1.88 | 1.92 | | | | |
| July 4 | 5.30 p. m. | 6.10 p. m. | 1.50 | 5.34 p. m. | 5.59 p. m. | .01 | .32 | .56 | .89 | 1.25 | 1.48 | | | | | | | | | |
| July 20 | 8:25 p. m. | D. N. p. m. | .56 | 8.34 p. m. | 8.43 p. m. | .01 | .29 | .44 | | | | | | | | | | | | |
| July 22 | 2.30 p. m. | 3.42 p. m. | .72 | 2.54 p. m. | 3.06 p. m. | .08 | .20 | .45 | .50 | | | | | | | | | | | |
| July 23 | 6.03 p. m. | 9.15 p. m. | .82 | 6.08 p. m. | 6.28 p. m. | .01 | .24 | .45 | .59 | .68 | | | | | | | | | | |
| Aug. 16 | 6.42 p. m. | 8.10 p. m. | 1.03 | 6.46 p. m. | 7.31 p. m. | .01 | .16 | .23 | .41 | .62 | .70 | .77 | .80 | .87 | .97 | | | | | |
| Aug. 24 | 7.50 p. m. | 8.20 p. m. | .60 | 7.53 p. m. | 8.13 p. m. | .01 | .16 | .39 | .49 | .57 | | | | | | | | | | |
| Oct. 9 | 5.15 p. m. | 6.20 p. m. | 1.24 | 5.19 p. m. | 5.49 p. m. | .02 | .33 | .64 | .80 | .84 | 1.00 | 1.17 | | | | | | | | |
| Hatteras, N. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| Feb. 2 | 2.40 p. m. | 4.20 p. m. | .53 | 2.55 p. m. | 3.04 p. m. | .04 | .30 | .47 | | | | | | | | | | | | |
| Apr. 26 | 8.33 p. m. | 9.40 p. m. | .80 | 8.40 p. m. | 8.54 p. m. | .02 | .28 | .48 | .54 | | | | | | | | | | | |
| June 30 | 5.35 a. m. | 11.05 a. m. | .87 | 7.17 a. m. | 7.32 a. m. | .03 | .14 | .32 | .45 | | | | | | | | | | | |
| July 26 | 3.37 p. m. | 3.58 p. m. | .36 | 3.41 p. m. | 3.49 p. m. | .01 | .19 | .34 | | | | | | | | | | | | |
| Aug. 16 | 6.55 p. m. | [3] D. N. a. m. | 1.16 | 7.06 p. m. | 7.21 p. m. | .01 | 23 | .55 | .92 | | | | | | | | | | | |
| Aug. 29 | 5.10 a. m. | 1.20 p. m. | 1.65 | 5.22 a. m. | 5.50 a. m. | .01 | .35 | .69 | .81 | .94 | 1.14 | 1.22 | | | | | | | | |
| Raleigh, N. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| June 3 | 3.50 p. m. | 5.46 p. m. | .65 | 3.56 p. m. | 4.11 p. m. | .02 | .25 | .47 | .59 | | | | | | | | | | | |
| June 24 | 7.27 p. m. | [3] D. N. a. m. | 1.27 | 7.41 p. m. | 8.02 p. m. | .01 | .13 | .40 | .61 | .80 | .85 | | | | | | | | | |
| June 30 | 12.26 p. m. | 12.37 p. m. | .32 | 12.26 p. m. | 12.31 p. m. | 0 | .31 | | | | | | | | | | | | | |
| July 14 | 12.24 p. m. | 1.05 p. m. | .39 | 12.24 p. m. | 12.35 p. m. | 0 | .10 | .33 | .37 | | | | | | | | | | | |
| July 24 | 4.42 p. m. | 6.38 p. m. | .93 | 4.44 p. m. | 4.55 p. m. | .01 | .25 | .58 | .65 | | | | | | | | | | | |
| July 25 | 7.10 a. m. | 11.25 a. m. | 1.40 | 7.33 a. m. | 8.01 a. m. | .05 | .17 | .41 | .58 | .78 | .95 | 1.02 | | | | | | | | |
| Aug. 23 | 10.02 p. m. | [3] D. N. a. m. | 2.61 | 10.12 p. m. | 10.44 p. m. | .01 | .37 | .76 | 1.22 | 1.41 | 1.62 | 1.74 | 1.81 | | | | | | | |
| Aug. 28 | 3:57 p. m. | 4:17 p. m. | 1.05 | 3.57 p. m. | 4.15 p. m. | 0 | .26 | .70 | .96 | 1.05 | | | | | | | | | | |
| Sept. 15 | 2.05 p. m. | 3.00 p. m. | .58 | 2.11 p. m. | 2.18 p. m. | .02 | .33 | .46 | | | | | | | | | | | | |
| Wilmington, N. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 16 | 3.20 p. m. | 5.05 p. m. | 1.57 | 3.29 p. m. | 4.19 p. m. | .04 | .09 | .23 | .35 | .45 | .66 | .94 | 1.10 | 1.21 | 1.26 | 1.31 | | | | |
| June 25 | 12.24 p. m. | 1.55 p. m. | 1.01 | 12.51 p. m. | 1.08 p. m. | .05 | .18 | .40 | .76 | .77 | | | | | | | | | | |
| June 25 | 3.40 p. m. | 8.15 p. m. | 1.84 | 4.39 p. m. | 5.19 p. m. | .01 | .34 | .73 | .94 | 1.05 | 1.17 | 1.26 | 1.31 | 1.37 | | | | | | |
| June 30 | 3.38 p. m. | 5.55 p. m. | 1.44 | 3.45 p. m. | 4.20 p. m. | .01 | .10 | .21 | .51 | .78 | .98 | 1.20 | 1.31 | | | | | | | |
| July 23 | [2] 8.25 p. m. | 12.10 p. m. | 4.88 | 1.57 a. m. | 2.34 a. m. | .87 | .24 | .48 | .64 | .79 | .96 | 1.10 | 1.17 | 1.19 | | | | | | |
| July 25 | 7.35 p. m. | 11.20 a. m. | .72 | 10.29 a. m. | 10.38 a. m. | .30 | .22 | .39 | | | | | | | | | | | | |
| Aug. 24 | 2.10 p. m. | 3.04 p. m. | .51 | 2.52 p. m. | 3.02 p. m. | .05 | .19 | .45 | | | | | | | | | | | | |
| Oct. 19 | 9.40 a. m. | 2.20 p. m. | 1.74 | 11.20 a. m. | 12 noon. | .12 | .16 | .25 | .32 | .50 | .71 | .85 | 1.08 | 1.23 | | | | | | |
| Charleston, S. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| Mar. 3 | [1] 11.30 p. m. | 6.55 a. m. | 1.05 | 6.05 a. m. | 6.14 a. m. | .48 | .37 | .50 | | | | | | | | | | | | |
| June 15 | 7.35 a. m. | 12.55 p. m. | 2.04 | 11.27 a. m. | 12.07 p. m. | .14 | .10 | .35 | .55 | .78 | 1.14 | 1.34 | 1.60 | 1.81 | | | | | | |
| June 27 | 12.14 p. m. | 4.45 p. m. | 3.47 | 12.41 p. m. | 2.05 p. m. | .01 | .06 | .27 | .57 | .72 | 1.00 | 1.19 | 1.46 | 1.69 | 1.93 | 2.14 | 2.57 | 3.09 | 3.23 | |
| June 30 | 8.55 p. m. | [3] D. N. a. m. | 1.17 | 8.59 p. m. | 9.18 p. m. | .01 | .22 | .56 | .80 | .91 | | | | | | | | | | |
| July 23 | 3.06 p. m. | 4.55 p. m. | .83 | 3.06 p. m. | 3.18 p. m. | 0 | .20 | .40 | .47 | | | | | | | | | | | |
| July 23 | 5.26 p. m. | 6.10 p. m. | .91 | 5.26 p. m. | 5.47 p. m. | 0 | .16 | .55 | .78 | .88 | .91 | | | | | | | | | |
| July 27 | D. N. a. m. | 7.46 a. m. | .62 | 3.20 a. m. | 3.33 a. m. | .01 | .16 | .34 | .41 | | | | | | | | | | | |
| Sept. 15 | 4.22 p. m. | 5.45 p. m. | 1.42 | 4.22 p. m. | 5.15 p. m. | 0 | .06 | .08 | .19 | .42 | .50 | .52 | .94 | 1.23 | 1.27 | 1.34 | 1.40 | | | |
| Columbia, S. C.:[1] | | | | | | | | | | | | | | | | | | | | |
| June 6 | 7.38 p. m. | [3] D. N. a. m. | 1.84 | 8.12 p. m. | 8.54 p. m. | .02 | .18 | .41 | .56 | .71 | .92 | 1.17 | 1.37 | 1.50 | 1.58 | | | | | |
| June 15 | 7.50 p. m. | 8.38 p. m. | .55 | 7.57 p. m. | 8.08 p. m. | .01 | .15 | .50 | .53 | | | | | | | | | | | |
| June 24 | 7.18 p. m. | 9.55 p. m. | .95 | 7.49 p. m. | 8.10 p. m. | .29 | .34 | .45 | .52 | .60 | .63 | | | | | | | | | |
| Aug. 1-2 | 11.35 p. m. | D. N. a. m. | 1.78 | 11.42 p. m. | 12.48 a. m. | .01 | .16 | .34 | .58 | .72 | .91 | 1.08 | 1.15 | 1.17 | 1.25 | 1.29 | 1.43 | 1.70 | | |
| Aug. 29 | 12.15 p. m. | 3.30 p. m. | 1.20 | 12.42 p. m. | 1.08 p. m. | .01 | .36 | .56 | .68 | .83 | .91 | .96 | | | | | | | | |
| Augusta, Ga.:[1] | | | | | | | | | | | | | | | | | | | | |
| Feb. 28[3] | 7.50 p. m. | [3] D. N. a. m. | 1.48 | 11.30 p. m. | 11.55 p. m. | T. | .41 | .66 | .73 | .81 | .87 | | | | | | | | | |
| June 6 | 8.50 p. m. | D. N. p. m. | 1.12 | 9.00 p. m. | 9.26 p. m. | .02 | .14 | .42 | .51 | .58 | .97 | 1.00 | | | | | | | | |
| June 15 | 12.20 a. m. | 5.00 a. m. | 1.73 | 1.42 a. m. | 1.55 a. m. | .36 | .26 | .41 | .48 | | | | | | | | | | | |
| June 15 | 7.25 p. m. | 9.40 p. m. | 1.05 | 7.32 p. m. | 7.57 p. m. | .01 | .25 | .53 | .59 | .67 | .90 | | | | | | | | | |
| June 23 | 5.00 p. m. | 7.10 p. m. | 1.28 | 5.51 p. m. | 6.33 p. m. | .33 | .19 | .37 | .48 | .59 | .67 | .71 | .76 | .87 | .90 | | | | | |
| July 4 | 5.20 p. m. | 7.25 p. m. | 1.32 | 5.23 p. m. | 5.56 p. m. | .01 | .12 | .29 | .47 | .54 | .86 | 1.16 | 1.23 | | | | | | | |
| July 6 | 7.10 p. m. | [3] D. N. a. m. | 1.05 | 8.11 p. m. | 8.31 p. m. | .23 | .20 | .35 | .51 | .59 | | | | | | | | | | |
| Aug. 13 | 5.10 p. m. | 8.15 p. m. | .90 | 5.14 p. m. | 5.31 p. m. | .01 | .21 | .55 | .73 | .80 | | | | | | | | | | |
| Sept. 14 | 6.50 p. m. | D. N. p. m. | 2.09 | 7.41 p. m. | 8.21 p. m. | .05 | .16 | .36 | .52 | .70 | .89 | 1.00 | 1.08 | 1.20 | 1.22 | | | | | |
| Sept. 14 | 6.50 p. m. | D. N. p. m. | 2.09 | 9.59 p. m. | 10.07 p. m. | 1.72 | .20 | .33 | | | | | | | | | | | | |
| Savannah, Ga.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 23 | 9.06 a. m. | 12.08 p. m. | 1.20 | 9.20 a. m. | 9.49 a. m. | .01 | .26 | .59 | .79 | .86 | .99 | 1.13 | | | | | | | | |
| June 28 | 12.33 p. m. | 1.50 p. m. | .65 | 12.41 p. m. | 1.01 p. m. | .01 | .27 | .44 | .55 | .60 | | | | | | | | | | |
| July 6 | 7.12 a. m. | 11.10 a. m. | 1.81 | 7.46 a. m. | 8.18 a. m. | .02 | .34 | .70 | .92 | 1.13 | 1.42 | 1.52 | 1.58 | | | | | | | |
| July 22 | 2.53 p. m. | 5.20 p. m. | .88 | 2.59 p. m. | 3.15 p. m. | .05 | .15 | .40 | .60 | .63 | | | | | | | | | | |
| Aug. 24 | 4.13 p. m. | 5.26 p. m. | 1.84 | 4.18 p. m. | 5.18 p. m. | .01 | .19 | .50 | .57 | .58 | .70 | .89 | 1.05 | 1.13 | 1.27 | 1.39 | 1.81 | | | |
| Aug. 28 | 2.54 p. m. | 6.30 p. m. | 1.95 | 3.33 p. m. | 4.37 p. m. | .01 | .08 | .12 | .32 | .62 | .79 | 1.00 | 1.09 | 1.25 | 1.40 | 1.54 | 1.76 | 1.88 | | |
| Jacksonville, Fla.:[1] | | | | | | | | | | | | | | | | | | | | |
| June 24 | 11.54 a. m. | 2.25 p. m. | 1.07 | 11.56 a. m. | 12.36 p. m. | .01 | .30 | .37 | .39 | .39 | .41 | .78 | .92 | 1.02 | | | | | | |
| June 29 | 3.43 p. m. | 5.15 p. m. | .88 | 4.05 p. m. | 4.27 p. m. | .03 | .27 | .43 | .59 | .73 | .79 | | | | | | | | | |
| July 11 | 12.40 p. m. | 1.55 p. m. | 1.22 | 12.55 p. m. | 1.32 p. m. | .01 | .14 | .23 | .30 | .58 | .85 | 1.03 | 1.15 | 1.17 | | | | | | |
| Aug. 18 | 9.28 a. m. | 11.00 a. m. | .72 | 9.37 a. m. | 9.47 a. m. | .01 | .13 | .41 | | | | | | | | | | | | |
| Sept. 8 | 12.13 p. m. | 3.12 p. m. | .64 | 1.15 p. m. | 1.24 p. m. | .15 | .21 | .39 | | | | | | | | | | | | |
| Sept. 9 | 2.00 p. m. | 4.00 p. m. | .82 | 2.12 p. m. | 2.24 p. m. | .01 | .21 | .57 | .71 | | | | | | | | | | | |
| Dec. 21 | D. N. a. m. | [3] D. N. a. m. | 4.71 | 9.02 a. m. | 9.20 a. m. | 1.74 | .24 | .41 | .46 | .51 | | | | | | | | | | |
| Dec. 21 | D. N. a. m. | [3] D. N. a. m. | 4.71 | 1.38 p. m. | 1.56 p. m. | 3.72 | .21 | .36 | .50 | .56 | | | | | | | | | | |

[1] Only the more important storms are recorded. [2] On previous date. [3] On following date.

| 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. | | | | | | | | | | | | | | | | | | | | |
| Miami, Fla.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 29 | D. N. p. m. | D. N. p. m. | 0.40 | 10.45 p. m. | 10.55 p. m. | 0.01 | 0.29 | 0.38 | | | | | | | | | | | | |
| June 16 | 1.23 p. m. | 4.00 p. m. | 2.33 | 1.53 p. m. | 3.09 p. m. | .01 | .22 | .45 | 0.62 | 0.69 | 0.76 | 0.78 | 0.88 | 1.11 | 1.37 | 1.53 | 1.70 | 1.99 | | |
| June 18 | D. N. a. m. | D. N. a. m. | 1.07 | 1.56 a. m. | 2.30 a. m. | .03 | .06 | .17 | .44 | .57 | .68 | .80 | .93 | | | | | | | |
| June 29 | D. N. a. m. | 6.15 a. m. | 1.24 | 5.29 a. m. | 6.04 a. m. | .10 | .30 | .48 | .79 | .95 | .95 | .97 | 1.14 | | | | | | | |
| July 7 | 11.58 a. m. | 12.50 p. m. | .76 | 12 noon. | 12.25 p. m. | .01 | .19 | .31 | .49 | .59 | .68 | | | | | | | | | |
| Aug. 4 | 10.03 a. m. | 12.50 p. m. | 1.30 | 10.20 a. m. | 10.46 a. m. | .08 | .17 | .41 | .76 | 1.00 | 1.13 | 1.16 | | | | | | | | |
| Aug. 25 | 12.35 p. m. | 9.25 p. m. | 6.01 | 12.49 p. m. | 1.39 p. m. | .02 | .08 | .18 | .28 | .47 | .71 | .82 | 1.00 | 1.24 | 1.41 | 1.63 | | | | |
| | | | | 1.39 p. m. | 2.29 p. m. | | 1.93 | 2.26 | 2.46 | 2.60 | 2.77 | 3.10 | 3.35 | 3.58 | 3.78 | 3.88 | | | | |
| | | | | 2.29 p. m. | 3.19 p. m. | | 4.07 | 4.25 | 4.44 | 4.59 | 4.76 | 4.88 | 4.94 | 4.97 | 5.04 | 5.16 | | | | |
| | | | | 3.19 p. m. | 3.35 p. m. | | 5.26 | 5.33 | 5.41 | 5.45 | | | | | | | | | | |
| Sept. 30 | 3.15 p. m. | 6.45 p. m. | .92 | 3.22 p. m. | 3.46 p. m. | .01 | .16 | .31 | .65 | .81 | .87 | | | | | | | | | |
| Oct. 24 | 9.00 p. m. | 9.45 p. m. | .62 | 9.00 p. m. | 9.13 p. m. | 0 | .24 | .53 | .61 | | | | | | | | | | | |
| Key West, Fla.:[1] | | | | | | | | | | | | | | | | | | | | |
| Jan. 5 | D. N. a. m. | D. N. a. m. | .56 | 4.28 a. m. | 4.42 a. m. | .04 | .12 | .39 | .52 | | | | | | | | | | | |
| June 13 | 9.29 a. m. | 10.30 a. m. | .98 | 9.42 a. m. | 10.10 a. m. | .02 | .21 | .48 | .65 | .81 | .90 | .95 | | | | | | | | |
| July 10 | 5.00 p. m. | 7.15 p. m. | 1.02 | 5.28 p. m. | 5.51 p. m. | .01 | .18 | .41 | .66 | .82 | .88 | | | | | | | | | |
| July 24 | 9.09 a. m. | 9.45 a. m. | .54 | 9.15 a. m. | 9.29 a. m. | .02 | .23 | .44 | .50 | | | | | | | | | | | |
| July 28 | [2]D. N. p. m. | 12.50 p. m. | 7.26 | 3.01 a. m. | 3.16 a. m. | .24 | .25 | .47 | .53 | | | | | | | | | | | |
| July 28 | [2]D. N. p. m. | 12.50 p. m. | 7.26 | 3.48 a. m. | 4.38 a. m. | .90 | .16 | .34 | .53 | .62 | .68 | .80 | .93 | 1.07 | 1.24 | 1.51 | | | | |
| | | | | 4.38 a. m. | 5.28 a. m. | | 1.67 | 1.93 | 2.12 | 2.19 | 2.29 | 2.35 | 2.44 | 2.49 | 2.51 | 2.51 | | | | |
| | | | | 5.28 a. m. | 6.18 a. m. | | 2.54 | 2.60 | 2.62 | 2.87 | 3.09 | 3.25 | 3.33 | 3.55 | 3.66 | 3.75 | | | | |
| | | | | 6.18 a. m. | 7.08 a. m. | | 3.77 | 3.78 | 3.80 | 3.84 | 3.89 | 3.93 | 3.99 | 4.06 | 4.14 | 4.25 | | | | |
| | | | | 7.08 a. m. | 7.58 a. m. | | 4.41 | 4.51 | 4.60 | 4.69 | 4.81 | 4.95 | 5.04 | 5.11 | 5.16 | 5.19 | | | | |
| | | | | 7.58 a. m. | 8.32 a. m. | | 5.21 | 5.25 | 5.38 | 5.46 | 5.60 | 5.77 | 5.83 | | | | | | | |
| Aug. 1 | 3.40 p. m. | 6.20 p. m. | .48 | 5.05 p. m. | 5.18 p. m. | .01 | .22 | .37 | .43 | | | | | | | | | | | |
| Aug. 8 | 7.25 a. m. | 3.15 p. m. | 1.53 | 10.23 a. m. | 10.53 a. m. | .10 | .19 | .35 | .52 | .64 | .84 | 1.08 | | | | | | | | |
| Aug. 15 | 6.20 p. m. | 6.35 p. m. | .38 | 6.23 p. m. | 6.31 p. m. | .01 | .26 | .37 | | | | | | | | | | | | |
| Sept. 4 | 5.40 p. m. | 7.05 p. m. | .78 | 6.13 p. m. | 6.30 p. m. | .02 | .17 | .48 | .70 | .74 | | | | | | | | | | |
| Sept. 15 | D. N. p. m. | D. N. p. m. | .59 | 10.27 p. m. | 10.43 p. m. | .01 | .22 | .40 | .49 | .55 | | | | | | | | | | |
| Sept. 17 | D. N. p. m. | D. N. p. m. | .64 | 11.16 p. m. | 11.37 p. m. | .01 | .21 | .40 | .52 | .58 | .61 | | | | | | | | | |
| Oct. 1 | 10.35 a. m. | 12.35 p. m. | 1.25 | 11.37 a. m. | 12.11 p. m. | .11 | .08 | .13 | .28 | .52 | .86 | 1.08 | 1.14 | | | | | | | |
| Sand Key, Fla.:[1] | | | | | | | | | | | | | | | | | | | | |
| Mar. 8 | 12.21 p. m. | 4.20 p. m. | .53 | 12.27 p. m. | 12.39 p. m. | .01 | .30 | .35 | .38 | | | | | | | | | | | |
| May 28 | 6.20 a. m. | 9.23 a. m. | .86 | 7.39 a. m. | 8.03 a. m. | .07 | .20 | .39 | .50 | .57 | .68 | | | | | | | | | |
| July 24 | 9.37 p. m. | 10.55 p. m. | .85 | 9.48 p. m. | 10.22 p. m. | .01 | .17 | .31 | .51 | .68 | .70 | .75 | .83 | | | | | | | |
| July 27 | 1.55 p. m. | 3.55 p. m. | .62 | 2.11 p. m. | 2.28 p. m. | .02 | .27 | .41 | .54 | .58 | | | | | | | | | | |
| July 28 | 1.25 a. m. | 12.05 p. m. | 3.41 | 7.57 a. m. | 8.05 a. m. | 2.45 | .20 | .38 | | | | | | | | | | | | |
| Tampa, Fla:[1] | | | | | | | | | | | | | | | | | | | | |
| Feb. 24 | 7.20 a. m. | 7.55 a. m. | .39 | 7.35 a. m. | 7.46 a. m. | .02 | .27 | .36 | .37 | | | | | | | | | | | |
| Mar. 3 | 9.54 a. m. | 11.00 a. m. | .62 | 10.03 a. m. | 10.18 a. m. | .01 | .31 | .50 | .58 | | | | | | | | | | | |
| June 8 | 7.08 a. m. | 9.28 a. m. | 1.33 | 7.30 a. m. | 8.12 a. m. | .08 | .20 | .37 | .53 | .70 | .83 | .91 | 1.01 | 1.13 | 1.18 | | | | | |
| June 18 | 5.45 p. m. | 6.28 p. m. | 1.15 | 5.48 p. m. | 6.14 p. m. | .01 | .38 | .71 | .83 | 1.01 | 1.09 | 1.12 | | | | | | | | |
| July 11 | 4.00 p. m. | 8.10 p. m. | 1.82 | 4.06 p. m. | 5.04 p. m. | .01 | .05 | .10 | .19 | .22 | .30 | .57 | .83 | 1.01 | 1.18 | 1.39 | 1.60 | | | |
| July 25 | 5.52 p. m. | 7.02 p. m. | .46 | 5.54 p. m. | 6.09 p. m. | .01 | .25 | .37 | .42 | | | | | | | | | | | |
| July 26 | 4.05 p. m. | D. N. p. m. | .78 | 4.15 p. m. | 4.35 p. m. | .01 | .28 | .49 | .63 | .70 | | | | | | | | | | |
| July 27 | 3.29 p. m. | 7.55 p. m. | .69 | 3.31 p. m. | 3.49 p. m. | .01 | .15 | .38 | .51 | .59 | | | | | | | | | | |
| Aug. 4 | 4.55 p. m. | 8.15 p. m. | 1.67 | 5.02 p. m. | 6.19 p. m. | .01 | .16 | .39 | .52 | .65 | .73 | .87 | 1.00 | 1.10 | 1.15 | 1.19 | 1.25 | 1.48 | | |
| Aug. 6 | 2.20 p. m. | 4.45 p. m. | 1.64 | 2.39 p. m. | 3.39 p. m. | .02 | .19 | .43 | .52 | .56 | .58 | .63 | .73 | .84 | .98 | 1.24 | 1.50 | | | |
| Aug. 9 | 2.02 p. m. | 6.05 p. m. | 1.88 | 2.06 p. m. | 2.46 p. m. | .01 | .05 | .30 | .73 | 1.07 | 1.31 | 1.55 | 1.66 | 1.71 | | | | | | |
| Sept. 8 | 2.14 p. m. | 2.33 p. m. | .36 | 2.18 p. m. | 2.26 p. m. | .01 | .31 | .34 | | | | | | | | | | | | |
| Sept. 8 | 3.39 p. m. | 5.20 p. m. | 1.15 | 3.41 p. m. | 3.49 p. m. | .02 | .29 | .36 | | | | | | | | | | | | |
| Sept. 8 | 3.39 p. m. | 5.20 p. m. | 1.15 | 4.41 p. m. | 4.55 p. m. | .39 | .36 | .63 | .76 | | | | | | | | | | | |
| EAST GULF STATES. | | | | | | | | | | | | | | | | | | | | |
| Atlanta, Ga.:[1] | | | | | | | | | | | | | | | | | | | | |
| June 6[4] | 2.18 p. m. | 3.30 p. m. | .61 | 3.13 p. m. | 3.21 p. m. | .25 | .26 | .36 | | | | | | | | | | | | |
| June 12 | 1.58 p. m. | 2.10 p. m. | .32 | 1.58 p. m. | 2.03 p. m. | 0 | .31 | | | | | | | | | | | | | |
| Aug. 14 | 2.43 p. m. | 7.35 p. m. | .62 | 2.47 p. m. | 2.55 p. m. | .01 | .25 | .39 | | | | | | | | | | | | |
| Macon, Ga.:[1] | | | | | | | | | | | | | | | | | | | | |
| Feb. 9 | 2.44 p. m. | 3.02 p. m. | .31 | 2.50 p. m. | 2.56 p. m. | .01 | .27 | .30 | | | | | | | | | | | | |
| June 22 | 7.36 p. m. | [3]D. N. a. m. | 1.18 | 7.46 p. m. | 8.15 p. m. | .03 | .08 | .14 | .27 | .63 | .90 | .99 | | | | | | | | |
| July 3 | 2.49 p. m. | 3.10 p. m. | .60 | 2.49 p. m. | 3.09 p. m. | 0 | .18 | .26 | .52 | .59 | | | | | | | | | | |
| July 6 | 2.03 p. m. | 3.55 p. m. | 1.44 | 2.49 p. m. | 3.10 p. m. | .34 | .23 | .67 | .96 | 1.06 | 1.09 | | | | | | | | | |
| July 10 | 12.29 p. m. | 1.35 p. m. | .66 | 12.29 p. m. | 12.42 p. m. | 0 | .21 | .43 | .52 | | | | | | | | | | | |
| July 18 | 12.42 p. m. | 3.20 p. m. | 3.35 | 12.42 p. m. | 1.45 p. m. | 0 | .21 | .35 | .47 | .60 | .74 | 1.18 | 1.80 | 2.31 | 2.70 | 2.88 | 3.11 | 3.32 | | |
| Aug. 4 | 5.29 p. m. | 6.22 p. m. | .70 | 5.32 p. m. | 5.52 p. m. | .01 | .21 | .40 | .53 | .60 | | | | | | | | | | |
| Thomasville, Ga.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 8 | 6.50 p. m. | 7.35 p. m. | .39 | 7.14 p. m. | 7.24 p. m. | .04 | .23 | .34 | | | | | | | | | | | | |
| June 4 | 4.35 p. m. | 6.20 p. m. | 1.22 | 5.04 p. m. | 5.37 p. m. | .02 | .37 | .69 | .85 | .88 | .90 | 1.06 | 1.17 | | | | | | | |
| July 9 | 4.10 a. m. | 8.44 a. m. | 1.84 | 5.51 a. m. | 6.54 a. m. | .07 | .07 | .11 | .15 | .20 | .33 | .39 | .48 | .68 | .89 | 1.11 | 1.44 | 1.59 | | |
| July 26 | 2.39 p. m. | 4.40 p. m. | .79 | 2.42 p. m. | 2.54 p. m. | .01 | .21 | .42 | .45 | | | | | | | | | | | |
| Sept. 10 | 12.52 p. m. | 3.20 p. m. | .52 | 1.40 p. m. | 1.54 p. m. | .07 | .24 | .36 | .44 | | | | | | | | | | | |
| Oct. 18 | 8.20 a. m. | 4.32 p. m. | 4.22 | 12.26 p. m. | 1.16 p. m. | .55 | .07 | .14 | .20 | .28 | .33 | .38 | .43 | .49 | .64 | .78 | | | | |
| | | | | 1.16 p. m. | 2.06 p. m. | | .86 | .91 | .95 | .97 | 1.07 | 1.16 | 1.27 | 1.41 | 1.62 | 1.77 | | | | |
| | | | | 2.06 p. m. | 2.50 p. m. | | 1.89 | 2.13 | 2.34 | 2.52 | 2.60 | 2.76 | 2.83 | 2.88 | 2.93 | | | | | |
| Dec. 8 | 3.42 p. m. | 5.35 p. m. | 1.30 | 4.40 p. m. | 5.25 p. m. | .10 | .15 | .22 | .39 | .47 | .65 | .85 | .94 | 1.03 | 1.19 | | | | | |
| Pensacola, Fla.:[1] | | | | | | | | | | | | | | | | | | | | |
| Apr. 20 | 9.15 p. m. | [3]3.15 a. m. | 2.12 | 9.29 p. m. | 10.05 p. m. | .01 | .10 | .21 | .38 | .66 | .78 | .86 | .96 | 1.00 | | | | | | |
| June 13 | 12.50 p. m. | 4.50 p. m. | 2.45 | 1.12 p. m. | 2.19 p. m. | .01 | .07 | .12 | .18 | .48 | .78 | 1.22 | 1.56 | 1.78 | 1.91 | 2.00 | 2.20 | 2.39 | | |
| July 8 | 8.35 a. m. | 9.45 a. m. | 1.28 | 9.07 a. m. | 9.27 a. m. | .02 | .19 | .60 | .97 | 1.24 | | | | | | | | | | |
| July 8 | 6.00 p. m. | 7.40 p. m. | 1.57 | 6.55 p. m. | 7.29 p. m. | .05 | .06 | .15 | .30 | .51 | .85 | 1.23 | 1.52 | | | | | | | |
| July 20 | 9.30 p. m. | [3]5.15 a. m. | .85 | 11.31 p. m. | 11.46 p. m. | .18 | .12 | .35 | .45 | | | | | | | | | | | |
| July 27 | 2.00 p. m. | 2.40 p. m. | .65 | 2.15 p. m. | 2.27 p. m. | .01 | .34 | .58 | .64 | | | | | | | | | | | |
| Aug. 6 | 4.50 p. m. | 9.55 p. m. | 1.57 | 5.15 p. m. | 6.07 p. m. | .02 | .13 | .28 | .36 | .46 | .52 | .60 | .66 | .84 | 1.04 | 1.19 | 1.27 | | | |

[1] Only the more important storms are recorded.
[2] On previous date.
[3] On following date.
[4] Record defective.

| Station and date. | Total duration. From— | Total duration. To— | Total amount of precipitation (inches). | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive rate began (inches). | Accumulated amounts of precipitation (in inches) during periods of time indicated. 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. | | | | | | | | | | | | | | | | | | | | |
| Pensacola, Fla.—Continued. | | | | | | | | | | | | | | | | | | | | |
| Aug. 8 | 5.35 a. m. | 1.50 p. m. | 3.08 | 6.41 a. m. | 7.12 a. m. | 0.25 | 0.27 | 0.65 | 1.00 | 1.38 | 1.81 | 1.90 | 1.9[illegible] | | | | | | | |
| Sept. 2 | 9.25 p. m. | 10.40 p. m. | .80 | 9.47 p. m. | 10.06 p. m. | .02 | .09 | .33 | .51 | .67 | | | | | | | | | | |
| Nov. 23 | [1]10.20 p. m. | 4.35 a. m. | 1.32 | 12.54 a. m. | 1.27 a. m. | .11 | .32 | .59 | .66 | .78 | .82 | .92 | .97 | | | | | | | |
| Nov. 28 | 12.50 a. m. | 10.20 a. m. | 1.29 | 7.52 a. m. | 8.08 a. m. | .67 | .11 | .34 | .50 | .51 | | | | | | | | | | |
| Dec. 7 | 10.15 a. m. | 5.45 p. m. | 2.48 | 3.05 p. m. | 3.20 p. m. | 1.14 | .31 | .83 | 1.04 | | | | | | | | | | | |
| Dec. 20 | 3.50 a. m. | 10.05 a. m. | 2.60 | 8.14 a. m. | 8.40 a. m. | 1.33 | .08 | .39 | .63 | .94 | 1.03 | 1.08 | | | | | | | | |
| Dec. 24 | 3.15 p. m. | 8.50 p. m. | .84 | 4.40 p. m. | 4.52 p. m. | .16 | .24 | .42 | .47 | | | | | | | | | | | |
| Anniston, Ala.:[2] | | | | | | | | | | | | | | | | | | | | |
| July 5 | 12.55 p. m. | 1.45 p. m. | .50 | 12.55 p. m. | 1.08 p. m. | 0 | .22 | .37 | .44 | | | | | | | | | | | |
| July 12 | 3.23 p. m. | 6.38 p. m. | .79 | 3.32 p. m. | 3.55 p. m. | .02 | .23 | .39 | .54 | .66 | .69 | | | | | | | | | |
| Aug. 12 | 6.30 p. m. | D. N. p. m. | 1.15 | 6.32 p. m. | 6.59 p. m. | .01 | .19 | .40 | .66 | .79 | .89 | .94 | | | | | | | | |
| Aug. 18 | 3.41 p. m. | 4.35 p. m. | .66 | 4.04 p. m. | 4.18 p. m. | .01 | .40 | .57 | .61 | | | | | | | | | | | |
| Sept. 28 | 3.08 p. m. | 5.20 p. m. | 1.26 | 4.12 p. m. | 4.57 p. m. | .11 | .17 | .43 | .47 | .48 | .53 | .70 | .79 | .86 | 1.14 | | | | | |
| Birmingham, Ala.:[2] | | | | | | | | | | | | | | | | | | | | |
| May 21 | 2.24 p. m. | 2.50 p. m. | .32 | 2.27 p. m. | 2.32 p. m. | .01 | .29 | .31 | | | | | | | | | | | | |
| July 7 | 8.58 p. m. 5th. | 11.32 a. m. | 10.12 | 8.30 a. m. | 9.20 a. m. | 7.53 | .08 | .29 | .46 | .50 | .56 | .63 | .77 | .99 | 1.08 | 1.13 | | | | |
| | | | | 9.20 a. m. | 10.10 a. m. | | 1.17 | 1.21 | 1.24 | 1.29 | 1.43 | 1.63 | 1.69 | 1.76 | 1.84 | 1.94 | | | | |
| | | | | 10.10 a. m. | 10.46 a. m. | | 2.00 | 2.13 | 2.23 | 2.32 | 2.37 | 2.44 | 2.49 | 2.52 | | | | | | |
| July 16 | 7.48 p. m. | D. N. p. m. | .76 | 7.50 p. m. | 8.13 p. m. | .01 | .17 | .38 | .56 | .64 | .69 | | | | | | | | | |
| July 17 | D. N. a. m. | 7.17 a. m. | 1.74 | 3.41 a. m. | 4.21 a. m. | .02 | .11 | .34 | .80 | 1.17 | 1.29 | 1.41 | 1.51 | 1.59 | | | | | | |
| Aug. 2 | 3.00 p. m. | 5.25 p. m. | .82 | 4.00 p. m. | 4.25 p. m. | .03 | .08 | .19 | .42 | .59 | .66 | | | | | | | | | |
| Aug. 6 | 2.49 p. m. | 4.40 p. m. | .64 | 4.15 p. m. | 4.25 p. m. | .24 | .24 | .39 | | | | | | | | | | | | |
| Sept. 18 | 12.41 p. m. | 2.15 p. m. | .75 | 12.47 p. m. | 12.58 p. m. | .01 | .21 | .39 | .40 | | | | | | | | | | | |
| Dec. 28 | 5.42 a. m. | 7.55 a. m. | 1.29 | 5.49 a. m. | 6.20 a. m. | .01 | .11 | .19 | .28 | .55 | .76 | .80 | .89 | | | | | | | |
| Mobile, Ala.:[2] | | | | | | | | | | | | | | | | | | | | |
| Apr. 21 | [1]3.10 p. m. | D. N. a. m. | 3.73 | 12.17 a. m. | 12.52 a. m. | 2.07 | .12 | .38 | .69 | .97 | 1.17 | 1.37 | 1.48 | | | | | | | |
| May 16 | D. N. a. m. | 6.25 a. m. | 1.97 | 1.00 a. m. | 1.25 a. m. | .04 | .18 | .51 | .72 | .81 | .87 | | | | | | | | | |
| June 28 | 3.28 p. m. | 6.10 p. m. | 1.27 | 3.32 p. m. | 4.10 p. m. | .01 | .10 | .16 | .32 | .53 | .84 | 1.04 | 1.15 | 1.19 | | | | | | |
| July 5 | D. N. a. m. | [3]11.45 a. m. | 8.55 | 10.11 p. m. | 11.01 p. m. | 4.34 | .05 | .12 | .19 | .25 | .28 | .32 | .37 | .40 | .51 | .61 | | | | |
| | | | | 11.01 p. m. | 11.51 p. m. | | .73 | .79 | .90 | .92 | .94 | .96 | 1.04 | 1.18 | 1.42 | 1.47 | | | | |
| | | | | 11.51 p. m. | [3]12.35 a. m. | | 1.48 | 1.49 | 1.49 | 1.51 | 1.62 | 1.72 | 1.84 | 2.03 | 2.12 | | | | | |
| July 7 | D. N. a. m. | 6.42 p. m. | 4.99 | 12.33 p. m. | 1.52 p. m. | 1.49 | .07 | .18 | .24 | .32 | .46 | .54 | .66 | .90 | 1.20 | 1.50 | 2.28 | 3.16 | | |
| July 14 | 12.43 p. m. | 4.50 p. m. | 2.10 | 12.48 p. m. | 1.13 p. m. | .01 | .11 | .29 | .50 | .78 | .98 | | | | | | | | | |
| July 14 | 12.43 p. m. | 4.50 p. m. | 2.10 | 1.48 p. m. | 2.10 p. m. | 1.02 | .18 | .48 | .80 | 1.04 | 1.06 | | | | | | | | | |
| July 23 | 12.51 p. m. | 4.05 p. m. | .93 | 1.04 p. m. | 1.31 p. m. | .04 | .25 | .42 | .61 | .70 | .83 | .87 | | | | | | | | |
| Aug. 24 | 12.59 p. m. | 1.52 p. m. | .45 | 1.05 p. m. | 1.19 p. m. | .03 | .22 | .34 | .39 | | | | | | | | | | | |
| Sept. 2 | 8.03 p. m. | [3]D. N. a. m. | 2.96 | 10.16 p. m. | 10.44 p. m. | .97 | .28 | .68 | 1.23 | 1.57 | 1.82 | 1.90 | | | | | | | | |
| Sept. 10 | 11.40 a. m. | [3]D. N. a. m. | 1.08 | 12.55 a. m. | 1.27 p. m. | .03 | .22 | .40 | .49 | .56 | .64 | .69 | .71 | | | | | | | |
| Oct. 17 | D. N. a. m. | [3]D. N. a. m. | 2.00 | 3.42 a. m. | 4.12 a. m. | .04 | .21 | .45 | .76 | 1.03 | 1.21 | 1.27 | | | | | | | | |
| Dec. 18 | D. N. a. m. | D. N. a. m. | .43 | 12.51 a. m. | 12.58 a. m. | .01 | .27 | .39 | | | | | | | | | | | | |
| Montgomery, Ala.:[2] | | | | | | | | | | | | | | | | | | | | |
| Jan. 31 | 6.25 p. m. | [3]D. N. a. m. | 1.72 | 7.24 p. m. | 7.43 p. m. | .37 | .07 | .35 | .46 | .54 | | | | | | | | | | |
| Feb. 28 | 7.10 p. m. | D. N. p. m. | 1.62 | 9.41 p. m. | 10.17 p. m. | .12 | .33 | .60 | .68 | .82 | .97 | 1.26 | 1.35 | 1.39 | | | | | | |
| Mar. 26 | [1]5.55 p. m. | D. N. a. m. | 1.87 | 12.14 a. m. | 12.46 a. m. | .32 | .07 | .13 | .21 | .42 | .71 | .93 | 1.04 | | | | | | | |
| June 26 | 2.12 p. m. | 3.35 p. m. | .71 | 2.27 p. m. | 2.44 p. m. | .01 | .25 | .51 | .63 | .66 | | | | | | | | | | |
| June 28 | 3.01 p. m. | 5.05 p. m. | .36 | 3.12 p. m. | 3.20 p. m. | .02 | .26 | .32 | | | | | | | | | | | | |
| July 15 | 6.35 p. m. | 10.30 p. m. | 1.48 | 7.58 p. m. | 8.37 p. m. | .60 | .21 | .40 | .54 | .65 | .70 | .74 | .79 | .86 | | | | | | |
| Aug. 6 | 3.55 p. m. | 4.15 p. m. | .63 | 3.57 p. m. | 4.07 p. m. | .01 | .35 | .60 | | | | | | | | | | | | |
| Meridian, Miss.:[2] | | | | | | | | | | | | | | | | | | | | |
| Jan. 12[4] | 4.30 p. m. | 9.30 p. m. | .79 | 4.54 p. m. | 5.04 p. m. | .01 | .24 | .38 | | | | | | | | | | | | |
| Jan. 21 | 8.40 p. m. | [3]6.30 a. m. | 2.07 | 8.58 p. m. | 9.38 p. m. | .01 | .28 | .39 | .45 | .53 | .59 | .70 | .79 | .84 | | | | | | |
| Apr. 16[4] | 10.07 a. m. | 2.30 p. m. | .80 | 10.16 a. m. | 10.31 a. m. | .07 | .20 | .43 | .51 | | | | | | | | | | | |
| May 3[4] | [1]8.50 p. m. | 8.40 a. m. | 1.75 | 12.43 a. m. | 12.53 a. m. | .19 | .33 | .45 | | | | | | | | | | | | |
| May 3 | 7.15 p. m. | 9.10 p. m. | .43 | 7.38 p. m. | 8.00 p. m. | .01 | .31 | .38 | .41 | | | | | | | | | | | |
| June 27 | 10.52 a. m. | 11.45 a. m. | 1.03 | 10.53 a. m. | 11.17 a. m. | T. | .24 | .57 | .74 | .90 | 1.01 | | | | | | | | | |
| July 20[4] | 12.36 p. m. | 4.30 p. m. | 1.29 | 12.40 p. m. | 1.14 p. m. | .01 | .09 | .33 | .49 | .64 | .77 | .83 | .88 | | | | | | | |
| Aug. 2 | 12.09 p. m. | 12.55 p. m. | .56 | 12.10 p. m. | 12.23 p. m. | T. | [5].29 | .47 | .52 | | | | | | | | | | | |
| Nov. 22[4] | 1.54 p. m. | [3]D. N. a. m. | 2.08 | 7.33 p. m. | 8.52 p. m. | .22 | .09 | .19 | .40 | .67 | .77 | .87 | .96 | 1.04 | 1.17 | 1.26 | 1.37 | 1.60 | | |
| Dec. 28[4] | [1]7.45 p. m. | 7.50 a. m. | 1.69 | 5.02 a. m. | 5.46 a. m. | .24 | .20 | .36 | .40 | .52 | .78 | .94 | 1.02 | 1.21 | 1.31 | | | | | |
| Vicksburg, Miss.:[2] | | | | | | | | | | | | | | | | | | | | |
| Jan. 12 | 9.25 a. m. | 10.05 a. m. | .61 | 9.41 a. m. | 9.52 a. m. | .05 | .24 | .45 | .51 | | | | | | | | | | | |
| Mar. 25 | 10.50 a. m. | 2.10 p. m. | 1.46 | 11.00 a. m. | 11.22 a. m. | .02 | .11 | .37 | .60 | .73 | .77 | | | | | | | | | |
| May 2 | 2.49 p. m. | D. N. p. m. | 2.97 | 6.36 p. m. | 7.11 p. m. | 1.28 | .18 | .42 | .58 | .71 | .80 | .87 | .95 | | | | | | | |
| June 24 | D. N. a. m. | 9.20 a. m. | 2.17 | 6.50 a. m. | 7.12 a. m. | 1.01 | .11 | .40 | .55 | .68 | .73 | | | | | | | | | |
| July 11 | 8.02 p. m. | 9.45 p. m. | .81 | 8.05 p. m. | 8.24 p. m. | .01 | .12 | .42 | .59 | .66 | | | | | | | | | | |
| July 22 | 1.01 p. m. | 1.40 p. m. | .86 | 1.14 p. m. | 1.32 p. m. | .03 | .07 | .25 | .63 | .82 | | | | | | | | | | |
| Aug. 8 | 5.20 p. m. | 9.25 p. m. | 2.13 | 6.31 p. m. | 7.20 p. m. | .02 | .17 | .23 | .30 | .51 | .86 | 1.12 | 1.19 | 1.27 | 1.33 | 1.40 | | | | |
| Sept. 11 | 11.18 a. m. | 3.50 p. m. | 1.77 | 12.26 p. m. | 1.26 p. m. | .03 | .06 | .19 | .30 | .45 | .60 | .91 | 1.12 | 1.26 | 1.35 | 1.41 | 1.55 | | | |
| Sept. 25 | 6.51 p. m. | 10.30 p. m. | 1.80 | 6.53 p. m. | 7.14 p. m. | .01 | .33 | .65 | .93 | 1.32 | 1.39 | | | | | | | | | |
| Dec. 27 | D. N. a. m. | 7.10 a. m. | 2.12 | 3.49 a. m. | 4.32 a. m. | .21 | .36 | .51 | .71 | .85 | .88 | .94 | 1.20 | 1.53 | 1.68 | | | | | |
| New Orleans, La.:[2] | | | | | | | | | | | | | | | | | | | | |
| Jan. 12 | 6.18 p. m. | [3]D. N. a. m. | 1.02 | 6.20 p. m. | 6.34 p. m. | .01 | .30 | .54 | .64 | | | | | | | | | | | |
| Jan. 22 | [1]11.20 p. m. | D. N. a. m. | 1.51 | 12.29 a. m. | 12.56 a. m. | .01 | .11 | .17 | .53 | .76 | .95 | 1.00 | | | | | | | | |
| Feb. 1 | 6.30 a. m. | D. N. p. m. | 2.37 | 2.25 p. m. | 2.45 p. m. | .06 | .15 | .37 | .63 | .82 | | | | | | | | | | |
| May 21 | 8.15 a. m. | 12.15 p. m. | 1.90 | 10.12 a. m. | 10.44 a. m. | .15 | .11 | .20 | .40 | .86 | 1.23 | 1.52 | 1.59 | | | | | | | |
| May 21 | 10.25 p. m. | [3]6.30 a. m. | 2.40 | 10.45 p. m. | 11.37 p. m. | .12 | .05 | .10 | .27 | .58 | .74 | .93 | 1.08 | 1.31 | 1.44 | 1.55 | 1.63 | | | |
| June 12 | 11.39 a. m. | 1.25 p. m. | 1.57 | 12.21 p. m. | 12.46 p. m. | .07 | .20 | .52 | .90 | 1.31 | 1.38 | | | | | | | | | |
| June 25 | D. N. a. m. | 3.55 a. m. | 3.29 | 3.59 a. m. | 5.21 a. m. | .14 | .20 | .39 | .74 | 1.30 | 1.52 | 1.71 | 1.80 | 1.97 | 2.21 | 2.43 | 2.81 | 3.02 | 3.08 | |
| July 15 | 2.25 p. m. | 6.20 p. m. | 1.79 | 3.17 p. m. | 3.51 p. m. | .03 | .31 | .74 | 1.04 | 1.19 | 1.31 | 4.49 | 1.56 | | | | | | | |
| July 22 | 9.40 a. m. | 12.25 p. m. | .83 | 10.13 a. m. | 10.25 a. m. | .07 | .20 | .42 | .51 | | | | | | | | | | | |
| Sept. 4 | 3.16 p. m. | 4.20 p. m. | .66 | 3.16 p. m. | 3.35 p. m. | 0 | .22 | .40 | .59 | .64 | | | | | | | | | | |
| Oct. 8 | 1.35 p. m. | 4.00 p. m. | 1.85 | 1.50 p. m. | 2.09 p. m. | .07 | .18 | .49 | .83 | 1.12 | | | | | | | | | | |
| Oct. 16 | 11.55 a. m. | [6]6.45 a. m. | 5.67 | 8.24 p. m. | 8.54 p. m. | 1.04 | .24 | .54 | .66 | .84 | .98 | 1.03 | | | | | | | | |
| Dec. 14 | 12.15 p. m. | 4.05 p. m. | .93 | 12.32 p. m. | 12.40 p. m. | .01 | .34 | .58 | | | | | | | | | | | | |
| Dec. 24 | 7.55 a. m. | 10.15 a. m. | .68 | 8.11 a. m. | 8.31 a. m. | .03 | .24 | .40 | .44 | .56 | | | | | | | | | | |
| Dec. 25 | 2.10 p. m. | [3]D. N. a. m. | 2.66 | 3.19 p. m. | 3.56 p. m. | .15 | .14 | .28 | .78 | 1.30 | 1.68 | 1.96 | 2.09 | 2.12 | | | | | | |

[1] On previous date. [2] Only the more important storms are recorded. [3] On following date. [4] Record defective. [5] 18th.

| Station and date. | Total duration. From— | Total duration. To— | Total amount of precipitation (inches). | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive rate began (inches). | 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. | | | | | | | | | | | | | | | | | | | | |
| Shreveport, La.:[1] | | | | | | | | | | | | | | | | | | | | |
| Mar. 6 | 9.25 p.m. | 10.25 p.m. | 0.44 | 9.26 p.m. | 9.32 p.m. | 0.01 | 0.37 | 0.38 | | | | | | | | | | | | |
| June 24 | 4.00 a.m. | 5.50 a.m. | .90 | 4.23 a.m. | 4.39 a.m. | .07 | .19 | .36 | 0.51 | 0.57 | | | | | | | | | | |
| July 28 | 12.45 p.m. | 3.00 p.m. | 1.85 | 1.15 p.m. | 1.48 p.m. | .04 | .16 | .40 | .62 | .95 | 1.34 | 1.49 | 1.54 | | | | | | | |
| Bentonville, Ark.:[1] | | | | | | | | | | | | | | | | | | | | |
| Feb. 22 | 4.50 p.m. | 5.40 p.m. | .67 | 5.04 p.m. | 5.14 p.m. | .01 | .41 | .61 | | | | | | | | | | | | |
| June 11 | 5.00 a.m. | 8.10 a.m. | 1.16 | 5.04 a.m. | 5.21 a.m. | .01 | .36 | .65 | .80 | .85 | | | | | | | | | | |
| July 4 | 4.55 p.m. | 7.35 p.m. | 1.96 | 4.58 p.m. | 5.28 p.m. | .01 | .46 | .89 | 1.22 | 1.52 | 1.72 | 1.84 | | | | | | | | |
| July 28 | 3.42 p.m. | 4.35 p.m. | .98 | 3.44 p.m. | 4.06 p.m. | .01 | .44 | .80 | .85 | .92 | .94 | | | | | | | | | |
| Sept. 27 | 5.40 p.m. | 7.25 p.m. | .87 | 5.47 p.m. | 6.07 p.m. | .01 | .28 | .55 | .67 | .72 | | | | | | | | | | |
| Fort Smith, Ark.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 20 | 7.18 p.m. | [2]12.04 a.m. | 2.31 | 9.03 p.m. | 9.55 p.m. | .09 | .32 | .62 | .95 | 1.16 | 1.33 | 1.44 | 1.56 | 1.72 | 1.92 | 2.00 | 2.07 | | | |
| June 5 | 10.23 a.m. | 2.14 p.m. | 1.02 | 12.23 p.m. | 12.42 p.m. | .16 | .18 | .38 | .65 | .73 | | | | | | | | | | |
| Sept. 27 | 8.23 p.m. | 10.10 p.m. | .69 | 8.31 p.m. | 8.47 p.m. | .06 | .22 | .44 | .59 | .62 | | | | | | | | | | |
| Little Rock, Ark.:[1] | | | | | | | | | | | | | | | | | | | | |
| June 23 | 3.58 p.m. | 4.45 p.m. | .72 | 4.07 p.m. | 4.23 p.m. | .01 | .19 | .51 | .68 | .70 | | | | | | | | | | |
| Aug. 22 | 1.48 p.m. | 2.50 p.m. | .90 | 1.55 p.m. | 2.18 p.m. | .01 | .16 | .34 | .56 | .73 | .82 | | | | | | | | | |
| Sept. 21 | 4.45 p.m. | 6.50 p.m. | .47 | 6.17 p.m. | 6.30 p.m. | .09 | .20 | .29 | .38 | | | | | | | | | | | |
| Corpus Christi, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| June 12 | 1.39 p.m. | 3.22 p.m. | 1.01 | 2.23 p.m. | 2.46 p.m. | .10 | .13 | .45 | .65 | .81 | .89 | | | | | | | | | |
| July 21 | 5.02 p.m. | 8.35 p.m. | 1.59 | 5.02 p.m. | 5.50 p.m. | 0 | .18 | .48 | .68 | .83 | .92 | 1.01 | 1.21 | 1.38 | 1.44 | 1.49 | | | | |
| Aug. 29 | 6.39 a.m. | 8.55 a.m. | 2.41 | 6.39 a.m. | 6.48 a.m. | 0 | .14 | .21 | .31 | .52 | .76 | .99 | 1.14 | 1.28 | 1.46 | 1.65 | 1.95 | 2.14 | | |
| Dallas, Tex.: | | | | | | | | | | | | | | | | | | | | |
| Jan. 21 | [3]4.10 p.m. | 4.55 a.m. | 1.08 | 12.33 a.m. | 12.48 a.m. | .08 | .22 | .44 | .53 | | | | | | | | | | | |
| Jan. 26 | 3.00 a.m. | 11.55 p.m. | 2.66 | 3.28 p.m. | 4.08 p.m. | .24 | .08 | .14 | .28 | .52 | 1.07 | 1.25 | 1.32 | 1.46 | | | | | | |
| May 15 | 8.10 p.m. | 8.50 p.m. | 0.31 | 8.31 p.m. | 8.36 p.m. | .01 | .29 | | | | | | | | | | | | | |
| June 14 | 10.49 p.m. | [2]1.15 a.m. | .66 | 11.05 p.m. | 11.23 p.m. | .03 | .15 | .37 | .48 | .51 | | | | | | | | | | |
| Aug. 5 | 12.33 p.m. | 10.45 p.m. | 1.98 | 1.15 p.m. | 2.12 p.m. | .35 | .21 | .45 | .52 | .57 | .69 | .83 | .83 | .83 | .83 | 1.03 | 1.34 | | | |
| Oct. 13 | 12.57 p.m. | 3.25 p.m. | 2.01 | 1.59 p.m. | 2.57 p.m. | .06 | .19 | .25 | .33 | .41 | .61 | .82 | 1.11 | 1.36 | 1.66 | 1.81 | 1.93 | | | |
| Fort Worth, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| Mar. 30 | 8.02 p.m. | 11.15 p.m. | .58 | 9.45 p.m. | 9.53 p.m. | .16 | .34 | .40 | | | | | | | | | | | | |
| June 14 | 10.32 p.m. | 11.58 p.m. | 1.08 | 10.35 p.m. | 11.26 p.m. | .01 | .15 | .36 | .52 | .65 | .70 | .74 | .84 | .90 | .95 | 1.01 | | | | |
| July 5[4] | 3.14 p.m. | 3.55 p.m. | .56 | 3.18 p.m. | 3.33 p.m. | .01 | | | .55 | | | | | | | | | | | |
| July 15 | 3.48 p.m. | 4.20 p.m. | .44 | 3.53 p.m. | 4.03 p.m. | .01 | .37 | .42 | | | | | | | | | | | | |
| Aug. 22[4] | 4.01 p.m. | 7.25 p.m. | 2.47 | 4.07 p.m. | 4.50 p.m. | .03 | .49 | .97 | 1.40 | 1.71 | 1.90 | 1.95 | 2.07 | 2.16 | 2.21 | | | | | |
| Galveston, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 18 | D.N.a.m. | 10.05 a.m. | 1.67 | 6.19 a.m. | 7.08 a.m. | .04 | .16 | .51 | .74 | .84 | .91 | .93 | .97 | 1.14 | 1.22 | 1.26 | | | | |
| May 21 | 2.15 p.m. | 7.40 p.m. | 6.13 | 2.26 p.m. | 3.16 p.m. | .01 | .20 | .36 | .52 | .58 | .59 | .60 | .61 | .63 | .67 | .72 | | | | |
| | | | | 3.16 p.m. | 4.06 p.m. | | .75 | .78 | .80 | 1.03 | 1.15 | 1.20 | 1.36 | 1.40 | 1.48 | 1.59 | | | | |
| | | | | 4.06 p.m. | 4.56 p.m. | | 1.79 | 1.88 | 1.95 | 2.06 | 2.12 | 2.13 | 2.16 | 2.19 | 2.22 | 2.25 | | | | |
| | | | | 4.56 p.m. | 5.46 p.m. | | 2.40 | 2.49 | 2.55 | 2.70 | 2.85 | 2.93 | 2.99 | 3.06 | 3.13 | 3.23 | | | | |
| | | | | 5.46 p.m. | 6.36 p.m. | | 3.32 | 3.52 | 3.79 | 4.05 | 4.26 | 4.44 | 4.64 | 4.77 | 4.82 | 5.00 | | | | |
| | | | | 6.36 p.m. | 7.25 p.m. | | 5.17 | 5.26 | 5.42 | 5.54 | 5.65 | 5.75 | 5.83 | 5.91 | 6.04 | 6.09 | | | | |
| June 27 | 11.14 a.m. | 5.35 p.m. | 1.50 | 1.30 p.m. | 2.03 p.m. | .02 | .19 | .53 | .86 | 1.02 | 1.11 | 1.17 | 1.20 | | | | | | | |
| July 8 | 12.56 p.m. | 1.35 p.m. | .80 | 1.07 p.m. | 1.22 p.m. | .01 | .06 | .54 | .79 | | | | | | | | | | | |
| July 29 | 7.18 a.m. | 1.55 p.m. | 1.54 | 10.54 a.m. | 11.27 a.m. | .29 | .27 | .47 | .60 | .71 | .91 | 1.13 | 1.18 | | | | | | | |
| Aug. 5 | 7.10 a.m. | 2.10 p.m. | 1.56 | 11.45 a.m. | 11.58 a.m. | .96 | .24 | .46 | .52 | | | | | | | | | | | |
| Aug. 13 | 10.40 a.m. | 12.05 p.m. | .82 | 10.43 a.m. | 11.05 a.m. | .01 | .19 | .35 | .55 | .63 | .66 | | | | | | | | | |
| Sept. 12 | 11.35 p.m. | [2]D.N.a.m. | .68 | 11.39 p.m. | 11.55 p.m. | .01 | .25 | .52 | .62 | .64 | | | | | | | | | | |
| Sept. 24 | 12.50 p.m. | 3.15 p.m. | 1.85 | 1.49 p.m. | 2.25 p.m. | .33 | .13 | .27 | .58 | .71 | .91 | 1.27 | 1.41 | 1.43 | | | | | | |
| Houston, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| Apr. 1 | 11.43 a.m. | 3.15 p.m. | .86 | 2.39 p.m. | 2.59 p.m. | .17 | .15 | .44 | .56 | .67 | | | | | | | | | | |
| June 12 | 12.40 p.m. | 2.40 p.m. | .63 | 12.50 p.m. | 1.03 p.m. | .06 | .09 | .34 | .45 | | | | | | | | | | | |
| July 3 | 12.21 p.m. | 2.47 p.m. | .85 | 12.30 p.m. | 12.44 p.m. | .01 | .33 | .59 | .71 | | | | | | | | | | | |
| July 4 | 5.40 p.m. | 10.45 p.m. | 1.03 | 6.51 p.m. | 7.05 p.m. | .01 | .29 | .61 | .74 | | | | | | | | | | | |
| July 11 | 12.05 p.m. | 1.10 p.m. | .86 | 12.07 p.m. | 12.31 p.m. | .01 | .15 | .40 | .64 | .77 | .83 | | | | | | | | | |
| July 18 | 2.55 p.m. | 4.30 p.m. | 2.85 | 3.01 p.m. | 3.49 p.m. | .01 | .32 | .52 | .74 | 1.20 | 1.64 | 2.12 | 2.37 | 2.52 | 2.61 | 2.67 | | | | |
| July 24 | 6.00 p.m. | 7.05 p.m. | .47 | 6.04 p.m. | 6.17 p.m. | .01 | .25 | .38 | .43 | | | | | | | | | | | |
| Aug. 31 | 10.57 a.m. | 11.25 a.m. | .44 | 11.01 a.m. | 11.12 a.m. | .01 | .26 | .39 | .43 | | | | | | | | | | | |
| Sept. 24 | 11.42 a.m. | 12.15 p.m. | .58 | 11.48 a.m. | 12.06 p.m. | .01 | .16 | .38 | .50 | .57 | | | | | | | | | | |
| Nov. 22 | D.N.a.m. | 7.45 a.m. | 1.30 | 3.23 a.m. | 4.00 a.m. | .01 | .11 | .36 | .41 | .41 | .47 | .55 | .71 | .76 | | | | | | |
| Taylor, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| Jan. 2 | D.N.a.m. | D.N.a.m. | .47 | 1.19 a.m. | 1.28 a.m. | .03 | .36 | .43 | | | | | | | | | | | | |
| Jan. 21 | [3]2.28 p.m. | 7.23 a.m. | 1.31 | 2.01 a.m. | 2.16 a.m. | .23 | .25 | .45 | .54 | .58 | | | | | | | | | | |
| Apr. 1 | 7.54 a.m. | 9.52 a.m. | 2.24 | 7.57 a.m. | 9.12 a.m. | .01 | .07 | .48 | .82 | .92 | 1.06 | 1.08 | 1.10 | 1.22 | 1.33 | 1.42 | 1.82 | 2.15 | | |
| May 1 | D.N.a.m. | 6.05 a.m. | 1.02 | 4.26 a.m. | 4.55 a.m. | .04 | .33 | .47 | .59 | .68 | .78 | .85 | | | | | | | | |
| July 21 | 1.10 a.m. | D.N.a.m. | 1.85 | 2.09 a.m. | 2.39 a.m. | .37 | .23 | .58 | .75 | 1.05 | 1.26 | 1.32 | | | | | | | | |
| Aug. 22 | 5.25 p.m. | 6.40 p.m. | .85 | 5.59 p.m. | 6.19 p.m. | .02 | .18 | .57 | .71 | .79 | | | | | | | | | | |
| Palestine, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| Jan. 21 | 1.35 a.m. | 11.28 a.m. | 1.95 | 3.00 a.m. | 3.23 a.m. | .03 | .09 | .34 | .48 | .53 | .58 | | | | | | | | | |
| July 1 | 6.30 p.m. | 7.15 p.m. | .75 | 6.39 p.m. | 7.00 p.m. | .01 | .21 | .36 | .49 | .71 | .74 | | | | | | | | | |
| Sept. 8 | 2.10 p.m. | 3.20 p.m. | 1.44 | 2.15 p.m. | 3.03 p.m. | .01 | .21 | .39 | .50 | .65 | .78 | .95 | 1.10 | 1.22 | 1.36 | 1.40 | | | | |
| Sept. 13 | 1.00 p.m. | 7.20 p.m. | 1.15 | 1.07 p.m. | 1.35 p.m. | .01 | .17 | .35 | .61 | .83 | .96 | 1.04 | | | | | | | | |
| Nov. 21 | 8.40 a.m. | [2]12.25 p.m. | 2.19 | 11.06 p.m. | 11.24 p.m. | .70 | .22 | .41 | .60 | .65 | | | | | | | | | | |
| San Antonio, Tex.:[1] | | | | | | | | | | | | | | | | | | | | |
| May 18 | [3]5.00 p.m. | 5.50 a.m. | 1.17 | 3.35 a.m. | 4.19 a.m. | .11 | .15 | .37 | .52 | .64 | .72 | .76 | .81 | .85 | .96 | | | | | |
| May 21 | [3]10.30 p.m. | 6.00 a.m. | 1.29 | 4.59 a.m. | 5.34 a.m. | .01 | .15 | .53 | .85 | 1.05 | 1.12 | 1.21 | 1.26 | | | | | | | |
| July 5 | 3.20 p.m. | 6.35 p.m. | 1.09 | 3.20 p.m. | 3.46 p.m. | 0 | .19 | .35 | .61 | .77 | .94 | .96 | | | | | | | | |
| July 21 | 7.57 a.m. | 1.15 p.m. | 1.80 | 11.16 a.m. | 12.05 p.m. | .41 | .07 | .22 | .39 | .57 | .80 | 1.00 | 1.18 | 1.24 | 1.27 | 1.32 | | | | |
| Aug. 6 | 1.03 p.m. | 1.15 p.m. | .39 | 1.03 p.m. | 1.09 p.m. | 0 | .36 | .39 | | | | | | | | | | | | |
| Aug. 29 | 4.16 p.m. | 6.25 p.m. | 2.28 | 4.20 p.m. | 4.57 p.m. | .02 | .21 | .78 | 1.31 | 1.63 | 1.88 | 2.10 | 2.18 | 2.22 | | | | | | |
| Sept. 12 | 3.50 p.m. | 7.50 p.m. | 1.00 | 4.00 p.m. | 4.32 p.m. | .01 | 17 | .34 | .46 | .59 | .65 | .71 | .74 | | | | | | | |
| Sept. 25 | 2.31 a.m. | 5.18 a.m. | 2.20 | 3.57 a.m. | 4.55 a.m. | .66 | .15 | .36 | .64 | .78 | .90 | 1.01 | 1.12 | 1.23 | 1.32 | 1.40 | 1.52 | | | |

[1] Only the more important are recorded. [2] On following date. [3] On previous date. [4] Record defective.

| 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. 16 | 1.48 p. m. | 5.02 p. m. | 0.47 | 2.15 p. m. | 2.25 p. m. | 0.01 | 0.23 | 0.34 | | | | | | | | | | | | |
| June 6 | 5.42 a. m. | 8.23 a. m. | .73 | 5.44 a. m. | 5.54 a. m. | .01 | .24 | .32 | | | | | | | | | | | | |
| June 11 | 10.08 p. m. | [1] 2.15 a. m. | .92 | 11.02 p. m. | 11.26 p. m. | .12 | .23 | .33 | 0.34 | 0.41 | 0.52 | | | | | | | | | |
| June 24-25 | 10.16 p. m. | 1.57 a. m. | 1.01 | 11.48 p. m. | 12.40 a. m. | .12 | .09 | .16 | .25 | .33 | .40 | 0.50 | 0.55 | 0.64 | 0.70 | 0.75 | 0.77 | | | |
| July 27 | 3.53 p. m. | 5.36 p. m. | .45 | 4.01 p. m. | 4.13 p. m. | .01 | .12 | .33 | .40 | | | | | | | | | | | |
| July 29 | 11.16 a. m. | 11.53 a. m. | .41 | 11.25 a. m. | 11.41 a. m. | .03 | .11 | .26 | .35 | .37 | | | | | | | | | | |
| **Knoxville, Tenn.:** | | | | | | | | | | | | | | | | | | | | |
| June 6 | 12.55 p. m. | 2.20 p. m. | .55 | 1.39 p. m. | 1.47 p. m. | .04 | .32 | .43 | | | | | | | | | | | | |
| June 6 | 4.30 p. m. | 6.40 p. m. | .42 | 4.51 p. m. | 5.05 p. m. | .01 | .20 | .31 | .37 | | | | | | | | | | | |
| June 11 | 5.50 p. m. | [1] 7.50 a. m. | 1.73 | 6.20 p. m. | 6.43 p. m. | .01 | ([2]) | ([2]) | ([2]) | ([2]) | [2].65 | | | | | | | | | |
| July 17[2] | 11.43 a. m. | 12.40 p. m. | 1.02 | 11.43 a. m. | ..... | 0 | | | | | | .93 | | | | | | | | |
| July 21[2] | 12.47 p. m. | 1.25 p. m. | 1.03 | ..... | ..... | ..... | | | | | | | | 1.03 | | | | | | |
| Aug. 14 | 7.47 p. m. | 7.55 p. m. | .28 | 7.48 p. m. | 7.54 p. m. | .01 | .25 | .27 | | | | | | | | | | | | |
| Aug. 17 | 2.42 p. m. | 3.14 p. m. | .80 | 2.49 p. m. | 3.11 p. m. | .01 | .15 | .50 | .72 | .77 | .79 | | | | | | | | | |
| Aug. 23 | 2.15 p. m. | 5.15 p. m. | 1.05 | 3.56 p. m. | 4.21 p. m. | .27 | .09 | .25 | .42 | .61 | .73 | | | | | | | | | |
| Sept. 18 | 12.08 p. m. | 12.35 p. m. | .55 | 12.13 p. m. | 12.29 p. m. | .01 | .14 | .39 | .50 | .54 | | | | | | | | | | |
| **Memphis, Tenn.:** | | | | | | | | | | | | | | | | | | | | |
| May 21 | D. N. a. m. | 10.10 a. m. | 1.59 | 4.18 a. m. | 4.30 a. m. | .21 | .13 | .29 | .35 | | | | | | | | | | | |
| June 11 | 6.12 p. m. | 6.38 p. m. | .36 | 6.19 p. m. | 6.27 p. m. | .02 | .21 | .34 | | | | | | | | | | | | |
| June 19 | 7.30 p. m. | D. N. p. m. | .74 | 7.50 p. m. | 8.14 p. m. | .01 | .10 | .24 | .32 | .54 | .66 | | | | | | | | | |
| July 21 | 4.20 p. m. | 5.05 p. m. | .47 | 4.36 p. m. | 4.51 p. m. | .03 | .10 | .29 | .39 | | | | | | | | | | | |
| Aug. 9 | 7.45 p. m. | 8.55 p. m. | 1.18 | 7.45 p. m. | 8.15 p. m. | 0 | .14 | .36 | .61 | .83 | .96 | 1.04 | | | | | | | | |
| Aug. 13 | 2.47 p. m. | 7.30 p. m. | .74 | 2.51 p. m. | 3.22 p. m. | .02 | .10 | .15 | .21 | .38 | .53 | .61 | .64 | | | | | | | |
| Oct. 19 | 7.38 p. m. | D. N. p. m. | .29 | 7.40 p. m. | 7.44 p. m. | .01 | .26 | | | | | | | | | | | | | |
| **Nashville, Tenn.:** | | | | | | | | | | | | | | | | | | | | |
| Jan. 21 | 5.45 p. m. | [1] 7.35 a. m. | 1.35 | 7.55 p. m. | 8.24 p. m. | .03 | .18 | .32 | .42 | .49 | .53 | .59 | | | | | | | | |
| Apr. 20 | 4.30 p. m. | 8.40 p. m. | 1.40 | 4.40 p. m. | 4.58 p. m. | .01 | .10 | .34 | .44 | .50 | | | | | | | | | | |
| May 16 | 4.15 a. m. | 8.15 a. m. | 1.12 | 4.21 a. m. | 4.31 a. m. | .02 | .19 | .30 | | | | | | | | | | | | |
| May 16 | 4.15 a. m. | 8.15 a. m. | 1.12 | 5.05 a. m. | 5.14 a. m. | .43 | .16 | .33 | | | | | | | | | | | | |
| May 20 | 10.30 p. m. | [1] D. N. a. m. | 1.42 | 11.09 p. m. | 11.36 p. m. | .02 | .18 | .42 | .55 | .62 | .70 | .75 | | | | | | | | |
| June 6 | 9.05 a. m. | 10.22 a. m. | .41 | 10.07 a. m. | 10.19 a. m. | .03 | .11 | .34 | .38 | | | | | | | | | | | |
| June 11 | 12.50 p. m. | 8.45 p. m. | 1.51 | 7.46 p. m. | 8.16 p. m. | .75 | .09 | .13 | .17 | .40 | .57 | .70 | | | | | | | | |
| June 16 | 10.40 a. m. | 11.05 a. m. | .51 | 10.42 a. m. | 10.49 a. m. | .01 | .45 | .49 | | | | | | | | | | | | |
| July 13 | 6.25 a. m. | 11.00 a. m. | 1.62 | 7.03 a. m. | 7.47 a. m. | .03 | .06 | .07 | .22 | .50 | .80 | 1.00 | 1.05 | 1.10 | 1.15 | | | | | |
| Aug. 1 | 2.43 p. m. | 8.45 p. m. | 2.58 | 2.48 p. m. | 3.12 p. m. | .01 | .17 | .30 | .66 | .83 | .96 | | | | | | | | | |
| Aug. 1 | 2.43 p. m. | 8.45 p. m. | 2.58 | 4.23 p. m. | 5.07 p. m. | 1.16 | .08 | .13 | .25 | .35 | .43 | .52 | .63 | .84 | .91 | | | | | |
| Sept. 14 | 10.15 a. m. | 10.40 a. m. | .40 | 10.15 a. m. | 10.26 a. m. | 0 | .15 | .38 | .40 | | | | | | | | | | | |
| **Lexington, Ky.:** | | | | | | | | | | | | | | | | | | | | |
| June 2 | 10.12 p. m. | D. N. p. m. | .82 | 10.12 p. m. | 10.50 p. m. | 0 | .17 | .28 | .33 | .40 | .50 | .59 | .66 | .78 | | | | | | |
| June 18 | 3.45 p. m. | 5.15 p. m. | .71 | 4.13 p. m. | 4.48 p. m. | .01 | .14 | .24 | .30 | .39 | .44 | .55 | .68 | | | | | | | |
| July 12 | 8.35 a. m. | 10.20 a. m. | .62 | 8.39 a. m. | 9.01 a. m. | .01 | .11 | .24 | .38 | .44 | .47 | | | | | | | | | |
| **Louisville, Ky.:** | | | | | | | | | | | | | | | | | | | | |
| Mar. 26 | 1.48 p. m. | 3.45 p. m. | .78 | 2.04 p. m. | 2.14 p. m. | .07 | .30 | .53 | | | | | | | | | | | | |
| Apr. 20 | 9.34 a. m. | D. N. p. m. | 1.63 | 3.28 p. m. | 3.43 p. m. | .20 | .07 | .20 | .35 | | | | | | | | | | | |
| June 6 | 10.38 a. m. | 12.41 p. m. | .40 | 12.25 p. m. | 12.35 p. m. | .07 | .12 | .31 | | | | | | | | | | | | |
| June 16 | 8.57 a. m. | 10.45 a. m. | .47 | 8.57 a. m. | 9.05 a. m. | 0 | .16 | .38 | | | | | | | | | | | | |
| June 18 | 2.58 p. m. | 6.47 p. m. | 1.65 | 5.06 p. m. | 5.28 p. m. | .05 | .24 | .37 | .51 | .74 | .82 | | | | | | | | | |
| June 18 | 2.58 p. m. | 6.47 p. m. | 1.65 | 6.10 p. m. | 6.35 p. m. | 1.02 | .15 | .27 | .40 | .50 | .59 | | | | | | | | | |
| July 12 | 11.56 a. m. | 3.50 p. m. | 1.32 | 12.02 p. m. | 12.32 p. m. | .01 | .17 | .29 | .33 | .38 | .75 | .96 | | | | | | | | |
| July 12 | 9.35 p. m. | [1] 9.38 a. m. | 3.83 | 9.59 p. m. | 11.06 p. m. | .04 | .11 | .17 | .21 | .23 | .24 | .35 | .64 | .89 | 1.05 | 1.22 | 1.31 | 1.53 | | |
| July 13 | [3] 9.35 p. m. | 9.38 a. m. | 3.83 | 4.12 a. m. | 4.24 a. m. | 2.42 | .17 | .38 | .50 | | | | | | | | | | | |
| July 20 | 2.16 p. m. | 7.00 p. m. | 1.22 | 2.40 p. m. | 2.57 p. m. | .03 | .21 | .53 | .74 | .79 | | | | | | | | | | |
| Aug. 8 | 6.40 p. m. | 7.45 p. m. | .50 | 7.07 p. m. | 7.23 p. m. | .02 | .16 | .36 | .47 | .48 | | | | | | | | | | |
| Aug. 15 | D. N. a. m. | 6.15 a. m. | 1.25 | 3.40 a. m. | 4.40 a. m. | .09 | .09 | .11 | .20 | .31 | .42 | .48 | .56 | .66 | .73 | .80 | 1.09 | | | |
| Sept. 2 | [3] 1.41 p. m. | D. N. a. m. | 2.38 | 1.31 a. m. | 2.37 a. m. | 1.12 | .06 | .16 | .26 | .37 | .45 | .51 | .64 | .74 | .77 | .84 | 1.05 | 1.21 | | |
| **Evansville, Ind.:** | | | | | | | | | | | | | | | | | | | | |
| June 15 | 9.13 p. m. | 10.45 p. m. | .82 | 9.18 p. m. | 9.46 p. m. | .01 | .10 | .21 | .27 | .39 | .50 | .56 | | | | | | | | |
| July 12 | 10.15 a. m. | 8.00 p. m. | 1.43 | 10.22 a. m. | 10.58 a. m. | .01 | .15 | .26 | .38 | .49 | .59 | .65 | .74 | .77 | | | | | | |
| July 20-21 | 10.40 p. m. | 6.10 a. m. | 3.59 | 11.17 p. m. | 12.11 a. m. | .23 | .18 | .43 | .60 | .86 | 1.25 | 1.61 | 1.90 | 2.19 | 2.41 | 2.59 | 2.79 | | | |
| Aug. 12 | 7.00 a. m. | 11.10 a. m. | 1.09 | 8.21 a. m. | 8.47 a. m. | .35 | .11 | .14 | .19 | .26 | .45 | .51 | | | | | | | | |
| Aug. 26 | 8.10 p. m. | [1] 12.30 p. m. | 1.09 | 8.26 p. m. | 8.43 p. m. | .01 | .15 | .26 | .33 | .40 | | | | | | | | | | |
| Sept. 1 | 3.40 p. m. | 6.00 p. m. | 1.96 | 3.42 p. m. | 3.49 p. m. | .01 | .31 | .33 | | | | | | | | | | | | |
| Sept. 1 | 3.40 p. m. | 6.00 p. m. | 1.96 | 4.53 p. m. | 5.25 p. m. | .58 | .15 | .37 | .65 | .83 | 1.06 | 1.31 | 1.36 | | | | | | | |
| **Indianapolis, Ind.:** | | | | | | | | | | | | | | | | | | | | |
| June 20 | 9.20 p. m. | [1] D. N. a. m. | 1.18 | 10.48 p. m. | 11.10 p. m. | .12 | .07 | .23 | .44 | .53 | .57 | | | | | | | | | |
| June 26 | 8.22 p. m. | 10.42 p. m. | .54 | 8.36 p. m. | 8.56 p. m. | .04 | .08 | .19 | .31 | .41 | | | | | | | | | | |
| July 2 | 4.52 p. m. | 6.40 p. m. | .81 | 6.01 p. m. | 6.12 p. m. | .22 | .34 | .54 | .55 | | | | | | | | | | | |
| Aug. 8 | D. N. a. m. | D. N. a. m. | .79 | 2.41 a. m. | 2.56 a. m. | .34 | .17 | .25 | .36 | | | | | | | | | | | |
| Sept. 6 | 7.07 p. m. | 9.15 p. m. | .69 | 7.12 p. m. | 7.39 p. m. | .01 | .09 | .14 | .22 | .38 | .54 | .56 | | | | | | | | |
| Sept. 27 | 7.07 p. m. | 11.15 p. m. | 1.02 | 7.38 p. m. | 8.28 p. m. | .02 | .13 | .26 | .35 | .39 | .42 | .50 | .60 | .61 | .70 | .80 | | | | |
| **Terre Haute, Ind.:** | | | | | | | | | | | | | | | | | | | | |
| May 29 | [3] 10.55 p. m. | 10.18 a. m. | 1.40 | 6.11 a. m. | 6.31 a. m. | .55 | .05 | .20 | .30 | .42 | | | | | | | | | | |
| June 20 | 7.54 p. m. | [1] D. N. a. m. | 1.64 | 9.00 p. m. | 9.28 p. m. | .20 | .25 | .41 | .80 | 1.05 | 1.27 | 1.34 | | | | | | | | |
| July 2 | 7.25 p. m. | 9.10 p. m. | .71 | 8.07 p. m. | 8.22 p. m. | .26 | .26 | .28 | .44 | | | | | | | | | | | |
| July 20 | 7.15 p. m. | 9.30 p. m. | .71 | 7.51 p. m. | 8.09 p. m. | .02 | .17 | .40 | .55 | .61 | | | | | | | | | | |
| Aug. 7 | 2.26 p. m. | 3.18 p. m. | .45 | 2.44 p. m. | 2.55 p. m. | .03 | .18 | .36 | .40 | | | | | | | | | | | |
| Aug. 15 | [3] 7.05 p. m. | 8.20 a. m. | 1.54 | 4.48 a. m. | 5.05 a. m. | .78 | .10 | .26 | .36 | .42 | | | | | | | | | | |
| **Cincinnati, Ohio:** | | | | | | | | | | | | | | | | | | | | |
| Jan. 12 | 3.15 p. m. | 8.00 p. m. | .91 | 3.44 p. m. | 4.05 p. m. | .08 | .21 | .27 | .32 | .41 | .45 | | | | | | | | | |
| Apr. 20 | 6.53 p. m. | 9.50 p. m. | .57 | 7.09 p. m. | 7.15 p. m. | .01 | .29 | .31 | | | | | | | | | | | | |
| May 29 | 10.49 a. m. | 4.25 p. m. | 1.16 | 3.14 p. m. | 3.23 p. m. | .47 | .50 | .63 | | | | | | | | | | | | |
| May 29 | 7.15 p. m. | 9.20 p. m. | .53 | 7.26 p. m. | 7.44 p. m. | .03 | .11 | .22 | .27 | .44 | | | | | | | | | | |
| June 2 | 6.25 p. m. | 10.15 p. m. | .74 | 8.23 p. m. | 8.33 p. m. | .27 | .26 | .40 | | | | | | | | | | | | |
| June 21 | D. N. a. m. | D. N. a. m. | .67 | 1.22 a. m. | 1.31 a. m. | .05 | .22 | .35 | | | | | | | | | | | | |
| July 20 | 10.31 a. m. | 10.58 a. m. | .47 | 10.35 a. m. | 10.52 a. m. | .01 | .23 | .38 | .44 | .46 | | | | | | | | | | |
| Aug. 8 | 8.36 a. m. | 9.17 a. m. | .47 | 8.42 a. m. | 8.53 a. m. | .02 | .17 | .39 | .43 | | | | | | | | | | | |
| Aug. 22 | 4.06 p. m. | 5.20 p. m. | .51 | 4.13 p. m. | 4.28 p. m. | .02 | .19 | .34 | .45 | | | | | | | | | | | |
| Sept. 6 | 3.33 p. m. | 4.50 p. m. | .79 | 4.18 p. m. | 4.34 p. m. | .03 | .12 | .45 | .67 | .75 | | | | | | | | | | |

[1] On following date. [2] Record defective. [3] On previous date.

| 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—con.** | | | | | | | | | | | | | | | | | | | | |
| Columbus, Ohio: | | | | | | | | | | | | | | | | | | | | |
| May 6 | 7.25 p. m. | [1] 3.15 a. m. | 1.85 | 11.29 p. m. | 11.38 p. m. | 1.03 | 0.26 | 0.30 | | | | | | | | | | | | |
| May 25 | 10.01 a. m. | 10.35 a. m. | .39 | 10.07 a. m. | 10.16 a. m. | .01 | .18 | .35 | | | | | | | | | | | | |
| Aug. 11 | 11.29 a. m. | 11.56 a. m. | .59 | 11.34 a. m. | 11.45 a. m. | .01 | .14 | .57 | 0.58 | | | | | | | | | | | |
| Aug. 13 | 2.45 a. m. | 3.05 a. m. | .46 | 2.52 a. m. | 2.58 a. m. | .02 | .41 | .44 | | | | | | | | | | | | |
| Dayton, Ohio: | | | | | | | | | | | | | | | | | | | | |
| Mar. 26 | 5.25 p. m. | [1] 5.35 a. m. | 1.56 | 5.53 p. m. | 6.00 p. m. | .12 | .30 | .33 | | | | | | | | | | | | |
| June 2 | 5.40 p. m. | 8.44 p. m. | 1.26 | 5.54 p. m. | 6.10 p. m. | .05 | .11 | .22 | .57 | 0.63 | | | | | | | | | | |
| June 2 | 5.40 p. m. | 8.44 p. m. | 1.26 | 8.23 p. m. | 8.30 p. m. | .94 | .22 | .29 | | | | | | | | | | | | |
| Aug. 5 | 2.43 p. m. | 2.57 p. m. | .28 | 2.45 p. m. | 2.50 p. m. | .01 | .26 | .27 | | | | | | | | | | | | |
| Aug. 22 | 4.53 p. m. | 5.20 p. m. | .36 | 4.53 p. m. | 5.03 p. m. | 0 | .15 | .32 | .35 | | | | | | | | | | | |
| Sept. 5 | 3.03 p. m. | 4.41 p. m. | 1.85 | 3.44 p. m. | 4.16 p. m. | .04 | .21 | .59 | .87 | 1.21 | 1.54 | 1.75 | 1.79 | | | | | | | |
| Sept. 5 | 4.57 p. m. | 9.40 p. m. | 1.66 | 5.01 p. m. | 5.11 p. m. | .02 | .15 | .32 | | | | | | | | | | | | |
| Sept. 5 | 4.57 p. m. | 9.40 p. m. | 1.66 | 7.16 p. m. | 8.00 p. m. | .65 | .20 | .24 | .32 | .52 | .64 | .74 | .81 | 0.90 | 0.96 | | | | | |
| Elkins, W. Va.: | | | | | | | | | | | | | | | | | | | | |
| May 29 | 9.08 p. m. | D. N. p. m. | .56 | 9.08 p. m. | 9.22 p. m. | 0 | .10 | .31 | .44 | | | | | | | | | | | |
| July 2-3 | 10.09 p. m. | D. N. a. m. | 2.53 | 10.09 p. m. | 12.07 a. m. | 0 | .09 | .11 | .13 | .27 | .49 | .62 | .74 | .80 | 1.01 | 1.02 | 1.03 | 1.19 | 2.12 | 2.50 |
| July 27 [2] | 5.49 p. m. | 6.30 p. m. | .48 | 5.57 p. m. | 6.10 p. m. | .01 | .29 | .40 | .43 | | | | | | | | | | | |
| Aug. 4 | 1.43 p. m. | 5.30 p. m. | .46 | 2.00 p. m. | 2.16 p. m. | .01 | .13 | .30 | .38 | .42 | | | | | | | | | | |
| Aug. 5 | D. N. a. m. | 6.30 a. m. | .91 | 5.53 a. m. | 6.08 a. m. | .34 | .15 | .42 | .52 | | | | | | | | | | | |
| Sept. 8 | 8.00 p. m. | 10.00 p. m. | .56 | 9.08 p. m. | 9.36 p. m. | .06 | .09 | .21 | .33 | .40 | .44 | .49 | | | | | | | | |
| Parkersburg, W. Va.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 21 | 12.58 p. m. | 5.20 p. m. | 1.27 | 1.27 p. m. | 1.53 p. m. | .09 | .27 | .37 | .53 | .76 | .92 | .96 | | | | | | | | |
| May 28 | 1.30 p. m. | 2.08 p. m. | .49 | 1.44 p. m. | 1.54 p. m. | .02 | .27 | .40 | | | | | | | | | | | | |
| July 18 | 10.13 a. m. | 11.20 a. m. | .70 | 10.21 a. m. | 11.02 a. m. | .02 | .11 | .18 | .24 | .33 | .40 | .47 | .56 | .64 | .67 | | | | | |
| July 19 | 7.04 p. m. | 10.05 p. m. | 1.72 | 7.07 p. m. | 7.57 p. m. | .01 | .15 | .25 | .41 | .65 | .84 | 1.08 | 1.25 | 1.38 | 1.53 | 1.65 | | | | |
| Sept. 7 | 3.40 a. m. | 5.50 a. m. | .78 | 4.52 a. m. | 5.22 a. m. | .06 | .13 | .24 | .29 | .45 | .55 | .68 | | | | | | | | |
| Sept. 14 | 3.34 p. m. | 4.01 p. m. | .48 | 3.37 p. m. | 3.47 p. m. | .01 | .29 | .45 | | | | | | | | | | | | |
| Sept. 28 | 4.12 p. m. | 7.10 p. m. | .72 | 4.38 p. m. | 4.52 p. m. | .01 | .28 | .57 | .62 | | | | | | | | | | | |
| Pittsburgh, Pa.: | | | | | | | | | | | | | | | | | | | | |
| July 31 | 7.35 p. m. | 10.40 p. m. | 1.68 | 9.26 p. m. | 10.07 p. m. | .02 | .26 | .40 | .57 | .81 | 1.09 | 1.29 | 1.48 | 1.64 | 1.65 | | | | | |
| Aug. 5 | 3.05 p. m. | 5.40 p. m. | 1.81 | 3.11 p. m. | 4.16 p. m. | .01 | .06 | .26 | .44 | .45 | .45 | .45 | .45 | .57 | .71 | .94 | 1.52 | 1.67 | | |
| Aug. 8 | 1.12 p. m. | 4.45 p. m. | .76 | 1.15 p. m. | 1.32 p. m. | .02 | .18 | .32 | .52 | .58 | | | | | | | | | | |
| **LOWER LAKE REGION.** | | | | | | | | | | | | | | | | | | | | |
| Buffalo, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| June 3 | 7.25 a. m. | 8.20 a. m. | .40 | 7.32 a. m. | 7.41 a. m. | T. | .23 | .38 | | | | | | | | | | | | |
| July 2 [3] | 5.25 p. m. | 6.00 p. m. | .76 | 5.29 p. m. | 5.43 p. m. | .01 | .42 | .68 | .73 | | | | | | | | | | | |
| Canton, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| June 18 | 1.54 p. m. | 4.10 p. m. | .61 | 2.21 p. m. | 2.44 p. m. | .05 | .11 | .16 | .18 | .39 | .46 | | | | | | | | | |
| Aug. 8 | 8.03 a. m. | 11.42 a. m. | .43 | 9.24 a. m. | 9.32 a. m. | .05 | .26 | .33 | | | | | | | | | | | | |
| Aug. 20 | D. N. p. m. | D. N. p. m. | .34 | 11.00 p. m. | 11.09 p. m. | .01 | .24 | .32 | | | | | | | | | | | | |
| Oswego, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| June 3 | 11.32 a. m. | 3.05 p. m. | .63 | 12.03 p. m. | 12.24 p. m. | .01 | .20 | .24 | .35 | .46 | .50 | | | | | | | | | |
| Oct. 20 | 5.57 p. m. | 8.15 p. m. | .71 | 6.08 p. m. | 6.28 p. m. | .01 | .10 | .28 | .48 | .54 | | | | | | | | | | |
| Rochester, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| May 16 | 2.33 p. m. | [1] 12.15 a. m. | 2.11 | 3.48 p. m. | 3.58 p. m. | .19 | .19 | .34 | | | | | | | | | | | | |
| June 2 | 3.03 p. m. | 7.05 p. m. | .83 | 5.35 p. m. | 5.45 p. m. | .42 | .21 | .31 | | | | | | | | | | | | |
| June 2 | 8.55 p. m. | 10.45 p. m. | .70 | 9.30 p. m. | 9.50 p. m. | .02 | .07 | .27 | .40 | .58 | | | | | | | | | | |
| June 24 | 3.13 p. m. | 6.45 p. m. | 1.21 | 5.04 p. m. | 5.21 p. m. | .26 | .14 | .43 | .61 | .67 | | | | | | | | | | |
| Aug. 11 | 6.13 p. m. | 7.00 p. m. | .58 | 6.17 p. m. | 6.37 p. m. | .02 | .21 | .33 | .46 | .53 | | | | | | | | | | |
| Aug. 30 | 1.42 p. m. | 2.30 p. m. | .56 | 2.03 p. m. | 2.28 p. m. | .01 | .14 | .20 | .39 | .45 | .55 | | | | | | | | | |
| Syracuse, N. Y.: | | | | | | | | | | | | | | | | | | | | |
| June 24 | 7.15 p. m. | 8.30 p. m. | .72 | 7.53 p. m. | 8.25 p. m. | .03 | .08 | .20 | .36 | .46 | .53 | .66 | .69 | | | | | | | |
| Erie, Pa.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 13 | 7.05 p. m. | [1] 4.20 p. m. | 1.83 | 7.12 p. m. | 7.19 p. m. | .02 | .34 | .38 | | | | | | | | | | | | |
| Apr. 20 | 5.49 p. m. | 6.45 p. m. | .50 | 5.49 p. m. | 6.00 p. m. | 0 | .20 | .44 | .47 | | | | | | | | | | | |
| June 24 | 3.20 p. m. | 4.10 p. m. | .45 | 3.23 p. m. | 3.38 p. m. | .04 | .22 | .30 | .37 | | | | | | | | | | | |
| Aug. 5 | 11.05 a. m. | 12.15 p. m. | .54 | 11.24 a. m. | 11.54 a. m. | .03 | .07 | .13 | .22 | .34 | .44 | .50 | | | | | | | | |
| Aug. 8 | 3.55 a. m. | 6.35 a. m. | .54 | 3.58 a. m. | 4.12 a. m. | .01 | .18 | .28 | .35 | | | | | | | | | | | |
| Sept. 7 | 6.38 p. m. | 8.05 p. m. | 1.10 | 6.40 p. m. | 7.30 p. m. | .01 | .08 | .19 | .25 | .39 | .42 | .42 | .45 | .81 | .98 | 1.08 | | | | |
| Sept. 8 | [3] 10.10 p. m. | 11.15 a. m. | 1.32 | 5.23 a. m. | 5.38 a. m. | .62 | .28 | .38 | .48 | | | | | | | | | | | |
| Cleveland, Ohio: | | | | | | | | | | | | | | | | | | | | |
| June 10 | 5.25 p. m. | 6.45 p. m. | .53 | 5.49 p. m. | 6.04 p. m. | .01 | .19 | .38 | .44 | | | | | | | | | | | |
| July 2 | 3.42 p. m. | 5.48 p. m. | .68 | 4.19 p. m. | 4.34 p. m. | .08 | .13 | .33 | .56 | | | | | | | | | | | |
| July 20 | 4.18 p. m. | 5.16 p. m. | .68 | 4.21 p. m. | 4.51 p. m. | .01 | .23 | .38 | .46 | .52 | .59 | .65 | | | | | | | | |
| July 20 | 6.20 p. m. | 8.32 p. m. | .96 | 6.38 p. m. | 6.58 p. m. | .04 | .36 | .62 | .78 | .85 | | | | | | | | | | |
| Aug. 22 | 8.12 p. m. | 8.37 p. m. | .47 | 8.19 p. m. | 8.30 p. m. | .02 | .19 | .43 | .45 | | | | | | | | | | | |
| Sandusky, Ohio: | | | | | | | | | | | | | | | | | | | | |
| May 27 | 8.10 a. m. | 11.10 a. m. | .68 | 8.38 a. m. | 9.07 a. m. | .02 | .05 | .10 | .13 | .27 | .45 | .49 | | | | | | | | |
| June 16 | 1.50 p. m. | 5.30 p. m. | .81 | 1.55 p. m. | 2.27 p. m. | T. | .13 | .21 | .25 | .31 | .44 | .55 | .58 | | | | | | | |
| Aug. 11 | D. N. a. m. | D. N. a. m. | .81 | 2.35 a. m. | 2.47 a. m. | .17 | .19 | .38 | .41 | | | | | | | | | | | |
| Aug. 22 | 7.40 p. m. | D. N. p. m. | .67 | 7.44 p. m. | 7.59 p. m. | .01 | .19 | .35 | .47 | | | | | | | | | | | |
| Toledo, Ohio: | | | | | | | | | | | | | | | | | | | | |
| June 17 | 11.00 p. m. | [1] D. N. a. m. | .47 | 11.06 p. m. | 11.16 p. m. | .01 | .20 | .34 | | | | | | | | | | | | |
| Aug. 8 | 12.03 a. m. | 1.15 a. m. | .55 | 12.11 a. m. | 12.34 a. m. | .03 | .12 | .24 | .36 | .43 | .49 | | | | | | | | | |
| Detroit, Mich.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 13 | 4.55 p. m. | 7.10 p. m. | .41 | 6.34 p. m. | 6.44 p. m. | .03 | .16 | .36 | | | | | | | | | | | | |
| May 14 | 9.10 p. m. | [1] 5.40 p. m. | 1.19 | 9.24 p. m. | 9.33 p. m. | .04 | .21 | .31 | | | | | | | | | | | | |
| May 27 | 6.15 a. m. | 7.35 a. m. | .83 | 6.26 a. m. | 6.46 a. m. | .01 | .12 | .37 | .50 | .58 | | | | | | | | | | |
| June 8 | 1.08 p. m. | 2.47 p. m. | .42 | 1.56 p. m. | 2.11 p. m. | .01 | .08 | .19 | .35 | | | | | | | | | | | |
| July 2 [3] | 1.50 p. m. | 2.40 p. m. | .96 | 1.55 p. m. | 2.25 p. m. | .01 | .24 | .37 | .44 | .60 | .67 | .94 | | | | | | | | |
| Aug. 7 | 7.07 p. m. | 9.45 p. m. | 1.26 | 7.21 p. m. | 7.39 p. m. | .02 | .12 | .37 | .72 | .91 | | | | | | | | | | |
| Sept. 7 | 8.07 p. m. | 8.26 p. m. | .61 | 8.07 p. m. | 8.19 p. m. | 0 | .16 | .54 | .61 | | | | | | | | | | | |
| Sept. 27 | 6.15 p. m. | 10.42 p. m. | 1.06 | 6.20 p. m. | 6.27 p. m. | .02 | .25 | .29 | | | | | | | | | | | | |

[1] On following date. [2] Record defective. [3] On previous date.

| Station and date. | Total duration. From— | Total duration. To— | Total amount of precipitation (inches). | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive rate began (inches). | Accumulated amounts of precipitation (in inches) during periods of time indicated. 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 LAKE REGION. | | | | | | | | | | | | | | | | | | | | |
| Alpena, Mich.: | | | | | | | | | | | | | | | | | | | | |
| May 10 | 2.55 p.m. | 5.00 p.m. | 0.70 | 3.41 p.m. | 3.54 p.m. | 0.20 | 0.06 | 0.32 | 0.42 | | | | | | | | | | | |
| June 4 | 11.44 a.m. | 6.45 p.m. | .94 | 1.40 p.m. | 1.56 p.m. | .13 | .12 | .32 | .40 | 0.42 | | | | | | | | | | |
| Aug. 6 | 4.05 p.m. | 5.18 p.m. | .78 | 4.05 p.m. | 4.20 p.m. | 0 | .15 | .41 | .66 | | | | | | | | | | | |
| Escanaba, Mich.: | | | | | | | | | | | | | | | | | | | | |
| June 4 | 10.50 a.m. | 11.50 a.m. | .94 | 10.59 a.m. | 11.34 a.m. | .01 | .06 | .23 | .48 | .74 | 0.78 | 0.79 | 0.88 | | | | | | | |
| July 7 | 3.25 p.m. | 4.25 p.m. | .65 | 3.50 p.m. | 4.18 p.m. | .11 | .15 | .17 | .22 | .32 | .44 | .52 | | | | | | | | |
| July 15 | 4.50 p.m. | 6.30 p.m. | .69 | 5.10 p.m. | 5.25 p.m. | .01 | .22 | .54 | .63 | | | | | | | | | | | |
| Aug. 18 | D. N. a.m. | 6.30 a.m. | 1.35 | 4.58 a.m. | 5.43 a.m. | .43 | .09 | .23 | .29 | .42 | .53 | .63 | .79 | 0.86 | 0.91 | | | | | |
| Sept. 4 | 9.50 a.m. | 1.20 p.m. | 1.09 | 11.22 a.m. | 11.40 a.m. | .22 | .10 | .24 | .36 | .46 | | | | | | | | | | |
| Grand Haven, Mich.: | | | | | | | | | | | | | | | | | | | | |
| June 29 | 7.15 p.m. | D.N. p.m. | 1.54 | 8.13 p.m. | 9.35 p.m. | .19 | .09 | .12 | .18 | .22 | .28 | .34 | .41 | .44 | .50 | 0.57 | 0.62 | 1.15 | 1.27 | |
| Aug. 3 | 10.13 a.m. | 1.38 p.m. | 2.10 | 11.05 a.m. | 11.40 a.m. | .07 | .07 | .16 | .25 | .45 | .66 | .99 | 1.24 | | | | | | | |
| Aug. 3 | 10.13 a.m. | 1.38 p.m. | 2.10 | 1.19 p.m. | 1.29 p.m. | 1.65 | .19 | .44 | | | | | | | | | | | | |
| Aug. 4 | 1.20 p.m. | 3.30 p.m. | .49 | 1.22 p.m. | 1.32 p.m. | .01 | .14 | .31 | | | | | | | | | | | | |
| Aug. 6 | 5.37 a.m. | 5.50 a.m. | .35 | 5.38 a.m. | 5.45 a.m. | T. | .26 | .35 | | | | | | | | | | | | |
| Aug. 10 | 3.58 p.m. | 7.10 p.m. | 1.11 | 5.14 p.m. | 5.34 p.m. | .02 | .21 | .47 | .87 | .95 | | | | | | | | | | |
| Sept. 4 | 7.39 p.m. | [1]D.N. a.m. | 1.82 | 7.40 p.m. | 8.25 p.m. | T. | .14 | .36 | .52 | .74 | .95 | 1.17 | 1.32 | 1.39 | 1.47 | | | | | |
| Grand Rapids, Mich.: | | | | | | | | | | | | | | | | | | | | |
| June 2 | 1.00 a.m. | 4.15 a.m. | .68 | 1.45 a.m. | 1.59 a.m. | .08 | .09 | .25 | .44 | | | | | | | | | | | |
| June 14 | 8.10 a.m. | 11.20 a.m. | .55 | 8.19 a.m. | 8.29 a.m. | .02 | .28 | .39 | | | | | | | | | | | | |
| July 8 | 1.10 p.m. | 1.42 p.m. | .69 | 1.10 p.m. | 1.26 p.m. | 0 | .37 | .49 | .67 | .69 | | | | | | | | | | |
| Aug. 3 | 12.30 p.m. | 8.00 p.m. | 1.70 | 3.23 p.m. | 4.51 p.m. | .15 | .09 | .22 | .35 | .40 | .45 | .52 | .58 | .61 | .65 | .68 | .79 | 1.18 | 1.40 | |
| Aug. 4 | 9.20 p.m. | [1]5.30 a.m. | 1.01 | 9.42 p.m. | 10.03 p.m. | .10 | .11 | .21 | .40 | .54 | .56 | | | | | | | | | |
| Aug. 10 | 4.50 p.m. | 11.50 p.m. | 1.42 | 6.05 p.m. | 6.31 p.m. | .06 | .17 | .54 | .96 | 1.18 | 1.28 | 1.29 | | | | | | | | |
| Sept. 4 | 8.12 p.m. | 9.45 p.m. | .63 | 8.15 p.m. | 8.31 p.m. | .01 | .14 | .34 | .47 | .50 | | | | | | | | | | |
| Houghton, Mich.: | | | | | | | | | | | | | | | | | | | | |
| May 26 | 11.50 a.m. | 6.55 p.m. | 1.51 | 12.39 p.m. | 1.08 p.m. | .03 | .15 | .23 | .46 | .65 | .77 | .89 | | | | | | | | |
| Aug. 6 | 11.00 p.m. | [1]5.00 a.m. | .91 | 11.04 p.m. | 11.19 p.m. | .01 | .19 | .44 | .51 | | | | | | | | | | | |
| Aug. 21 | 7.18 p.m. | 9.00 p.m. | 1.05 | 8.25 p.m. | 8.43 p.m. | .17 | .15 | .53 | .82 | .87 | | | | | | | | | | |
| Sept. 4 | [2]9.05 p.m. | 9.40 a.m. | 2.04 | 4.14 a.m. | 4.36 a.m. | .59 | .23 | .33 | .37 | .47 | .51 | | | | | | | | | |
| Lansing, Mich.:[3] | | | | | | | | | | | | | | | | | | | | |
| Ludington, Mich.: | | | | | | | | | | | | | | | | | | | | |
| May 8 | D. N. a.m. | D. N. a.m. | .64 | 12.30 a.m. | 12.47 a.m. | T. | .36 | .48 | .53 | .57 | | | | | | | | | | |
| July 15 | 11.28 p.m. | [1]D. N. a.m. | .92 | 11.30 p.m. | 11.50 p.m. | .01 | .12 | .38 | .71 | .88 | | | | | | | | | | |
| Aug. 7 | 5.31 p.m. | 6.05 p.m. | .53 | 5.32 p.m. | 5.54 p.m. | T. | .19 | .22 | .27 | .45 | .50 | | | | | | | | | |
| Marquette, Mich.: | | | | | | | | | | | | | | | | | | | | |
| June 2 | [2]11.44 p.m. | 6.14 p.m. | 4.46 | 6.40 a.m. | 7.30 a.m. | 1.25 | .05 | .08 | .12 | .18 | .23 | .28 | .35 | .42 | .46 | .50 | | | | |
| | | | | 7.30 a.m. | 8.20 a.m. | | .56 | .60 | .65 | .71 | .76 | .81 | .86 | .91 | .98 | 1.04 | | | | |
| | | | | 8.20 a.m. | 9.10 a.m. | | 1.11 | 1.23 | 1.30 | 1.38 | 1.46 | 1.55 | 1.61 | 1.69 | 1.75 | 1.82 | | | | |
| | | | | 9.10 a.m. | 9.50 a.m. | | 1.89 | 1.96 | 2.02 | 2.09 | 2.19 | 2.26 | 2.32 | 2.37 | | | | | | |
| June 4 | 8.33 a.m. | 11.20 a.m. | .52 | 9.55 a.m. | 10.15 a.m. | .02 | .10 | .12 | .23 | .40 | | | | | | | | | | |
| July 19 | 3.23 p.m. | 5.24 p.m. | .66 | 3.32 p.m. | 3.44 p.m. | .02 | .26 | .53 | .58 | | | | | | | | | | | |
| Sept. 6 | 6.04 p.m. | [1]6.00 a.m. | 2.43 | 6.39 p.m. | 7.09 p.m. | .04 | .45 | .74 | .96 | 1.10 | 1.21 | 1.27 | | | | | | | | |
| Sept. 6 | 6.04 p.m. | [1]6.00 a.m. | 2.43 | 8.24 p.m. | 8.42 p.m. | 1.47 | .18 | .28 | .35 | .41 | | | | | | | | | | |
| Port Huron, Mich.: | | | | | | | | | | | | | | | | | | | | |
| May 27 | 3.00 a.m. | 5.00 a.m. | .76 | 3.50 a.m. | 4.14 a.m. | .05 | .12 | .25 | .39 | .48 | .59 | | | | | | | | | |
| July 20 | 2.44 p.m. | 7.10 p.m. | 2.42 | 2.53 p.m. | 3.37 p.m. | .01 | .26 | .51 | .84 | 1.25 | 1.56 | 1.86 | 2.10 | 2.28 | 2.32 | | | | | |
| Aug. 7 | 5.35 p.m. | 8.30 p.m. | 1.34 | 5.42 p.m. | 6.40 p.m. | .01 | .16 | .28 | .40 | .45 | .45 | .45 | .45 | .57 | .58 | .70 | 1.08 | | | |
| Saginaw, Mich.: | | | | | | | | | | | | | | | | | | | | |
| June 2 | 3.44 a.m. | 6.23 a.m. | .60 | 4.22 a.m. | 4.44 a.m. | .05 | .19 | .33 | .38 | .48 | .51 | | | | | | | | | |
| July 22 | 2.22 p.m. | 3.29 p.m. | .48 | 2.32 p.m. | 2.55 p.m. | .01 | .09 | .26 | .34 | .42 | .46 | | | | | | | | | |
| Sault Ste. Marie, Mich.: | | | | | | | | | | | | | | | | | | | | |
| Aug. 7 | 6.35 a.m. | 9.00 a.m. | 1.07 | 6.42 a.m. | 6.55 a.m. | .01 | .61 | .85 | .92 | | | | | | | | | | | |
| Aug. 31 | 3.30 p.m. | 4.45 p.m. | .68 | 3.50 p.m. | 4.04 p.m. | .04 | .25 | .45 | .54 | | | | | | | | | | | |
| Sept. 4 | [2]7.30 p.m. | 5.20 p.m. | 5.39 | 1.15 a.m. | 1.34 a.m. | .15 | .08 | .29 | .40 | .49 | | | | | | | | | | |
| Sept. 4 | [2]7.30 p.m. | 5.20 p.m. | 5.39 | 7.06 a.m. | 8.03 a.m. | 1.63 | .12 | .14 | .32 | .39 | .49 | .51 | .55 | .60 | .77 | .90 | 1.09 | | | |
| Sept. 4 | [2]7.30 p.m. | 5.20 p.m. | 5.39 | 8.38 a.m. | 8.56 a.m. | 2.87 | .12 | .33 | .42 | .46 | | | | | | | | | | |
| Sept. 4 | [2]7.30 p.m. | 5.20 p.m. | 5.39 | 10.18 a.m. | 11.03 a.m. | 4.04 | .15 | .22 | .30 | .41 | .48 | .52 | .64 | .79 | .86 | | | | | |
| Sept. 26 | 5.27 p.m. | [1]D. N. a.m. | .76 | 10.22 p.m. | 10.27 p.m. | .33 | .25 | | | | | | | | | | | | | |
| Fort Wayne, Ind.: | | | | | | | | | | | | | | | | | | | | |
| July 13 | 1.00 p.m. | 3.00 p.m. | .65 | 1.06 p.m. | 1.33 p.m. | .01 | .07 | .30 | .39 | .46 | .53 | .57 | | | | | | | | |
| July 14 | 2.00 p.m. | 5.15 p.m. | 2.28 | 2.21 p.m. | 2.56 p.m. | .01 | .35 | .60 | .85 | 1.04 | 1.83 | 2.01 | 2.21 | | | | | | | |
| Aug. 4 | [2]10.30 p.m. | 3.15 a.m. | .80 | 2.26 a.m. | 2.46 a.m. | .20 | .12 | .30 | .42 | .56 | | | | | | | | | | |
| Sept. 5 | 8.40 p.m. | [1]D. N. a.m. | .92 | 9.36 p.m. | 9.56 p.m. | .01 | .15 | .45 | .58 | .63 | | | | | | | | | | |
| Chicago, Ill.: | | | | | | | | | | | | | | | | | | | | |
| May 14 | 3.47 p.m. | 4.11 p.m. | .33 | 3.48 p.m. | 3.54 p.m. | .01 | .30 | .32 | | | | | | | | | | | | |
| July 19 | 11.24 a.m. | 12.29 p.m. | 1.13 | 11.36 a.m. | 12.12 p.m. | .01 | .12 | .16 | .21 | .56 | .79 | .90 | 1.05 | 1.08 | | | | | | |
| Aug. 10 | 6.03 p.m. | 8.25 p.m. | .71 | 6.37 p.m. | 6.45 p.m. | .20 | .30 | .36 | | | | | | | | | | | | |
| Sept. 5 | 5.45 p.m. | 7.58 p.m. | .55 | 5.48 p.m. | 6.08 p.m. | .01 | .17 | .31 | .37 | .42 | | | | | | | | | | |
| Green Bay, Wis.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 19 | 8.45 p.m. | 11.15 p.m. | .66 | 10.35 p.m. | 10.50 p.m. | .16 | .23 | .34 | .46 | | | | | | | | | | | |
| May 26 | 4.30 p.m. | 6.25 p.m. | .61 | 5.48 p.m. | 6.10 p.m. | .09 | .23 | .35 | .44 | .50 | .51 | | | | | | | | | |
| June 12 | 12.59 p.m. | 2.30 p.m. | .81 | 1.08 p.m. | 1.43 p.m. | .02 | .07 | .22 | .31 | .37 | .47 | .70 | .77 | | | | | | | |
| June 15 | 6.35 p.m. | 7.10 p.m. | .48 | 6.43 p.m. | 6.56 p.m. | .03 | .28 | .40 | .44 | | | | | | | | | | | |
| June 16 | 11.05 a.m. | 1.15 p.m. | .87 | 11.47 a.m. | 11.56 a.m. | .23 | .13 | .36 | | | | | | | | | | | | |
| July 16 | 1.25 a.m. | 2.30 a.m. | .87 | 1.31 a.m. | 2.06 a.m. | .01 | .10 | .21 | .24 | .29 | .37 | .60 | .79 | | | | | | | |
| July 22 | 5.20 a.m. | 6.10 a.m. | .56 | 5.23 a.m. | 5.42 a.m. | .01 | .11 | .26 | .40 | .45 | | | | | | | | | | |
| Sept. 26 | 10.24 a.m. | 10.50 a.m. | .33 | 10.29 a.m. | 10.39 a.m. | .02 | .15 | .31 | | | | | | | | | | | | |
| Milwaukee, Wis.: | | | | | | | | | | | | | | | | | | | | |
| July 22 | 7.10 p.m. | 9.15 p.m. | .76 | 7.33 p.m. | 7.52 p.m. | .11 | .24 | .35 | .40 | .48 | | | | | | | | | | |
| Aug. 3 | 12.55 p.m. | 4.30 p.m. | 1.86 | 1.47 p.m. | 3.03 p.m. | .07 | .19 | .29 | .35 | .39 | .61 | .68 | .70 | .73 | .74 | .88 | 1.06 | 1.63 | | |
| Aug. 10 | 8.15 a.m. | 10.50 a.m. | .81 | 8.15 a.m. | 8.41 a.m. | 0 | .16 | .26 | .39 | .52 | .66 | .68 | | | | | | | | |
| Aug. 10 | 3.05 p.m. | 5.15 p.m. | .77 | 3.15 p.m. | 3.28 p.m. | .01 | .34 | .52 | .58 | | | | | | | | | | | |
| Sept. 7 | [2]11.55 p.m. | 7.20 a.m. | 2.61 | 2.31 a.m. | 3.11 a.m. | .64 | .22 | .43 | .56 | .60 | .66 | .72 | .83 | .95 | | | | | | |
| Sept. 7 | [2]11.55 p.m. | 7.20 a.m. | 2.61 | 5.35 a.m. | 5.45 a.m. | 1.96 | .24 | .41 | | | | | | | | | | | | |

[1] On following date. [2] On previous date. [3] No excessive precipitation.

| 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 LAKE REGION—continued.** | | | | | | | | | | | | | | | | | | | | |
| **Duluth, Minn.:** | | | | | | | | | | | | | | | | | | | | |
| June 13 | D. N. a. m. | 10.30 a. m. | 1.57 | 6.07 a. m. | 6.42 a. m. | 0.68 | 0.09 | 0.20 | 0.25 | 0.31 | 0.37 | 0.45 | 0.55 | | | | | | | |
| June 22 | 12.37 p. m. | 5.30 p. m. | .63 | 1.55 p. m. | 2.05 p. m. | .05 | .24 | .31 | | | | | | | | | | | | |
| June 28 | 5.10 p. m. | [1] 7.10 a. m. | 1.32 | 5.46 p. m. | 6.01 p. m. | .04 | .26 | .39 | .48 | | | | | | | | | | | |
| July 10 | 9.25 p. m. | D. N. p. m. | .61 | 9.28 p. m. | 9.40 p. m. | .01 | .22 | .47 | .50 | | | | | | | | | | | |
| Sept. 5 | 6.00 a. m. | 11.55 a. m. | .79 | 11.06 a. m. | 11.27 a. m. | .05 | .19 | .42 | .61 | .69 | .72 | | | | | | | | | |
| **NORTH DAKOTA.** | | | | | | | | | | | | | | | | | | | | |
| **Moorhead, Minn.:** | | | | | | | | | | | | | | | | | | | | |
| June 28 | 5.40 p. m. | 11.15 p. m. | 1.88 | 5.52 p. m. | 6.27 p. m. | .03 | .13 | .42 | .64 | .91 | 1.07 | 1.28 | 1.36 | | | | | | | |
| July 6-7 | 11.45 p. m. | 3.10 a. m. | 1.71 | 11.47 p. m. | 12.15 a. m. | .01 | .32 | .73 | .92 | 1.09 | 1.18 | 1.23 | | | | | | | | |
| July 18 | 7.45 p. m. | [1] 1.15 a. m. | 1.90 | 8.21 p. m. | 8.55 p. m. | .06 | .16 | .40 | .80 | 1.07 | 1.24 | 1.31 | 1.37 | | | | | | | |
| July 21 | 6.40 a. m. | 7.05 a. m. | .58 | 6.48 a. m. | 7.01 a. m. | .02 | .12 | .46 | .56 | | | | | | | | | | | |
| **Bismarck, N. Dak.:** | | | | | | | | | | | | | | | | | | | | |
| July 17 | 12.50 a. m. | 3.10 a. m. | 1.40 | 2.06 a. m. | 2.23 a. m. | .17 | .25 | .55 | .97 | 1.11 | | | | | | | | | | |
| July 22 | 10.30 p. m. | D. N. p. m. | .43 | 11.11 p. m. | 11.26 p. m. | .05 | .09 | .28 | .37 | | | | | | | | | | | |
| **Devils Lake, N. Dak.:** | | | | | | | | | | | | | | | | | | | | |
| June 22 | 12.05 p. m. | [1] D. N. a. m. | 1.11 | 8.36 p. m. | 8.51 p. m. | .40 | .18 | .32 | .45 | | | | | | | | | | | |
| July 6 | 11.37 a. m. | 12.48 p. m. | .57 | 11.48 a. m. | 12.03 p. m. | .04 | .16 | .40 | .45 | | | | | | | | | | | |
| July 6 | 7.40 p. m. | D. N. p. m. | 1.30 | 7.59 p. m. | 8.32 p. m. | .02 | .19 | .38 | .59 | .81 | .96 | 1.02 | 1.06 | | | | | | | |
| July 29 | 1.17 a. m. | D. N. a. m. | .57 | 1.17 a. m. | 1.32 a. m. | 0 | .10 | .34 | .46 | | | | | | | | | | | |
| Aug. 2 | D. N. a. m. | D. N. a. m. | .54 | 1.09 a. m. | 1.17 a. m. | .01 | .27 | .30 | | | | | | | | | | | | |
| Aug. 3 | 7.40 p. m. | 8.30 p. m. | .77 | 7.49 p. m. | 8.09 p. m. | .02 | .23 | .33 | .62 | .71 | | | | | | | | | | |
| Aug. 8 | 6.15 p. m. | 6.45 p. m. | .33 | 6.29 p. m. | 6.37 p. m. | .01 | .20 | .30 | | | | | | | | | | | | |
| **Williston, N. Dak.:** | | | | | | | | | | | | | | | | | | | | |
| June 29 | 9.45 p. m. | 11.35 p. m. | .98 | 10.05 p. m. | (?) | .01 | [2] .40 | [2] .65 | [2] .85 | [2] .90 | (?) | (?) | | | | | | | | |
| Aug. 1 | 8.58 p. m. | 9.27 p. m. | .38 | 9.08 p. m. | 9.18 p. m. | .01 | .27 | .37 | | | | | | | | | | | | |
| **UPPER MISSISSIPPI VALLEY.** | | | | | | | | | | | | | | | | | | | | |
| **Minneapolis, Minn.:** | | | | | | | | | | | | | | | | | | | | |
| May 25 | 2.45 a. m. | 7.50 a. m. | 1.76 | 3.11 a. m. | 3.56 a. m. | .09 | .05 | .15 | .23 | .25 | .26 | .35 | .52 | 0.62 | 0.78 | | | | | |
| May 25 | 2.45 a. m. | 7.50 a. m. | 1.76 | 6.30 a. m. | 6.58 a. m. | .98 | .13 | .21 | .26 | .35 | .58 | .64 | | | | | | | | |
| May 26 | 2.50 a. m. | D. N. a. m. | .44 | 3.22 a. m. | 3.32 a. m. | .02 | .15 | .42 | | | | | | | | | | | | |
| June 29 | 12.55 a. m. | D. N. a. m. | 1.40 | 12.55 a. m. | 1.59 a. m. | 0 | .12 | .30 | .48 | .56 | .61 | .64 | .69 | .71 | .74 | 0.78 | 0.98 | 1.09 | | |
| **St. Paul, Minn.:** | | | | | | | | | | | | | | | | | | | | |
| May 25 | 3.00 a. m. | 7.35 a. m. | 1.27 | 3.39 a. m. | 4.07 a. m. | .07 | .06 | .19 | .35 | .41 | .46 | .51 | | | | | | | | |
| May 25 | 3.00 a. m. | 7.35 a. m. | 1.27 | 7.01 a. m. | 7.31 a. m. | .73 | .09 | .20 | .31 | .36 | .46 | .54 | | | | | | | | |
| June 25 | 5.28 p. m. | 9.30 p. m. | .85 | 6.52 p. m. | 6.45 p. m. | .11 | .18 | .43 | .49 | | | | | | | | | | | |
| **La Crosse, Wis.:** | | | | | | | | | | | | | | | | | | | | |
| June 25 | 11.27 p. m. | [1] D. N. a. m. | .68 | 11.28 p. m. | 11.37 p. m. | .01 | .30 | .39 | | | | | | | | | | | | |
| July 14 | 10.50 a. m. | 2.40 p. m. | .71 | 11.25 a. m. | 11.58 a. m. | .01 | .05 | .14 | .30 | .44 | .52 | .61 | .66 | | | | | | | |
| July 14 | 9.05 p. m. | [1] D. N. a. m. | 1.28 | 10.14 p. m. | 10.49 p. m. | .17 | .20 | .28 | .28 | .28 | .33 | .49 | .65 | | | | | | | |
| Aug. 4 | 6.38 p. m. | 7.10 p. m. | .45 | 6.52 p. m. | 7.06 p. m. | .01 | .17 | .33 | .43 | | | | | | | | | | | |
| Aug. 4 | 7.47 p. m. | D. N. p. m. | 2.08 | 8.01 p. m. | 8.36 p. m. | .02 | .27 | .46 | .69 | .78 | 1.07 | 1.18 | 1.29 | | | | | | | |
| Aug. 4 | 7.47 p. m. | D. N. p. m. | 2.08 | 10.34 p. m. | 11.02 p. m. | 1.54 | .15 | .26 | .36 | .42 | .47 | .53 | | | | | | | | |
| Aug. 10 | 3.48 a. m. | D. N. a. m. | .57 | 3.57 a. m. | 4.07 a. m. | .05 | .26 | .44 | | | | | | | | | | | | |
| Sept. 6 | 6.36 p. m. | D. N. p. m. | .79 | 6.41 p. m. | 6.55 p. m. | .01 | .26 | .37 | .46 | | | | | | | | | | | |
| Sept. 26 | 3.45 p. m. | 9.35 p. m. | 2.06 | 5.26 p. m. | 5.51 p. m. | .04 | .23 | .43 | .63 | .93 | 1.15 | | | | | | | | | |
| **Madison, Wis.:** | | | | | | | | | | | | | | | | | | | | |
| June 1 | 9.50 p. m. | D. N. p. m. | .37 | 10.38 p. m. | 11.18 p. m. | .09 | .09 | .13 | .22 | .29 | .40 | .45 | .62 | .77 | | | | | | |
| July 12 | 11.37 a. m. | 12.05 p. m. | .33 | 11.42 a. m. | 11.52 a. m. | .01 | .20 | .30 | | | | | | | | | | | | |
| July 16 | 5.15 a. m. | 6.30 a. m. | .90 | 5.25 a. m. | 5.40 a. m. | .01 | .28 | .47 | .60 | | | | | | | | | | | |
| July 19 | 10.25 p. m. | [1] 2.05 a. m. | 1.31 | 10.44 p. m. | 11.24 p. m. | .01 | .07 | .33 | .60 | .74 | .86 | .94 | 1.00 | 1.05 | | | | | | |
| Aug. 4 | 11.03 a. m. | 11.22 a. m. | .51 | 11.05 a. m. | 11.19 a. m. | .01 | .20 | .43 | .50 | | | | | | | | | | | |
| Aug. 4 | 9.20 p. m. | [1] D. N. a. m. | 2.01 | 10.38 p. m. | 11.44 p. m. | .70 | .10 | .28 | .49 | .62 | .74 | .85 | .89 | .91 | .91 | .94 | 1.17 | 1.31 | | |
| Aug. 5 | 4.07 a. m. | 4.55 a. m. | .49 | 4.11 a. m. | 4.22 a. m. | .01 | .33 | .42 | .45 | | | | | | | | | | | |
| Sept. 5 | 12.38 p. m. | 2.55 p. m. | .94 | 12.50 p. m. | 1.10 p. m. | .01 | .20 | .42 | .64 | .75 | | | | | | | | | | |
| Sept. 6 | 10.45 p. m. | [1] D. N. a. m. | 1.73 | 10.58 p. m. | 11.33 p. m. | .02 | .20 | .35 | .43 | .49 | .58 | .64 | .72 | | | | | | | |
| Sept. 7 | [2] 10.45 p. m. | D. N. a. m. | 1.73 | 12.21 a. m. | 12.38 a. m. | .90 | .15 | .23 | .29 | .46 | | | | | | | | | | |
| **Wausau, Wis.:** | | | | | | | | | | | | | | | | | | | | |
| July 1 | [2] 10.14 p. m. | 6.22 a. m. | 1.77 | 2.20 a. m. | 3.01 a. m. | .10 | .13 | .22 | .55 | .83 | 1.02 | 1.12 | 1.23 | 1.32 | 1.34 | | | | | |
| July 15 | D. N. a. m. | 5.00 a. m. | 1.85 | 2.05 a. m. | 3.04 a. m. | .03 | .05 | .09 | .25 | .26 | .29 | .34 | .45 | .57 | .78 | .95 | 1.10 | | | |
| July 15 | D. N. a. m. | 5.00 a. m. | 1.85 | 3.29 a. m. | 4.02 a. m. | 1.17 | .12 | .15 | .17 | .22 | .36 | .57 | .67 | | | | | | | |
| Aug. 10 | 5.11 a. m. | 7.27 a. m. | .73 | 5.12 a. m. | 5.27 a. m. | .01 | .26 | .49 | .60 | | | | | | | | | | | |
| Sept. 6 | 6.28 p. m. | [1] D. N. a. m. | 1.67 | 7.30 p. m. | 8.22 p. m. | .07 | .16 | .34 | .47 | .59 | .75 | .84 | .90 | 1.00 | 1.07 | 1.24 | 1.33 | | | |
| Sept. 20 | 6.32 p. m. | 6.53 p. m. | .40 | 6.36 p. m. | 6.41 p. m. | .01 | .38 | | | | | | | | | | | | | |
| **Charles City, Iowa:** | | | | | | | | | | | | | | | | | | | | |
| June 1 | 2.53 p. m. | 9.10 p. m. | 2.55 | 3.13 p. m. | 3.31 p. m. | .02 | .16 | .38 | .47 | .61 | | | | | | | | | | |
| June 1 | 2.53 p. m. | 9.10 p. m. | 2.55 | 5.45 p. m. | 6.19 p. m. | .89 | .13 | .40 | .85 | 1.04 | 1.20 | 1.31 | 1.37 | | | | | | | |
| June 14 | 4.35 p. m. | 4.41 p. m. | .35 | 4.35 p. m. | 4.40 p. m. | 0 | .35 | | | | | | | | | | | | | |
| July 3 | 3.40 a. m. | 4.45 a. m. | .54 | 4.18 a. m. | 4.33 a. m. | .15 | .12 | .28 | .38 | | | | | | | | | | | |
| Aug. 3 | 10.27 a. m. | 11.55 a. m. | .31 | 10.48 a. m. | 11.16 a. m. | .02 | .15 | .22 | .24 | .27 | .44 | .52 | | | | | | | | |
| Sept. 6 | 5.54 p. m. | 9.40 p. m. | 1.60 | 5.55 p. m. | 6.23 p. m. | .01 | .09 | .22 | .60 | .89 | .94 | 1.03 | | | | | | | | |
| Sept. 26 | 2.54 p. m. | 10.00 p. m. | 1.65 | 5.31 p. m. | 5.49 p. m. | .29 | .08 | .54 | .79 | .82 | | | | | | | | | | |
| **Davenport, Iowa:** | | | | | | | | | | | | | | | | | | | | |
| Sept. 5 | 4.38 p. m. | 7.15 p. m. | .67 | 6.24 p. m. | 6.37 p. m. | .14 | .31 | .40 | .44 | | | | | | | | | | | |
| **Des Moines, Iowa:** | | | | | | | | | | | | | | | | | | | | |
| May 29 | [2] 11.30 p. m. | 3.30 a. m. | .60 | 12.01 a. m. | 12.07 a. m. | .07 | .27 | .33 | | | | | | | | | | | | |
| July 13 | 3.07 p. m. | 5.40 p. m. | .95 | 4.28 p. m. | 4.48 p. m. | .45 | .12 | .23 | .30 | .48 | | | | | | | | | | |
| Aug. 12 | 1.12 p. m. | 4.17 p. m. | 1.08 | 1.49 p. m. | 2.17 p. m. | .02 | .17 | .35 | .41 | .58 | .67 | .71 | | | | | | | | |
| **Dubuque, Iowa:** | | | | | | | | | | | | | | | | | | | | |
| Mar. 25 | D. N. a. m. | 2.20 p. m. | .70 | 5.46 a. m. | 5.56 a. m. | .32 | .18 | .31 | | | | | | | | | | | | |
| Apr. 19 | 5.42 p. m. | 7.05 p. m. | .48 | 6.10 p. m. | 6.17 p. m. | .01 | .34 | .39 | | | | | | | | | | | | |
| May 29 | D. N. a. m. | 1.07 p. m. | .63 | 5.16 a. m. | 5.25 a. m. | .04 | .31 | .46 | | | | | | | | | | | | |
| June 1 | 7.55 p. m. | 10.25 p. m. | 1.21 | 9.26 p. m. | 9.59 p. m. | .05 | .24 | .50 | .71 | .87 | .98 | 1.08 | 1.12 | | | | | | | |

[1] On following date. [2] On previous date.

| 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. | | | | | | | | | | | | | | | | | | | | |
| Dubuque, Iowa—Continued. | | | | | | | | | | | | | | | | | | | | |
| Aug. 10 | 5.05 p. m. | 5.55 p. m. | 0.48 | 5.45 p. m. | 5.51 p. m. | 0.15 | 0.32 | 0.33 | | | | | | | | | | | | |
| Sept. 4 | D.N.a.m. | 8.35 a. m. | 2.02 | 5.07 a. m. | 5.41 a. m. | .08 | .15 | .34 | 0.64 | 0.78 | 0.94 | 1.00 | 1.06 | | | | | | | |
| Sept. 4 | D.N. a. m. | 8.35 a. m. | 2.02 | 7.51 a. m. | 8.14 a. m. | 1.32 | .16 | .35 | .48 | .61 | .66 | | | | | | | | | |
| Sept. 5 | 11.31 a. m. | 12.02 p.m. | .63 | 11.45 a. m. | 11.57 a. m. | .08 | .13 | .46 | .53 | | | | | | | | | | | |
| Sept. 5[1] | 12.27 p. m. | 1.08 p. m. | .82 | 12.35 p. m. | 1.03 p. m. | .01 | .05 | .11 | .16 | .27 | .66 | .81 | | | | | | | | |
| Sept. 11 | 9.46 p. m. | [2]D.N.a. m. | .74 | 9.49 p. m. | 10.32 p. m. | .01 | .18 | .25 | .27 | .36 | .43 | .46 | .54 | 0.62 | 0.66 | | | | | |
| Keokuk, Iowa: | | | | | | | | | | | | | | | | | | | | |
| May 24 | D.N.a. m. | 7.30 a. m. | 1.85 | 4.41 a. m. | 4.57 a. m. | .61 | .17 | .31 | .41 | .46 | | | | | | | | | | |
| May 24 | D.N.a. m. | 7.30 a. m. | 1.85 | 6.19 a. m. | 6.40 a. m. | 1.25 | .09 | .23 | .34 | .44 | .48 | | | | | | | | | |
| May 26 | 8.00 p. m. | 9.23 p. m. | .88 | 9.12 p. m. | 9.22 p. m. | .29 | .29 | .58 | | | | | | | | | | | | |
| June 20 | 2.30 p. m. | 4.50 p. m. | 1.40 | 3.36 p. m. | 4.04 p. m. | .20 | .17 | .50 | .83 | 1.04 | 1.10 | 1.17 | | | | | | | | |
| Aug. 7 | 5.25 p. m. | 6.50 p. m. | 1.12 | 6.05 p. m. | 6.33 p. m. | .12 | .16 | .38 | .60 | .77 | .93 | .97 | | | | | | | | |
| Aug. 10-11 | 10.10 p. m. | 3.10 a. m. | .90 | 11.56 p. m. | 12.17 a. m. | .16 | .08 | .14 | .33 | .57 | .61 | | | | | | | | | |
| Aug. 11 | 4.55 p. m. | 6.50 p. m. | 1.26 | 4.55 p. m. | 5.18 p. m. | 0 | .59 | .91 | 1.01 | 1.09 | 1.13 | | | | | | | | | |
| Sept. 11 | 6.30 p. m. | 8.10 p. m. | 1.23 | 6.43 p. m. | 7.27 p. m. | .01 | .10 | .21 | .25 | .32 | .40 | .65 | .82 | 1.01 | 1.10 | | | | | |
| Cairo, Ill.: | | | | | | | | | | | | | | | | | | | | |
| Jan. 30 | 7.05 p. m. | [3]3.45 a. m. | 2.54 | 7.57 p. m. | 8.47 p. m. | .17 | .10 | .21 | .32 | .38 | .42 | .50 | .58 | .71 | .75 | 0.81 | | | | |
| May 15 | 12.45 a. m. | D.N.a. m. | .91 | 1.30 a. m. | 1.51 a. m. | .14 | .07 | .20 | .34 | .48 | .51 | | | | | | | | | |
| May 21 | 3.40 a. m. | 11.12 a. m. | .91 | 3.46 a. m. | 3.59 a. m. | .03 | .15 | .26 | .39 | | | | | | | | | | | |
| June 2 | 5.53 p. m. | 6.45 p. m. | 1.20 | 6.00 p. m. | 6.40 p. m. | .01 | .07 | .26 | .39 | .43 | .63 | .90 | 1.12 | 1.19 | | | | | | |
| June 6 | [1]8.07 p. m. | D.N.a. m. | 1.17 | 1.43 a. m. | 1.55 a. m. | .55 | .22 | .47 | .56 | | | | | | | | | | | |
| June 22 | 5.58 p. m. | 7.55 p. m. | .72 | 7.12 p. m. | 7.34 p. m. | .17 | .16 | .35 | .43 | .49 | .53 | | | | | | | | | |
| June 23 | 4.30 p. m. | 7.52 p. m. | .77 | 4.30 p. m. | 4.55 p. m. | 0 | .10 | .25 | .43 | .54 | .59 | | | | | | | | | |
| Aug. 22 | 12.41 p. m. | 1.13 p. m. | .75 | 12.49 p. m. | 1.06 p. m. | .01 | .32 | .58 | .70 | .73 | | | | | | | | | | |
| Dec. 8 | 12.50 a. m. | 6.20 a. m. | 1.04 | 1.44 a. m. | 1.51 a. m. | .04 | .26 | .31 | | | | | | | | | | | | |
| Peoria, Ill.: | | | | | | | | | | | | | | | | | | | | |
| May 14 | [3]D.N.p. m. | 5.00 a. m. | 1.36 | 2.30 a. m. | 2.51 a. m. | .72 | .13 | .27 | .37 | .42 | .46 | | | | | | | | | |
| May 26 | 8.45 p. m. | 11.35 p. m. | .66 | 8.55 p. m. | 9.13 p. m. | .03 | .07 | .20 | .31 | .40 | | | | | | | | | | |
| May 27 | 12.35 a. m. | 5.50 a. m. | 1.09 | 1.03 a. m. | 1.29 a. m. | .04 | .08 | .18 | .27 | .44 | .55 | .59 | | | | | | | | |
| Aug. 7 | 2.22 p. m. | 3.55 p. m. | .85 | 2.32 p. m. | 3.01 p. m. | .05 | .20 | .38 | .49 | .63 | .69 | .75 | | | | | | | | |
| Aug. 10 | 10.08 p. m. | [2]4.00 a. m. | 3.68 | 10.15 p. m. | 10.44 p. m. | .01 | .13 | .41 | .73 | .94 | 1.03 | 1.15 | | | | | | | | |
| Aug. 10 | 10.08 p. m. | [2]4.00 a. m. | 3.68 | 11.16 p. m. | 11.50 p. m. | 1.20 | .20 | .27 | .29 | .43 | .63 | .80 | .91 | | | | | | | |
| Aug. 11 | [2]10.08 p. m. | 4.00 a. m. | 3.68 | 12.50 a. m. | 1.40 a. m. | 2.22 | .05 | .18 | .30 | .33 | .42 | .59 | .87 | 1.05 | 1.17 | 1.27 | | | | |
| Sept. 5 | 8.17 p. m. | [2]5.00 a. m. | 1.35 | 8.37 p. m. | 9.05 p. m. | .01 | .33 | .45 | .52 | .70 | .79 | .84 | | | | | | | | |
| Sept. 12 | 3.43 p. m. | 5.30 p. m. | .85 | 3.51 p. m. | 4.15 p. m. | .03 | .15 | .33 | .49 | .50 | .59 | | | | | | | | | |
| Springfield, Ill.: | | | | | | | | | | | | | | | | | | | | |
| May 24 | 7.50 a. m. | 10.05 a. m. | .62 | 9.06 a. m. | 9.18 a. m. | .04 | .26 | .48 | .53 | | | | | | | | | | | |
| June 6 | 7.50 a. m. | 4.50 p. m. | .71 | 9.14 a. m. | 9.43 a. m. | .03 | .08 | .20 | .28 | .37 | .42 | .51 | | | | | | | | |
| June 16 | 3.20 p. m. | 4.05 p. m. | .39 | 3.41 p. m. | 3.54 p. m. | .01 | .18 | .30 | .37 | | | | | | | | | | | |
| Aug. 2 | 4.53 a. m. | 5.55 a. m. | .54 | 4.55 a. m. | 5.19 a. m. | .01 | .09 | .17 | .25 | .40 | .49 | | | | | | | | | |
| Aug. 3 | 3.40 p. m. | 6.35 p. m. | .55 | 3.51 p. m. | 4.00 p. m. | .01 | .24 | .49 | | | | | | | | | | | | |
| Aug. 7 | 5.45 p. m. | D.N.p. m. | .92 | 5.50 p. m. | 6.26 p. m. | .01 | .11 | .20 | .21 | .28 | .48 | .62 | .71 | .72 | | | | | | |
| Aug. 11 | 7.09 p. m. | 10.15 p. m. | .62 | 7.11 p. m. | 7.26 p. m. | .01 | .20 | .37 | .44 | | | | | | | | | | | |
| Hannibal, Mo.: | | | | | | | | | | | | | | | | | | | | |
| May 27 | D.N.a. m. | D.N.a. m. | .93 | 12.34 a. m. | 12.50 a. m. | .01 | .37 | .60 | .66 | .69 | | | | | | | | | | |
| June 1 | D.N.a. m. | D.N.a. m. | .86 | 2.41 a. m. | 3.01 a. m. | .06 | .11 | .31 | .35 | .42 | | | | | | | | | | |
| June 20 | 3.14 p. m. | 3.42 p. m. | .45 | 3.21 p. m. | 3.32 p. m. | .02 | .23 | .40 | .43 | | | | | | | | | | | |
| Aug. 11 | 5.22 p. m. | 6.59 p. m. | .56 | 5.31 p. m. | 5.46 p. m. | .01 | .21 | .40 | .47 | | | | | | | | | | | |
| Aug. 12 | 10.05 p. m. | [2]9.18 p. m. | 3.11 | 10.41 p. m. | 11.37 p. m. | .09 | .07 | .23 | .32 | .42 | .51 | .57 | .62 | .74 | .94 | 1.11 | 1.30 | | | |
| Aug. 15 | [3]6.55 p. m. | 8.05 a. m. | 3.90 | 12.20 a. m. | 1.57 a. m. | .80 | .22 | .50 | .61 | .63 | .66 | .70 | .74 | .81 | 1.01 | 1.11 | 1.44 | 1.80 | 2.04 | |
| Aug. 15 | [3]6.55 p. m. | 8.05 a. m. | 3.90 | 2.42 a. m. | 3.02 a. m. | 2.96 | .08 | .30 | .40 | .47 | | | | | | | | | | |
| St. Louis, Mo.: | | | | | | | | | | | | | | | | | | | | |
| Mar. 25 | 6.59 a. m. | 11.05 a. m. | .53 | 6.59 a. m. | 7.07 a. m. | 0 | .21 | .33 | | | | | | | | | | | | |
| June 2 | 8.34 a. m. | 9.32 a. m. | .80 | 8.41 a. m. | 0.01 a. m. | .01 | .26 | .53 | .69 | .76 | | | | | | | | | | |
| June 6 | 12.03 p. m. | 2.42 p. m. | .39 | 12.52 p. m. | 1.06 p. m. | .01 | .21 | .33 | .38 | | | | | | | | | | | |
| July 19 | 1.54 p. m. | 2.44 p. m. | .81 | 2.03 p. m. | 2.20 p. m. | .01 | .29 | .48 | .70 | .75 | | | | | | | | | | |
| Aug. 11 | 8.03 p. m. | 10.15 p. m. | .94 | 8.10 p. m. | 8.25 p. m. | .01 | .27 | .62 | .88 | | | | | | | | | | | |
| Aug. 12 | 8.38 p. m. | [2]D. N. a. m. | 1.97 | 8.42 p. m. | 9.25 p. m. | .01 | .12 | .35 | .73 | 1.14 | 1.36 | 1.52 | 1.65 | 1.78 | 1.83 | | | | | |
| Aug. 14 | D. N. a. m. | 12.20 p. m. | 1.52 | 6.41 a. m. | 7.15 a. m. | .49 | .12 | .39 | .60 | .63 | .67 | .69 | .81 | | | | | | | |
| Aug. 14 | 10.25 p. m. | [2]7.38 a. m. | 3.88 | 10.44 p. m. | 11.30 p. m. | .01 | .19 | .62 | .86 | .97 | 1.07 | 1.30 | 1.49 | 1.72 | 1.94 | 1.98 | | | | |
| Sept. 7 | 1.57 p. m. | 7.24 p. m. | .88 | 1.57 p. m. | 2.23 p. m. | 0 | .18 | .28 | .37 | .53 | .59 | .63 | | | | | | | | |
| Sept. 27 | 4.08 p. m. | 7.45 p. m. | 1.11 | 4.27 p. m. | 4.37 p. m. | .02 | .28 | .81 | | | | | | | | | | | | |
| Oct. 30 | 6.44 p. m. | 8.10 p. m. | .68 | 6.44 p. m. | 6.58 p. m. | 0 | .42 | .55 | .60 | | | | | | | | | | | |
| MISSOURI VALLEY. | | | | | | | | | | | | | | | | | | | | |
| Columbia, Mo.: | | | | | | | | | | | | | | | | | | | | |
| June 2 | 6.31 a. m. | 7.07 a. m. | .50 | 6.37 a.m. | 6.48 a. m. | .01 | .36 | .46 | .48 | | | | | | | | | | | |
| June 23 | 10.12 a. m. | 11.27 a. m. | .62 | 10.33 a. m. | 11.04 a. m. | .06 | .06 | .12 | .22 | .32 | .46 | .51 | .54 | | | | | | | |
| Sept. 27 | 2.15 a. m. | D. N. a. m. | 1.41 | 3.22 a. m. | 4.22 a. m. | .07 | .15 | .16 | .32 | .58 | .72 | .76 | .78 | .84 | .87 | .89 | 1.06 | | | |
| Kansas City, Mo.: | | | | | | | | | | | | | | | | | | | | |
| Jan. 20 | 9.40 a. m. | [2]4.45 a. m. | .93 | 10.14 p. m. | 10.30 p. m. | .04 | .10 | .30 | .38 | .42 | | | | | | | | | | |
| May 26 | 10.05 p. m. | D. N. p. m. | .99 | 10.52 p. m. | 11.20 p. m. | .01 | .12 | .30 | .45 | .67 | .90 | .96 | | | | | | | | |
| May 27 | 5.52 a. m. | 8.55 a. m. | 1.68 | 6.05 a. m. | 6.32 a. m. | .02 | .13 | .31 | .41 | .61 | .93 | .97 | | | | | | | | |
| Aug. 2 | 6.56 p. m. | 8.40 p. m. | .71 | 6.59 p. m. | 7.17 p. m. | .02 | .16 | .34 | .43 | .48 | | | | | | | | | | |
| Aug. 13-14 | 10.48 p. m. | D. N. a. m. | 1.78 | 11.49 p. m. | 12.40 a. m. | .29 | .13 | .26 | .34 | .42 | .49 | .52 | .58 | .71 | .85 | .89 | .93 | | | |
| Aug. 14 | [3]10.48 p. m. | D. N. a. m. | 1.78 | 2.42 a. m. | 2.53 a. m. | 1.42 | .20 | .31 | .35 | | | | | | | | | | | |
| Sept. 27 | [3]10.05 p. m. | 3.20 a. m. | 1.49 | 1.33 a. m. | 2.04 a. m. | .17 | .05 | .13 | .26 | .50 | .65 | .76 | .79 | | | | | | | |
| Sept. 27 | [3]10.05 p. m. | 3.20 a. m. | 1.49 | 2.40 a. m. | 3.00 a. m. | .98 | .09 | .25 | .40 | .50 | | | | | | | | | | |
| Oct. 24 | D. N. a. m. | 11.05 a. m. | 2.22 | 7.27 a. m. | 8.16 a. m. | .58 | .06 | .11 | .20 | .26 | .32 | .47 | .57 | .60 | .67 | .75 | | | | |
| St. Joseph, Mo.: | | | | | | | | | | | | | | | | | | | | |
| Mar. 24 | 9.25 p. m. | [2]D. N. a. m. | 1.53 | 10.02 p. m. | 10.25 p. m. | .06 | .16 | .20 | .40 | .72 | .81 | | | | | | | | | |
| May 12 | 2.55 p. m. | [2]D. N. a. m. | 1.47 | 8.44 p. m. | 9.27 p. m. | .42 | .09 | .27 | .38 | .48 | .53 | .62 | .78 | .93 | | | | | | |
| July 4 | 11.30 a. m. | 12.15 p. m. | .47 | 11.35 a. m. | 11.52 a. m. | .02 | .14 | .31 | .40 | .42 | | | | | | | | | | |
| Aug. 14 | [3]7.05 p. m. | 6.30 a. m. | 2.35 | 3.01 a. m. | 3.22 a. m. | .82 | .25 | .49 | .54 | .62 | .66 | | | | | | | | | |
| Aug. 14 | [3]7.05 p. m. | 6.30 a. m. | 2.35 | 5.14 a. m. | 5.52 a. m. | 1.61 | .15 | .29 | .34 | .37 | .43 | .47 | .56 | .64 | | | | | | |
| Sept. 12 | [3]5.40 p. m. | D. N. a. m. | 1.13 | 1.27 a. m. | 1.48 a. m. | .15 | .28 | .45 | .51 | .59 | .62 | | | | | | | | | |

[1] Record defective. [2] On following date. [3] On previous date.

| Station and date. | Total duration. From— | Total duration. To— | Total amount of precipitation (inches). | Excessive rate. Began— | Excessive rate. Ended— | Amount before excessive rate began (inches). | Accumulated amounts of precipitation (in inches) during periods of time indicated. 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. | | | | | | | | | | | | | | | | | | | | |
| Springfield, Mo.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 20 | D. N. a. m. | 10.20 a. m. | 1.24 | 1.59 a. m. | 2.08 a. m. | 0.13 | 0.31 | 0.36 | | | | | | | | | | | | |
| July 28 | 1.50 p. m. | 1.28 p. m. | .51 | 1.50 p. m. | 1.59 p. m. | 0 | .19 | .37 | | | | | | | | | | | | |
| Aug. 2 | 3.17 p. m. | 5.40 p. m. | 1.85 | 3.44 p. m. | 4.31 p. m. | .01 | .16 | .23 | 0.43 | 0.57 | 0.73 | 0.90 | 1.08 | 1.43 | 1.70 | 1.78 | | | | |
| Aug. 9 | 12.25 p. m. | 1.45 p. m. | 1.11 | 12.31 p. m. | 1.30 p. m. | .01 | .15 | .35 | .63 | .64 | .64 | .65 | .74 | .80 | .82 | .90 | 1.08 | | | |
| Aug. 9 | 3.02 p. m. | 7.30 p. m. | .90 | 3.40 p. m. | 3.55 p. m. | .12 | .25 | .51 | .62 | | | | | | | | | | | |
| Iola, Kans.: | | | | | | | | | | | | | | | | | | | | |
| June 5 | 5.35 p. m. | 11.43 p. m. | .93 | 8.59 p. m. | 9.32 p. m. | .14 | .09 | .17 | .28 | .37 | .44 | .57 | .64 | | | | | | | |
| June 10 | 9.05 a. m. | 2.44 p. m. | 1.48 | 10.46 a. m. | 11.01 a. m. | .17 | .07 | .18 | .41 | | | | | | | | | | | |
| June 10 | 9.05 a. m. | 2.44 p. m. | 1.48 | 12.54 p. m. | 1.09 p. m. | .74 | .23 | .42 | .47 | | | | | | | | | | | |
| June 11 | [1] 10.01 p. m. | 6.42 a. m. | 2.56 | 1.41 a. m. | 2.26 a. m. | .53 | .15 | .33 | .45 | .50 | .54 | .61 | .71 | .73 | .83 | | | | | |
| June 11 | [1] 10.01 p. m. | 6.42 a. m. | 2.56 | 3.12 a. m. | 3.58 a. m. | 1.51 | .05 | .14 | .24 | .28 | .32 | .37 | .44 | .54 | .66 | .70 | | | | |
| Aug. 7 | 5.35 p. m. | 7.45 p. m. | 1.17 | 5.51 p. m. | 6.17 p. m. | .01 | .07 | .12 | .23 | .41 | .70 | .73 | | | | | | | | |
| Sept. 11 | 6.26 p. m. | 8.04 p. m. | 1.20 | 7.13 p. m. | 7.37 p. m. | .02 | .51 | .76 | .95 | 1.10 | 1.16 | | | | | | | | | |
| Sept. 11 | 8.25 p. m. | 9.28 p. m. | 1.81 | 8.27 p. m. | 9.14 p. m. | .01 | .19 | .45 | .79 | 1.02 | 1.08 | 1.12 | 1.31 | 1.47 | 1.70 | 1.80 | | | | |
| Sept. 11-12 | 10.45 p. m. | D. N. a. m. | 1.42 | 11.39 p. m. | 12.30 a. m. | .22 | .14 | .23 | .27 | .36 | .60 | .68 | .72 | .85 | .91 | 1.14 | 1.19 | | | |
| Topeka, Kans.: | | | | | | | | | | | | | | | | | | | | |
| May 27 | 4.33 a. m. | 7.40 a. m. | 1.31 | 4.35 a. m. | 5.15 a. m. | .01 | .14 | .34 | .47 | .58 | .63 | .69 | .73 | .79 | | | | | | |
| June 26 | 12.35 a. m. | D. N. a. m. | .70 | 12.48 a. m. | 1.14 a. m. | .01 | .12 | .26 | .35 | .44 | .51 | .55 | | | | | | | | |
| Sept. 11 | 7.08 a. m. | 10.05 a. m. | .55 | 8.46 a. m. | 9.08 a. m. | .02 | .08 | .15 | .28 | .42 | .47 | | | | | | | | | |
| Nov. 8 | [1] D. N. p. m. | 3.45 p. m. | 2.11 | 12.01 a. m. | 12.23 a. m. | .01 | .13 | .16 | .29 | .41 | .45 | | | | | | | | | |
| Drexel, Nebr.: | | | | | | | | | | | | | | | | | | | | |
| May 13 | 4.15 p. m. | [2] D. N. a. m. | 1.10 | 10.09 p. m. | 10.56 p. m. | .31 | .09 | .15 | .20 | .21 | .30 | .35 | .48 | .71 | .76 | .79 | | | | |
| May 31 | 6.38 p. m. | 7.55 p. m. | 1.50 | 7.01 p. m. | 7.32 p. m. | .07 | .16 | .39 | .66 | .93 | 1.19 | 1.39 | 1.40 | | | | | | | |
| May 31 | 8.13 p. m. | D. N. p. m. | .94 | 8.51 p. m. | 9.11 p. m. | .09 | .07 | .16 | .41 | .57 | | | | | | | | | | |
| June 25 | 8.35 p. m. | [2] D. N. a. m. | 1.11 | 9.27 p. m. | 9.55 p. m. | .01 | .22 | .43 | .57 | .66 | .80 | .89 | | | | | | | | |
| Aug. 1 | [1] 11.00 p. m. | 11.45 a. m. | 1.37 | 2.04 a. m. | 2.31 a. m. | .09 | .07 | .24 | .47 | .55 | .66 | .69 | | | | | | | | |
| Lincoln, Nebr.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 19 | 6.52 p. m. | [2] 9.25 a. m. | 1.83 | 7.11 p. m. | 7.41 p. m. | .02 | [3] .09 | [3] .30 | [3] .60 | [3] .82 | [3] .91 | [3] .97 | | | | | | | | |
| July 16 | 2.11 p. m. | 4.02 p. m. | .90 | 2.18 p. m. | 2.56 p. m. | .01 | .11 | .19 | .20 | .28 | .44 | .65 | .74 | .78 | | | | | | |
| Aug. 1 | [1] 11.50 p. m. | 6.28 a. m. | 1.81 | 12.47 a. m. | 1.02 a. m. | .13 | .20 | .48 | .60 | | | | | | | | | | | |
| Aug. 1 | [1] 11.50 p. m. | 6.28 a. m. | 1.81 | 4.45 a. m. | 5.07 a. m. | 1.27 | .10 | .18 | .30 | .43 | .45 | | | | | | | | | |
| Aug. 3 | 1.00 a. m. | 4.50 a. m. | .67 | 3.22 a. m. | 3.34 a. m. | .07 | .27 | .46 | .54 | | | | | | | | | | | |
| Aug. 14 | 6.03 a. m. | 11.30 a. m. | .91 | 6.38 a. m. | 6.54 a. m. | .18 | .16 | .32 | .45 | .48 | | | | | | | | | | |
| Omaha, Nebr.: | | | | | | | | | | | | | | | | | | | | |
| Apr. 18 | 4.10 a. m. | 5.30 a. m. | 1.10 | 4.28 a. m. | 5.13 a. m. | .05 | .08 | .20 | .38 | .52 | .59 | .63 | .86 | .96 | 1.03 | | | | | |
| May 31 | 7.35 p. m. | 8.30 p. m. | .84 | 7.49 p. m. | 8.23 p. m. | .04 | .08 | .16 | .29 | .40 | .49 | .66 | .79 | | | | | | | |
| June 25 | 9.30 p. m. | 12.00 Mid. | 1.10 | 9.59 p. m. | 10.16 p. m. | .01 | .19 | .64 | .85 | .87 | | | | | | | | | | |
| Aug. 1 | 2.20 a. m. | 12.15 p. m. | 1.00 | 2.27 a. m. | 2.52 a. m. | .01 | .12 | .21 | .33 | .43 | .52 | | | | | | | | | |
| Valentine, Nebr.: | | | | | | | | | | | | | | | | | | | | |
| May 24 | [1] 9.45 p. m. | 5.20 a. m. | 1.56 | 1.36 a. m. | 1.50 a. m. | .01 | .19 | .42 | .50 | | | | | | | | | | | |
| June 12 | 2.35 p. m. | 5.35 p. m. | .69 | 3.42 p. m. | 4.02 p. m. | .08 | .11 | .37 | .51 | .58 | | | | | | | | | | |
| June 17 | 8.10 p. m. | 9.40 p. m. | .59 | 8.57 p. m. | 9.14 p. m. | .01 | .21 | .38 | .50 | .56 | | | | | | | | | | |
| July 11 | [1] D. N. p. m. | 8.15 a. m. | 1.36 | 3.25 a. m. | 3.44 a. m. | .33 | .14 | .29 | .39 | .44 | | | | | | | | | | |
| Aug. 20 | 3.55 p. m. | [2] D. N. a. m. | 3.33 | 4.19 p. m. | 4.36 p. m. | .03 | .12 | .44 | .59 | .64 | | | | | | | | | | |
| Sioux City, Iowa: | | | | | | | | | | | | | | | | | | | | |
| June 22 | 8.15 p. m. | [2] D. N. a. m. | .51 | 8.50 p. m. | 9.00 p. m. | .02 | .19 | .31 | | | | | | | | | | | | |
| July 4 | 4.50 a. m. | 8.20 a. m. | 1.96 | 5.16 a. m. | 6.06 a. m. | .02 | .08 | .23 | .39 | .59 | .85 | 1.08 | 1.38 | 1.64 | 1.79 | 1.85 | | | | |
| July 13 | 7.25 p. m. | 9.30 p. m. | 1.25 | 7.33 p. m. | 8.18 p. m. | .01 | .23 | .41 | .50 | .62 | .79 | .87 | 1.02 | 1.09 | 1.15 | | | | | |
| Aug. 6 | 9.00 p. m. | D. N. a. m. | 1.17 | 9.10 p. m. | 9.30 p. m. | .05 | .23 | .54 | .76 | .84 | | | | | | | | | | |
| Aug. 9 | 10.20 p. m. | [2] D. N. a. m. | .58 | 10.29 p. m. | 10.47 p. m. | .03 | .10 | .26 | .35 | .41 | | | | | | | | | | |
| Sept. 10 | [1] 6.30 p. m. | [2] 4.35 a. m. | 1.86 | 12.41 a. m. | 1.02 a. m. | 1.00 | .20 | .28 | .37 | .54 | .58 | | | | | | | | | |
| Huron, S. Dak. | | | | | | | | | | | | | | | | | | | | |
| Aug. 4 | 6.37 a. m. | 10.50 a. m. | .82 | 7.21 a. m. | 7.40 a. m. | .07 | .16 | .38 | .60 | .69 | | | | | | | | | | |
| Aug. 9 | 5.50 p. m. | 6.40 p. m. | .95 | 6.05 p. m. | 6.37 p. m. | .02 | .17 | .35 | .45 | .59 | .71 | .84 | .93 | | | | | | | |
| Aug. 20 | 6.18 p. m. | [2] 6.05 a. m. | 2.42 | 7.04 p. m. | 7.27 p. m. | .03 | .27 | .39 | .49 | .55 | .62 | | | | | | | | | |
| Sept. 6 | 8.05 p. m. | D. N. p. m. | .71 | 8.13 p. m. | 8.27 p. m. | .03 | .19 | .40 | .48 | | | | | | | | | | | |
| Pierre, S. Dak.: | | | | | | | | | | | | | | | | | | | | |
| May 28 | 1.20 p. m. | 2.45 p. m. | .58 | 1.56 p. m. | 2.21 p. m. | .03 | .09 | .20 | .26 | .46 | .53 | | | | | | | | | |
| July 16 | 1.05 a. m. | 6.25 a. m. | 1.33 | 2.10 a. m. | 2.37 a. m. | .03 | .21 | .55 | .78 | .91 | 1.00 | 1.04 | | | | | | | | |
| July 29 | 8.34 p. m. | 10.35 p. m. | .56 | 9.16 p. m. | 9.26 p. m. | .01 | .23 | .49 | | | | | | | | | | | | |
| Sept. 6 | 5.55 p. m. | 6.58 p. m. | .64 | 6.01 p. m. | 6.13 p. m. | T. | .25 | .45 | .53 | | | | | | | | | | | |
| Yankton, S. Dak.: | | | | | | | | | | | | | | | | | | | | |
| June 11 | 7.40 a. m. | 10.45 a. m. | 1.25 | 7.55 a. m. | 8.17 a. m. | .04 | .25 | .45 | .48 | .55 | .62 | | | | | | | | | |
| June 11 | 8.50 p. m. | 11.30 p. m. | .45 | 9.02 p. m. | 9.07 p. m. | .04 | .25 | | | | | | | | | | | | | |
| June 21 | 8.42 a. m. | 10.50 a. m. | .67 | 9.25 a. m. | 9.35 a. m. | .03 | .21 | .32 | | | | | | | | | | | | |
| June 22 | 6.40 p. m. | 10.15 p. m. | 1.39 | 6.57 p. m. | 7.32 p. m. | .02 | .11 | .33 | .49 | .62 | .80 | .92 | 1.00 | | | | | | | |
| July 4 | 2.35 a. m. | 5.00 a. m. | 2.52 | 2.42 a. m. | 4.37 a. m. | .02 | .09 | .17 | .34 | .47 | .50 | .53 | .55 | .55 | .60 | .67 | .76 | 1.02 | 1.76 | 2.49 |
| July 12 | [1] 10.45 p. m. | 6.30 a. m. | .61 | 1.21 a. m. | 1.31 a. m. | .06 | .21 | .30 | | | | | | | | | | | | |
| Aug. 5 | 12.10 a. m. | 1.00 a. m. | .45 | 12.13 a. m. | 12.30 a. m. | .01 | .13 | .27 | .37 | .40 | | | | | | | | | | |
| Aug. 6 | 11.10 p. m. | [2] 12.10 a. m. | .61 | 11.15 p. m. | 11.35 p. m. | .01 | .10 | .22 | .44 | .58 | | | | | | | | | | |
| Sept. 10 | 12.15 a. m. | 3.30 a. m. | .77 | 12.36 a. m. | 1.02 a. m. | .10 | .13 | .32 | .39 | .44 | .58 | .60 | | | | | | | | |
| NORTHERN SLOPE. | | | | | | | | | | | | | | | | | | | | |
| Havre, Mont.: | | | | | | | | | | | | | | | | | | | | |
| July 2 | 6.35 p. m. | 7.40 p. m. | .99 | 6.38 p. m. | 7.01 p. m. | T. | .30 | .48 | .70 | .88 | .93 | | | | | | | | | |
| July 9 | 5.54 p. m. | 7.56 p. m. | .79 | 5.57 p. m. | 6.20 p. m. | .02 | .20 | .32 | .42 | .46 | .54 | | | | | | | | | |
| July 17 | 5.01 p. m. | 6.48 p. m. | .83 | 5.01 p. m. | 5.15 p. m. | 0 | .24 | .47 | .57 | | | | | | | | | | | |
| July 26 | 6.05 p. m. | 8.30 p. m. | 1.86 | 6.11 p. m. | 7.26 p. m. | .01 | (3) .30 | (3) .50 | (3) .75 | (3) .90 | (3) 1.00 | (3) 1.10 | (3) 1.20 | (3) 1.40 | (3) 1.50 | (3) 1.55 | (3) 1.60 | (3) 1.65 | (3) 1.70 | (3) 1.80 |
| Helena, Mont.: | | | | | | | | | | | | | | | | | | | | |
| July 17 | 1.26 p. m. | 2.47 p. m. | .82 | 1.28 p. m. | 1.42 p. m. | .01 | .26 | .60 | .76 | | | | | | | | | | | |
| Aug. 8 | 12.40 p. m. | 4.20 p. m. | .64 | 1.56 p. m. | 2.06 p. m. | .18 | .26 | .34 | | | | | | | | | | | | |
| Sept. 3 | 6.07 a. m. | 12.15 p. m. | .86 | 6.18 a. m. | 6.32 a. m. | .04 | .21 | .40 | .48 | | | | | | | | | | | |
| Kalispell, Mont.: [4] | | | | | | | | | | | | | | | | | | | | |
| Rapid City, S. Dak.: | | | | | | | | | | | | | | | | | | | | |
| Aug. 16 | 4.42 p. m. | 5.38 p. m. | 1.00 | 4.48 p. m. | 5.12 p. m. | .02 | .15 | .46 | .70 | .85 | .98 | | | | | | | | | |
| Cheyenne, Wyo.: | | | | | | | | | | | | | | | | | | | | |
| July 29 [3] | 1.04 p. m. | 3.20 p. m. | .90 | 1.19 p. m. | 1.25 p. m. | .01 | .27 | .31 | | | | | | | | | | | | |
| Aug. 15 | 2.50 p. m. | 3.50 p. m. | .64 | 3.07 p. m. | 3.22 p. m. | .03 | .16 | .41 | .58 | | | | | | | | | | | |

[1] On previous date. [2] On following date. [3] Record defective. [4] No excessive precipitation.

| 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. | | | | | | | | | | | | | | | | | | | | |
| Lander, Wyo.[1] | | | | | | | | | | | | | | | | | | | | |
| Sheridan, Wyo.[1] | | | | | | | | | | | | | | | | | | | | |
| Yellowstone Park, Wyo.[1] | | | | | | | | | | | | | | | | | | | | |
| North Platte, Nebr.: | | | | | | | | | | | | | | | | | | | | |
| June 10 | D. N. a. m. | 6.05 a. m. | 0.67 | 3.44 a. m. | 3.54 a. m. | 0.09 | 0.15 | 0.39 | | | | | | | | | | | | |
| MIDDLE SLOPE. | | | | | | | | | | | | | | | | | | | | |
| Denver, Colo.: | | | | | | | | | | | | | | | | | | | | |
| Aug. 12 | 5.20 p. m. | 6.50 p. m. | .49 | 6.08 p. m. | 6.24 p. m. | .06 | .12 | .24 | 0.36 | 0.42 | | | | | | | | | | |
| Aug. 21 | 9.20 p. m. | 10.50 p. m. | .45 | 10.11 p. m. | 10.28 p. m. | .04 | .12 | .24 | .36 | .40 | | | | | | | | | | |
| Pueblo, Colo.: | | | | | | | | | | | | | | | | | | | | |
| June 11 | 3.58 p. m. | 5.34 p. m. | .89 | 4.39 p. m. | 5.02 p. m. | .01 | .06 | .32 | .55 | .81 | 0.87 | | | | | | | | | |
| Concordia, Kans.: | | | | | | | | | | | | | | | | | | | | |
| May 12 | 12.55 a. m. | 7.17 a. m. | 1.46 | 3.23 a. m. | 3.48 a. m. | .52 | .22 | .30 | .34 | .44 | .50 | | | | | | | | | |
| May 13 | 3.00 a. m. | 6.02 a. m. | .80 | 3.49 a. m. | 4.09 a. m. | .09 | .07 | .17 | .27 | .42 | | | | | | | | | | |
| May 20 | 9.40 p. m. | 11.15 p. m. | .67 | 10.06 p. m. | 10.29 p. m. | .06 | .20 | .37 | .44 | .52 | .56 | | | | | | | | | |
| June 13 | 12.30 a. m. | 7.20 a. m. | 1.69 | 2.17 a. m. | 2.41 a. m. | .49 | .10 | .25 | .38 | .45 | .49 | | | | | | | | | |
| June 20 | 12.30 a. m. | 5.00 a. m. | 1.32 | 1.32 a. m. | 2.04 a. m. | .16 | .15 | .26 | .30 | .39 | .62 | 0.80 | 0.86 | | | | | | | |
| June 25 | 10.45 p. m. | 11.52 p. m. | .67 | 10.51 p. m. | 11.11 p. m. | .01 | .11 | .30 | .48 | .59 | | | | | | | | | | |
| Sept. 7 | 11.43 a. m. | 1.22 p. m. | 1.58 | 11.52 a. m. | 12.27 p. m. | .01 | .08 | .19 | .42 | .85 | 1.02 | 1.25 | 1.44 | | | | | | | |
| Nov. 7 | 5.27 p. m. | 6.38 p. m. | .33 | 6.22 p. m. | 6.27 p. m. | .02 | .30 | | | | | | | | | | | | | |
| Dodge City, Kans.: | | | | | | | | | | | | | | | | | | | | |
| June 19-20 | 10.25 p. m. | D. N. a. m. | 1.75 | 10.38 p. m. | 12.12 a. m. | .01 | .09 | .19 | .29 | .36 | .40 | .49 | .57 | 0.72 | 0.87 | 1.02 | 1.14 | 1.36 | 1.53 | |
| Aug. 31 | 6.05 p. m. | 7.45 p. m. | .61 | 6.55 p. m. | 7.05 p. m. | .13 | .12 | .31 | | | | | | | | | | | | |
| Wichita, Kans.: | | | | | | | | | | | | | | | | | | | | |
| May 13 | 8.25 p. m. | [2]D. N. a. m | 2.24 | 10.13 p. m. | 10.58 p. m. | .13 | .08 | .10 | .20 | .28 | .39 | .51 | .60 | .67 | .72 | | | | | |
| May 14 | [3]8.25 p. m. | D. N. a. m. | 2.24 | 12.19 a. m. | 1.01 a. m. | 1.19 | .11 | .40 | .52 | .59 | .72 | .81 | .87 | .96 | 1.03 | | | | | |
| May 14 | D. N. a. m. | 5.55 a. m. | .50 | 4.58 a. m. | 5.17 a. m. | .01 | .09 | .21 | .30 | .40 | | | | | | | | | | |
| May 28 | 6.23 p. m. | 7.15 p. m. | 1.19 | 6.25 p. m. | 6.53 p. m. | .01 | .06 | .40 | .80 | .97 | 1.07 | 1.14 | | | | | | | | |
| June 5 | 12.30 a. m. | 7.40 p. m. | 4.76 | 11.36 a. m. | 12.30 p. m. | 2.73 | .14 | .23 | .31 | .43 | .48 | .53 | .59 | .72 | .83 | .93 | 1.02 | | | |
| June 11 | 12.50 a. m. | 5.50 a. m. | 1.01 | 1.01 a. m. | 1.29 a. m. | .01 | .13 | .22 | .25 | .38 | .47 | .52 | | | | | | | | |
| June 13 | 6.25 a. m. | 7.40 a. m. | .51 | 6.31 a. m. | 6.50 a. m. | .01 | .17 | .29 | .37 | .41 | | | | | | | | | | |
| June 20 | D. N. a. m. | D. N. a. m. | 1.05 | 1.27 a. m. | 1.56 a. m. | .02 | .11 | .39 | .61 | .71 | .76 | .82 | | | | | | | | |
| Oct. 15 | 8.40 p. m. | [2]D. N. a. m. | 1.16 | 8.48 p. m. | 9.11 p. m. | .01 | .09 | .27 | .67 | 1.02 | 1.12 | | | | | | | | | |
| Oklahoma, Okla.: | | | | | | | | | | | | | | | | | | | | |
| Mar. 24 | 4.55 p. m. | 9.10 p. m. | .88 | 6.08 p. m. | 6.20 p. m. | .05 | .09 | .30 | .37 | | | | | | | | | | | |
| June 12 | 1.05 a. m. | 4.20 a. m. | .76 | 1.34 a. m. | 1.57 a. m. | .04 | .08 | .22 | .34 | .47 | .53 | | | | | | | | | |
| June 14 | 2.05 a. m. | 8.10 a. m. | .99 | 2.13 a. m. | 2.33 a. m. | .01 | .23 | .50 | .59 | .66 | | | | | | | | | | |
| June 23 | 8.52 p. m. | 11.30 p. m. | 2.23 | 9.03 p. m. | 10.02 p. m. | .01 | .15 | .42 | .82 | .98 | 1.27 | 1.63 | 1.78 | 1.82 | 1.87 | 1.91 | 2.11 | | | |
| July 19 | 9.16 p. m. | [2]3.15 a. m. | 2.86 | 9.16 p. m. | 10.46 p. m. | 0 | .06 | .12 | .29 | .52 | .75 | 1.05 | 1.28 | 1.46 | 1.62 | 1.78 | 1.88 | 2.41 | 2.70 | |
| Sept. 7 | 8.35 p. m. | 9.05 p. m. | .55 | 8.40 p. m. | 8.54 p. m. | .02 | .14 | .33 | .51 | | | | | | | | | | | |
| Dec. 26 | 1.35 a. m. | 2.05 a. m. | .32 | 1.39 a. m. | 1.46 a. m. | .01 | .17 | .30 | | | | | | | | | | | | |
| SOUTHERN SLOPE. | | | | | | | | | | | | | | | | | | | | |
| Abilene, Tex.: | | | | | | | | | | | | | | | | | | | | |
| May 17 | D. N. p. m. | [2]9.00 a. m. | .44 | 11.50 p. m. | 11.59 p. m | .01 | .23 | .33 | | | | | | | | | | | | |
| May 27 | 10.10 p. m. | D. N. p. m. | .80 | 10.12 p. m. | 10.31 p. m. | .01 | .25 | .43 | .68 | .78 | | | | | | | | | | |
| June 14 | 9.50 p. m. | [2]D. N. a. m. | .78 | 9.56 p. m. | 10.11 p. m. | .01 | .12 | .29 | .43 | | | | | | | | | | | |
| June 26 | 7.30 p. m. | D. N. p. m. | .98 | 8.58 p. m. | 9.35 p. m. | .06 | .06 | .11 | .20 | .35 | .49 | .60 | .69 | .73 | | | | | | |
| Oct. 15 | 7.00 a. m. | 10.30 a. m. | 1.09 | 7.28 a. m. | 7.51 a. m. | .01 | .11 | .22 | .44 | .58 | .67 | | | | | | | | | |
| Amarillo, Tex.: | | | | | | | | | | | | | | | | | | | | |
| June 4 | 4.32 p. m. | 9.27 p. m. | 1.38 | 6.49 p. m. | 7.13 p. m. | .13 | .20 | .66 | .92 | 1.06 | 1.12 | | | | | | | | | |
| July 29 | 4.30 p. m. | 6.24 p. m. | .72 | 4.45 p. m. | 5.15 p. m. | .02 | .24 | .36 | .40 | .46 | .57 | .67 | | | | | | | | |
| Aug. 21 | 9.40 p. m. | [2]1.44 a. m. | 1.89 | 10.30 p. m. | 11.13 p. m. | .17 | .25 | .45 | .62 | .81 | .90 | .99 | 1.08 | 1.20 | 1.24 | | | | | |
| Del Rio, Tex.: | | | | | | | | | | | | | | | | | | | | |
| May 15 | 2.38 p. m. | 2.58 p. m. | .79 | 2.40 p. m | 2.57 p. m. | .01 | .48 | .67 | .76 | .78 | | | | | | | | | | |
| July 14 | 11.35 a. m. | 2.10 p. m. | 1.01 | 11.37 a. m. | 12.07 p. m. | .02 | .17 | .34 | .45 | .57 | .67 | .85 | | | | | | | | |
| Aug. 27 | 9.25 p. m. | [2]2.45 a. m. | .53 | 9.27 p. m. | 9.47 p. m. | T. | .13 | .27 | .37 | .43 | | | | | | | | | | |
| Sept. 12 | 10.30 a. m. | 4.25 p. m. | 1.77 | 11.18 a. m. | 11.32 a. m. | .11 | .10 | .32 | .51 | | | | | | | | | | | |
| Sept. 12 | 10.30 a. m. | 4.25 p. m. | 1.77 | 12.14 p. m. | 12.46 p. m. | .88 | .05 | .15 | .29 | .39 | .53 | .60 | .64 | | | | | | | |
| Roswell, N. Mex.: | | | | | | | | | | | | | | | | | | | | |
| July 6 | 1.57 p. m. | 3.10 p. m. | .64 | 2.05 p. m. | 2.18 p. m. | .01 | .26 | .45 | .54 | | | | | | | | | | | |
| Aug. 8 | [3]12.52 p. m. | 6.55 a. m. | 5.57 | 2.01 a. m. | 4.10 a. m. | 2.01 | .08 | .19 | .34 | .53 | .72 | .82 | .90 | .97 | 1.05 | 1.14 | 1.40 | 1.93 | 2.46 | 2.78 |
| Oct. 12 | 2.57 p. m. | 5.25 p. m. | .74 | 3.22 p. m. | 3.41 p. m. | .03 | .12 | .39 | .59 | .62 | | | | | | | | | | |
| SOUTHERN PLATEAU. | | | | | | | | | | | | | | | | | | | | |
| El Paso, Tex.: | | | | | | | | | | | | | | | | | | | | |
| Aug. 12 | 7.05 p. m. | 7.40 p. m. | .35 | 7.09 p. m. | 7.19 p. m. | .01 | .05 | .32 | | | | | | | | | | | | |
| Santa Fe, N. Mex.: | | | | | | | | | | | | | | | | | | | | |
| Aug. 15 | 7.30 p. m. | 8.35 p. m. | .47 | 7.35 p. m. | 7.56 p. m. | .01 | .17 | .30 | .35 | .41 | .43 | | | | | | | | | |
| Sept. 5 | 7.10 p. m. | 10.15 p. m. | .56 | 8.28 p. m. | 8.42 p. m. | .04 | .22 | .38 | .44 | | | | | | | | | | | |
| Phoenix, Ariz.: | | | | | | | | | | | | | | | | | | | | |
| Sept. 9 | 12.40 p. m. | 1.20 p. m. | .47 | 12.58 p. m. | 1.10 p. m. | .02 | .09 | .38 | .44 | | | | | | | | | | | |
| MIDDLE PLATEAU. | | | | | | | | | | | | | | | | | | | | |
| Reno, Nev.[1] | | | | | | | | | | | | | | | | | | | | |
| Tonopah, Nev.[1] | | | | | | | | | | | | | | | | | | | | |
| Winnemucca, Nev.[1] | | | | | | | | | | | | | | | | | | | | |
| Modena, Utah: | | | | | | | | | | | | | | | | | | | | |
| July 16 | 12.19 p. m. | 5.02 p. m. | 1.50 | 2.31 p. m. | 3.30 p. m. | .25 | .12 | .15 | .16 | .25 | .35 | .37 | .56 | .61 | .75 | .92 | 1.12 | | | |
| July 27 | 3.34 p. m. | 4.02 p. m. | 1.06 | 3.38 p. m. | 3.57 p. m. | T. | .27 | .57 | .95 | 1.06 | | | | | | | | | | |
| July 30 | 3.41 p. m. | 4.50 p. m. | .43 | 4.25 p. m. | 4.40 p. m. | .07 | .13 | .22 | .35 | | | | | | | | | | | |
| Aug. 29 | 4.52 p. m. | 5.30 p. m. | .39 | 4.56 p. m. | 5.05 p. m. | .01 | .24 | .36 | | | | | | | | | | | | |
| Salt Lake City, Utah.[1] | | | | | | | | | | | | | | | | | | | | |
| Grand Junction, Colo.[1] | | | | | | | | | | | | | | | | | | | | |

[1] No excessive precipitation. [2] On following date. [3] On previous date.

| 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, Oreg.[1] | | | | | | | | | | | | | | | | | | | | |
| Boise, Idaho: | | | | | | | | | | | | | | | | | | | | |
| June 18 | 11.55 a.m. | 9.25 p.m. | 1.10 | 1.05 p.m. | 1.39 p.m. | 0.14 | 0.07 | 0.13 | 0.20 | 0.34 | 0.44 | 0.50 | 0.56 | | | | | | | |
| Lewiston, Idaho:[1] | | | | | | | | | | | | | | | | | | | | |
| Pocatello, Idaho: | | | | | | | | | | | | | | | | | | | | |
| Aug. 15 | 2.48 p.m. | 4.10 p.m. | .74 | 3.30 p.m. | 3.49 p.m. | .08 | .07 | .21 | .48 | .61 | | | | | | | | | | |
| Spokane, Wash.[1] | | | | | | | | | | | | | | | | | | | | |
| Walla Walla, Wash.: | | | | | | | | | | | | | | | | | | | | |
| July 16 | 2.03 p.m. | 3.40 p.m. | .53 | 2.06 p.m. | 2.19 p.m. | .01 | .10 | .26 | .36 | | | | | | | | | | | |
| NORTH PACIFIC COAST REGION. | | | | | | | | | | | | | | | | | | | | |
| North Head, Wash.: | | | | | | | | | | | | | | | | | | | | |
| Oct. 29 | [2] 4.18 p.m. | 4.25 a.m. | .93 | 1.41 a.m. | 1.47 a.m. | .39 | .27 | .29 | | | | | | | | | | | | |
| Port Angeles, Wash.[1 3] | | | | | | | | | | | | | | | | | | | | |
| Tatoosh Island, Wash.[1] | | | | | | | | | | | | | | | | | | | | |
| Seattle, Wash.[1] | | | | | | | | | | | | | | | | | | | | |
| Tacoma, Wash.[1] | | | | | | | | | | | | | | | | | | | | |
| Portland, Oreg.[1] | | | | | | | | | | | | | | | | | | | | |
| Roseburg, Oreg.[1] | | | | | | | | | | | | | | | | | | | | |
| MIDDLE PACIFIC COAST REGION. | | | | | | | | | | | | | | | | | | | | |
| Eureka, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| Mount Tamalpais, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| Point Reyes Light, Cal.: | | | | | | | | | | | | | | | | | | | | |
| Jan. 2 | 9.30 a.m. | [4] 12.30 p.m. | 2.39 | 7.42 p.m. | 8.11 p.m. | .98 | .20 | .29 | .34 | .41 | .46 | .51 | | | | | | | | |
| Sept. 30 | 10.30 a.m. | 7.30 p.m. | 1.59 | 2.55 p.m. | 3.52 p.m. | .18 | .10 | .18 | .28 | .40 | .47 | .50 | .52 | 0.56 | 0.64 | 0.72 | 0.82 | | | |
| Red Bluff, Cal.: | | | | | | | | | | | | | | | | | | | | |
| Dec. 5 | 12 noon. | 12.15 p.m. | .40 | 12 noon. | 12.14 p.m. | 0 | .05 | .23 | .40 | | | | | | | | | | | |
| Sacramento, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| San Francisco, Cal.[1 5] | | | | | | | | | | | | | | | | | | | | |
| San Jose, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| SOUTH PACIFIC COAST REGION. | | | | | | | | | | | | | | | | | | | | |
| Fresno, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| Los Angeles, Cal.: | | | | | | | | | | | | | | | | | | | | |
| Jan. 17 | [3] 1.05 p.m. | [4] 9.30 a.m. | 5.74 | 3.17 a.m. | 3.29 a.m. | 2.13 | .20 | .42 | .46 | | | | | | | | | | | |
| San Diego, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| San Luis Obispo, Cal.[1] | | | | | | | | | | | | | | | | | | | | |
| ISLAND POSSESSIONS. | | | | | | | | | | | | | | | | | | | | |
| Honolulu, Hawaii: | | | | | | | | | | | | | | | | | | | | |
| Jan. 8 | 9.50 a.m. | [4] 5.50 p.m. | 3.19 | 4.57 p.m. | 5.05 p.m. | .51 | .23 | .32 | | | | | | | | | | | | |
| Jan. 14 | [3] D. N. p.m. | 8.20 a.m. | .71 | 7.04 a.m. | 7.24 a.m. | .22 | .09 | .21 | .36 | .47 | | | | | | | | | | |
| Jan. 17 | 9.48 a.m. | 7.45 p.m. | 1.20 | 11.43 a.m. | 12.21 p.m. | .24 | .05 | .09 | .15 | .20 | .27 | .49 | .69 | .79 | | | | | | |
| Jan. 25 | 8.13 p.m. | [4] D. N. a.m. | 1.57 | 11.01 p.m. | 11.36 p.m. | .14 | .10 | .34 | .55 | .75 | 1.02 | 1.18 | 1.34 | | | | | | | |
| Feb. 1-2 | 10.25 p.m. | D. N. a.m. | 1.22 | 11.47 p.m. | 12.38 a.m. | .06 | .07 | .17 | .24 | .32 | .40 | .44 | .62 | .84 | .97 | 1.03 | 1.09 | | | |
| Feb. 10 | 1.23 p.m. | 1.51 p.m. | .41 | 1.29 p.m. | 1.38 p.m. | .01 | .31 | .38 | | | | | | | | | | | | |
| Mar. 4 | D. N. a.m. | 11.39 a.m. | 2.13 | 7.06 a.m. | 7.35 a.m. | .08 | .09 | .12 | .23 | .35 | .57 | .73 | | | | | | | | |
| Mar. 4 | 12.35 p.m. | 6.20 p.m. | 1.05 | 2.46 p.m. | 3.16 p.m. | .22 | .14 | .30 | .34 | .39 | .51 | .61 | | | | | | | | |
| Mar. 7 | [3] 9.25 p.m. | 7.20 a.m. | 2.94 | 2.57 a.m. | 4.20 a.m. | .63 | .12 | .27 | .42 | .55 | .80 | .98 | .99 | 1.07 | 1.08 | 1.12 | 1.51 | 2.08 | 2.22 | |
| Apr. 27 | [3] D. N. p.m. | D. N. a.m. | .56 | 12.32 a.m. | 12.44 a.m. | .10 | .08 | .23 | .36 | | | | | | | | | | | |
| Apr. 27 | 2.09 p.m. | 4.03 p.m. | .49 | 2.38 p.m. | 2.46 p.m. | .12 | .19 | .32 | | | | | | | | | | | | |
| Dec. 7 | 1.36 p.m. | 7.20 p.m. | 1.30 | 6.02 p.m. | 6.42 p.m. | .56 | .05 | .12 | .24 | .33 | .41 | .49 | .55 | .61 | | | | | | |
| San Juan, P. R.: | | | | | | | | | | | | | | | | | | | | |
| May 4 | 6.20 a.m. | 8.10 a.m. | 1.10 | 6.44 a.m. | 7.14 a.m. | .05 | .12 | .22 | .47 | .60 | .71 | .81 | | | | | | | | |
| May 8 | 5.45 p.m. | 6.10 p.m. | .38 | 5.48 p.m. | 6.02 p.m. | .01 | .17 | .33 | .37 | | | | | | | | | | | |
| June 21 | 1.18 p.m. | 3.45 p.m. | 1.17 | 2.21 p.m. | 2.45 p.m. | .25 | .10 | .16 | .29 | .44 | .60 | | | | | | | | | |
| June 29 | 11.41 a.m. | 12.20 p.m. | .47 | 11.41 a.m. | 11.55 a.m. | 0 | .08 | .34 | .44 | | | | | | | | | | | |
| July 3 | 12 noon. | 12.50 p.m. | .36 | 12.38 p.m. | 12.43 p.m. | .02 | .33 | | | | | | | | | | | | | |
| July 12 | 9.47 p.m. | [4] 9.20 a.m. | 1.97 | 10.34 p.m. | 10.47 p.m. | .16 | .06 | .29 | .39 | | | | | | | | | | | |
| July 22 | 5.40 a.m. | 3.40 p.m. | 1.47 | 10.00 a.m. | 10.18 a.m. | .13 | .09 | .24 | .38 | .49 | | | | | | | | | | |
| July 22 | 5.40 a.m. | 3.40 p.m. | 1.47 | 10.57 a.m. | 11.09 a.m. | .74 | .17 | .33 | .36 | | | | | | | | | | | |
| Aug. 7 | 5.06 p.m. | 6.25 p.m. | .53 | 5.08 p.m. | 5.26 p.m. | .01 | .15 | .15 | .30 | .45 | | | | | | | | | | |
| Aug. 10 | 10.16 p.m. | 10.45 p.m. | .40 | 10.16 p.m. | 10.32 p.m. | T. | .19 | .26 | .38 | .40 | | | | | | | | | | |
| Aug. 28 | D. N. a.m. | 5.55 a.m. | .77 | 5.35 a.m. | 5.47 a.m. | .39 | .22 | .31 | .38 | | | | | | | | | | | |
| Aug. 29 | D. N. a.m. | D. N. a.m. | .48 | 1.36 a.m. | 1.54 a.m. | .06 | .21 | .31 | .37 | .42 | | | | | | | | | | |
| Sept. 5 | 1.46 p.m. | 4.25 p.m. | 1.32 | 2.23 p.m. | 2.47 p.m. | .07 | .25 | .56 | .81 | .96 | 1.04 | | | | | | | | | |
| Sept. 8 | 11.21 a.m. | 11.47 a.m. | .38 | 11.24 a.m. | 11.36 a.m. | .01 | .11 | .30 | .37 | | | | | | | | | | | |
| Sept. 10 | 4.27 p.m. | 5.05 p.m. | .53 | 4.29 p.m. | 4.53 p.m. | .01 | .07 | .21 | .39 | .44 | .51 | | | | | | | | | |
| Sept. 16 | 6.15 p.m. | 8.20 p.m. | 1.33 | 6.22 p.m. | 6.54 p.m. | .03 | .14 | .66 | .91 | 1.05 | 1.12 | 1.18 | 1.21 | | | | | | | |
| Sept. 25 | 11.46 a.m. | 12.40 p.m. | .58 | 11.53 a.m. | 12.05 p.m. | .01 | .16 | .45 | .51 | | | | | | | | | | | |
| Oct. 3 | 8.33 a.m. | 9.04 a.m. | .50 | 8.42 a.m. | 8.51 a.m. | .04 | .24 | .44 | | | | | | | | | | | | |
| Oct. 8 | 9.50 p.m. | D. N. p.m. | .82 | 11.10 p.m. | 11.24 p.m. | .23 | .29 | .50 | .59 | | | | | | | | | | | |
| Oct. 23 | 11.14 a.m. | 1.05 p.m. | .70 | 11.39 a.m. | 12.03 p.m. | .04 | .12 | .31 | .44 | .50 | .54 | | | | | | | | | |
| Oct. 26 | 1.13 p.m. | 3.40 p.m. | 1.34 | 1.28 p.m. | 2.18 p.m. | .04 | .15 | .26 | .37 | .56 | .66 | .81 | .84 | .89 | .98 | 1.05 | | | | |
| Nov. 11 | 12.20 a.m. | 2.00 a.m. | .92 | 12.25 a.m. | 12.43 a.m. | .02 | .19 | .49 | .63 | .70 | | | | | | | | | | |
| Nov. 19 | 2.40 p.m. | 3.10 p.m. | .46 | 2.53 p.m. | 3.03 p.m. | .02 | .21 | .44 | | | | | | | | | | | | |

[1] No excessive precipitation. [2] On previous date. [3] Record from June to December only. [4] On following date. [5] January and December, no record.

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# PART III.

## MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR TWO HUNDRED AND NINE STATIONS DURING 1916.

## EXPLANATION OF THE TABLES.

For a detailed account of the method of reducing the observed barometric pressure 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 observatons; 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 determined from the barograph trace.

*The homogeneous system of pressure.*—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) $\Delta A$. 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 $\theta$; the relation between the diurnal surface temperature $t$ and that of the air column $\theta$ was determined, and the argument adjusted so as to transfer it from $\theta$ 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 temperature 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 in the case at the cooperative stations, where the 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 determine the average cloudiness on the scale given above, 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.

*Number of days.*—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 was dense enough to obscure objects 1,000 feet distant.

*References and abbreviations.*—$H_b$=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, corresponding corrections have been applied to the observed readings, 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.

*Annual meteorological summary for the year ending December 31, 1916.*

## ABILENE, TEX.

[$\phi$=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 | 28.246 | 28.730 | 27.679 | 38.5 | 47.4 | 56.5 | 34.0 | 45.2 | 81 | 9 | 33 | 32 | 80 | 58 | 0.216 | 0.200 | 0.40 | 0.16 | 7.9 | 6.9 | 7.7 |
| February | 28.305 | 28.760 | 27.820 | 38.7 | 57.5 | 65.7 | 34.2 | 50.0 | 83 | 11 | 28 | 26 | 67 | 33 | .165 | .151 | .01 | .01 | 4.0 | 3.2 | 3.9 |
| March | 28.148 | 28.690 | 27.600 | 50.9 | 70.0 | 77.3 | 47.6 | 62.4 | 98 | 22 | 31 | 26 | 48 | 22 | .189 | .147 | 1.18 | *2.53 | 3.8 | 4.2 | 4.1 |
| April | 28.136 | 28.560 | 27.791 | 52.8 | 67.7 | 73.3 | 49.9 | 61.6 | 92 | 33 | 44 | 42 | 75 | 45 | .308 | .282 | 5.13 | 1.60 | 6.3 | 4.8 | 5.2 |
| May | 28.039 | 28.340 | 27.790 | 64.0 | 78.7 | 83.9 | 60.4 | 72.2 | 97 | 43 | 54 | 54 | 72 | 46 | .434 | .437 | 3.22 | 1.11 | 4.3 | 4.2 | 4.0 |
| June | 28.042 | 28.260 | 27.580 | 72.7 | 88.2 | 92.9 | 69.2 | 81.0 | 102 | 53 | 62 | 58 | 71 | 38 | .568 | .496 | 2.05 | .99 | 3.2 | 4.0 | 3.1 |
| July | 28.144 | 28.390 | 27.923 | 74.1 | 89.6 | 94.8 | 71.0 | 82.9 | 103 | 62 | 64 | 58 | 71 | 37 | .597 | .488 | .68 | .29 | 4.4 | 4.4 | 4.9 |
| August | 28.174 | 28.420 | 27.978 | 72.2 | 88.5 | 93.4 | 70.0 | 81.7 | 98 | 55 | 63 | 56 | 74 | 36 | .589 | .463 | .52 | .39 | 3.5 | 3.6 | 4.3 |
| September | 28.192 | 28.559 | 27.892 | 65.0 | 81.0 | 87.7 | 63.6 | 75.6 | 97 | 44 | 56 | 51 | 72 | 37 | .474 | .399 | .88 | .51 | 3.7 | 3.5 | 3.2 |
| October | 28.220 | 28.540 | 27.900 | 56.2 | 68.8 | 77.8 | 53.8 | 65.8 | 88 | 32 | 49 | 48 | 77 | 50 | .366 | .355 | 3.31 | 1.48 | 3.7 | 2.2 | 3.1 |
| November | 28.305 | 28.710 | 27.940 | 42.7 | 54.6 | 65.0 | 39.2 | 52.1 | 84 | 16 | 34 | 34 | 72 | 49 | .215 | .211 | .88 | .79 | 3.1 | 1.8 | 2.5 |
| December | 28.157 | 28.520 | 27.670 | 36.5 | 49.3 | 59.8 | 33.2 | 46.5 | 81 | 15 | 21 | 22 | 54 | 35 | .128 | .132 | .02 | .02 | 3.0 | 2.7 | 3.4 |
| Year | 28.176 | 28.760 | 27.580 | 55.4 | 70.1 | 77.3 | 52.2 | 64.8 | .103 | 9 | 45 | 42 | 69 | 40 | .354 | .313 | 18.28 | 2.53 | 4.2 | 3.8 | 4.1 |

* March 31–April 1.

## ALBANY, N. Y.

[$\phi$=42° 39′ N.; $\lambda$=73° 45′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.084 | 30.620 | 29.360 | 25.7 | 30.3 | 37.0 | 21.5 | 29.2 | 56 | 0 | 21 | 22 | 80 | 70 | 0.127 | 0.134 | 1.80 | 0.76 | 5.2 | 6.0 | 6.8 |
| February | 29.913 | 30.590 | 28.940 | 18.2 | 22.2 | 27.8 | 13.4 | 20.6 | 51 | −8 | 12 | 14 | 75 | 70 | .086 | .089 | 3.23 | 1.24 | 6.9 | 5.4 | 6.6 |
| March | 29.834 | 30.180 | 29.180 | 22.1 | 27.8 | 34.5 | 17.6 | 26.0 | 59 | −1 | 16 | 18 | 77 | 67 | .098 | .106 | 3.99 | 1.10 | 4.9 | 3.5 | 4.5 |
| April | 29.822 | 30.190 | 29.230 | 42.3 | 47.0 | 53.6 | 38.1 | 45.8 | 76 | 30 | 34 | 34 | 72 | 63 | .195 | .202 | 3.52 | .81 | 6.5 | 6.7 | 5.7 |
| May | 29.789 | 30.226 | 29.250 | 55.1 | 60.5 | 67.5 | 49.0 | 58.2 | 85 | 41 | 45 | 44 | 70 | 57 | .312 | .310 | 2.71 | 1.17 | 5.5 | 5.0 | 5.1 |
| June | 29.831 | 30.050 | 29.530 | 61.3 | 65.2 | 71.0 | 55.1 | 63.0 | 81 | 46 | 52 | 54 | 73 | 69 | .399 | .425 | 2.24 | .56 | 5.5 | 6.0 | 6.0 |
| July | 29.879 | 30.222 | 29.452 | 70.3 | 75.7 | 83.4 | 65.9 | 74.6 | 95 | 53 | 63 | 66 | 78 | 72 | .589 | .643 | 2.98 | .89 | 6.5 | 4.4 | 5.0 |
| August | 29.873 | 30.161 | 29.500 | 67.3 | 73.4 | 82.5 | 62.4 | 72.4 | 98 | 48 | 60 | 60 | 78 | 65 | .530 | .539 | 2.32 | 1.18 | 3.9 | 3.5 | 3.4 |
| September | 29.934 | 30.397 | 29.630 | 59.4 | 64.0 | 72.8 | 53.6 | 63.2 | 86 | 39 | 52 | 51 | 77 | 65 | .406 | .398 | 3.96 | 2.76 | 4.9 | 3.2 | 3.8 |
| October | 30.019 | 30.440 | 29.400 | 46.0 | 52.7 | 61.6 | 41.1 | 51.4 | 77 | 31 | 40 | 43 | 81 | 72 | .259 | .298 | 1.54 | 1.02 | 2.8 | 2.7 | 4.7 |
| November | 29.997 | 30.439 | 29.020 | 35.9 | 39.2 | 45.9 | 32.5 | 39.2 | 64 | 18 | 30 | 30 | 78 | 70 | .169 | .176 | 2.88 | .91 | 5.2 | 5.0 | 5.3 |
| December | 29.851 | 30.450 | 28.970 | 26.4 | 29.2 | 34.2 | 23.1 | 28.6 | 54 | 3 | 20 | 20 | 77 | 67 | .117 | .116 | 2.70 | 1.11 | 6.1 | 5.7 | 6.4 |
| Year | 29.902 | 30.620 | 28.940 | 44.2 | 48.9 | 56.0 | 39.4 | 47.7 | 98 | −8 | 37 | 38 | 76 | 67 | .274 | .286 | 33.87 | 2.76 | 5.3 | 4.8 | 5.3 |

## ALPENA, MICH.

[$\phi$=45° 05′ N.; $\lambda$=83° 30′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.370 | 29.957 | 28.638 | 22.6 | 24.1 | 31.0 | 17.1 | 24.0 | 50 | −2 | 19 | 20 | 86 | 84 | 0.113 | 0.122 | 2.00 | 0.47 | 8.1 | 6.5 | 8.0 |
| February | 29.398 | 29.980 | 28.760 | 13.8 | 16.8 | 22.8 | 8.6 | 15.7 | 44 | −9 | 11 | 12 | 88 | 80 | .072 | .077 | .86 | .16 | 7.8 | 6.0 | 6.7 |
| March | 29.308 | 29.810 | 28.470 | 16.9 | 23.5 | 28.1 | 12.5 | 20.3 | 47 | −5 | 14 | 18 | 89 | 78 | .093 | .108 | 3.46 | 1.82 | 6.1 | 5.9 | 6.1 |
| April | 29.278 | 29.650 | 28.850 | 38.0 | 40.7 | 46.4 | 33.8 | 40.1 | 69 | 22 | 33 | 33 | 82 | 75 | .192 | .196 | 3.01 | .94 | 6.5 | 6.4 | 6.3 |
| May | 29.227 | 29.720 | 28.590 | 49.2 | 51.6 | 59.0 | 41.6 | 50.3 | 82 | 32 | 40 | 40 | 72 | 67 | .261 | .259 | 3.53 | 1.63 | 5.2 | 5.1 | 5.1 |
| June | 29.232 | 29.650 | 28.720 | 54.6 | 58.6 | 64.9 | 49.0 | 57.0 | 78 | 40 | 50 | 50 | 84 | 76 | .363 | .374 | 3.67 | 1.02 | 6.5 | 6.3 | 6.1 |
| July | 29.363 | 29.640 | 29.000 | 70.2 | 73.4 | 81.3 | 61.3 | 71.3 | 101 | 47 | 60 | 62 | 72 | 67 | .527 | .560 | .26 | .12 | 2.7 | 3.5 | 3.0 |
| August | 29.335 | 29.720 | 29.050 | 65.2 | 68.8 | 78.0 | 56.5 | 67.2 | 98 | 44 | 58 | 60 | 78 | 74 | .501 | .544 | 1.61 | 1.00 | 3.5 | 4.6 | 4.5 |
| September | 29.323 | 29.702 | 28.870 | 54.0 | 57.6 | 66.0 | 47.8 | 56.9 | 85 | 29 | 49 | 50 | 84 | 78 | .365 | .386 | 1.50 | .57 | 5.7 | 5.5 | 5.5 |
| October | 29.368 | 29.760 | 28.550 | 43.1 | 47.0 | 53.9 | 38.0 | 46.0 | 85 | 30 | 38 | 40 | 84 | 77 | .237 | .256 | 3.34 | .77 | 6.5 | 6.0 | 6.0 |
| November | 29.349 | 29.880 | 28.400 | 32.4 | 34.9 | 40.9 | 29.3 | 35.1 | 64 | 12 | 30 | 30 | 89 | 82 | .172 | .174 | 2.15 | .57 | 7.8 | 6.0 | 7.3 |
| December | 29.239 | 29.800 | 28.690 | 20.0 | 22.6 | 28.9 | 15.4 | 22.2 | 48 | −3 | 18 | 19 | 90 | 85 | .108 | .109 | 2.24 | .75 | 5.9 | 6.3 | 6.9 |
| Year | 29.316 | 29.980 | 28.400 | 40.0 | 43.3 | 50.1 | 34.2 | 42.2 | 101 | −9 | 35 | 36 | 83 | 77 | .250 | .264 | 27.63 | 1.82 | 6.0 | 5.7 | 6.0 |

## AMARILLO, TEX.

[$\phi$=30° 13′ N.; $\lambda$=101° 50′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 26.233 | 26.630 | 25.750 | 27.0 | 38.2 | 49.4 | 21.1 | 35.2 | 74 | 1 | 21 | 25 | 77 | 62 | 0.122 | 0.147 | 0.36 | 0.12 | 5.8 | 5.4 | 4.7 |
| February | 26.329 | 26.740 | 25.810 | 31.0 | 49.0 | 60.0 | 27.0 | 43.5 | 81 | 9 | 24 | 27 | 73 | 44 | .128 | .147 | .02 | .02 | 2.6 | 4.1 | 2.5 |
| March | 26.223 | 26.690 | 25.760 | 40.1 | 61.8 | 69.7 | 37.7 | 53.7 | 87 | 16 | 27 | 26 | 62 | 28 | .149 | .143 | .57 | .40 | 3.7 | 4.3 | 2.8 |
| April | 26.230 | 26.570 | 25.837 | 42.2 | 59.4 | 65.8 | 40.0 | 52.9 | 87 | 26 | 36 | 36 | 80 | 47 | .219 | .216 | 1.71 | .97 | 5.0 | 4.7 | 4.1 |
| May | 26.140 | 26.420 | 25.871 | 55.6 | 75.7 | 81.5 | 52.4 | 67.0 | 98 | 35 | 46 | 43 | 73 | 37 | .326 | .304 | .89 | .88 | 3.0 | 2.7 | 2.6 |
| June | 26.183 | 26.410 | 25.770 | 63.3 | 81.7 | 88.6 | 60.5 | 74.6 | 100 | 51 | 55 | 56 | 76 | 47 | .438 | .484 | 2.18 | 1.53 | 3.3 | 3.7 | 3.2 |
| July | 26.304 | 26.580 | 26.035 | 68.2 | 86.2 | 92.8 | 65.3 | 79.0 | 100 | 61 | 58 | 51 | 72 | 32 | .493 | .385 | .94 | .72 | 2.6 | 3.6 | 3.1 |
| August | 26.314 | 26.541 | 26.075 | 65.7 | 81.1 | 88.7 | 64.4 | 76.6 | 97 | 55 | 58 | 56 | 77 | 46 | .487 | .460 | 3.82 | 1.90 | 3.3 | 4.6 | 3.1 |
| September | 26.302 | 26.650 | 25.964 | 56.6 | 72.7 | 80.8 | 54.8 | 67.8 | 91 | 40 | 50 | 53 | 80 | 53 | .379 | .428 | 1.76 | .99 | 2.8 | 3.6 | 2.7 |
| October | 26.312 | 26.670 | 25.890 | 46.3 | 60.4 | 69.6 | 44.7 | 57.2 | 89 | 27 | 41 | 42 | 82 | 56 | .267 | .283 | 2.90 | 1.07 | 4.5 | 3.0 | 3.4 |
| November | 26.338 | 26.660 | 25.940 | 33.5 | 47.4 | 58.4 | 30.4 | 44.4 | 85 | 5 | 26 | 29 | 74 | 52 | .146 | .162 | .40 | .34 | 2.9 | 2.1 | 3.0 |
| December | 26.162 | 26.580 | 25.670 | 26.3 | 38.4 | 50.1 | 23.0 | 36.6 | 73 | 0 | 19 | 21 | 73 | 52 | .104 | .114 | .88 | .31 | 3.4 | 3.3 | 3.1 |
| Year | 26.256 | 26.740 | 25.670 | 46.3 | 62.7 | 71.3 | 43.4 | 57.4 | 100 | 0 | 38 | 39 | 75 | 46 | .272 | .273 | 16.43 | 1.90 | 3.6 | 3.8 | 3.2 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

ABILENE, TEX.

[$H_b$=1,738 ft.; $h_t$=10 ft.; $h_r$=3 ft.; $h_a$=52 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.4 | N. | 41 | S. | 1 | 17 | 7 | 2 | 9 | 16 | 5 | 3 | 3 | 0 | 5 | 4 | 22 | 9 | 3 | 3 | 1 | 0 | 1 | 4 | 0 | 17 | 2 | 0 |
| February | 10.3 | S. | 33 | S. | 0 | 7 | 4 | 7 | 5 | 15 | 12 | 3 | 5 | 0 | 14 | 10 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 14 | 0 | 0 |
| March | 13.1 | S. | 39 | N. | 0 | 12 | 6 | 2 | 3 | 13 | 12 | 7 | 6 | 1 | 12 | 15 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 2 | 0 |
| April | 12.6 | S. | 38 | NW. | 0 | 8 | 7 | 2 | 9 | 21 | 5 | 1 | 7 | 0 | 12 | 8 | 10 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 |
| May | 13.0 | S. | 52 | S. | 1 | 6 | 4 | 3 | 14 | 22 | 8 | 1 | 4 | 0 | 16 | 8 | 7 | 8 | 7 | 0 | 0 | 2 | 0 | 0 | 12 | 0 | 6 | 0 |
| June | 12.8 | SE. | 47 | N. | 2 | 2 | 6 | 2 | 23 | 21 | 5 | 1 | 0 | 0 | 21 | 8 | 1 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 11 | 0 |
| July | 7.2 | S. | 44 | SW. | 1 | 0 | 4 | 6 | 19 | 23 | 5 | 1 | 3 | 1 | 12 | 11 | 8 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 7 | 0 |
| August | 9.8 | S. | 31 | SE. | 0 | 3 | 4 | 1 | 16 | 31 | 6 | 1 | 0 | 0 | 14 | 10 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 1 | 0 |
| September | 9.7 | S. | 32 | NE. | 0 | 8 | 2 | 2 | 7 | 34 | 5 | 1 | 0 | 1 | 20 | 5 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3 | 0 |
| October | 9.9 | S. | 34 | SW. | 0 | 12 | 0 | 3 | 13 | 19 | 6 | 1 | 8 | 0 | 20 | 6 | 5 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 |
| November | 11.2 | S. | 38 | S. | 0 | 11 | 4 | 0 | 3 | 23 | 10 | 4 | 5 | 0 | 22 | 4 | 4 | 4 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 7 | 1 | 0 |
| December | 11.0 | S. | 35 | SW. | 0 | 7 | 6 | 0 | 5 | 19 | 13 | 3 | 9 | 0 | 20 | 5 | 6 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 14 | 0 | 0 |
| Year | 11.0 | S. | 52 | S. | 5 | 93 | 54 | 30 | 126 | 257 | 92 | 27 | 50 | 3 | 188 | 94 | 84 | 54 | 38 | 5 | 3 | 2 | 2 | 6 | 108 | 54 | 41 | 0 |

ALBANY, N. Y.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.8 | S. | 39 | S. | 0 | 4 | 3 | 0 | 1 | 31 | 5 | 1 | 17 | 0 | 8 | 5 | 18 | 12 | 10 | 8 | 3 | 0 | 1 | 11 | 0 | 24 | 0 | 0 |
| February | 8.5 | NW. | 28 | NW. | 0 | 10 | 6 | 0 | 5 | 11 | 2 | 4 | 20 | 0 | 7 | 6 | 16 | 17 | 12 | 17 | 14 | 0 | 0 | 19 | 0 | 28 | 0 | 0 |
| March | 8.6 | NW. | 29 | NW. | 0 | 7 | 18 | 0 | 2 | 10 | 1 | 3 | 19 | 2 | 15 | 8 | 8 | 12 | 10 | 17 | 12 | 0 | 2 | 17 | 0 | 27 | 0 | 0 |
| April | 7.8 | NW. | 30 | S. | 0 | 9 | 8 | 1 | 6 | 17 | 2 | 2 | 15 | 0 | 10 | 6 | 14 | 17 | 14 | 4 | 4 | 0 | 0 | 0 | 0 | 4 | 0 | 2 |
| May | 8.7 | S. | 30 | NW. | 0 | 3 | 3 | 0 | 2 | 24 | 3 | 7 | 19 | 1 | 11 | 11 | 9 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| June | 7.4 | S. | 31 | S. | 0 | 6 | 3 | 2 | 4 | 24 | 3 | 6 | 12 | 0 | 10 | 9 | 11 | 15 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| July | 7.2 | S. | 25 | NW. | 0 | 11 | 2 | 1 | 1 | 39 | 2 | 1 | 4 | 1 | 14 | 8 | 9 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 |
| August | 6.6 | S. | 24 | NE. | 0 | 4 | 8 | 1 | 3 | 32 | 3 | 0 | 11 | 0 | 16 | 12 | 3 | 10 | 8 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 4 | 0 |
| September | 8.1 | S. | 29 | SE. | 0 | 6 | 2 | 0 | 0 | 35 | 1 | 2 | 14 | 0 | 18 | 5 | 7 | 10 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 |
| October | 7.0 | S. | 35 | SE. | 0 | 5 | 10 | 2 | 2 | 26 | 5 | 1 | 10 | 1 | 15 | 8 | 8 | 6 | 5 | 0 | 0 | 0 | 9 | 0 | 0 | 3 | 2 | 0 |
| November | 7.0 | S. | 26 | | 0 | 10 | 6 | 0 | 3 | 20 | 9 | 3 | 9 | 0 | 12 | 6 | 12 | 11 | 9 | 7 | 2 | 0 | 3 | 3 | 0 | 15 | 1 | 0 |
| December | 7.5 | NW. | 32 | NW. | 0 | 11 | 5 | 0 | 3 | 15 | 2 | 4 | 22 | 0 | 7 | 11 | 13 | 8 | 8 | 16 | 4 | 0 | 0 | 14 | 0 | 24 | 0 | 0 |
| Year | 7.8 | S. | 39 | S. | 0 | 86 | 74 | 7 | 32 | 284 | 38 | 34 | 172 | 5 | 143 | 95 | 128 | 144 | 115 | 69 | 39 | 1 | 17 | 64 | 11 | 125 | 23 | 3 |

ALPENA, MICH.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.6 | W. | 52 | W. | 5 | 2 | 3 | 3 | 8 | 10 | 12 | 11 | 13 | 0 | 1 | 11 | 19 | 19 | 11 | 19 | 11 | 0 | 6 | 13 | 0 | 29 | 0 | 1 |
| February | 11.8 | NW. | 47 | NW. | 2 | 3 | 5 | 2 | 2 | 4 | 12 | 12 | 18 | 0 | 4 | 13 | 12 | 15 | 10 | 21 | 14 | 0 | 0 | 25 | 0 | 29 | 0 | 0 |
| March | 11.9 | NW. | 47 | SE. | 2 | 9 | 5 | 3 | 8 | 3 | 5 | 10 | 18 | 1 | 8 | 9 | 14 | 16 | 11 | 19 | 12 | 0 | 3 | 21 | 0 | 28 | 0 | 3 |
| April | 11.9 | NW. | 45 | NW. | 1 | 7 | 4 | 7 | 13 | 3 | 7 | 2 | 17 | 0 | 7 | 8 | 15 | 16 | 13 | 4 | 2 | 0 | 2 | 1 | 0 | 12 | 4 | 5 |
| May | 12.4 | SE. | 52 | W. | 2 | 4 | 3 | 6 | 14 | 4 | 4 | 10 | 17 | 0 | 10 | 13 | 8 | 12 | 9 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 | 4 |
| June | 11.2 | SE. | 48 | E. | 1 | 6 | 4 | 7 | 21 | 2 | 1 | 11 | 8 | 0 | 5 | 13 | 12 | 14 | 12 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 6 | 0 |
| July | 8.3 | SE. | 39 | NW. | 0 | 6 | 5 | 8 | 15 | 2 | 1 | 9 | 14 | 2 | 16 | 13 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 2 |
| August | 9.5 | SE. | 46 | NW. | 1 | 1 | 3 | 2 | 14 | 4 | 10 | 7 | 20 | 1 | 7 | 22 | 2 | 9 | 6 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 5 | 6 |
| September | 11.4 | NW. | 35 | W. | 0 | 1 | 1 | 2 | 7 | 9 | 12 | 12 | 16 | 0 | 6 | 14 | 10 | 11 | 8 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 2 |
| October | 13.3 | NW. | 52 | NW. | 3 | 2 | 2 | 5 | 9 | 10 | 9 | 9 | 16 | 0 | 9 | 10 | 12 | 17 | 13 | 4 | 0 | 0 | 2 | 0 | 0 | 5 | 1 | 1 |
| November | 11.3 | NW. | 46 | NW. | 1 | 5 | 4 | 2 | 7 | 8 | 8 | 14 | 12 | 0 | 4 | 9 | 17 | 13 | 10 | 12 | 5 | 1 | 4 | 5 | 0 | 19 | 1 | 0 |
| December | 12.7 | W. | 44 | SE. | 2 | 2 | 2 | 3 | 6 | 6 | 13 | 21 | 9 | 0 | 5 | 11 | 15 | 13 | 9 | 22 | 8 | 0 | 5 | 20 | 0 | 28 | 3 | 1 |
| Year | 11.7 | NW. | 52 | W. | 20 | 48 | 41 | 50 | 124 | 65 | 94 | 128 | 178 | 4 | 82 | 146 | 138 | 161 | 114 | 102 | 52 | 3 | 36 | 85 | 7 | 152 | 32 | 25 |

AMARILLO, TEX.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.7 | SW. | 36 | SW. | 0 | 5 | 11 | 6 | 1 | 4 | 19 | 13 | 3 | 0 | 14 | 9 | 8 | 5 | 4 | 6 | 4 | 0 | 1 | 5 | 0 | 25 | 0 | 0 |
| February | 10.1 | NE. | 32 | NE. | 0 | 2 | 13 | 6 | 2 | 5 | 11 | 10 | 9 | 0 | 24 | 5 | 0 | 1 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 18 | 0 | 0 |
| March | 13.0 | NE. | 40 | N. | 1 | 6 | 14 | 2 | 2 | 4 | 11 | 11 | 12 | 0 | 28 | 2 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 8 | 1 | 0 |
| April | 12.7 | NE. | 42 | NE. | 2 | 11 | 12 | 4 | 1 | 8 | 15 | 3 | 6 | 0 | 18 | 7 | 5 | 8 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 |
| May | 12.9 | SW. | 37 | SW. | 0 | 4 | 9 | 2 | 5 | 11 | 21 | 7 | 3 | 0 | 26 | 4 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 1 | 0 |
| June | 12.5 | S. | 35 | N. | 0 | 2 | 2 | 8 | 15 | 17 | 8 | 5 | 3 | 0 | 17 | 11 | 2 | 7 | 6 | 0 | 0 | 2 | 0 | 0 | 16 | 0 | 7 | 0 |
| July | 9.2 | S. | 25 | SW. | 0 | 2 | 1 | 2 | 13 | 23 | 20 | 0 | 1 | 0 | 19 | 12 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 6 | 0 |
| August | 10.3 | S. | 39 | S. | 0 | 5 | 2 | 5 | 5 | 26 | 16 | 4 | 2 | 0 | 19 | 10 | 2 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 7 | 0 |
| September | 11.4 | S. | 35 | N. | 0 | 4 | 1 | 3 | 14 | 20 | 11 | 2 | 4 | 1 | 18 | 12 | 0 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 |
| October | 10.9 | S. | 37 | NW. | 0 | 11 | 4 | 2 | 7 | 16 | 11 | 2 | 9 | 0 | 19 | 4 | 8 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| November | 11.4 | SW. | 35 | N. | 0 | 10 | 3 | 1 | 1 | 9 | 20 | 4 | 11 | 0 | 23 | 3 | 4 | 3 | 1 | 5 | 2 | 0 | 0 | 2 | 0 | 18 | 0 | 0 |
| December | 12.3 | SW. | 40 | SW. | 2 | 5 | 4 | 1 | 7 | 11 | 14 | 8 | 12 | 0 | 24 | 7 | 0 | 7 | 7 | 8 | 6 | 0 | 0 | 4 | 0 | 23 | 0 | 0 |
| Year | 11.5 | SW. | 42 | NE. | 5 | 67 | 76 | 40 | 73 | 154 | 177 | 69 | 75 | 1 | 249 | 86 | 31 | 64 | 48 | 24 | 14 | 2 | 1 | 12 | 68 | 99 | 29 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

## ANNISTON, ALA.

[$\phi$=33° 39′ N.; $\lambda$=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 | 29.455 | 29.710 | 29.130 | 46.8 | 51.7 | 60.2 | 41.3 | 50.8 | 75 | 14 | 42 | .... | 84 | .... | 0.305 | ..... | 4.11 | 1.91 | 6.7 | 5.5 | 6.0 |
| February | 29.350 | 29.760 | 28.920 | 37.4 | 45.0 | 55.7 | 32.8 | 44.2 | 71 | 18 | 31 | .... | 78 | .... | .188 | ..... | 4.04 | 1.19 | 4.3 | 4.2 | 4.5 |
| March | 29.240 | 29.630 | 28.770 | 45.0 | 54.5 | 64.5 | 39.9 | 52.2 | 81 | 23 | 37 | .... | 74 | .... | .247 | ..... | 2.22 | 1.26 | 5.3 | 2.6 | 4.5 |
| April | 29.235 | 29.550 | 28.910 | 54.7 | 61.4 | 72.0 | 47.4 | 59.7 | 86 | 32 | 46 | .... | 74 | .... | .322 | ..... | 2.71 | 1.26 | 4.7 | 3.7 | 3.5 |
| May | 29.206 | 29.430 | 29.040 | 67.3 | 72.8 | 84.4 | 58.0 | 71.2 | 95 | 43 | 58 | .... | 73 | .... | .496 | ..... | 4.28 | 1.89 | 3.6 | 2.8 | 2.8 |
| June | 29.177 | 29.400 | 28.800 | 71.5 | 75.4 | 87.1 | 64.1 | 75.6 | 94 | 55 | 64 | .... | 79 | .... | .614 | ..... | 1.71 | .51 | 4.7 | 4.7 | 3.9 |
| July | 29.191 | 29.450 | 28.870 | 74.3 | 76.0 | 86.1 | 69.4 | 77.8 | 94 | 66 | 70 | .... | 88 | .... | .744 | ..... | 16.25 | 5.57 | 6.0 | 5.9 | 5.3 |
| August | 29.275 | 29.470 | 29.100 | 73.1 | 76.7 | 88.5 | 67.7 | 78.1 | 94 | 54 | 69 | .... | 87 | .... | .707 | ..... | 3.68 | 2.20 | 4.7 | 4.5 | 3.3 |
| September | 29.296 | 29.460 | 29.100 | 66.0 | 69.6 | 83.5 | 60.4 | 71.9 | 93 | 45 | 60 | .... | 80 | .... | .530 | ..... | 2.38 | 1.35 | 2.8 | 2.6 | 2.5 |
| October | 29.324 | 29.570 | 28.860 | 56.6 | 61.1 | 75.6 | 52.2 | 63.9 | 87 | 29 | 50 | .... | 79 | .... | .384 | ..... | 1.38 | .89 | 2.8 | 3.0 | 2.7 |
| November | 29.408 | 29.710 | 28.910 | 44.0 | 50.3 | 65.4 | 39.7 | 52.6 | 79 | 19 | 39 | .... | 81 | .... | .258 | ..... | 2.71 | .94 | 3.2 | 2.5 | 2.3 |
| December | 29.292 | 29.600 | 28.797 | 39.5 | 46.4 | 55.5 | 34.4 | 45.0 | 72 | 17 | 34 | .... | 80 | .... | .216 | ..... | 3.31 | 1.55 | 5.6 | 4.8 | 5.0 |
| Year | 29.287 | 29.760 | 28.770 | 56.4 | 61.7 | 73.2 | 50.6 | 61.9 | 95 | 14 | 50 | .... | 80 | .... | .418 | ..... | 48.78 | 5.57 | 4.5 | 3.9 | 3.9 |

## ASHEVILLE, N. C.

[$\phi$=35° 36′ N.; $\lambda$=82° 32′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.863 | 28.140 | 27.479 | 40.7 | 45.7 | 53.5 | 36.0 | 44.8 | 67 | 6 | 36 | 36 | 83 | 69 | 0.243 | 0.250 | 2.54 | [1] 0.87 | 6.2 | 5.4 | 6.6 |
| February | 27.684 | 28.130 | 27.180 | 32.3 | 39.5 | 48.5 | 27.3 | 37.9 | 69 | 14 | 27 | 26 | 80 | 61 | .158 | .150 | 3.73 | [2] 1.62 | 4.7 | 3.9 | 4.8 |
| March | 27.589 | 27.860 | 27.010 | 38.0 | 46.9 | 56.5 | 32.5 | 44.5 | 76 | 13 | 31 | 32 | 76 | 57 | .188 | .193 | 1.74 | .66 | 4.9 | 3.8 | 4.1 |
| April | 27.637 | 27.910 | 27.320 | 47.5 | 55.9 | 63.0 | 42.6 | 52.8 | 81 | 26 | 38 | 37 | 73 | 53 | .241 | .230 | 1.35 | .65 | 6.2 | 3.8 | 5.3 |
| May | 27.665 | 27.871 | 27.420 | 60.5 | 68.5 | 77.1 | 54.0 | 65.6 | 88 | 44 | 50 | 50 | 71 | 55 | .380 | .379 | 3.60 | 2.62 | 3.2 | 3.4 | 4.5 |
| June | 27.641 | 27.850 | 27.310 | 62.6 | 69.6 | 78.5 | 57.0 | 67.8 | 88 | 48 | 58 | 58 | 84 | 67 | .482 | .486 | 5.15 | 1.10 | 5.5 | 4.9 | 5.6 |
| July | 27.712 | 27.960 | 27.504 | 67.5 | 71.4 | 79.4 | 64.9 | 72.2 | 84 | 61 | 65 | 65 | 91 | 82 | .614 | .628 | 9.28 | 2.38 | 7.0 | 7.0 | 7.4 |
| August | 27.755 | 27.910 | 27.550 | 66.4 | 72.2 | 81.8 | 63.5 | 72.6 | 87 | 56 | 64 | 66 | 93 | 80 | .603 | .635 | 2.80 | 1.11 | 6.3 | 6.1 | 6.5 |
| September | 27.779 | 28.020 | 27.570 | 56.4 | 65.2 | 74.8 | 53.0 | 63.9 | 88 | 40 | 53 | 54 | 88 | 69 | .415 | .443 | 1.72 | 1.18 | 4.7 | 3.8 | 4.0 |
| October | 27.788 | 28.010 | 27.340 | 48.2 | 58.3 | 68.5 | 44.1 | 56.3 | 80 | 33 | 44 | 46 | 86 | 65 | .309 | .332 | 2.86 | 1.16 | 3.3 | 3.5 | 3.8 |
| November | 27.813 | 28.100 | 27.220 | 39.0 | 48.2 | 57.3 | 35.3 | 46.3 | 70 | 18 | 35 | 33 | 84 | 58 | .219 | .211 | 1.36 | .37 | 4.0 | 2.6 | 3.3 |
| December | 27.670 | 28.020 | 27.130 | 32.2 | 40.0 | 49.4 | 28.2 | 38.8 | 66 | 11 | 26 | 27 | 77 | 60 | .151 | .165 | 1.57 | .44 | 4.7 | 3.6 | 4.7 |
| Year | 27.716 | 28.140 | 27.010 | 49.3 | 56.8 | 65.7 | 44.9 | 55.3 | 88 | 6 | 44 | 44 | 82 | 65 | .334 | .342 | 37.70 | 2.62 | 5.1 | 4.3 | 5.0 |

[1] 0.37 on Feb. 1.

[2] Precipitation on 1st included in greatest 24-hour precipitation of preceding month.

## ATLANTA, GA.

[$\phi$=33° 45′ N.; $\lambda$=84° 23′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.005 | 29.320 | 28.670 | 44.8 | 51.4 | 56.9 | 40.7 | 48.8 | 73 | 14 | 40 | 44 | 83 | 76 | 0.298 | 0.324 | 2.53 | 1.09 | 6.4 | 4.5 | 6.7 |
| February | 28.860 | 29.310 | 28.440 | 39.0 | 46.4 | 53.4 | 34.8 | 44.1 | 69 | 19 | 32 | 34 | 75 | 63 | .195 | .206 | 3.19 | .80 | 5.1 | 2.8 | 4.6 |
| March | 28.765 | 29.100 | 28.280 | 43.5 | 55.1 | 61.8 | 39.6 | 50.7 | 77 | 22 | 36 | 37 | 74 | 52 | .231 | .244 | 1.84 | .82 | 4.5 | 2.9 | 4.8 |
| April | 28.777 | 29.110 | 28.440 | 53.8 | 63.5 | 69.6 | 50.3 | 60.0 | 83 | 34 | 42 | 41 | 67 | 49 | .281 | .277 | 1.51 | .87 | 4.8 | 3.1 | 4.4 |
| May | 28.759 | 28.980 | 28.560 | 67.0 | 76.7 | 82.7 | 62.6 | 72.6 | 95 | 50 | 55 | 53 | 68 | 47 | .452 | .414 | 3.57 | 1.80 | 3.7 | 2.7 | 3.8 |
| June | 28.740 | 28.960 | 28.410 | 70.1 | 77.6 | 84.2 | 66.1 | 75.2 | 91 | 59 | 62 | 61 | 75 | 58 | .558 | .551 | 3.28 | 1.21 | 5.7 | 5.7 | 5.7 |
| July | 28.778 | 29.040 | 28.483 | 72.2 | 75.6 | 83.3 | 69.4 | 76.4 | 93 | 66 | 69 | 70 | 91 | 83 | .715 | .731 | 10.85 | 3.85 | 7.6 | 7.4 | 7.8 |
| August | 28.838 | 29.050 | 28.666 | 72.8 | 79.4 | 86.4 | 69.7 | 78.0 | 91 | 60 | 67 | 67 | 82 | 67 | .666 | .664 | 3.61 | 1.07 | 4.5 | 5.2 | 5.1 |
| September | 28.850 | 29.070 | 28.686 | 65.2 | 73.4 | 80.7 | 62.0 | 71.4 | 91 | 46 | 57 | 59 | 75 | 62 | .481 | .512 | 2.84 | 1.40 | 3.5 | 2.3 | 3.7 |
| October | 28.873 | 29.100 | 28.500 | 57.0 | 64.5 | 71.3 | 53.3 | 62.3 | 86 | 36 | 50 | 51 | 78 | 64 | .387 | .398 | 2.11 | 1.11 | 3.5 | 2.8 | 3.9 |
| November | 28.940 | 29.270 | 28.470 | 46.9 | 54.6 | 61.7 | 43.8 | 52.4 | 75 | 24 | 38 | 40 | 73 | 60 | .255 | .265 | 2.63 | .88 | 3.3 | 1.6 | 3.5 |
| December | 28.833 | 29.150 | 28.350 | 39.4 | 46.8 | 53.2 | 36.7 | 45.0 | 67 | 18 | 31 | 36 | 73 | 68 | .194 | .232 | 3.57 | 1.27 | 4.3 | 4.4 | 5.2 |
| Year | 28.835 | 29.320 | 28.280 | 56.0 | 63.8 | 70.4 | 52.4 | 61.4 | 95 | 14 | 48 | 49 | 76 | 62 | .392 | .402 | 41.53 | 3.85 | 4.7 | 3.8 | 4.9 |

## ATLANTIC CITY, N. J.

[$\phi$=39° 22′ N.; $\lambda$=74° 25′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.205 | 30.640 | 29.620 | 34.5 | 37.2 | 43.5 | 30.6 | 37.0 | 68 | 10 | 30 | 30 | 83 | 75 | 0.183 | 0.183 | 2.00 | 0.47 | 7.0 | 5.4 | 7.4 |
| February | 29.978 | 30.580 | 29.010 | 28.9 | 32.2 | 38.6 | 24.8 | 31.7 | 56 | 4 | 24 | 25 | 79 | 74 | .140 | .144 | 4.54 | 1.30 | 6.6 | 5.9 | 6.8 |
| March | 29.882 | 30.330 | 29.040 | 31.0 | 34.1 | 40.2 | 27.8 | 34.0 | 59 | 9 | 24 | 26 | 75 | 72 | .139 | .148 | 4.41 | 1.43 | 5.7 | 5.1 | 6.0 |
| April | 29.889 | 30.270 | 29.300 | 45.7 | 46.8 | 53.5 | 40.9 | 47.2 | 64 | 33 | 38 | 37 | 76 | 72 | .233 | .228 | 1.85 | .55 | 6.2 | 6.8 | 6.9 |
| May | 29.887 | 30.310 | 29.370 | 58.7 | 59.5 | 67.3 | 53.3 | 60.3 | 84 | 45 | 50 | 48 | 75 | 70 | .373 | .349 | 3.91 | 1.20 | 7.2 | 6.6 | 6.2 |
| June | 29.895 | 30.120 | 29.600 | 63.3 | 63.1 | 68.6 | 59.0 | 63.8 | 78 | 52 | 57 | 58 | 82 | 84 | .474 | .490 | 2.33 | .59 | 6.6 | 7.4 | 6.9 |
| July | 29.968 | 30.280 | 29.550 | 71.4 | 71.6 | 77.2 | 67.6 | 72.4 | 91 | 60 | 66 | 67 | 85 | 86 | .655 | .663 | 4.27 | 1.27 | 6.4 | 7.3 | 6.8 |
| August | 29.964 | 30.223 | 29.630 | 72.5 | 73.0 | 79.0 | 67.4 | 73.2 | 91 | 54 | 65 | 65 | 79 | 77 | .638 | .627 | 1.21 | .67 | 4.3 | 4.9 | 4.6 |
| September | 30.028 | 30.420 | 29.710 | 65.2 | 67.0 | 72.5 | 60.4 | 66.4 | 89 | 45 | 58 | 58 | 77 | 73 | .498 | .499 | 1.47 | .47 | 4.1 | 2.7 | 3.7 |
| October | 30.100 | 30.420 | 29.660 | 54.9 | 55.5 | 63.4 | 50.0 | 56.7 | 77 | 40 | 48 | 50 | 79 | 74 | .358 | .378 | 1.28 | .93 | 4.7 | 3.2 | 4.7 |
| November | 30.108 | 30.510 | 29.330 | 45.5 | 47.6 | 53.9 | 40.4 | 47.2 | 67 | 25 | 38 | 38 | 77 | 70 | .252 | .249 | 2.00 | .69 | 4.0 | 3.3 | 4.1 |
| December | 29.963 | 30.470 | 29.158 | 32.8 | 35.7 | 42.5 | 28.1 | 35.3 | 60 | 14 | 27 | 27 | 77 | 72 | .156 | .160 | 4.84 | 1.21 | 5.6 | 3.3 | 5.5 |
| Year | 29.988 | 30.640 | 29.010 | 50.4 | 52.2 | 58.4 | 45.9 | 52.1 | 91 | 4 | 44 | 44 | 79 | 75 | .342 | .343 | 34.11 | 1.43 | 5.7 | 5.2 | 5.8 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

ANNISTON, ALA.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.2 | SE. | 24 | SE. | 0 | 4 | 1 | 2 | 22 | 10 | 8 | 2 | 13 | 0 | 6 | 12 | 13 | 12 | 8 | 1 | 1 | 0 | 1 | 2 | 0 | 8 | 1 | 0 |
| February | 7.0 | NW. | 32 | NW. | 0 | 7 | 1 | 1 | 11 | 8 | 3 | 3 | 19 | 5 | 15 | 4 | 10 | 9 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 12 | 4 | 0 |
| March | 8.3 | NW. | 28 | SW. | 0 | 4 | 0 | 1 | 9 | 12 | 9 | 4 | 21 | 2 | 12 | 13 | 6 | 9 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 10 | 2 | 0 |
| April | 6.1 | NW. | 23 | S. | 0 | 6 | 1 | 2 | 5 | 9 | 10 | 11 | 13 | 3 | 16 | 9 | 5 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| May | 4.5 | NW. | 22 | NW. | 0 | 4 | 2 | 1 | 10 | 12 | 6 | 8 | 13 | 6 | 21 | 6 | 4 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 5 | 0 |
| June | 4.4 | NW. | 28 | W. | 0 | 3 | 1 | 3 | 11 | 10 | 8 | 8 | 11 | 5 | 13 | 16 | 1 | 12 | 10 | 0 | 0 | 2 | 1 | 0 | 7 | 0 | 13 | 0 |
| July | 4.5 | SE. | 26 | N. | 0 | 2 | 4 | 15 | 15 | 13 | 3 | 3 | 3 | 4 | 8 | 18 | 5 | 22 | 19 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 20 | 0 |
| August | 3.3 | SE. | 27 | W. | 0 | 7 | 2 | 2 | 11 | 16 | 3 | 6 | 8 | 7 | 17 | 14 | 0 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 10 | 0 |
| September | 5.0 | SE. | 20 | E. | 0 | 7 | 7 | 7 | 21 | 7 | 1 | 0 | 6 | 4 | 22 | 8 | 0 | 8 | 4 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 7 | 0 |
| October | 5.6 | E. | 28 | W. | 0 | 7 | 3 | 15 | 13 | 9 | 4 | 4 | 7 | 0 | 21 | 5 | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| November | 6.1 | SE. | 27 | W. | 0 | 7 | 1 | 0 | 20 | 11 | 2 | 2 | 9 | 8 | 23 | 5 | 2 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| December | 7.1 | SE. | 27 | W. | 0 | 9 | 0 | 0 | 27 | 5 | 3 | 5 | 10 | 3 | 16 | 3 | 12 | 11 | 10 | 3 | 0 | 0 | 0 | 0 | 0 | 14 | 5 | 0 |
| Year | 5.8 | SE. | 32 | NW. | 0 | 67 | 23 | 49 | 175 | 122 | 60 | 56 | 133 | 47 | 190 | 113 | 63 | 123 | 99 | 5 | 1 | 4 | 5 | 2 | 32 | 54 | 71 | 0 |

ASHVILLE, N. C.

[$H_b$=2,255 ft.; $h_t$=70 ft.; $h_r$=61 ft.; $h_a$=84 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.0 | SE. | 33 | NW. | 0 | 5 | 1 | 5 | 27 | 8 | 0 | 0 | 15 | 1 | 8 | 6 | 17 | 12 | 10 | 3 | 0 | 0 | 0 | 2 | 0 | 13 | 0 | 0 |
| February | 10.9 | NW. | 39 | NW. | 0 | 11 | 0 | 0 | 9 | 5 | 2 | 3 | 28 | 0 | 13 | 7 | 9 | 10 | 7 | 11 | 4 | 0 | 1 | 3 | 0 | 20 | 0 | 0 |
| March | 11.6 | NW. | 37 | NW. | 0 | 13 | 0 | 0 | 15 | 3 | 4 | 5 | 22 | 0 | 14 | 9 | 8 | 10 | 7 | 4 | 3 | 0 | 1 | 1 | 0 | 16 | 3 | 0 |
| April | 9.8 | NW. | 36 | E. | 0 | 7 | 0 | 2 | 14 | 9 | 1 | 1 | 26 | 0 | 10 | 11 | 9 | 12 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| May | 7.9 | NW. | 33 | S. | 0 | 7 | 0 | 4 | 10 | 8 | 1 | 6 | 26 | 0 | 12 | 13 | 6 | 9 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 0 |
| June | 5.7 | NW. | 33 | E. | 0 | 9 | 1 | 4 | 13 | 7 | 5 | 5 | 15 | 1 | 3 | 21 | 6 | 13 | 11 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 12 | 0 |
| July | 6.9 | SE. | 36 | E. | 0 | 4 | 0 | 5 | 29 | 7 | 1 | 7 | 9 | 0 | 2 | 16 | 13 | 22 | 19 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 14 | 0 |
| August | 5.1 | NW. | 31 | E. | 0 | 9 | 0 | 5 | 13 | 7 | 1 | 5 | 19 | 3 | 3 | 19 | 9 | 15 | 11 | 0 | 0 | 1 | 10 | 0 | 0 | 0 | 8 | 0 |
| September | 6.5 | NW. | 31 | E. | 0 | 8 | 1 | 7 | 13 | 11 | 0 | 2 | 16 | 2 | 15 | 10 | 5 | 8 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 0 |
| October | 7.8 | SE. | 48 | E. | 1 | 8 | 0 | 8 | 17 | 15 | 1 | 2 | 11 | 0 | 16 | 8 | 7 | 9 | 6 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| November | 8.9 | NW. | 35 | SE. | 0 | 6 | 0 | 2 | 14 | 9 | 3 | 1 | 24 | 1 | 20 | 3 | 7 | 10 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 0 |
| December | 10.0 | NW. | 40 | N. | 1 | 7 | 0 | 3 | 22 | 7 | 1 | 2 | 20 | 0 | 12 | 8 | 11 | 13 | 9 | 6 | 3 | 0 | 2 | 3 | 0 | 19 | 1 | 0 |
| Year | 8.5 | NW. | 48 | E. | 2 | 94 | 3 | 45 | 196 | 96 | 20 | 39 | 231 | 8 | 128 | 131 | 107 | 143 | 103 | 27 | 12 | 1 | 36 | 9 | 0 | 81 | 51 | 0 |

ATLANTA, GA.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.1 | SE. | 40 | NW. | 1 | 1 | 1 | 15 | 21 | 5 | 4 | 0 | 15 | 0 | 6 | 7 | 18 | 11 | 8 | 1 | 1 | 0 | 8 | 2 | 0 | 8 | 0 | 0 |
| February | 14.9 | NW. | 50 | NW. | 7 | 1 | 0 | 8 | 6 | 4 | 4 | 8 | 27 | 0 | 13 | 4 | 12 | 8 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 12 | 2 | 0 |
| March | 15.0 | NW. | 50 | NW. | 5 | 3 | 0 | 2 | 9 | 11 | 9 | 9 | 19 | 0 | 13 | 8 | 10 | 6 | 5 | 1 | 0 | 1 | 1 | 0 | 0 | 9 | 2 | 0 |
| April | 12.2 | NW. | 42 | SE. | 1 | 2 | 0 | 8 | 7 | 7 | 6 | 16 | 14 | 0 | 15 | 9 | 6 | 7 | 4 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| May | 10.5 | NW. | 30 | NW. | 0 | 1 | 3 | 6 | 7 | 11 | 1 | 15 | 18 | 0 | 19 | 7 | 5 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 3 | 0 |
| June | 8.7 | W. | 36 | W. | 0 | 4 | 1 | 3 | 9 | 6 | 7 | 23 | 7 | 0 | 8 | 10 | 12 | 12 | 9 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 10 | 0 |
| July | 8.4 | SE. | 40 | SE. | 1 | 0 | 2 | 12 | 21 | 10 | 2 | 9 | 6 | 0 | 3 | 6 | 22 | 24 | 20 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 20 | 0 |
| August | 7.6 | NW. | 44 | NW. | 1 | 3 | 2 | 6 | 12 | 5 | 5 | 13 | 14 | 2 | 13 | 9 | 9 | 11 | 9 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 12 | 0 |
| September | 9.1 | E. | 36 | NW. | 0 | 6 | 5 | 16 | 10 | 7 | 5 | 3 | 6 | 2 | 19 | 6 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 0 |
| October | 10.0 | E. | 34 | E. | 0 | 3 | 10 | 23 | 6 | 2 | 4 | 2 | 12 | 0 | 18 | 3 | 10 | 5 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| November | 12.4 | NW. | 38 | NW. | 0 | 2 | 1 | 19 | 4 | 5 | 1 | 8 | 20 | 0 | 19 | 2 | 9 | 10 | 8 | 0 | 0 | 0 | 7 | 0 | 0 | 3 | 0 | 0 |
| December | 12.6 | NW. | 44 | W. | 4 | 1 | 0 | 17 | 11 | 6 | 3 | 10 | 14 | 0 | 13 | 5 | 13 | 13 | 10 | 1 | 0 | 1 | 8 | 0 | 0 | 11 | 1 | 0 |
| Year | 11.2 | NW. | 50 | NW. | 20 | 27 | 25 | 135 | 123 | 79 | 51 | 116 | 172 | 4 | 159 | 76 | 131 | 118 | 95 | 5 | 1 | 4 | 30 | 2 | 18 | 43 | 57 | 0 |

ATLANTIC CITY, N. J.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.8 | SW. | 26 | SW. | 0 | 6 | 4 | 2 | 2 | 2 | 23 | 9 | 15 | 0 | 7 | 3 | 21 | 12 | 11 | 3 | 3 | 0 | 2 | 4 | 0 | 15 | 0 | 0 |
| February | 9.9 | NW. | 32 | NW | 0 | 7 | 8 | 3 | 1 | 2 | 11 | 11 | 15 | 0 | 5 | 9 | 15 | 9 | 9 | 9 | 4 | 0 | 0 | 6 | 0 | 21 | 0 | 0 |
| March | 9.8 | NW. | 38 | NE. | 0 | 11 | 14 | 6 | 4 | 2 | 7 | 4 | 14 | 0 | 10 | 7 | 14 | 13 | 10 | 10 | 7 | 0 | 0 | 5 | 0 | 20 | 2 | 0 |
| April | 8.6 | NW. | 34 | NW. | 0 | 8 | 6 | 7 | 3 | 6 | 10 | 7 | 13 | 0 | 5 | 8 | 17 | 13 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 7.8 | SW. | 26 | W. | 0 | 4 | 4 | 3 | 4 | 12 | 17 | 5 | 12 | 1 | 9 | 7 | 15 | 11 | 10 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 5 | 0 |
| June | 7.7 | SW. | 24 | SE. | 0 | 6 | 13 | 5 | 10 | 11 | 10 | 3 | 2 | 0 | 7 | 6 | 17 | 14 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 9 | 0 |
| July | 8.2 | SW. | 32 | NE. | 0 | 3 | 9 | 5 | 3 | 9 | 27 | 2 | 4 | 0 | 8 | 7 | 16 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| August | 7.2 | SW. | 18 | N. | 0 | 7 | 13 | 1 | 4 | 10 | 15 | 4 | 8 | 0 | 13 | 10 | 8 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 |
| September | 7.7 | SW. | 24 | S. | 0 | 7 | 1 | 7 | 5 | 11 | 15 | 5 | 9 | 0 | 15 | 10 | 5 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| October | 8.1 | SW. | 28 | S. | 0 | 10 | 10 | 4 | 6 | 5 | 9 | 5 | 13 | 0 | 14 | 7 | 10 | 4 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 8.3 | SW. | 31 | S. | 0 | 10 | 3 | 1 | 1 | 4 | 13 | 18 | 10 | 0 | 17 | 4 | 9 | 10 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| December | 8.6 | NW. | 30 | W. | 0 | 3 | 2 | 2 | 2 | 7 | 5 | 20 | 21 | 0 | 12 | 4 | 15 | 13 | 10 | 5 | 5 | 0 | 2 | 5 | 0 | 19 | 1 | 0 |
| Year | 8.4 | SW. | 38 | NE. | 0 | 82 | 87 | 46 | 45 | 81 | 161 | 93 | 136 | 1 | 122 | 82 | 162 | 126 | 92 | 31 | 22 | 1 | 11 | 20 | 3 | 82 | 31 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

AUGUSTA, GA.

[$\phi$=33° 28′ N.; $\lambda$=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 | 30.080 | 30.393 | 29.690 | 48.3 | 56.0 | 63.4 | 44.7 | 54.0 | 78 | 24 | 45 | 48 | 89 | 75 | 0.336 | 0.361 | 0.75 | 0.31 | 6.9 | 4.8 | 5.8 |
| February | 29.901 | 30.410 | 29.360 | 43.1 | 52.3 | 60.4 | 40.4 | 50.4 | 74 | 23 | 37 | 41 | 79 | 67 | .241 | .275 | 4.28 | 2.25 | 4.4 | 3.8 | 3.8 |
| March | 29.802 | 30.140 | 29.250 | 48.4 | 59.2 | 68.0 | 43.4 | 55.7 | 84 | 27 | 41 | 44 | 75 | 59 | .275 | .306 | 1.39 | .80 | 4.1 | 3.0 | 3.4 |
| April | 29.802 | 30.160 | 29.540 | 56.5 | 67.0 | 74.7 | 51.0 | 62.8 | 88 | 33 | 48 | 48 | 74 | 52 | .341 | .341 | 1.79 | .80 | 3.5 | 2.6 | 3.8 |
| May | 29.762 | 30.040 | 29.490 | 70.0 | 79.4 | 87.4 | 63.7 | 75.6 | 99 | 53 | 60 | 58 | 72 | 50 | .537 | .494 | 1.65 | 1.16 | 3.8 | 3.3 | 3.5 |
| June | 29.743 | 29.940 | 29.430 | 73.8 | 78.8 | 88.3 | 68.1 | 78.2 | 95 | 60 | 67 | 66 | 79 | 67 | .662 | .647 | 7.41 | 2.78 | 5.8 | 7.2 | 5.7 |
| July | 29.796 | 30.020 | 29.510 | 75.9 | 77.3 | 86.3 | 72.1 | 79.2 | 92 | 69 | 72 | 72 | 87 | 84 | .778 | .782 | 8.25 | 1.48 | 8.2 | 7.8 | 7.9 |
| August | 29.828 | 30.000 | 29.590 | 75.9 | 81.2 | 90.2 | 72.0 | 81.1 | 97 | 65 | 71 | 70 | 85 | 72 | .756 | .748 | 2.20 | .90 | 5.6 | 3.7 | 5.5 |
| September | 29.858 | 30.090 | 29.650 | 68.0 | 74.0 | 84.3 | 63.9 | 74.1 | 93 | 51 | 62 | 64 | 82 | 73 | .573 | .675 | 3.45 | 2.28 | 3.9 | 2.3 | 3.6 |
| October | 29.894 | 30.130 | 29.550 | 60.0 | 66.6 | 75.6 | 55.7 | 65.6 | 85 | 40 | 54 | 56 | 81 | 69 | .446 | .464 | 1.10 | .74 | 5.2 | 3.5 | 4.6 |
| November | 29.983 | 30.360 | 29.490 | 47.1 | 57.5 | 68.1 | 43.3 | 55.7 | 80 | 26 | 44 | 47 | 88 | 68 | .306 | .341 | 1.46 | .77 | 3.4 | 1.5 | 3.7 |
| December | 29.898 | 30.240 | 29.320 | 41.1 | 50.0 | 59.2 | 37.8 | 48.5 | 74 | 26 | 38 | 42 | 88 | 76 | .239 | .288 | 2.12 | .80 | 4.3 | 4.5 | 4.5 |
| Year | 29.862 | 30.410 | 29.250 | 59.0 | 66.6 | 75.5 | 54.7 | 65.1 | 99 | 23 | 53 | 55 | 82 | 68 | .458 | .472 | 35.85 | 2.78 | 4.9 | 4.0 | 4.6 |

BAKER, OREG.

[$\phi$=44° 46′ N.; $\lambda$=117° 50′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 26.258 | 26.840 | 25.670 | 14.6 | 19.2 | 24.9 | 7.6 | 16.2 | 46 | −11 | 10 | 14 | 82 | 78 | 0.075 | 0.084 | 0.85 | 0.20 | 5.8 | 7.7 | 6.9 |
| February | 26.524 | 26.950 | 25.900 | 28.3 | 35.3 | 39.0 | 24.3 | 31.6 | 52 | 4 | 24 | 28 | 83 | 76 | .127 | .156 | 1.91 | .73 | 5.2 | 6.7 | 5.8 |
| March | 26.440 | 26.830 | 25.796 | 34.2 | 45.4 | 49.1 | 30.4 | 39.8 | 63 | 20 | 28 | 32 | 78 | 61 | .155 | .184 | .89 | .39 | 4.8 | 7.6 | 6.3 |
| April | 26.476 | 26.790 | 26.220 | 36.3 | 54.3 | 57.5 | 33.5 | 45.5 | 77 | 23 | 30 | 33 | 76 | 48 | .166 | .191 | .85 | .31 | 5.1 | 4.7 | 3.9 |
| May | 26.396 | 26.710 | 25.960 | 37.1 | 54.3 | 58.6 | 35.1 | 46.8 | 76 | 24 | 31 | 33 | 77 | 47 | .172 | .189 | 1.73 | .97 | 4.6 | 6.0 | 5.2 |
| June | 26.437 | 26.636 | 26.134 | 44.9 | 66.3 | 69.0 | 42.4 | 55.7 | 93 | 31 | 37 | 39 | 75 | 41 | .230 | .246 | 1.43 | .74 | 4.0 | 5.6 | 4.5 |
| July | 26.444 | 26.650 | 26.210 | 48.9 | 74.5 | 77.2 | 47.6 | 62.4 | 93 | 40 | 42 | 46 | 79 | 39 | .275 | .320 | 1.21 | .66 | 2.2 | 2.9 | 2.2 |
| August | 26.447 | 26.690 | 26.197 | 48.9 | 77.2 | 79.9 | 47.3 | 63.6 | 90 | 35 | 39 | 42 | 69 | 32 | .239 | .275 | 1.08 | .79 | 1.2 | 3.2 | 2.3 |
| September | 26.464 | 26.730 | 26.110 | 43.3 | 68.1 | 70.9 | 40.2 | 55.6 | 88 | 31 | 33 | 38 | 69 | 37 | .193 | .233 | .28 | .11 | 2.8 | 3.7 | 3.0 |
| October | 26.514 | 26.820 | 26.020 | 33.0 | 52.9 | 58.0 | 29.9 | 44.0 | 75 | 19 | 26 | 29 | 72 | 42 | .137 | .163 | .21 | .08 | 2.2 | 3.2 | 3.5 |
| November | 26.597 | 27.040 | 26.016 | 25.7 | 36.5 | 41.7 | 20.6 | 31.2 | 64 | −4 | 19 | 21 | 76 | 53 | .107 | .117 | .35 | .22 | 4.5 | 5.0 | 5.1 |
| December | 26.387 | 26.860 | 25.640 | 20.4 | 25.6 | 30.1 | 15.1 | 22.6 | 45 | −10 | 16 | 19 | 81 | 75 | .094 | .106 | 1.12 | .38 | 6.9 | 7.1 | 6.8 |
| Year | 26.449 | 27.040 | 25.640 | 34.6 | 51.6 | 54.7 | 31.2 | 42.9 | 93 | −11 | 28 | 31 | 76 | 52 | .164 | .189 | 11.91 | .97 | 4.1 | 5.3 | 4.6 |

BALBOA HEIGHTS, CANAL ZONE.

[$\phi$=—° —′ N.; $\lambda$=—° —′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | | | | | | 88.1 | 72.5 | 80.3 | 90 | 68 | | | | | | | 1.41 | 0.36 | | | 5.8 |
| February | | | | | | 87.0 | 71.1 | 79.0 | 90 | 68 | | | | | | | 1.48 | .75 | | | 5.8 |
| March | | | | | | 88.8 | 72.0 | 80.4 | 91 | 69 | | | | | | | .89 | .31 | | | 6.1 |
| April | | | | | | 88.8 | 73.5 | 81.2 | 92 | 69 | | | | | | | 2.84 | .88 | | | 6.9 |
| May | | | | | | 85.7 | 73.9 | 79.8 | 91 | 69 | | | | | | | 12.59 | 4.70 | | | 8.2 |
| June | | | | | | 84.7 | 73.6 | 79.2 | 89 | 72 | | | | | | | 4.39 | 1.16 | | | 8.8 |
| July | | | | | | 84.2 | 72.7 | 78.4 | 90 | 70 | | | | | | | 10.13 | 2.73 | | | 7.8 |
| August | | | | | | 83.3 | 72.9 | 78.1 | 89 | 70 | | | | | | | 10.53 | 2.46 | | | 8.3 |
| September | | | | | | 85.4 | 73.3 | 79.4 | 90 | 71 | | | | | | | 8.02 | 1.84 | | | 8.2 |
| October | | | | | | 82.8 | 73.2 | 78.0 | 86 | 71 | | | | | | | 10.17 | 2.48 | | | 8.7 |
| November | | | | | | 83.8 | 72.3 | 78.0 | 89 | 69 | | | | | | | 8.77 | 2.01 | | | 7.9 |
| December | | | | | | 86.2 | 72.0 | 79.1 | 89 | 70 | | | | | | | 5.86 | 1.74 | | | 5.9 |
| Year | | | | | | 85.7 | 72.8 | 79.2 | 92 | 68 | | | | | | | 77.08 | 4.70 | | | 7.4 |

BALTIMORE, MD.

[$\phi$=39° 17′ N.; $\lambda$=76° 37′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.132 | 30.540 | 29.540 | 35.5 | 40.6 | 47.4 | 31.6 | 39.5 | 71 | 10 | 28 | 30 | 72 | 68 | 0.174 | 0.192 | 1.51 | 0.38 | 6.3 | 5.5 | 6.6 |
| February | 29.927 | 30.540 | 29.090 | 29.8 | 34.0 | 40.8 | 26.5 | 33.6 | 58 | 8 | 20 | 24 | 67 | 66 | .121 | .137 | 3.21 | 1.34 | 6.1 | 6.5 | 6.3 |
| March | 29.827 | 30.320 | 29.000 | 33.3 | 39.2 | 44.1 | 29.9 | 37.0 | 64 | 13 | 22 | 26 | 63 | 62 | .128 | .155 | 3.61 | 1.35 | 5.1 | 5.2 | 5.8 |
| April | 29.829 | 30.180 | 29.250 | 48.5 | 54.7 | 61.1 | 44.1 | 52.6 | 76 | 32 | 38 | 39 | 68 | 58 | .233 | .248 | 3.68 | 1.54 | 5.3 | 5.5 | 6.1 |
| May | 29.808 | 30.230 | 29.410 | 63.5 | 68.3 | 74.7 | 58.6 | 66.6 | 92 | 47 | 51 | 53 | 65 | 61 | .385 | .423 | 3.49 | 1.27 | 4.9 | 6.3 | 5.6 |
| June | 29.808 | 30.100 | 29.480 | 66.1 | 71.7 | 76.9 | 61.8 | 69.4 | 86 | 53 | 56 | 59 | 70 | 66 | .451 | .502 | 5.33 | 1.48 | 5.2 | 6.6 | 5.5 |
| July | 29.880 | 30.210 | 29.500 | 74.7 | 78.9 | 85.4 | 70.6 | 78.0 | 93 | 60 | 66 | 68 | 76 | 70 | .658 | .693 | 5.04 | 1.88 | 6.1 | 7.3 | 6.1 |
| August | 29.878 | 30.150 | 29.550 | 73.1 | 77.9 | 84.8 | 68.9 | 76.8 | 98 | 59 | 63 | 65 | 72 | 65 | .594 | .627 | .83 | .41 | 5.2 | 3.8 | 4.3 |
| September | 29.957 | 30.350 | 29.650 | 63.7 | 68.3 | 76.8 | 58.5 | 67.6 | 94 | 46 | 54 | 57 | 73 | 68 | .450 | .483 | 1.82 | .54 | 3.8 | 2.5 | 3.7 |
| October | 30.033 | 30.370 | 29.470 | 53.0 | 59.6 | 66.9 | 48.3 | 57.6 | 86 | 40 | 44 | 49 | 73 | 69 | .311 | .369 | 1.61 | 1.29 | 3.4 | 3.2 | 3.9 |
| November | 30.037 | 30.470 | 29.250 | 43.7 | 48.4 | 54.9 | 39.7 | 47.3 | 75 | 25 | 34 | 35 | 68 | 60 | .208 | .216 | 1.97 | .76 | 4.5 | 4.1 | 4.3 |
| December | 29.908 | 30.440 | 29.120 | 32.8 | 36.3 | 41.9 | 30.2 | 36.0 | 70 | 13 | 23 | 24 | 66 | 62 | .133 | .138 | 3.94 | 1.26 | 4.8 | 2.7 | 5.0 |
| Year | 29.919 | 30.540 | 29.000 | 51.5 | 56.5 | 63.0 | 47.4 | 55.2 | 98 | 8 | 42 | 44 | 69 | 65 | .320 | .349 | 36.04 | 1.88 | 5.1 | 4.9 | 5.3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

AUGUSTA, GA.

[$H_b$=180 ft.; $h_t$=62 ft.; $h_r$=54 ft.; $h_a$=77 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 6.8 | NE. | 24 | W. | 0 | 2 | 18 | 6 | 11 | 9 | 2 | 5 | 6 | 3 | 10 | 7 | 14 | 7 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 0 | 0 |
| February | 8.0 | W. | 38 | NW. | 0 | 9 | 3 | 5 | 5 | 3 | 7 | 17 | 8 | 1 | 16 | 5 | 8 | 8 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 3 | 0 |
| March | 9.0 | NW. | 39 | W. | 0 | 2 | 2 | 5 | 5 | 12 | 15 | 10 | 11 | 0 | 16 | 12 | 3 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 3 | 0 |
| April | 6.8 | NW. | 28 | NW. | 0 | 4 | 2 | 6 | 14 | 6 | 6 | 7 | 14 | 1 | 17 | 6 | 7 | 4 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 |
| May | 6.2 | SE. | 23 | SE. | 0 | 3 | 9 | 5 | 15 | 12 | 4 | 3 | 11 | 0 | 16 | 10 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 3 | 0 |
| June | 5.5 | S. | 41 | NW. | 1 | 1 | 7 | 4 | 4 | 21 | 10 | 5 | 8 | 0 | 8 | 10 | 12 | 10 | 9 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 13 | 0 |
| July | 5.7 | SE. | 28 | SW. | 0 | 3 | 4 | 11 | 16 | 12 | 6 | 1 | 9 | 0 | 3 | 9 | 19 | 18 | 16 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 15 | 0 |
| August | 4.4 | SE. | 44 | NW. | 1 | 3 | 8 | 9 | 8 | 13 | 8 | 3 | 10 | 0 | 9 | 13 | 9 | 8 | 4 | 0 | 0 | 0 | 1 | 0 | 20 | 0 | 9 | 0 |
| September | 5.2 | NE. | 20 | NE. | 0 | 6 | 15 | 12 | 9 | 9 | 0 | 0 | 8 | 1 | 16 | 9 | 5 | 5 | 4 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 1 | 0 |
| October | 6.6 | NE. | 27 | SW. | 0 | 6 | 25 | 7 | 5 | 7 | 0 | 1 | 11 | 0 | 14 | 6 | 11 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 4.7 | NW. | 24 | SW. | 0 | 4 | 11 | 8 | 3 | 7 | 0 | 5 | 19 | 3 | 17 | 3 | 10 | 5 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 |
| December | 5.5 | NW. | 29 | NW. | 0 | 6 | 6 | 7 | 9 | 5 | 6 | 8 | 14 | 1 | 14 | 7 | 10 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 |
| Year | 6.2 | NW. | 44 | NW. | 2 | 49 | 110 | 85 | 104 | 116 | 64 | 65 | 129 | 10 | 156 | 97 | 113 | 94 | 75 | 1 | 0 | 1 | 11 | 0 | 19 | 28 | 50 | 0 |

BAKER, OREG.

[$H_b$=3,471 ft.; $h_t$=48 ft.; $h_r$=40 ft.; $h_a$=53 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.4 | SE. | 24 | SE. | 0 | 2 | 5 | 3 | 15 | 23 | 1 | 6 | 7 | 0 | 6 | 6 | 19 | 14 | 6 | 19 | 13 | 0 | 0 | 23 | 0 | 30 | 0 | 0 |
| February | 6.1 | SE. | 27 | SW. | 0 | 1 | 2 | 5 | 15 | 16 | 1 | 5 | 9 | 4 | 9 | 7 | 13 | 7 | 6 | 10 | 6 | 0 | 1 | 4 | 0 | 24 | 0 | 0 |
| March | 7.5 | SE. | 33 | S. | 0 | 3 | 2 | 3 | 18 | 19 | 2 | 5 | 10 | 0 | 6 | 11 | 14 | 11 | 6 | 6 | 3 | 0 | 0 | 0 | 0 | 18 | 0 | 0 |
| April | 6.7 | SE. | 27 | SE. | 0 | 6 | 2 | 1 | 23 | 6 | 2 | 3 | 17 | 0 | 17 | 6 | 7 | 8 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| May | 7.3 | NW. | 29 | NW. | 0 | 8 | 2 | 2 | 18 | 6 | 1 | 0 | 25 | 0 | 7 | 17 | 7 | 11 | 9 | 5 | 5 | 0 | 0 | 0 | 0 | 10 | 0 | 0 |
| June | 5.7 | SE. | 22 | N. | 0 | 7 | 2 | 2 | 20 | 10 | 2 | 1 | 15 | 1 | 13 | 8 | 9 | 8 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 2 | 0 |
| July | 5.5 | NW. | 19 | SW. | 0 | 5 | 2 | 0 | 28 | 3 | 0 | 4 | 20 | 0 | 21 | 7 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| August | 6.1 | SE. | 28 | SW. | 0 | 2 | 2 | 1 | 28 | 2 | 0 | 6 | 20 | 1 | 23 | 7 | 1 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 6 | 1 |
| September | 6.2 | SE. | 18 | NW. | 0 | 2 | 1 | 1 | 32 | 3 | 2 | 2 | 17 | 0 | 19 | 5 | 6 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| October | 6.7 | SE. | 22 | N. | 0 | 8 | 2 | 1 | 22 | 6 | 1 | 6 | 16 | 0 | 19 | 5 | 7 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 |
| November | 6.7 | SE. | 30 | SE. | 0 | 5 | 3 | 3 | 31 | 7 | 1 | 4 | 5 | 1 | 12 | 9 | 9 | 4 | 2 | 7 | 3 | 0 | 0 | 3 | 0 | 27 | 0 | 0 |
| December | 6.4 | SE. | 34 | SW. | 0 | 2 | 1 | 1 | 38 | 12 | 1 | 3 | 4 | 0 | 7 | 7 | 17 | 14 | 10 | 16 | 12 | 0 | 0 | 20 | 0 | 29 | 0 | 0 |
| Year | 6.4 | SE. | 34 | SW. | 0 | 51 | 26 | 23 | 288 | 113 | 14 | 45 | 165 | 7 | 159 | 95 | 112 | 96 | 67 | 69 | 44 | 1 | 1 | 50 | 7 | 173 | 10 | 1 |

BALBOA HEIGHTS, CANAL ZONE.

[$H_b$=118 ft.; $h_t$=4 ft.; $h_r$=4 ft.; $h_a$=97 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.4 | N. | 25 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 5 | 21 | 5 | 11 | 6 | .... | .... | .... | 0 | 0 | 7 | 0 | 2 | 0 |
| February | 11.4 | NW. | 30 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 4 | 19 | 6 | 8 | 3 | .... | .... | .... | 0 | 0 | 1 | 0 | 0 | 0 |
| March | 10.1 | NW. | 32 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 27 | 4 | 6 | 4 | .... | .... | .... | 0 | 0 | 14 | 0 | 0 | 0 |
| April | 7.5 | NW. | 27 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 4 | 10 | 16 | 14 | 10 | .... | .... | .... | 0 | 0 | 13 | 0 | 12 | 0 |
| May | 6.2 | NW. | 31 | NE. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 | 9 | 21 | 20 | 16 | .... | .... | .... | 0 | 0 | 4 | 0 | 13 | 0 |
| June | 7.0 | N. | 34 | SW. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 3 | 27 | 23 | 18 | .... | .... | .... | 0 | 0 | 0 | 0 | 12 | 0 |
| July | 5.2 | N. | 30 | SW. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 13 | 18 | 23 | 17 | .... | .... | .... | 0 | 0 | 1 | 0 | 13 | 0 |
| August | 6.7 | S. | 36 | S. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 7 | 24 | 23 | 15 | .... | .... | .... | 0 | 0 | 0 | 0 | 11 | 0 |
| September | 5.8 | NW. | 29 | NE. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 7 | 23 | 21 | 15 | .... | .... | .... | 0 | 0 | 3 | 0 | 15 | 0 |
| October | 8.4 | S. | 33 | S. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 2 | 29 | 23 | 20 | .... | .... | .... | 0 | 0 | 0 | 0 | 15 | 0 |
| November | 6.2 | S. | 30 | S. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 0 | 21 | 25 | 21 | .... | .... | .... | 0 | 0 | 0 | 0 | 10 | 0 |
| December | 6.2 | NW. | 21 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 2 | 24 | 5 | 14 | 13 | .... | .... | .... | 0 | 0 | 0 | 0 | 1 | 0 |
| Year | 7.3 | NW. | 36 | S. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 16 | 151 | 199 | 211 | 158 | .... | .... | .... | 0 | 0 | 43 | 0 | 104 | 0 |

BALTIMORE, MD.

[$H_b$=123 ft.; $h_t$=100 ft.; $h_r$=90 ft.; $h_a$=113 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.2 | SW. | 36 | N. | 0 | 7 | 4 | 4 | 11 | 10 | 10 | 6 | 8 | 2 | 7 | 7 | 17 | 14 | 13 | 3 | 2 | 0 | 6 | 5 | 0 | 13 | 0 | 0 |
| February | 8.3 | N. | 27 | SW. | 0 | 15 | 7 | 1 | 4 | 6 | 10 | 5 | 10 | 0 | 7 | 8 | 14 | 9 | 9 | 8 | 3 | 0 | 1 | 4 | 0 | 21 | 0 | 0 |
| March | 8.7 | NW. | 26 | NE. | 0 | 15 | 11 | 4 | 4 | 6 | 7 | 3 | 12 | 0 | 10 | 8 | 13 | 10 | 10 | 8 | 3 | 0 | 1 | 5 | 0 | 20 | 3 | 0 |
| April | 8.1 | NW. | 48 | NW. | 2 | 11 | 8 | 5 | 2 | 8 | 10 | 3 | 12 | 1 | 8 | 10 | 12 | 12 | 10 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 4 | 0 |
| May | 7.6 | SW. | 40 | NW. | 1 | 10 | 11 | 4 | 4 | 12 | 11 | 2 | 8 | 0 | 10 | 11 | 10 | 11 | 9 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 |
| June | 7.3 | N. | 25 | E. | 0 | 11 | 6 | 10 | 11 | 5 | 9 | 2 | 6 | 0 | 10 | 11 | 9 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 7.1 | S. | 25 | NE. | 0 | 6 | 11 | 4 | 4 | 19 | 12 | 1 | 5 | 0 | 6 | 15 | 10 | 14 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 8 | 0 |
| August | 5.8 | S. | 26 | NW. | 0 | 7 | 7 | 6 | 5 | 14 | 12 | 1 | 10 | 0 | 14 | 12 | 5 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 6 | 0 |
| September | 9.0 | S. | 44 | NW. | 1 | 6 | 4 | 2 | 3 | 16 | 13 | 2 | 14 | 0 | 13 | 12 | 5 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 |
| October | 6.4 | N. | 27 | N. | 0 | 18 | 7 | 2 | 3 | 13 | 6 | 2 | 10 | 1 | 17 | 6 | 8 | 7 | 4 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 |
| November | 6.7 | SW. | 29 | NW. | 0 | 9 | 6 | 1 | 4 | 10 | 24 | 3 | 3 | 0 | 15 | 6 | 9 | 8 | 7 | 1 | 1 | 0 | 4 | 0 | 0 | 6 | 0 | 0 |
| December | 6.6 | SW. | 36 | SW. | 0 | 11 | 7 | 3 | 2 | 7 | 16 | 8 | 8 | 0 | 10 | 12 | 9 | 12 | 11 | 6 | 4 | 1 | 5 | 5 | 0 | 20 | 1 | 0 |
| Year | 7.6 | SW. | 48 | NW. | 4 | 126 | 89 | 46 | 57 | 126 | 140 | 38 | 106 | 4 | 127 | 118 | 121 | 123 | 102 | 28 | 15 | 1 | 24 | 19 | 16 | 81 | 37 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

BENTONVILLE, ARK.

[$\phi$=36° 22′ N.; $\lambda$=94° 12′ 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 | 28.705 | 29.190 | 28.170 | 34.3 | ..... | 47.0 | 27.1 | 37.0 | 69 | − 5 | 30 | .... | 83 | .... | 0.192 | ..... | 11.18 | 3.46 | 7.7 | ..... | 7.7 |
| February | 28.783 | 29.210 | 28.350 | 30.6 | ..... | 47.3 | 27.2 | 37.2 | 72 | 8 | 26 | .... | 86 | .... | .151 | ..... | 1.74 | .92 | 5.0 | ..... | 4.8 |
| March | 28.557 | 29.090 | 27.960 | 42.9 | ..... | 62.2 | 38.4 | 50.3 | 89 | 17 | 34 | .... | 73 | .... | .213 | ..... | 2.16 | .76 | 4.2 | ..... | 4.5 |
| April | 28.596 | 28.970 | 28.170 | 49.2 | ..... | 63.9 | 45.9 | 54.9 | 79 | 28 | 43 | .... | 80 | .... | .284 | ..... | 6.36 | 1.20 | 5.2 | ..... | 6.4 |
| May | 28.530 | 28.700 | 28.250 | 61.5 | ..... | 77.4 | 56.5 | 67.0 | 87 | 42 | 54 | .... | 77 | .... | .433 | ..... | 2.65 | .66 | 4.5 | ..... | 5.0 |
| June | 28.536 | 28.790 | 27.930 | 67.0 | ..... | 82.0 | 61.6 | 71.8 | 90 | 53 | 61 | .... | 83 | .... | .552 | ..... | 4.73 | 1.58 | 5.5 | ..... | 5.3 |
| July | 28.623 | 28.825 | 28.420 | 73.8 | ..... | 92.7 | 67.2 | 80.0 | 98 | 61 | 67 | .... | 78 | .... | .655 | ..... | 3.86 | 1.96 | .7 | ..... | 1.9 |
| August | 28.661 | 28.840 | 28.410 | 71.1 | ..... | 91.6 | 67.5 | 79.6 | 99 | 52 | 65 | .... | 81 | .... | .627 | ..... | 3.42 | 1.53 | 3.9 | ..... | 3.3 |
| September | 28.683 | 28.970 | 28.220 | 60.0 | ..... | 80.9 | 57.0 | 69.0 | 93 | 34 | 55 | .... | 84 | .... | .457 | ..... | 4.34 | 1.71 | 2.4 | ..... | 3.2 |
| October | 28.692 | 29.040 | 28.300 | 50.7 | ..... | 71.3 | 47.1 | 59.2 | 87 | 26 | 43 | .... | 76 | .... | .295 | ..... | 1.45 | .97 | 3.5 | ..... | 3.7 |
| November | 28.735 | 29.090 | 28.340 | 42.1 | ..... | 59.7 | 38.2 | 49.0 | 80 | 12 | 33 | .... | 72 | .... | .210 | ..... | 3.02 | 1.35 | 3.7 | ..... | 2.8 |
| December | 28.600 | 29.010 | 28.080 | 30.6 | ..... | 46.7 | 25.1 | 35.9 | 70 | − 8 | 22 | .... | 71 | .... | .140 | ..... | 2.41 | .95 | 3.7 | ..... | 4.5 |
| Year | 28.642 | 29.210 | 27.930 | 51.2 | ..... | 68.6 | 46.6 | 57.6 | 99 | − 8 | 44 | .... | 79 | .... | .351 | ..... | 47.32 | 3.46 | 4.2 | ..... | 4.4 |

BINGHAMTON, N. Y.

[$\phi$=42° 6′ N.; $\lambda$=75° 55′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.220 | 29.670 | 28.570 | 28.2 | ..... | 39.3 | 23.4 | 31.4 | 68 | 4 | 23 | .... | 80 | .... | 0.140 | ..... | 1.31 | 0.34 | 6.2 | ..... | 7.0 |
| February | 29.030 | 29.660 | 28.240 | 17.0 | ..... | 27.7 | 12.8 | 20.2 | 50 | −14 | 13 | .... | 86 | .... | .085 | ..... | 3.15 | 1.31 | 7.0 | ..... | 7.2 |
| March | 28.967 | 29.346 | 28.320 | 21.4 | ..... | 33.6 | 16.5 | 25.0 | 58 | − 6 | 18 | .... | 86 | .... | .106 | ..... | 3.07 | 1.27 | 6.9 | ..... | 6.4 |
| April | 28.986 | 29.320 | 28.418 | 40.6 | ..... | 53.3 | 37.3 | 45.3 | 76 | 28 | 36 | .... | 85 | .... | .219 | ..... | 3.61 | .80 | 6.4 | ..... | 7.1 |
| May | 28.990 | 29.405 | 28.560 | 53.3 | ..... | 68.4 | 47.6 | 58.0 | 82 | 39 | 47 | .... | 81 | .... | .339 | ..... | 4.29 | 1.11 | 6.6 | ..... | 6.2 |
| June | 29.015 | 29.273 | 28.690 | 58.6 | ..... | 70.4 | 52.4 | 61.4 | 82 | 39 | 54 | .... | 84 | .... | .416 | ..... | 3.88 | 1.33 | 6.3 | ..... | 6.7 |
| July | 29.094 | 29.401 | 28.650 | 69.3 | ..... | 83.9 | 64.3 | 74.1 | 92 | 50 | 64 | .... | 85 | .... | .614 | ..... | 3.71 | 1.88 | 6.8 | ..... | 6.9 |
| August | 29.083 | 29.345 | 28.740 | 63.5 | ..... | 82.7 | 58.9 | 70.8 | 99 | 45 | 59 | .... | 86 | .... | .512 | ..... | 2.80 | 1.07 | 4.0 | ..... | 4.5 |
| September | 29.123 | 29.530 | 28.840 | 56.2 | ..... | 73.5 | 50.3 | 61.9 | 87 | 35 | 53 | .... | 88 | .... | .411 | ..... | 4.05 | 1.34 | 3.7 | ..... | 5.3 |
| October | 29.210 | 29.560 | 28.520 | 42.7 | ..... | 63.6 | 38.2 | 50.9 | 84 | 26 | 40 | .... | 90 | .... | .254 | ..... | 1.82 | .71 | 3.9 | ..... | 4.9 |
| November | 29.159 | 29.560 | 28.250 | 35.3 | ..... | 48.1 | 31.8 | 40.0 | 70 | 18 | 30 | .... | 82 | .... | .176 | ..... | 2.13 | .51 | 5.9 | ..... | 6.6 |
| December | 29.002 | 29.580 | 28.340 | 26.4 | ..... | 34.5 | 21.9 | 28.2 | 59 | 5 | 22 | .... | 82 | .... | .123 | ..... | 1.70 | .78 | 8.0 | ..... | 7.5 |
| Year | 29.076 | 29.670 | 28.240 | 42.7 | ..... | 56.6 | 38.0 | 47.3 | 99 | −14 | 38 | .... | 85 | .... | .283 | ..... | 35.52 | 1.88 | 6.0 | ..... | 6.4 |

BIRMINGHAM, ALA.

[$\phi$=33° 32′ N.; $\lambda$=86° 50′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.474 | 29.740 | 29.070 | 47.3 | 53.1 | 60.1 | 42.3 | 51.2 | 75 | 15 | 42 | 43 | 81 | 70 | 0.305 | 0.318 | 5.40 | 2.56 | 6.8 | 5.0 | 7.1 |
| February | 29.393 | 29.850 | 28.897 | 38.9 | 47.5 | 56.2 | 35.1 | 45.6 | 72 | 17 | 31 | 32 | 73 | 56 | .186 | .192 | 3.23 | 1.39 | 5.2 | 4.1 | 5.0 |
| March | 29.273 | 29.680 | 28.810 | 45.7 | 57.1 | 64.2 | 41.4 | 52.8 | 82 | 23 | 37 | 37 | 72 | 49 | .246 | .241 | 3.01 | 2.37 | 5.5 | 3.5 | 4.8 |
| April | 29.269 | 29.590 | 28.860 | 54.7 | 64.6 | 71.4 | 51.1 | 61.2 | 86 | 34 | 46 | 44 | 73 | 51 | .318 | .306 | 2.14 | .88 | 4.6 | 3.9 | 4.8 |
| May | 29.231 | 29.440 | 29.040 | 67.5 | 75.3 | 83.6 | 61.8 | 72.7 | 94 | 48 | 59 | 58 | 74 | 58 | .507 | .503 | 5.85 | 3.27 | 3.6 | 2.9 | 3.8 |
| June | 29.208 | 29.430 | 28.850 | 71.2 | 76.9 | 86.4 | 66.1 | 76.2 | 94 | 58 | 64 | 63 | 80 | 64 | .614 | .590 | 2.02 | .73 | 4.9 | 5.8 | 5.8 |
| July | 29.212 | 29.470 | 28.900 | 73.2 | 77.2 | 85.2 | 70.3 | 77.8 | 93 | 67 | 70 | 71 | 91 | 82 | .743 | .759 | 20.12 | 8.84 | 6.2 | 6.9 | 7.5 |
| August | 29.304 | 29.500 | 29.140 | 73.2 | 79.0 | 88.5 | 69.9 | 79.2 | 93 | 57 | 69 | 69 | 88 | 73 | .717 | .718 | 3.51 | 1.27 | 3.8 | 4.9 | 5.3 |
| September | 29.316 | 29.460 | 29.130 | 65.9 | 72.9 | 84.7 | 62.5 | 73.6 | 94 | 44 | 59 | 61 | 79 | 67 | .522 | .552 | 2.63 | .77 | 2.5 | 2.7 | 3.5 |
| October | 29.345 | 29.590 | 28.820 | 56.9 | 65.7 | 77.2 | 54.0 | 65.6 | 89 | 33 | 48 | 50 | 75 | 59 | .372 | .393 | .83 | .76 | 3.1 | 2.2 | 3.2 |
| November | 29.436 | 29.750 | 28.920 | 46.4 | 56.3 | 66.3 | 43.5 | 54.9 | 80 | 22 | 37 | 37 | 71 | 52 | .248 | .257 | 2.61 | 1.07 | 3.0 | 1.7 | 2.6 |
| December | 29.317 | 29.630 | 28.820 | 42.1 | 49.3 | 56.4 | 37.2 | 46.8 | 71 | 21 | 35 | 37 | 75 | 64 | .228 | .248 | 3.70 | 1.70 | 6.3 | 4.9 | 5.7 |
| Year | 29.315 | 29.850 | 28.810 | 56.9 | 64.6 | 73.4 | 52.9 | 63.1 | 94 | 15 | 50 | 50 | 78 | 62 | .417 | .423 | 55.05 | 8.84 | 4.6 | 4.0 | 4.9 |

BISMARCK, N. DAK.

[$\phi$=46° 47′ N.; $\lambda$=100° 38′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.318 | 28.760 | 27.520 | −10.9 | −1.9 | 5.9 | −15.8 | −5.0 | 36 | −45 | −15 | −6 | 81 | 82 | 0.021 | 0.036 | 0.81 | 0.31 | 3.1 | 3.2 | 5.1 |
| February | 28.394 | 28.850 | 27.920 | 6.1 | 14.8 | 21.3 | 2.3 | 11.8 | 50 | −25 | 2 | 10 | 83 | 81 | .060 | .063 | .39 | .14 | 3.7 | 4.7 | 4.1 |
| March | 28.213 | 28.720 | 27.620 | 19.4 | 28.0 | 34.7 | 14.7 | 24.7 | 59 | −23 | 16 | 20 | 87 | 73 | .102 | .118 | 3.27 | 1.80 | 6.1 | 5.9 | 5.2 |
| April | 28.247 | 28.680 | 27.790 | 32.5 | 46.8 | 51.8 | 30.1 | 41.0 | 73 | 16 | 29 | 28 | 87 | 51 | .163 | .160 | .65 | .44 | 5.1 | 4.5 | 4.8 |
| May | 28.083 | 28.510 | 27.490 | 44.5 | 60.6 | 65.2 | 40.5 | 52.8 | 89 | 25 | 36 | 34 | 73 | 41 | .220 | .207 | 1.95 | .72 | 3.8 | 5.5 | 4.9 |
| June | 28.143 | 28.410 | 27.800 | 52.1 | 67.0 | 70.2 | 48.1 | 59.2 | 82 | 38 | 47 | 48 | 83 | 53 | .328 | .345 | 1.50 | .65 | 5.5 | 4.8 | 5.9 |
| July | 28.192 | 28.609 | 27.830 | 66.5 | 82.4 | 86.8 | 63.1 | 75.0 | 96 | 50 | 62 | 65 | 86 | 57 | .557 | .631 | 4.03 | 1.40 | 4.1 | 2.9 | 3.6 |
| August | 28.218 | 28.610 | 27.750 | 57.7 | 75.4 | 80.3 | 54.4 | 67.4 | 97 | 40 | 53 | 53 | 85 | 49 | .409 | .420 | 1.97 | 1.24 | 4.5 | 4.3 | 4.6 |
| September | 28.174 | 28.630 | 27.710 | 46.2 | 62.2 | 70.0 | 43.5 | 56.8 | 93 | 24 | 42 | 43 | 84 | 51 | .276 | .294 | .70 | .18 | 4.2 | 3.1 | 4.1 |
| October | 28.265 | 28.850 | 27.810 | 32.7 | 45.4 | 53.5 | 30.0 | 41.8 | 75 | 13 | 28 | 30 | 84 | 56 | .155 | .166 | .18 | .11 | 5.3 | 4.5 | 5.4 |
| November | 28.265 | 28.880 | 27.410 | 22.4 | 33.7 | 43.1 | 18.2 | 30.6 | 67 | − 5 | 18 | 20 | 82 | 59 | .100 | .111 | .13 | .07 | 4.5 | 3.1 | 5.0 |
| December | 28.155 | 28.680 | 27.630 | −0.8 | 6.4 | 14.8 | −7.7 | 3.6 | 60 | −42 | −3 | 2 | 92 | 85 | .048 | .054 | 1.52 | .63 | 4.5 | 3.2 | 4.7 |
| Year | 28.222 | 28.880 | 27.410 | 30.7 | 43.4 | 49.8 | 26.8 | 38.3 | 97 | −45 | 26 | 29 | 84 | 62 | .203 | .219 | 17.10 | 1.80 | 4.5 | 4.1 | 4.8 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

BENTONVILLE, ARK.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 7.6 | S. | 32 | S. | 0 | 5 | 4 | 2 | 6 | 6 | 3 | 0 | 5 | 0 | 6 | 2 | 23 | 14 | 12 | 4 | 2 | 1 | 0 | 5 | 0 | 21 | 8 | 0 |
| February | 6.2 | NW. | 26 | SW. | 0 | 4 | 3 | 2 | 2 | 7 | 3 | 2 | 6 | 0 | 15 | 2 | 12 | 5 | 5 | 4 | 1 | 1 | 0 | 6 | 0 | 23 | 2 | 0 |
| March | 8.5 | S. | 30 | NW. | 0 | 4 | 0 | 5 | 4 | 8 | 5 | 2 | 3 | 0 | 15 | 7 | 9 | 8 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 10 | 4 | 0 |
| April | 8.0 | S. | 30 | S. | 0 | 7 | 4 | 3 | 1 | 7 | 4 | 1 | 3 | 0 | 8 | 7 | 15 | 14 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 6 | 0 |
| May | 6.5 | S. | 23 | S. | 0 | 2 | 3 | 4 | 4 | 9 | 6 | 0 | 3 | 0 | 10 | 11 | 10 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 3.9 | SW. | 21 | NW. | 0 | 1 | 4 | 2 | 5 | 4 | 9 | 2 | 3 | 0 | 7 | 16 | 7 | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 | 0 |
| July | 2.1 | SE. | 14 | NE. | 0 | 6 | 6 | 5 | 7 | 1 | 2 | 3 | 0 | 1 | 26 | 5 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 11 | 0 |
| August | 1.5 | SW. | 11 | W. | 0 | 3 | 3 | 2 | 8 | 6 | 5 | 1 | 2 | 1 | 18 | 12 | 1 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 9 | 0 |
| September | 3.3 | S. | 23 | S. | 0 | 5 | 3 | 0 | 5 | 10 | 2 | 0 | 4 | 1 | 19 | 9 | 2 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 |
| October | 2.8 | S. | 17 | S. | 0 | 2 | 5 | 3 | 5 | 7 | 4 | 2 | 3 | 0 | 20 | 4 | 7 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 |
| November | 5.0 | S. | 22 | S. | 0 | 0 | 1 | 0 | 1 | 11 | 5 | 3 | 6 | 3 | 22 | 2 | 6 | 6 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 8 | 3 | 0 |
| December | 7.6 | S. | 26 | S. | 0 | 3 | 2 | 3 | 5 | 8 | 4 | 2 | 4 | 0 | 16 | 3 | 12 | 8 | 7 | 7 | 5 | 0 | 0 | 3 | 0 | 21 | 2 | 0 |
| Year | 5.2 | S. | 32 | S. | 0 | 42 | 38 | 31 | 53 | 84 | 52 | 18 | 42 | 6 | 182 | 80 | 104 | 113 | 1 | 20 | 11 | 2 | 0 | 17 | 53 | 88 | 77 | 0 |

BINGHAMTON, N. Y.

[$H_b$=871 ft.; $h_1$=10 ft.; $h_r$=3 ft.; $h_a$=69 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4.5 | NW. | 25 | NW. | 0 | 1 | 2 | 7 | 2 | 4 | 4 | 4 | 5 | 2 | 4 | 12 | 15 | 15 | 10 | 7 | 5 | 0 | 0 | 9 | 0 | 23 | 0 | 0 |
| February | 4.4 | NW. | 27 | W. | 0 | 0 | 5 | 2 | 1 | 2 | 3 | 7 | 8 | 1 | 5 | 6 | 18 | 16 | 13 | 21 | 14 | 0 | 0 | 19 | 0 | 29 | 0 | 0 |
| March | 4.4 | NW. | 22 | W. | 0 | 2 | 5 | 5 | 2 | 1 | 3 | 3 | 10 | 0 | 6 | 12 | 13 | 15 | 13 | 16 | 13 | 0 | 1 | 18 | 0 | 27 | 0 | 0 |
| April | 3.7 | NW. | 26 | NW. | 0 | 4 | 7 | 6 | 1 | 0 | 1 | 2 | 9 | 0 | 3 | 11 | 16 | 18 | 14 | 4 | 3 | 0 | 1 | 0 | 0 | 9 | 0 | 1 |
| May | 3.0 | NW. | 16 | NW. | 0 | 2 | 6 | 6 | 0 | 1 | 5 | 2 | 9 | 0 | 5 | 15 | 11 | 16 | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| June | 4.4 | E. | 27 | NW. | 0 | 3 | 0 | 10 | 3 | 2 | 2 | 4 | 6 | 0 | 3 | 16 | 11 | 17 | 13 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 0 |
| July | 2.5 | E. | 18 | NW. | 0 | 4 | 5 | 6 | 0 | 11 | 2 | 1 | 2 | 0 | 6 | 8 | 17 | 11 | 10 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 7 | 0 |
| August | 3.4 | NW. | 21 | NW. | 0 | 2 | 6 | 8 | 0 | 4 | 4 | 2 | 5 | 0 | 12 | 15 | 4 | 7 | 7 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 5 | 0 |
| September | 4.5 | S. | 20 | N. | 0 | 1 | 8 | 6 | 2 | 4 | 1 | 3 | 5 | 0 | 9 | 11 | 10 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 |
| October | 4.4 | E. | 26 | W. | 0 | 1 | 5 | 8 | 3 | 2 | 4 | 2 | 5 | 1 | 11 | 11 | 9 | 6 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 5 | 1 | 0 |
| November | 5.5 | NW. | 26 | SW. | 0 | 3 | 3 | 8 | 0 | 2 | 4 | 5 | 5 | 0 | 7 | 7 | 16 | 14 | 11 | 6 | 5 | 0 | 0 | 3 | 0 | 15 | 1 | 0 |
| December | 6.2 | NW. | 32 | NW. | 0 | 0 | 0 | 6 | 0 | 5 | 7 | 9 | 4 | 0 | 2 | 9 | 20 | 14 | 9 | 19 | 9 | 0 | 0 | 14 | 0 | 26 | 0 | 0 |
| Year | 4.2 | NW. | 32 | NW. | 0 | 23 | 52 | 78 | 14 | 38 | 40 | 44 | 73 | 4 | 73 | 133 | 160 | 161 | 127 | 73 | 49 | 3 | 11 | 63 | 10 | 134 | 33 | 2 |

BIRMINGHAM, ALA.

[$H_b$=700 ft.; $h_1$=11 ft.; $h_r$=3 ft.; $h_a$=48 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.7 | S. | 36 | S. | 0 | 16 | 5 | 5 | 17 | 15 | 2 | 0 | 2 | 0 | 6 | 7 | 18 | 11 | 8 | 1 | 1 | 0 | 0 | 2 | 0 | 7 | 3 | 0 |
| February | 7.6 | N. | 30 | NW. | 0 | 13 | 5 | 2 | 4 | 9 | 11 | 2 | 12 | 0 | 13 | 6 | 10 | 9 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 11 | 4 | 0 |
| March | 9.1 | S. | 29 | SE. | 0 | 12 | 2 | 2 | 5 | 17 | 6 | 4 | 13 | 1 | 12 | 11 | 8 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 3 | 0 |
| April | 7.0 | S. | 33 | SE. | 0 | 12 | 2 | 2 | 6 | 14 | 6 | 5 | 13 | 0 | 13 | 8 | 9 | 7 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 5.9 | S. | 44 | SE. | 1 | 11 | 4 | 4 | 7 | 15 | 9 | 3 | 9 | 0 | 18 | 8 | 5 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 6 | 0 |
| June | 5.6 | S. | 37 | S. | 0 | 9 | 1 | 4 | 5 | 11 | 14 | 3 | 12 | 1 | 4 | 17 | 9 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 14 | 0 |
| July | 5.6 | S. | 36 | SE. | 0 | 4 | 7 | 6 | 11 | 19 | 5 | 4 | 5 | 1 | 2 | 14 | 15 | 21 | 20 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 17 | 0 |
| August | 4.2 | SW. | 21 | S. | 0 | 9 | 8 | 4 | 9 | 9 | 13 | 7 | 3 | 0 | 8 | 15 | 8 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 9 | 0 |
| September | 5.9 | N. | 25 | S. | 0 | 11 | 15 | 10 | 13 | 3 | 4 | 2 | 2 | 0 | 16 | 10 | 4 | 9 | 8 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 7 | 0 |
| October | 6.4 | E. | 30 | SE. | 0 | 10 | 17 | 16 | 6 | 4 | 3 | 2 | 4 | 0 | 19 | 8 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 6.9 | SE. | 34 | SE. | 0 | 9 | 5 | 11 | 13 | 8 | 4 | 2 | 8 | 0 | 22 | 4 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 |
| December | 8.3 | S. | 29 | SE. | 0 | 7 | 7 | 7 | 12 | 11 | 6 | 5 | 6 | 1 | 11 | 5 | 15 | 8 | 8 | 3 | 0 | 0 | 1 | 0 | 0 | 13 | 5 | 0 |
| Year | 6.8 | S. | 44 | SE. | 1 | 123 | 78 | 73 | 108 | 135 | 83 | 39 | 89 | 4 | 144 | 113 | 109 | 111 | 94 | 9 | 1 | 1 | 3 | 3 | 31 | 45 | 72 | 0 |

BISMARCK, N. DAK.

[$H_b$=1,674 ft.; $h_1$=8 ft.; $h_r$=3 ft.; $h_a$=57 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.4 | NW. | 44 | NW. | 2 | 8 | 5 | 12 | 3 | 2 | 1 | 7 | 22 | 2 | 9 | 13 | 9 | 8 | 6 | 15 | 8 | 0 | 1 | 30 | 0 | 31 | 0 | 0 |
| February | 9.9 | NW. | 44 | NW. | 1 | 11 | 3 | 11 | 2 | 3 | 3 | 2 | 22 | 1 | 13 | 9 | 7 | 7 | 3 | 15 | 7 | 0 | 0 | 18 | 0 | 29 | 0 | 0 |
| March | 11.7 | NW. | 36 | NE. | 0 | 10 | 9 | 13 | 7 | 3 | 1 | 2 | 17 | 0 | 13 | 7 | 11 | 8 | 8 | 10 | 7 | 0 | 0 | 13 | 0 | 30 | 0 | 0 |
| April | 11.6 | NW. | 40 | N. | 1 | 17 | 5 | 6 | 5 | 9 | 2 | 0 | 16 | 0 | 10 | 10 | 10 | 8 | 3 | 8 | 2 | 0 | 1 | 2 | 0 | 18 | 0 | 2 |
| May | 12.9 | NW. | 54 | NW. | 4 | 9 | 7 | 12 | 6 | 2 | 2 | 9 | 14 | 1 | 12 | 10 | 9 | 13 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 1 |
| June | 10.4 | NW. | 40 | E. | 1 | 4 | 7 | 9 | 10 | 2 | 2 | 5 | 20 | 1 | 8 | 12 | 10 | 11 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 |
| July | 9.1 | E. | 48 | SW. | 1 | 7 | 4 | 19 | 13 | 5 | 1 | 2 | 10 | 1 | 16 | 12 | 3 | 13 | 10 | 0 | 0 | 1 | 1 | 0 | 7 | 0 | 11 | 0 |
| August | 7.6 | NW. | 36 | S. | 0 | 11 | 7 | 13 | 5 | 7 | 1 | 3 | 14 | 1 | 15 | 7 | 9 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 8 | 3 |
| September | 9.7 | NW. | 40 | NW. | 1 | 3 | 1 | 12 | 7 | 6 | 4 | 9 | 16 | 2 | 15 | 9 | 6 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 6 | 1 |
| October | 9.8 | NW. | 42 | NW. | 1 | 11 | 5 | 8 | 5 | 5 | 6 | 3 | 15 | 4 | 12 | 7 | 12 | 5 | 1 | 3 | 2 | 0 | 0 | 1 | 0 | 20 | 1 | 1 |
| November | 9.6 | NW. | 40 | W. | 1 | 11 | 2 | 5 | 7 | 4 | 4 | 4 | 22 | 1 | 12 | 7 | 11 | 3 | 1 | 4 | 1 | 0 | 0 | 7 | 0 | 28 | 0 | 0 |
| December | 9.4 | NW. | 40 | NW. | 1 | 4 | 6 | 14 | 1 | 0 | 1 | 6 | 28 | 2 | 12 | 11 | 8 | 11 | 8 | 15 | 11 | 0 | 0 | 24 | 0 | 31 | 0 | 0 |
| Year | 10.2 | NW. | 54 | NW. | 14 | 106 | 61 | 134 | 71 | 48 | 28 | 52 | 216 | 16 | 147 | 114 | 105 | 106 | 68 | 72 | 38 | 2 | 3 | 95 | 16 | 196 | 35 | 8 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

### BLOCK ISLAND, R. I.

[$\phi$=41° 10′ N.; $\lambda$=71° 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 | 30.173 | 30.660 | 29.530 | 32.8 | 34.1 | 40.9 | 28.4 | 34.6 | 55 | 9 | 28 | 29 | 80 | 79 | 0.167 | 0.173 | 1.69 | 0.75 | 6.1 | 4.6 | 6.6 |
| February | 29.941 | 30.492 | 28.860 | 26.4 | 28.9 | 34.0 | 22.2 | 28.1 | 49 | 5 | 23 | 24 | 84 | 83 | .132 | .138 | 3.59 | 1.54 | 6.2 | 6.1 | 7.1 |
| March | 29.846 | 30.257 | 28.940 | 29.3 | 31.0 | 35.2 | 25.7 | 30.4 | 52 | 10 | 24 | 27 | 81 | 84 | .137 | .150 | 1.73 | .45 | 5.4 | 4.6 | 5.5 |
| April | 29.869 | 30.240 | 29.230 | 40.7 | 41.7 | 47.4 | 37.3 | 42.4 | 56 | 32 | 37 | 38 | 86 | 86 | .219 | .227 | 3.96 | 1.05 | 7.1 | 4.9 | 6.4 |
| May | 29.874 | 30.280 | 29.210 | 51.3 | 51.3 | 58.9 | 46.9 | 52.9 | 71 | 41 | 47 | 47 | 87 | 87 | .327 | .331 | 3.20 | 1.84 | 4.7 | 4.9 | 6.2 |
| June | 29.913 | 30.080 | 29.570 | 58.6 | 58.5 | 65.2 | 53.8 | 59.5 | 75 | 48 | 55 | 56 | 89 | 92 | .442 | .447 | 3.36 | 1.10 | 4.7 | 5.5 | 5.8 |
| July | 29.970 | 30.340 | 29.340 | 66.6 | 66.2 | 71.5 | 62.7 | 67.1 | 81 | 57 | 64 | 64 | 91 | 93 | .593 | .601 | 7.37 | 3.45 | 5.9 | 7.3 | 6.9 |
| August | 29.958 | 30.260 | 29.560 | 68.0 | 67.2 | 74.5 | 63.1 | 68.8 | 81 | 55 | 64 | 64 | 88 | 91 | .604 | .604 | .57 | .30 | 4.5 | 4.0 | 4.9 |
| September | 30.030 | 30.470 | 29.670 | 62.7 | 62.9 | 69.2 | 57.4 | 63.3 | 81 | 44 | 57 | 57 | 82 | 83 | .478 | .482 | .82 | .43 | 3.3 | 1.9 | 4.2 |
| October | 30.107 | 30.512 | 29.600 | 53.9 | 55.1 | 60.8 | 49.4 | 55.1 | 72 | 39 | 48 | 50 | 81 | 82 | .351 | .369 | 2.48 | 1.40 | 4.8 | 3.3 | 5.2 |
| November | 30.081 | 30.520 | 29.230 | 44.4 | 45.7 | 50.4 | 39.5 | 45.0 | 60 | 25 | 36 | 38 | 74 | 74 | .228 | .239 | 2.39 | 1.02 | 4.7 | 3.1 | 4.9 |
| December | 29.887 | 30.440 | 28.930 | 32.9 | 34.9 | 39.7 | 29.9 | 34.8 | 56 | 16 | 25 | 27 | 73 | 73 | .143 | .157 | 2.84 | .87 | 4.7 | 4.2 | 5.6 |
| Year | 29.971 | 30.660 | 28.860 | 47.3 | 48.1 | 54.0 | 43.0 | 48.5 | 81 | 5 | 42 | 43 | 83 | 84 | .318 | .326 | 34.00 | 3.45 | 5.2 | 4.5 | 5.8 |

### BOISE, IDAHO.

[$\phi$=43° 37′ N.; $\lambda$=116° 13′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.035 | 27.630 | 26.360 | 26.0 | 28.8 | 34.1 | 20.6 | 27.4 | 51 | 4 | 18 | 21 | 74 | 71 | 0.104 | 0.113 | 1.93 | 0.49 | 8.1 | 7.9 | 9.0 |
| February | 27.285 | 27.720 | 26.730 | 33.5 | 43.4 | 46.1 | 31.1 | 38.6 | 54 | 21 | 28 | 32 | 82 | 64 | .155 | .179 | 3.21 | 1.32 | 6.8 | 5.2 | 6.2 |
| March | 27.187 | 27.600 | 26.570 | 39.1 | 53.6 | 56.4 | 35.6 | 46.0 | 72 | 25 | 29 | 26 | 67 | 37 | .158 | .144 | .71 | .25 | 6.1 | 7.2 | 7.4 |
| April | 27.185 | 27.520 | 26.820 | 41.8 | 61.4 | 63.9 | 38.9 | 51.4 | 83 | 29 | 30 | 27 | 64 | 29 | .169 | .145 | .80 | .38 | 5.5 | 4.7 | 5.6 |
| May | 27.097 | 27.440 | 26.580 | 42.3 | 61.7 | 64.8 | 40.2 | 52.5 | 81 | 25 | 33 | 28 | 70 | 31 | .191 | .160 | 1.80 | .94 | 5.2 | 5.9 | 5.7 |
| June | 27.124 | 27.360 | 26.730 | 50.6 | 72.6 | 75.7 | 48.0 | 61.8 | 98 | 36 | 39 | 35 | 67 | 29 | .244 | .214 | 1.68 | 1.15 | 3.4 | 3.8 | 4.1 |
| July | 27.109 | 27.380 | 26.840 | 57.7 | 84.3 | 86.2 | 55.4 | 70.8 | 100 | 44 | 44 | 39 | 64 | 23 | .298 | .245 | .81 | .68 | 2.3 | 1.8 | 2.0 |
| August | 27.114 | 27.390 | 26.820 | 58.2 | 84.2 | 85.5 | 55.2 | 70.4 | 96 | 39 | 41 | 38 | 55 | 21 | .258 | .235 | .45 | .45 | 2.4 | 1.9 | 2.4 |
| September | 27.157 | 27.470 | 26.800 | 51.6 | 74.6 | 76.7 | 48.3 | 62.5 | 95 | 37 | 35 | 35 | 55 | 25 | .202 | .208 | .05 | .05 | 1.9 | 2.8 | 2.5 |
| October | 27.219 | 27.590 | 26.740 | 39.7 | 57.3 | 60.4 | 37.0 | 48.7 | 75 | 26 | 32 | 33 | 75 | 42 | .187 | .192 | .84 | .43 | 2.8 | 3.9 | 4.0 |
| November | 27.359 | 27.830 | 26.800 | 30.8 | 41.0 | 46.2 | 26.8 | 36.5 | 70 | 7 | 21 | 20 | 67 | 44 | .115 | .113 | 1.07 | .69 | 4.6 | 4.8 | 4.9 |
| December | 27.164 | 27.640 | 26.340 | 25.8 | 31.5 | 35.2 | 21.6 | 28.4 | 53 | 3 | 19 | 21 | 75 | 65 | .104 | .117 | 1.29 | .27 | 7.0 | 6.5 | 7.2 |
| Year | 27.170 | 27.830 | 26.340 | 41.4 | 57.9 | 60.9 | 38.2 | 49.6 | 100 | 3 | 31 | 30 | 68 | 40 | .182 | .172 | 14.64 | 1.32 | 4.7 | 4.7 | 5.1 |

### BOSTON, MASS.

[$\phi$=42° 21′ N.; $\lambda$=71° 04′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.038 | 30.500 | 29.360 | 31.0 | 33.1 | 41.7 | 24.4 | 33.0 | 66 | 4 | 23 | 24 | 71 | 69 | 0.147 | 0.154 | 1.23 | 0.73 | 5.8 | 5.6 | 6.0 |
| February | 29.827 | 30.420 | 28.720 | 23.6 | 26.7 | 33.0 | 18.0 | 25.5 | 57 | 0 | 16 | 16 | 73 | 65 | .109 | .103 | 5.18 | 2.02 | 6.5 | 6.0 | 5.9 |
| March | 29.740 | 30.101 | 28.860 | 28.2 | 31.1 | 37.6 | 23.7 | 30.6 | 55 | 7 | 20 | 21 | 71 | 67 | .116 | .121 | 3.20 | .68 | 5.4 | 3.6 | 4.6 |
| April | 29.771 | 30.120 | 29.070 | 44.0 | 45.2 | 52.3 | 38.9 | 45.6 | 68 | 32 | 35 | 38 | 72 | 78 | .203 | .230 | 4.51 | 1.30 | 6.3 | 5.7 | 6.1 |
| May | 29.757 | 30.183 | 29.060 | 56.3 | 59.0 | 66.8 | 50.5 | 58.6 | 85 | 44 | 46 | 48 | 71 | 70 | .324 | .349 | 2.83 | 2.03 | 6.0 | 5.3 | 5.4 |
| June | 29.821 | 30.052 | 29.480 | 62.0 | 62.5 | 69.9 | 55.4 | 62.6 | 84 | 49 | 54 | 55 | 77 | 79 | .421 | .438 | 5.04 | 1.51 | 5.4 | 6.9 | 5.3 |
| July | 29.861 | 30.239 | 29.380 | 70.9 | 72.4 | 80.3 | 65.0 | 72.6 | 93 | 56 | 64 | 66 | 81 | 82 | .619 | .656 | 5.67 | 2.03 | 7.1 | 7.5 | 6.7 |
| August | 29.847 | 30.116 | 29.450 | 69.5 | 71.1 | 79.8 | 63.7 | 71.8 | 95 | 54 | 61 | 64 | 76 | 78 | .552 | .596 | 2.19 | 1.10 | 3.9 | 3.4 | 3.9 |
| September | 29.913 | 30.400 | 29.550 | 62.0 | 64.7 | 74.0 | 55.9 | 65.0 | 90 | 44 | 54 | 56 | 75 | 73 | .428 | .459 | 1.90 | .62 | 4.0 | 2.1 | 3.9 |
| October | 29.993 | 30.460 | 29.390 | 52.4 | 55.7 | 64.3 | 46.7 | 55.5 | 84 | 36 | 45 | 47 | 76 | 74 | .316 | .336 | .94 | .61 | 4.3 | 2.8 | 4.4 |
| November | 29.961 | 30.418 | 29.030 | 39.8 | 43.3 | 50.3 | 34.9 | 42.6 | 68 | 22 | 32 | 36 | 74 | 74 | .192 | .220 | 1.67 | .94 | 5.2 | 3.4 | 5.2 |
| December | 29.752 | 30.320 | 28.710 | 29.7 | 32.8 | 38.3 | 26.9 | 32.6 | 59 | 10 | 22 | 24 | 72 | 70 | .130 | .144 | 3.00 | .83 | 4.4 | 3.7 | 4.8 |
| Year | 29.857 | 30.500 | 28.710 | 47.4 | 49.8 | 57.4 | 42.0 | 49.7 | 95 | 0 | 39 | 41 | 74 | 73 | .296 | .317 | 37.36 | 2.03 | 5.4 | 4.7 | 5.2 |

### BUFFALO, N. Y.

[$\phi$=42° 53′ N.; $\lambda$=78° 53′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.269 | 29.770 | 28.550 | 29.9 | 32.3 | 40.0 | 23.9 | 32.0 | 66 | 2 | 25 | 25 | 82 | 75 | 0.153 | 0.150 | 2.96 | 0.63 | 8.0 | 7.1 | 7.8 |
| February | 29.192 | 29.820 | 28.410 | 17.8 | 20.3 | 25.4 | 12.4 | 18.9 | 41 | −1 | 13 | 17 | 81 | 84 | .081 | .094 | 3.64 | .55 | 7.6 | 6.2 | 7.8 |
| March | 29.094 | 29.490 | 28.380 | 23.4 | 28.3 | 35.1 | 19.1 | 27.1 | 67 | −1 | 18 | 22 | 80 | 76 | .111 | .122 | 3.52 | .64 | 7.7 | 6.4 | 6.7 |
| April | 29.099 | 29.380 | 28.598 | 40.6 | 42.2 | 50.1 | 35.5 | 42.8 | 74 | 26 | 35 | 36 | 80 | 80 | .205 | .218 | 2.98 | .65 | 6.2 | 7.0 | 6.6 |
| May | 29.081 | 29.530 | 28.570 | 51.1 | 53.8 | 60.7 | 44.8 | 52.8 | 78 | 36 | 45 | 46 | 82 | 78 | .314 | .325 | 4.13 | .98 | 7.5 | 6.6 | 6.0 |
| June | 29.092 | 29.393 | 28.773 | 59.3 | 61.8 | 67.9 | 55.0 | 61.4 | 81 | 46 | 52 | 54 | 78 | 78 | .391 | .428 | 4.04 | 1.68 | 5.9 | 7.3 | 6.9 |
| July | 29.181 | 29.450 | 28.770 | 71.5 | 76.1 | 81.9 | 67.5 | 74.7 | 92 | 57 | 63 | 64 | 75 | 67 | .586 | .603 | 2.04 | .81 | 4.2 | 5.6 | 4.5 |
| August | 29.176 | 29.430 | 28.860 | 68.0 | 73.9 | 78.5 | 64.6 | 71.6 | 91 | 54 | 58 | 59 | 72 | 61 | .503 | .519 | 1.46 | .48 | 4.0 | 4.1 | 4.0 |
| September | 29.199 | 29.520 | 28.870 | 59.7 | 63.3 | 68.5 | 55.6 | 62.0 | 80 | 38 | 50 | 51 | 72 | 66 | .335 | .400 | 1.38 | .65 | 5.5 | 4.9 | 5.5 |
| October | 29.257 | 29.624 | 28.560 | 48.4 | 52.7 | 60.6 | 44.5 | 52.6 | 77 | 34 | 39 | 42 | 72 | 68 | .252 | .272 | 2.32 | 1.14 | 4.9 | 4.3 | 5.5 |
| November | 29.219 | 29.650 | 28.319 | 37.4 | 40.1 | 45.2 | 33.2 | 39.2 | 68 | 18 | 32 | 33 | 81 | 76 | .186 | .191 | 1.53 | .40 | 6.2 | 4.8 | 6.7 |
| December | 29.103 | 29.670 | 28.550 | 26.7 | 28.5 | 34.7 | 22.1 | 28.4 | 66 | 6 | 23 | 23 | 85 | 80 | .131 | .131 | 3.37 | 1.13 | 8.2 | 8.2 | 8.0 |
| Year | 29.164 | 29.820 | 28.319 | 44.5 | 47.8 | 54.0 | 39.8 | 47.0 | 92 | −1 | 38 | 39 | 78 | 74 | .275 | .288 | 33.38 | 1.68 | 6.3 | 6.0 | 6.3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

BLOCK ISLAND, R. I.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 21.8 | SW. | 66 | NW. | 13 | 9 | 1 | 2 | 2 | 4 | 18 | 10 | 16 | 0 | 8 | 7 | 16 | 13 | 9 | 5 | 1 | 0 | 3 | 5 | 0 | 19 | 0 | 0 |
| February | 22.3 | W. | 72 | NW. | 11 | 8 | 8 | 1 | 2 | 2 | 9 | 15 | 13 | 0 | 9 | 2 | 18 | 15 | 11 | 10 | 8 | 0 | 5 | 12 | 0 | 26 | 0 | 0 |
| March | 22.5 | NW. | 56 | NW. | 16 | 5 | 14 | 4 | 2 | 2 | 4 | 11 | 20 | 0 | 14 | 5 | 12 | 12 | 11 | 9 | 8 | 0 | 0 | 14 | 0 | 23 | 1 | 0 |
| April | 17.7 | W. | 48 | NW. | 7 | 8 | 10 | 5 | 4 | 2 | 9 | 10 | 11 | 1 | 10 | 5 | 15 | 16 | 13 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | 15.2 | SW. | 48 | W. | 3 | 3 | 2 | 6 | 4 | 11 | 16 | 12 | 8 | 0 | 8 | 9 | 14 | 14 | 8 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 2 | 0 |
| June | 14.6 | W | 36 | E. | 0 | 2 | 6 | 7 | 2 | 12 | 9 | 15 | 7 | 0 | 10 | 8 | 12 | 12 | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 2 | 0 |
| July | 15.2 | SW. | 46 | E. | 1 | 5 | 6 | 4 | 0 | 14 | 21 | 10 | 2 | 0 | 8 | 4 | 19 | 16 | 14 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 4 | 0 |
| August | 12.9 | SW. | 36 | NE. | 0 | 6 | 12 | 4 | 1 | 8 | 20 | 9 | 2 | 0 | 12 | 9 | 10 | 7 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 1 |
| September | 14.7 | SW. | 48 | NW. | 2 | 4 | 9 | 3 | 6 | 6 | 17 | 5 | 10 | 0 | 18 | 4 | 8 | 8 | 5 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 3 |
| October | 16.9 | NE. | 57 | NW. | 7 | 4 | 18 | 1 | 7 | 3 | 17 | 1 | 11 | 0 | 15 | 4 | 12 | 8 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 20.1 | SW. | 54 | W. | 9 | 5 | 11 | 1 | 2 | 2 | 17 | 9 | 13 | 0 | 14 | 6 | 10 | 8 | 6 | 3 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 1 |
| December | 25.4 | NW. | 72 | W. | 19 | 5 | 4 | 0 | 3 | 3 | 3 | 17 | 27 | 0 | 14 | 4 | 13 | 9 | 9 | 2 | 1 | 0 | 3 | 8 | 0 | 18 | 1 | 0 |
| Year | 18.3 | SW. | 72 | NW. | 88 | 64 | 101 | 38 | 35 | 69 | 160 | 124 | 140 | 1 | 140 | 67 | 159 | 138 | 105 | 31 | 20 | 1 | 51 | 39 | 0 | 94 | 16 | 5 |

BOISE, IDAHO.

[$H_b$=2,739 ft.; $h_t$=78 ft.; $H_r$=72 ft.; $H_a$=86 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.1 | SE. | 32 | SE. | 0 | 4 | 3 | 6 | 21 | 11 | 3 | 1 | 13 | 0 | 1 | 3 | 27 | 20 | 12 | 22 | 15 | 0 | 0 | 15 | 0 | 26 | 0 | 0 |
| February | 4.5 | SE. | 20 | SE. | 0 | 3 | 3 | 7 | 23 | 5 | 3 | 2 | 12 | 0 | 10 | 4 | 15 | 12 | 8 | 8 | 6 | 0 | 0 | 1 | 0 | 21 | 0 | 0 |
| March | 7.2 | SE. | 33 | NW. | 0 | 4 | 4 | 3 | 22 | 7 | 2 | 6 | 14 | 0 | 6 | 4 | 21 | 8 | 4 | 3 | 3 | 1 | 0 | 0 | 0 | 11 | 2 | 0 |
| April | 6.4 | NW. | 30 | NW. | 0 | 6 | 4 | 2 | 13 | 4 | 0 | 8 | 23 | 0 | 11 | 6 | 13 | 5 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 3 | 0 |
| May | 5.9 | NW. | 34 | NW. | 0 | 9 | 2 | 2 | 13 | 4 | 1 | 8 | 23 | 0 | 9 | 9 | 13 | 5 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 5 | 2 | 0 |
| June | 5.3 | NW. | 26 | W. | 0 | 9 | 6 | 0 | 11 | 6 | 0 | 12 | 16 | 0 | 15 | 8 | 7 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 0 |
| July | 5.4 | NW. | 34 | W. | 0 | 10 | 0 | 5 | 16 | 3 | 1 | 10 | 17 | 0 | 24 | 5 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 4 | 0 |
| August | 4.6 | NW. | 31 | W. | 0 | 6 | 3 | 3 | 15 | 2 | 2 | 12 | 18 | 1 | 21 | 7 | 3 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 3 | 1 |
| September | 4.7 | NW. | 22 | W. | 0 | 5 | 1 | 3 | 15 | 3 | 1 | 11 | 20 | 1 | 21 | 5 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| October | 4.4 | NW. | 25 | NW. | 0 | 7 | 2 | 4 | 7 | 6 | 3 | 11 | 22 | 0 | 15 | 7 | 9 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| November | 5.1 | SE. | 24 | SE. | 0 | 7 | 2 | 5 | 19 | 3 | 1 | 5 | 18 | 0 | 13 | 5 | 12 | 7 | 4 | 6 | 1 | 0 | 0 | 2 | 0 | 21 | 0 | 0 |
| December | 4.9 | NW. | 26 | SE. | 0 | 6 | 0 | 5 | 11 | 7 | 3 | 5 | 25 | 0 | 6 | 8 | 17 | 14 | 10 | 17 | 11 | 1 | 1 | 13 | 0 | 27 | 1 | 0 |
| Year | 5.5 | NW. | 34 | NW. | 0 | 76 | 30 | 45 | 186 | 61 | 20 | 91 | 221 | 2 | 152 | 71 | 143 | 87 | 58 | 61 | 37 | 3 | 1 | 31 | 28 | 120 | 22 | 1 |

BOSTON, MASS.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.8 | SW. | 43 | W. | 2 | 6 | 1 | 1 | 4 | 3 | 25 | 11 | 11 | 0 | 9 | 7 | 15 | 9 | 5 | 6 | 5 | 0 | 3 | 8 | 0 | 22 | 0 | 0 |
| February | 12.3 | W. | 36 | W. | 0 | 12 | 2 | 4 | 1 | 3 | 7 | 22 | 7 | 0 | 9 | 8 | 12 | 13 | 11 | 14 | 8 | 0 | 4 | 13 | 0 | 25 | 0 | 0 |
| March | 11.9 | W. | 36 | NE. | 0 | 11 | 9 | 2 | 2 | 3 | 5 | 15 | 15 | 0 | 16 | 4 | 11 | 15 | 12 | 17 | 14 | 0 | 1 | 12 | 0 | 24 | 2 | 1 |
| April | 11.4 | NW. | 32 | NW. | 0 | 5 | 10 | 6 | 5 | 1 | 9 | 12 | 12 | 0 | 9 | 7 | 14 | 14 | 13 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 10.4 | SW. | 38 | W. | 0 | 0 | 0 | 9 | 5 | 5 | 17 | 15 | 11 | 0 | 8 | 13 | 10 | 11 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| June | 9.5 | E. | 28 | E. | 0 | 6 | 6 | 13 | 2 | 4 | 7 | 11 | 11 | 0 | 8 | 11 | 11 | 12 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| July | 8.8 | SW. | 26 | NE. | 0 | 3 | 4 | 6 | 3 | 4 | 29 | 8 | 5 | 0 | 7 | 7 | 17 | 16 | 15 | 0 | 0 | 1 | 3 | 0 | 5 | 0 | 9 | 0 |
| August | 8.4 | SW. | 26 | W. | 0 | 4 | 6 | 4 | 3 | 5 | 20 | 10 | 10 | 0 | 18 | 7 | 6 | 9 | 7 | 0 | 0 | 1 | 2 | 0 | 4 | 0 | 3 | 1 |
| September | 9.6 | SW. | 31 | S. | 0 | 4 | 3 | 3 | 3 | 7 | 21 | 9 | 10 | 0 | 14 | 12 | 4 | 8 | 6 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 2 |
| October | 10.1 | SW. | 42 | NW. | 1 | 8 | 3 | 2 | 7 | 5 | 17 | 11 | 9 | 0 | 14 | 9 | 8 | 7 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 10.7 | W. | 35 | W. | 0 | 2 | 2 | 1 | 4 | 4 | 16 | 20 | 11 | 0 | 11 | 8 | 11 | 8 | 5 | 5 | 2 | 0 | 0 | 1 | 0 | 11 | 0 | 0 |
| December | 12.7 | W. | 47 | W. | 2 | 4 | 1 | 1 | 2 | 4 | 6 | 31 | 13 | 0 | 14 | 7 | 10 | 12 | 10 | 6 | 5 | 0 | 1 | 9 | 0 | 21 | 0 | 0 |
| Year | 10.6 | SW. | 47 | W. | 5 | 65 | 47 | 52 | 41 | 48 | 179 | 175 | 125 | 0 | 137 | 100 | 129 | 134 | 109 | 53 | 38 | 2 | 27 | 43 | 9 | 103 | 17 | 4 |

BUFFALO, N. Y.

[$H_b$=767 ft.; $h_t$=247 ft.; $h_r$=238 ft.; $h_a$=280 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 25.4 | SW. | 76 | W. | 19 | 1 | 2 | 6 | 2 | 12 | 15 | 17 | 7 | 0 | 3 | 9 | 19 | 20 | 14 | 13 | 9 | 0 | 7 | 10 | 0 | 22 | 0 | 0 |
| February | 19.7 | W. | 70 | W. | 11 | 4 | 8 | 7 | 3 | 1 | 8 | 18 | 9 | 0 | 3 | 6 | 20 | 20 | 16 | 25 | 20 | 0 | 2 | 23 | 0 | 29 | 0 | 0 |
| March | 17.2 | W. | 80 | W. | 7 | 3 | 8 | 9 | 7 | 5 | 7 | 15 | 8 | 0 | 4 | 11 | 16 | 17 | 13 | 19 | 15 | 0 | 3 | 16 | 0 | 24 | 1 | 0 |
| April | 15.3 | W. | 56 | W. | 9 | 3 | 3 | 9 | 5 | 8 | 9 | 18 | 5 | 0 | 7 | 9 | 14 | 18 | 12 | 4 | 3 | 0 | 4 | 0 | 0 | 7 | 4 | 0 |
| May | 17.5 | SW. | 72 | SW. | 8 | 1 | 7 | 4 | 4 | 5 | 16 | 18 | 7 | 0 | 5 | 15 | 11 | 17 | 15 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 4 | 0 |
| June | 12.7 | SW. | 58 | SW. | 5 | 2 | 3 | 7 | 5 | 9 | 18 | 13 | 3 | 0 | 4 | 10 | 16 | 16 | 15 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 | 0 |
| July | 12.2 | SW. | 42 | NW. | 2 | 3 | 4 | 13 | 0 | 10 | 24 | 5 | 3 | 0 | 14 | 10 | 7 | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 5 | 0 |
| August | 12.6 | SW. | 40 | W. | 1 | 3 | 2 | 7 | 1 | 13 | 18 | 11 | 7 | 0 | 16 | 9 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| September | 17.0 | SW. | 50 | SW. | 8 | 4 | 0 | 5 | 2 | 17 | 12 | 11 | 9 | 0 | 11 | 6 | 13 | 11 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 |
| October | 18.2 | SW. | 70 | W. | 11 | 4 | 2 | 7 | 5 | 15 | 12 | 12 | 4 | 1 | 12 | 6 | 13 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 21.8 | W. | 72 | W. | 13 | 1 | 4 | 8 | 4 | 10 | 9 | 21 | 3 | 0 | 7 | 7 | 16 | 14 | 9 | 9 | 6 | 0 | 0 | 6 | 0 | 14 | 1 | 0 |
| December | 20.2 | W. | 74 | SW. | 14 | 3 | 3 | 4 | 4 | 13 | 4 | 24 | 7 | 0 | 1 | 9 | 21 | 18 | 13 | 17 | 13 | 0 | 1 | 14 | 0 | 26 | 1 | 0 |
| Year | 17.5 | W. | 80 | W. | 108 | 32 | 46 | 86 | 42 | 118 | 152 | 183 | 72 | 1 | 87 | 107 | 172 | 172 | 128 | 87 | 66 | 2 | 28 | 69 | 5 | 122 | 34 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

BURLINGTON, VT.

[$\phi$=44° 29′ N.; $\lambda$=73° 12′ 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 | 29.684 | 30.306 | 28.880 | 20.6 | ..... | 33.2 | 13.3 | 23.2 | 56 | −9 | 15 | .... | 77 | .... | 0.104 | ..... | 0.87 | 0.47 | 6.8 | ..... | 7.4 |
| February | 29.545 | 30.240 | 28.520 | 12.2 | ..... | 22.0 | 7.2 | 14.6 | 47 | −15 | 6 | .... | 76 | .... | .068 | ..... | 2.32 | .84 | 7.7 | ..... | 6.9 |
| March | 29.474 | 29.830 | 28.760 | 16.6 | ..... | 29.7 | 11.7 | 20.7 | 57 | −5 | 11 | .... | 76 | .... | .079 | ..... | 1.31 | .74 | 4.8 | ..... | 5.2 |
| April | 29.477 | 29.830 | 29.030 | 40.8 | ..... | 51.2 | 34.9 | 43.0 | 67 | 25 | 33 | .... | 74 | .... | .188 | ..... | 1.85 | .50 | 7.1 | ..... | 7.1 |
| May | 29.445 | 29.916 | 28.920 | 52.9 | ..... | 62.9 | 44.9 | 53.9 | 80 | 30 | 43 | .... | 70 | .... | .287 | ..... | 4.69 | 1.63 | 6.3 | ..... | 6.9 |
| June | 29.503 | 29.731 | 29.190 | 59.8 | ..... | 69.0 | 52.9 | 61.0 | 79 | 40 | 52 | .... | 77 | .... | .392 | ..... | 4.32 | .96 | 6.8 | ..... | 6.9 |
| July | 29.552 | 29.862 | 29.130 | 69.3 | ..... | 80.3 | 62.4 | 71.4 | 91 | 53 | 62 | .... | 79 | .... | .573 | ..... | 1.67 | .59 | 6.1 | ..... | 5.5 |
| August | 29.535 | 29.810 | 29.200 | 65.9 | ..... | 79.6 | 58.6 | 69.1 | 94 | 47 | 58 | .... | 76 | .... | .491 | ..... | 1.06 | .47 | 4.9 | ..... | 4.5 |
| September | 29.576 | 30.035 | 29.270 | 57.9 | ..... | 69.0 | 51.4 | 60.2 | 84 | 37 | 50 | .... | 74 | .... | .376 | ..... | 4.06 | 1.33 | 5.9 | ..... | 5.9 |
| October | 29.674 | 30.110 | 28.930 | 45.6 | ..... | 58.2 | 38.3 | 48.2 | 76 | 27 | 38 | .... | 74 | .... | .235 | ..... | 1.43 | .38 | 5.1 | ..... | 5.2 |
| November | 29.625 | 30.120 | 28.610 | 32.5 | ..... | 41.1 | 27.5 | 34.3 | 63 | 6 | 27 | .... | 79 | .... | .153 | ..... | 2.08 | .60 | 8.0 | ..... | 6.6 |
| December | 29.485 | 30.130 | 28.710 | 19.5 | ..... | 28.3 | 14.9 | 21.6 | 50 | −10 | 14 | .... | 78 | .... | .094 | ..... | 2.79 | 1.43 | 7.4 | ..... | 7.2 |
| Year | 29.548 | 30.306 | 28.520 | 41.1 | ..... | 52.0 | 34.8 | 43.4 | 94 | −15 | 34 | .... | 76 | .... | .253 | ..... | 28.45 | 1.63 | 6.4 | ..... | 6.3 |

CAIRO, ILL.

[$\phi$=37° 0′ N.; $\lambda$=89° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.800 | 30.280 | 29.180 | 37.5 | 41.1 | 48.5 | 31.4 | 40.0 | 67 | 6 | 32 | 35 | 82 | 78 | 0.216 | 0.229 | 8.11 | 2.78 | 7.3 | 6.4 | 7.1 |
| February | 29.787 | 30.270 | 29.400 | 32.7 | 39.4 | 44.6 | 29.9 | 37.2 | 67 | 16 | 26 | 30 | 76 | 69 | .149 | .176 | .83 | .38 | 6.4 | 4.0 | 5.6 |
| March | 29.585 | 30.080 | 28.880 | 41.7 | 49.9 | 56.1 | 36.9 | 46.5 | 78 | 22 | 34 | 37 | 75 | 62 | .248 | .239 | 1.65 | .73 | 6.1 | 5.2 | 5.9 |
| April | 29.602 | 29.890 | 29.220 | 51.6 | 59.6 | 64.2 | 48.8 | 56.5 | 78 | 34 | 43 | 46 | 73 | 62 | .289 | .320 | 1.66 | 1.05 | 6.0 | 5.9 | 6.1 |
| May | 29.536 | 29.829 | 29.280 | 64.2 | 73.1 | 79.3 | 61.3 | 70.3 | 90 | 49 | 56 | 57 | 75 | 61 | .461 | .490 | 3.06 | .95 | 5.0 | 5.3 | 5.4 |
| June | 29.503 | 29.770 | 28.920 | 68.3 | 76.1 | 81.3 | 64.9 | 73.1 | 93 | 57 | 62 | 65 | 82 | 70 | .569 | .620 | 8.00 | 1.72 | 5.8 | 5.6 | 5.9 |
| July | 29.567 | 29.800 | 29.350 | 76.3 | 83.9 | 90.7 | 73.8 | 82.2 | 96 | 68 | 71 | 74 | 84 | 74 | .763 | .850 | .21 | .13 | 2.1 | 5.0 | 3.8 |
| August | 29.628 | 29.840 | 29.400 | 73.1 | 81.7 | 87.4 | 71.3 | 79.4 | 96 | 59 | 69 | 71 | 88 | 71 | .728 | .770 | 2.28 | .83 | 4.8 | 4.8 | 5.2 |
| September | 29.668 | 29.922 | 29.330 | 62.8 | 72.4 | 78.8 | 60.4 | 69.6 | 92 | 43 | 58 | 59 | 84 | 64 | .507 | .539 | 2.07 | .74 | 4.1 | 2.6 | 3.6 |
| October | 29.702 | 30.050 | 29.180 | 52.5 | 63.6 | 71.6 | 49.6 | 60.6 | 89 | 34 | 46 | 49 | 78 | 60 | .323 | .367 | 1.29 | .88 | 4.1 | 2.5 | 3.4 |
| November | 29.762 | 30.140 | 29.120 | 42.5 | 53.6 | 60.4 | 41.0 | 50.7 | 80 | 19 | 36 | 37 | 77 | 55 | .224 | .233 | 1.70 | .91 | 3.0 | 2.0 | 3.2 |
| December | 29.652 | 30.120 | 29.205 | 33.3 | 39.8 | 46.2 | 29.2 | 37.7 | 74 | 3 | 28 | 30 | 80 | 67 | .177 | .180 | 4.46 | 2.03 | 4.7 | 4.8 | 4.8 |
| Year | 29.649 | 30.280 | 28.880 | 53.0 | 61.2 | 67.4 | 49.9 | 58.6 | 96 | 3 | 47 | 49 | 80 | 66 | .385 | .418 | 35.32 | 2.78 | 5.0 | 4.5 | 5.0 |

CANTON, N. Y.

[$\phi$=44° 36′ N.; $\lambda$=75° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.615 | 30.276 | 28.750 | 21.9 | ..... | 35.5 | 14.4 | 25.0 | 58 | −8 | 18 | .... | 85 | .... | 0.117 | ..... | 2.52 | 0.59 | 6.8 | ..... | 7.4 |
| February | 29.521 | 30.240 | 28.580 | 9.5 | ..... | 20.2 | 3.1 | 11.6 | 40 | −32 | 6 | .... | 84 | .... | .068 | ..... | 4.12 | 2.15 | 7.1 | ..... | 5.5 |
| March | 29.449 | 29.819 | 28.824 | 15.0 | ..... | 27.8 | 10.3 | 19.0 | 53 | −11 | 11 | .... | 82 | .... | .079 | ..... | 1.60 | .43 | 4.9 | ..... | 3.9 |
| April | 29.434 | 29.798 | 28.880 | 41.3 | ..... | 51.9 | 35.8 | 43.8 | 72 | 24 | 35 | .... | 80 | .... | .210 | ..... | 1.83 | .51 | 6.3 | ..... | 6.1 |
| May | 29.399 | 29.876 | 28.790 | 52.3 | ..... | 63.0 | 44.8 | 53.9 | 77 | 34 | 45 | .... | 77 | .... | .308 | ..... | 4.59 | 1.83 | 5.6 | ..... | 5.4 |
| June | 29.438 | 29.714 | 29.090 | 60.6 | ..... | 70.0 | 52.5 | 61.2 | 83 | 40 | 53 | .... | 77 | .... | .410 | ..... | 2.84 | .63 | 5.9 | ..... | 6.2 |
| July | 29.502 | 29.829 | 29.030 | 71.4 | ..... | 82.7 | 62.3 | 72.5 | 95 | 48 | 62 | .... | 73 | .... | .578 | ..... | 1.01 | .42 | 3.4 | ..... | 3.2 |
| August | 29.484 | 29.780 | 29.160 | 66.7 | ..... | 81.2 | 57.3 | 69.2 | 96 | 46 | 59 | .... | 77 | .... | .512 | ..... | 1.84 | .70 | 2.7 | ..... | 3.3 |
| September | 29.512 | 29.947 | 29.120 | 57.6 | ..... | 70.0 | 50.2 | 60.1 | 86 | 31 | 51 | .... | 79 | .... | .386 | ..... | 3.42 | 1.06 | 4.2 | ..... | 5.6 |
| October | 29.621 | 30.060 | 28.770 | 44.3 | ..... | 59.4 | 36.9 | 48.2 | 79 | 24 | 38 | .... | 78 | .... | .232 | ..... | 2.22 | .59 | 5.5 | ..... | 5.7 |
| November | 29.576 | 30.090 | 28.490 | 31.3 | ..... | 41.6 | 26.0 | 33.8 | 68 | 1 | 26 | .... | 82 | .... | .149 | ..... | 1.63 | .51 | 6.9 | ..... | 6.4 |
| December | 29.436 | 30.150 | 28.800 | 16.1 | ..... | 26.9 | 10.3 | 18.6 | 54 | −21 | 13 | .... | 88 | .... | .097 | ..... | 2.53 | .88 | 7.2 | ..... | 7.5 |
| Year | 29.499 | 30.276 | 28.490 | 40.7 | ..... | 52.5 | 33.7 | 43.1 | 96 | −32 | 35 | .... | 80 | .... | .262 | ..... | 30.15 | 2.15 | 5.5 | ..... | 5.5 |

CAPE HENRY, VA.

[$\phi$=36° 56′ N.; $\lambda$=76° 0′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.253 | 30.660 | 29.750 | 42.8 | 46.4 | 54.3 | 38.1 | 46.2 | 73 | 18 | .... | 42 | .... | 84 | ..... | 0.287 | 1.92 | 0.65 | ..... | 4.9 | 5.6 |
| February | 30.009 | 30.610 | 29.230 | 37.0 | 40.7 | 48.7 | 32.4 | 40.6 | 78 | 18 | .... | 34 | .... | 79 | ..... | .213 | 2.54 | .76 | ..... | 4.4 | 5.1 |
| March | 29.915 | 30.380 | 29.000 | 40.1 | 42.3 | 50.4 | 34.6 | 42.5 | 75 | 22 | .... | 36 | .... | 78 | ..... | .218 | 1.54 | .44 | ..... | 3.5 | 4.2 |
| April | 29.938 | 30.300 | 29.400 | 52.8 | 52.6 | 62.5 | 46.3 | 54.4 | 87 | 36 | .... | 45 | .... | 77 | ..... | .308 | 1.29 | .69 | ..... | 4.3 | 4.2 |
| May | 29.923 | 30.240 | 29.510 | 66.3 | 67.0 | 75.9 | 59.3 | 67.6 | 93 | 50 | .... | 59 | .... | 76 | ..... | .511 | 4.17 | 2.04 | ..... | 4.4 | 3.7 |
| June | 29.921 | 30.170 | 29.610 | 70.5 | 71.1 | 79.2 | 64.0 | 71.6 | 92 | 53 | .... | 65 | .... | 81 | ..... | .622 | 3.03 | .92 | ..... | 5.9 | 4.9 |
| July | 30.002 | 30.230 | 29.630 | 76.1 | 75.9 | 83.6 | 70.4 | 77.0 | 90 | 64 | .... | 70 | .... | 82 | ..... | .730 | 4.31 | 1.56 | ..... | 5.8 | 4.7 |
| August | 29.987 | 30.190 | 29.700 | 75.3 | 77.5 | 85.5 | 70.7 | 78.1 | 97 | 62 | .... | 69 | .... | 74 | ..... | .703 | 3.08 | 1.01 | ..... | 3.1 | 4.6 |
| September | 30.055 | 30.330 | 29.810 | 69.6 | 69.6 | 77.6 | 64.8 | 71.2 | 92 | 52 | .... | 61 | .... | 76 | ..... | .569 | 1.50 | .91 | ..... | 3.9 | 4.3 |
| October | 30.109 | 30.350 | 29.690 | 61.4 | 62.8 | 70.5 | 56.5 | 63.5 | 89 | 43 | .... | 56 | .... | 80 | ..... | .466 | 2.20 | 2.08 | ..... | 2.8 | 5.1 |
| November | 30.146 | 30.570 | 29.510 | 50.5 | 52.3 | 59.9 | 44.4 | 52.2 | 78 | 30 | .... | 42 | .... | 69 | ..... | .288 | .79 | .39 | ..... | 2.9 | 3.7 |
| December | 30.041 | 30.480 | 29.400 | 41.2 | 41.7 | 51.0 | 35.1 | 43.0 | 71 | 23 | .... | 32 | .... | 71 | ..... | .194 | 2.60 | 1.10 | ..... | 3.1 | 4.5 |
| Year | 30.025 | 30.660 | 29.000 | 57.0 | 58.3 | 66.6 | 51.4 | 59.0 | 97 | 18 | .... | 51 | .... | 77 | ..... | .426 | 28.97 | 2.08 | ..... | 4.0 | 4.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

BURLINGTON, VT.

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

| Month. | Wind. | | | | | | | | | | | | | | Number of days. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | By self-register. | | | | | Number of winds, 8 a. m. and 8 p. m. | | | | | | | | | | | | Precipitation. | | Snow. | | | | | Maximum temp. | | | Electricity. | |
| | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 17.8 | S. | 48 | S. | 11 | 3 | 3 | 0 | 3 | 13 | 1 | 3 | 5 | 0 | 4 | 8 | 19 | 13 | 6 | 11 | 7 | 0 | 1 | 13 | 0 | 27 | 0 | 1 |
| February | 11.8 | S. | 42 | NW. | 2 | 7 | 1 | 2 | 1 | 7 | 2 | 2 | 7 | 0 | 4 | 12 | 13 | 18 | 11 | 19 | 17 | 0 | 2 | 22 | 0 | 29 | 0 | 0 |
| March | 9.9 | N. | 39 | S. | 0 | 6 | 2 | 3 | 3 | 8 | 1 | 1 | 7 | 0 | 12 | 9 | 10 | 11 | 8 | 14 | 11 | 0 | 0 | 19 | 0 | 29 | 0 | 1 |
| April | 9.7 | NW. | 39 | S. | 0 | 5 | 0 | 0 | 5 | 9 | 4 | 1 | 6 | 0 | 4 | 9 | 17 | 12 | 10 | 7 | 6 | 0 | 0 | 0 | 0 | 13 | 0 | 2 |
| May | 11.1 | S. | 43 | S. | 2 | 2 | 1 | 1 | 5 | 7 | 5 | 3 | 6 | 1 | 1 | 15 | 15 | 14 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 |
| June | 8.9 | S. | 33 | S. | 0 | 5 | 1 | 1 | 7 | 8 | 2 | 1 | 4 | 1 | 4 | 10 | 16 | 18 | 13 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 0 |
| July | 9.9 | S. | 32 | S. | 0 | 7 | 0 | 0 | 2 | 12 | 9 | 0 | 1 | 0 | 11 | 8 | 12 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 0 |
| August | 9.7 | S. | 32 | NW. | 0 | 5 | 1 | 0 | 1 | 12 | 9 | 2 | 1 | 0 | 14 | 10 | 7 | 8 | 7 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 4 | 1 |
| September | 11.8 | S. | 36 | S. | 0 | 3 | 0 | 1 | 1 | 13 | 2 | 4 | 6 | 0 | 7 | 11 | 12 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 |
| October | 12.1 | S. | 48 | S. | 4 | 3 | 3 | 2 | 1 | 7 | 7 | 2 | 6 | 0 | 10 | 11 | 10 | 10 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 1 |
| November | 12.9 | S. | 46 | W. | 3 | 4 | 2 | 1 | 0 | 8 | 3 | 5 | 7 | 0 | 8 | 7 | 15 | 14 | 8 | 9 | 5 | 0 | 0 | 9 | 0 | 19 | 0 | 0 |
| December | 12.1 | NW. | 52 | S. | 3 | 7 | 4 | 4 | 1 | 8 | 1 | 1 | 5 | 0 | 5 | 10 | 16 | 14 | 10 | 18 | 11 | 0 | 0 | 17 | 0 | 28 | 0 | 0 |
| Year | 11.5 | S. | 52 | S. | 25 | 57 | 18 | 15 | 30 | 112 | 46 | 25 | 61 | 2 | 84 | 120 | 162 | 157 | 113 | 79 | 57 | 0 | 6 | 80 | 7 | 150 | 25 | 10 |

CAIRO, ILL.

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.0 | S. | 44 | SW. | 1 | 14 | 8 | 4 | 4 | 20 | 3 | 3 | 6 | 0 | 7 | 6 | 18 | 16 | 12 | 6 | 1 | 0 | 1 | 5 | 0 | 14 | 3 | 0 |
| February | 10.6 | NW. | 39 | NW. | 0 | 14 | 3 | 3 | 7 | 6 | 9 | 1 | 15 | 0 | 10 | 7 | 12 | 7 | 6 | 6 | 1 | 0 | 0 | 7 | 0 | 16 | 1 | 0 |
| March | 12.0 | S. | 41 | N. | 1 | 11 | 4 | 6 | 9 | 18 | 5 | 3 | 6 | 0 | 8 | 12 | 11 | 11 | 7 | 6 | 4 | 2 | 0 | 1 | 0 | 12 | 4 | 0 |
| April | 11.5 | S. | 34 | S. | 0 | 11 | 9 | 2 | 5 | 12 | 5 | 4 | 12 | 0 | 9 | 8 | 13 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | 8.5 | S. | 34 | N. | 0 | 8 | 10 | 1 | 8 | 25 | 3 | 1 | 6 | 0 | 11 | 11 | 9 | 9 | 7 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 7 | 0 |
| June | 7.4 | N. | 50 | SW. | 1 | 13 | 4 | 3 | 9 | 4 | 10 | 10 | 6 | 1 | 7 | 14 | 9 | 13 | 12 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 13 | 0 |
| July | 6.2 | N. | 28 | N. | 0 | 15 | 13 | 3 | 7 | 14 | 3 | 2 | 4 | 1 | 16 | 13 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 9 | 0 |
| August | 5.9 | S. | 30 | SW. | 0 | 10 | 11 | 1 | 4 | 17 | 15 | 3 | 0 | 1 | 10 | 15 | 6 | 6 | 6 | 0 | 0 | 1 | 0 | 0 | 12 | 0 | 9 | 0 |
| September | 7.6 | S. | 36 | W. | 0 | 14 | 10 | 2 | 7 | 16 | 2 | 0 | 9 | 0 | 16 | 10 | 4 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 0 |
| October | 7.4 | N. | 36 | SW. | 0 | 15 | 7 | 4 | 9 | 13 | 7 | 2 | 3 | 2 | 17 | 9 | 5 | 4 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| November | 7.9 | S. | 31 | SW. | 0 | 6 | 1 | 3 | 3 | 25 | 9 | 5 | 8 | 0 | 18 | 6 | 6 | 6 | 4 | 2 | 2 | 0 | 2 | 1 | 0 | 6 | 0 | 0 |
| December | 10.1 | N. | 34 | SE. | 0 | 12 | 5 | 2 | 11 | 10 | 7 | 8 | 7 | 0 | 13 | 9 | 9 | 9 | 8 | 5 | 3 | 1 | 0 | 5 | 0 | 21 | 3 | 0 |
| Year | 8.9 | S. | 50 | SW. | 3 | 143 | 85 | 34 | 83 | 180 | 78 | 42 | 82 | 5 | 142 | 120 | 104 | 100 | 80 | 26 | 11 | 5 | 5 | 19 | 37 | 89 | 60 | 0 |

CANTON, N. Y.

[$H_b$=448 ft.; $h_t$=10 ft.; $h_r$=4 ft.; $h_a$=61 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.3 | SW. | 46 | SW. | 7 | 3 | 4 | 4 | 0 | 3 | 11 | 5 | 1 | 0 | 5 | 6 | 20 | 19 | 13 | 18 | 11 | 0 | 0 | 12 | 0 | 26 | 0 | 1 |
| February | 12.0 | W. | 44 | W. | 2 | 1 | 2 | 4 | 1 | 0 | 5 | 11 | 5 | 0 | 9 | 11 | 9 | 19 | 11 | 25 | 17 | 0 | 0 | 24 | 0 | 29 | 0 | 1 |
| March | 10.0 | W. | 42 | SW. | 2 | 3 | 4 | 5 | 1 | 2 | 5 | 5 | 6 | 0 | 17 | 7 | 7 | 12 | 8 | 17 | 12 | 0 | 0 | 22 | 0 | 30 | 0 | 7 |
| April | 10.7 | SW. | 43 | NE. | 1 | 0 | 5 | 5 | 1 | 4 | 8 | 2 | 5 | 0 | 8 | 9 | 13 | 15 | 9 | 7 | 6 | 0 | 1 | 0 | 0 | 12 | 0 | 3 |
| May | 11.6 | W. | 56 | W. | 2 | 1 | 1 | 4 | 0 | 2 | 10 | 9 | 4 | 0 | 11 | 10 | 10 | 15 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 |
| June | 8.9 | W. | 58 | SW. | 2 | 2 | 1 | 3 | 2 | 4 | 11 | 6 | 1 | 0 | 4 | 15 | 11 | 15 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 2 |
| July | 9.3 | SW. | 30 | NE. | 0 | 1 | 3 | 4 | 1 | 4 | 16 | 2 | 0 | 0 | 21 | 5 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 8 | 2 |
| August | 8.3 | SW. | 31 | N. | 0 | 3 | 0 | 1 | 1 | 5 | 13 | 7 | 1 | 0 | 18 | 7 | 6 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 3 | 3 |
| September | 10.1 | SW. | 32 | SW. | 0 | 0 | 1 | 2 | 1 | 2 | 18 | 1 | 5 | 0 | 9 | 10 | 11 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 |
| October | 11.4 | SW. | 54 | W. | 6 | 3 | 0 | 3 | 2 | 5 | 10 | 6 | 2 | 0 | 9 | 9 | 13 | 10 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 8 | 1 | 2 |
| November | 13.2 | SW. | 56 | W. | 5 | 3 | 1 | 6 | 1 | 1 | 7 | 10 | 1 | 0 | 7 | 10 | 13 | 11 | 8 | 9 | 5 | 0 | 0 | 8 | 0 | 21 | 0 | 1 |
| December | 10.8 | W. | 43 | W. | 2 | 2 | 2 | 5 | 2 | 4 | 6 | 7 | 3 | 0 | 6 | 4 | 21 | 13 | 13 | 19 | 10 | 0 | 0 | 20 | 0 | 30 | 0 | 1 |
| Year | 11.0 | SW. | 58 | SW. | 29 | 22 | 24 | 46 | 13 | 36 | 120 | 71 | 34 | 0 | 124 | 103 | 139 | 156 | 113 | 96 | 61 | 0 | 3 | 86 | 14 | 157 | 22 | 32 |

CAPE HENRY, VA.

[$H_b$=18 ft.; $h_t$=9 ft.; $h_r$=43 ft.; $h_a$=58 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.1 | SW. | 42 | NE. | 3 | 2 | 4 | 4 | 1 | 9 | 5 | 5 | 1 | 0 | 9 | 12 | 10 | 12 | 8 | 2 | 1 | 0 | 2 | 0 | 0 | 9 | 1 | 0 |
| February | 17.0 | SW. | 52 | N. | 6 | 2 | 6 | 1 | 0 | 8 | 6 | 2 | 4 | 0 | 13 | 8 | 8 | 10 | 8 | 7 | 3 | 0 | 4 | 2 | 0 | 13 | 2 | 0 |
| March | 16.5 | N. | 54 | NW. | 8 | 7 | 5 | 2 | 5 | 6 | 5 | 1 | 0 | 0 | 16 | 8 | 7 | 8 | 7 | 3 | 2 | 0 | 4 | 0 | 0 | 13 | 1 | 0 |
| April | 14.4 | S. | 52 | N. | 4 | 6 | 1 | 3 | 2 | 9 | 5 | 1 | 3 | 0 | 13 | 12 | 5 | 8 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| May | 11.7 | SW. | 44 | N. | 2 | 2 | 2 | 0 | 1 | 13 | 12 | 1 | 0 | 0 | 19 | 6 | 6 | 13 | 11 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 8 | 0 |
| June | 10.3 | SE. | 47 | NW. | 1 | 2 | 0 | 1 | 9 | 9 | 6 | 0 | 0 | 3 | 12 | 10 | 8 | 13 | 12 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 12 | 0 |
| July | 11.8 | SW. | 44 | N. | 1 | 1 | 2 | 4 | 2 | 13 | 6 | 2 | 0 | 1 | 14 | 8 | 9 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| August | 11.7 | SW. | 56 | NE. | 1 | 1 | 5 | 6 | 0 | 7 | 10 | 1 | 0 | 1 | 13 | 9 | 9 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 7 | 0 |
| September | 14.5 | SW. | 46 | N. | 4 | 1 | 5 | 8 | 1 | 8 | 5 | 1 | 1 | 0 | 12 | 12 | 6 | 5 | 4 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 4 | 0 |
| October | 17.0 | NE. | 50 | E. | 4 | 0 | 15 | 5 | 1 | 2 | 7 | 0 | 0 | 1 | 14 | 5 | 12 | 5 | 4 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 0 |
| November | 14.1 | NE. | 48 | NE. | 5 | 2 | 9 | 2 | 1 | 4 | 10 | 2 | 0 | 0 | 18 | 3 | 9 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| December | 14.8 | SW. | 49 | N. | 10 | 1 | 5 | 2 | 1 | 4 | 11 | 3 | 4 | 0 | 16 | 5 | 10 | 10 | 9 | 2 | 2 | 0 | 2 | 1 | 0 | 13 | 1 | 0 |
| Year | 14.1 | S. | 56 | NE. | 49 | 27 | 59 | 38 | 24 | 92 | 88 | 19 | 13 | 6 | 169 | 98 | 99 | 106 | 85 | 14 | 8 | 1 | 27 | 3 | 17 | 51 | 44 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

CAPE MAY, N. J.

[$\phi$=38° 56′ N.; $\lambda$=74° 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 | 30.265 | 30.641 | 29.738 | 34.7 | 37.5 | 43.9 | 30.9 | 37.4 | 65 | 12 | ... | ... | ... | ... | ... | ... | 1.62 | 0.37 | 5.7 | 4.8 | 6.5 |
| February | 30.040 | 30.627 | 29.183 | 30.2 | 33.4 | 39.1 | 26.5 | 32.8 | 53 | 5 | ... | ... | ... | ... | ... | ... | 3.95 | 1.01 | 5.9 | 5.3 | 6.4 |
| March | 29.938 | 30.382 | 29.251 | 32.6 | 35.2 | 41.3 | 29.3 | 35.3 | 55 | 13 | ... | ... | ... | ... | ... | ... | 4.79 | 1.98 | 5.7 | 4.7 | 5.8 |
| April | 29.948 | 30.321 | 29.559 | 47.2 | 47.8 | 56.1 | 42.7 | 49.4 | 67 | 36 | ... | ... | ... | ... | ... | ... | 1.84 | .44 | 5.5 | 5.6 | 5.5 |
| May | 29.948 | 30.337 | 29.562 | 60.3 | 59.4 | 68.2 | 53.5 | 60.8 | 82 | 47 | ... | ... | ... | ... | ... | ... | 4.02 | 1.14 | 5.6 | 4.6 | 4.9 |
| June | 29.952 | 30.186 | 29.692 | 65.0 | 64.0 | 71.2 | 59.4 | 65.3 | 81 | 50 | ... | ... | ... | ... | ... | ... | 3.11 | 1.52 | 4.9 | 4.9 | 5.2 |
| July | 30.023 | 30.301 | 29.648 | 72.5 | 71.6 | 80.1 | 67.7 | 73.9 | 88 | 59 | ... | ... | ... | ... | ... | ... | 3.55 | .95 | 4.4 | 5.0 | 5.9 |
| August | 30.008 | 30.215 | 29.728 | 72.5 | 72.9 | 81.5 | 66.3 | 73.9 | 95 | 56 | ... | ... | ... | ... | ... | ... | 1.03 | .53 | 3.9 | 2.4 | 3.7 |
| September | 30.088 | 30.431 | 29.844 | 65.6 | 66.4 | 73.6 | 59.4 | 66.5 | 90 | 44 | ... | ... | ... | ... | ... | ... | 5.29 | 1.72 | 3.3 | 2.4 | 3.7 |
| October | 30.159 | 30.450 | 29.698 | 54.9 | 58.0 | 65.2 | 49.8 | 57.5 | 82 | 39 | ... | ... | ... | ... | ... | ... | .90 | .64 | 3.7 | 3.4 | 4.3 |
| November | 30.168 | 30.561 | 29.439 | 46.0 | 47.9 | 54.6 | 41.1 | 47.8 | 68 | 29 | ... | ... | ... | ... | ... | ... | 1.92 | .50 | 3.4 | 3.4 | 3.9 |
| December | 30.031 | 30.496 | 29.317 | 35.0 | 37.1 | 42.3 | 30.8 | 36.6 | 61 | 16 | ... | ... | ... | ... | ... | ... | 4.16 | 1.20 | 4.9 | 3.1 | 4.9 |
| Year | 30.047 | 30.641 | 29.183 | 51.4 | 52.6 | 59.8 | 46.4 | 53.1 | 95 | 5 | ... | ... | ... | ... | ... | ... | 36.18 | 1.98 | 4.7 | 4.1 | 5.1 |

CHARLES CITY, IOWA.

[$\phi$=43° 04′ N.; $\lambda$=92° 38′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.005 | 29.530 | 28.300 | 12.5 | 16.0 | 25.0 | 5.0 | 15.0 | 46 | −26 | 10 | 13 | 90 | 86 | 0.084 | 0.093 | 2.63 | 0.82 | 6.0 | 4.8 | 6.2 |
| February | 29.081 | 29.620 | 28.710 | 10.1 | 17.2 | 23.1 | 6.6 | 14.8 | 45 | −20 | 8 | 14 | 90 | 85 | .071 | .089 | .50 | .33 | 6.2 | 5.0 | 5.8 |
| March | 28.894 | 29.370 | 28.130 | 24.7 | 33.5 | 40.7 | 21.3 | 31.0 | 63 | 0 | 22 | 26 | 89 | 73 | .129 | .149 | 1.49 | .93 | 6.3 | 6.0 | 6.4 |
| April | 28.888 | 29.290 | 28.314 | 39.2 | 48.0 | 53.9 | 35.4 | 44.6 | 81 | 15 | 34 | 37 | 82 | 68 | .203 | .234 | 3.69 | .99 | 6.3 | 6.5 | 6.5 |
| May | 28.773 | 29.200 | 28.290 | 52.0 | 63.2 | 68.8 | 47.0 | 57.9 | 85 | 30 | 46 | 49 | 79 | 61 | .323 | .365 | 3.97 | 2.07 | 5.9 | 5.1 | 5.4 |
| June | 28.803 | 29.100 | 28.369 | 58.3 | 68.0 | 72.7 | 52.5 | 62.6 | 92 | 44 | 54 | 56 | 84 | 66 | .414 | .455 | 4.65 | 2.68 | 5.1 | 5.4 | 5.1 |
| July | 28.942 | 29.160 | 28.751 | 71.6 | 84.3 | 90.3 | 66.5 | 78.4 | 99 | 57 | 65 | 68 | 80 | 60 | .621 | .701 | 1.51 | .66 | 4.5 | 3.3 | 3.7 |
| August | 28.933 | 29.240 | 28.650 | 64.5 | 77.1 | 84.3 | 59.4 | 71.8 | 97 | 43 | 60 | 62 | 84 | 60 | .527 | .570 | 1.01 | .61 | 3.7 | 2.8 | 4.0 |
| September | 28.912 | 29.250 | 28.410 | 51.7 | 62.1 | 70.7 | 48.3 | 59.5 | 90 | 29 | 49 | 53 | 90 | 72 | .371 | .427 | 6.19 | 1.66 | 5.8 | 4.3 | 5.5 |
| October | 28.954 | 29.470 | 28.540 | 39.7 | 49.7 | 58.5 | 37.0 | 47.8 | 86 | 18 | 36 | 40 | 86 | 70 | .214 | .256 | 2.08 | .81 | 4.3 | 4.5 | 5.4 |
| November | 28.971 | 29.400 | 28.430 | 28.6 | 34.1 | 42.2 | 24.2 | 33.2 | 73 | −3 | 25 | 28 | 86 | 79 | .141 | .162 | 1.41 | .82 | 5.1 | 3.8 | 5.9 |
| December | 28.876 | 29.479 | 28.370 | 9.7 | 16.6 | 24.6 | 4.5 | 14.6 | 54 | −21 | 7 | 12 | 86 | 82 | .072 | .082 | 1.11 | .55 | 4.1 | 4.2 | 5.1 |
| Year | 28.919 | 29.620 | 28.130 | 38.6 | 47.5 | 54.6 | 34.0 | 44.3 | 99 | −26 | 35 | 38 | 86 | 72 | .264 | .299 | 30.24 | 2.68 | 5.3 | 4.6 | 5.4 |

CHARLESTON, S. C.

[$\phi$=32° 47′ N.; $\lambda$=79° 56′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.229 | 30.540 | 29.780 | 51.1 | 55.5 | 64.0 | 47.8 | 55.9 | 77 | 28 | 47 | 50 | 86 | 82 | 0.348 | 0.379 | 1.34 | 0.63 | 4.5 | 4.5 | 5.2 |
| February | 30.037 | 30.540 | 29.430 | 46.8 | 52.4 | 60.9 | 43.1 | 52.0 | 76 | 22 | 39 | 42 | 75 | 70 | .269 | .297 | 1.47 | .94 | 3.4 | 3.1 | 2.8 |
| March | 29.956 | 30.250 | 29.390 | 50.4 | 55.1 | 65.0 | 45.4 | 55.2 | 78 | 29 | 41 | 43 | 71 | 65 | .285 | .300 | 1.96 | 1.12 | 2.3 | 3.4 | 2.7 |
| April | 29.952 | 30.350 | 29.640 | 60.8 | 64.1 | 72.5 | 55.5 | 64.0 | 89 | 38 | 49 | 52 | 67 | 66 | .362 | .398 | 2.35 | 2.05 | 3.3 | 3.4 | 3.0 |
| May | 29.924 | 30.210 | 29.590 | 73.0 | 73.4 | 81.5 | 67.3 | 74.4 | 90 | 56 | 62 | 64 | 70 | 74 | .576 | .608 | 1.22 | .59 | 3.9 | 3.4 | 3.5 |
| June | 29.905 | 30.110 | 29.660 | 77.2 | 77.4 | 84.5 | 71.5 | 78.0 | 92 | 67 | 68 | 69 | 75 | 77 | .697 | .723 | 9.75 | 3.97 | 6.0 | 7.6 | 5.9 |
| July | 29.954 | 30.141 | 28.973 | 78.2 | 79.5 | 84.3 | 73.9 | 79.1 | 93 | 68 | 72 | 72 | 82 | 80 | .786 | .798 | 11.61 | 4.19 | 7.1 | 6.8 | 6.8 |
| August | 29.982 | 30.180 | 29.740 | 79.4 | 80.4 | 88.2 | 75.5 | 81.8 | 97 | 71 | 72 | 73 | 79 | 78 | .801 | .816 | 3.10 | 1.20 | 3.8 | 4.0 | 4.1 |
| September | 29.994 | 30.180 | 29.770 | 71.8 | 75.1 | 82.0 | 68.2 | 75.1 | 89 | 54 | 66 | 66 | 81 | 75 | .642 | .661 | 2.76 | 1.45 | 2.6 | 3.2 | 3.0 |
| October | 30.011 | 30.200 | 29.700 | 63.8 | 67.5 | 74.0 | 60.8 | 67.4 | 84 | 48 | 58 | 61 | 83 | 81 | .517 | .559 | 4.37 | 2.29 | 5.2 | 3.9 | 4.5 |
| November | 30.121 | 30.520 | 29.650 | 54.5 | 59.0 | 67.0 | 51.4 | 59.2 | 79 | 32 | 48 | 51 | 79 | 77 | .367 | .408 | 1.11 | .52 | 2.7 | 2.4 | 3.3 |
| December | 30.041 | 30.380 | 29.450 | 49.4 | 52.3 | 61.1 | 44.8 | 53.0 | 73 | 30 | 43 | 44 | 80 | 76 | .308 | .312 | 1.47 | .64 | 3.9 | 3.8 | 4.5 |
| Year | 30.009 | 30.540 | 28.973 | 63.0 | 66.0 | 73.8 | 58.8 | 66.3 | 97 | 22 | 55 | 57 | 77 | 75 | .496 | .522 | 42.51 | 4.19 | 4.1 | 4.1 | 4.1 |

CHARLOTTE, N. C.

[$\phi$=35° 13′ N.; $\lambda$=80° 51′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.423 | 29.750 | 28.950 | 43.2 | 49.8 | 55.6 | 39.5 | 47.6 | 71 | 18 | 39 | 41 | 83 | 74 | 0.268 | 0.296 | 1.66 | 0.41 | 7.1 | 6.0 | 6.3 |
| February | 29.218 | 29.760 | 28.630 | 37.6 | 46.2 | 53.3 | 33.9 | 43.6 | 68 | 14 | 32 | 34 | 79 | 64 | .194 | .211 | 5.87 | 3.12 | 4.4 | 3.3 | 4.1 |
| March | 29.113 | 29.480 | 28.430 | 42.9 | 53.8 | 61.0 | 38.7 | 49.8 | 77 | 21 | 35 | 33 | 72 | 47 | .227 | .214 | 1.38 | .32 | 5.4 | 2.5 | 3.9 |
| April | 29.148 | 29.480 | 28.810 | 51.8 | 62.3 | 69.3 | 48.8 | 59.0 | 86 | 33 | 42 | 41 | 69 | 49 | .271 | .265 | 2.15 | .83 | 5.2 | 3.3 | 4.6 |
| May | 29.135 | 29.410 | 28.837 | 65.9 | 75.7 | 82.8 | 62.4 | 72.6 | 96 | 53 | 55 | 53 | 70 | 49 | .453 | .426 | 4.41 | 3.21 | 4.1 | 4.5 | 3.8 |
| June | 29.111 | 29.340 | 28.790 | 69.7 | 75.6 | 83.7 | 64.5 | 74.1 | 93 | 58 | 63 | 62 | 80 | 65 | .586 | .566 | 5.55 | 2.76 | 5.9 | 6.5 | 5.1 |
| July | 29.187 | 29.433 | 28.930 | 72.2 | 76.1 | 83.6 | 68.5 | 76.0 | 89 | 64 | 69 | 69 | 90 | 80 | .713 | .712 | 16.55 | 5.04 | 7.3 | 7.2 | 7.0 |
| August | 29.210 | 29.390 | 28.970 | 71.7 | 77.8 | 86.6 | 68.7 | 77.6 | 93 | 60 | 68 | 69 | 87 | 75 | .681 | .704 | 2.70 | 1.04 | 5.5 | 6.4 | 5.2 |
| September | 29.253 | 29.520 | 29.020 | 63.8 | 72.2 | 79.3 | 60.6 | 70.0 | 93 | 45 | 56 | 56 | 78 | 68 | .478 | .465 | .88 | .36 | 4.2 | 2.4 | 3.2 |
| October | 29.291 | 29.540 | 28.875 | 54.6 | 63.6 | 70.9 | 51.1 | 61.0 | 85 | 29 | 49 | 49 | 81 | 61 | .371 | .372 | 2.64 | 1.24 | 3.8 | 2.6 | 3.7 |
| November | 29.341 | 29.710 | 28.710 | 45.9 | 55.1 | 62.8 | 43.1 | 53.0 | 78 | 23 | 38 | 39 | 75 | 58 | .251 | .260 | .36 | .18 | 3.7 | 2.3 | 3.3 |
| December | 29.229 | 29.630 | 28.650 | 37.8 | 44.8 | 51.8 | 34.8 | 43.3 | 69 | 18 | 30 | 32 | 75 | 62 | .185 | .194 | 2.32 | .89 | 4.9 | 3.1 | 4.7 |
| Year | 29.222 | 29.760 | 28.430 | 54.8 | 62.8 | 70.1 | 51.2 | 60.6 | 96 | 14 | 48 | 48 | 78 | 62 | .390 | .390 | 46.47 | 5.04 | 5.1 | 4.2 | 4.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

CAPE MAY, N. J.

[$H_b$=17 ft.; $h_t$=13 ft.; $h_r$=3 ft.; $h_a$=49 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 10.0 | S. | 30 | NW. | 0 | 8 | 4 | 3 | 2 | 16 | 10 | 4 | 15 | 0 | 6 | 12 | 13 | 15 | 11 | 4 | 4 | 2 | 7 | 5 | 0 | 14 | 0 | 0 |
| February | 11.0 | NW. | 40 | NW. | 2 | 7 | 9 | 2 | 4 | 5 | 6 | 7 | 18 | 0 | 6 | 13 | 10 | 11 | 10 | 4 | 3 | 1 | 4 | 4 | 0 | 19 | 0 | 0 |
| March | 11.7 | NW. | 38 | NW. | 0 | 9 | 12 | 9 | 1 | 5 | 4 | 4 | 18 | 0 | 9 | 12 | 10 | 13 | 10 | 6 | 6 | 0 | 4 | 4 | 0 | 19 | 1 | 0 |
| April | 9.8 | NW. | 50 | NW. | 2 | 9 | 4 | 5 | 6 | 10 | 4 | 6 | 16 | 0 | 8 | 14 | 8 | 15 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 |
| May | 8.3 | S. | 36 | NW. | 0 | 3 | 2 | 6 | 9 | 15 | 6 | 6 | 15 | 0 | 11 | 16 | 4 | 12 | 9 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 5 | 0 |
| June | 7.7 | E. | 30 | NW. | 0 | 3 | 5 | 16 | 9 | 11 | 7 | 2 | 7 | 0 | 10 | 11 | 9 | 12 | 10 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 7 | 0 |
| July | 8.1 | S. | 24 | NE. | 0 | 3 | 5 | 7 | 8 | 24 | 7 | 5 | 3 | 0 | 10 | 9 | 12 | 9 | 9 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 |
| August | 6.9 | S. | 24 | NW. | 0 | 10 | 8 | 2 | 6 | 16 | 6 | 6 | 8 | 0 | 14 | 14 | 3 | 7 | 7 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 0 |
| September | 8.3 | S. | 30 | NW. | 0 | 9 | 5 | 6 | 8 | 12 | 9 | 5 | 6 | 0 | 16 | 10 | 4 | 8 | 7 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 0 |
| October | 8.5 | NE. | 34 | SE. | 0 | 8 | 15 | 8 | 4 | 10 | 5 | 2 | 10 | 0 | 13 | 12 | 6 | 7 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| November | 9.9 | S. | 35 | SW. | 0 | 10 | 4 | 1 | 2 | 13 | 11 | 7 | 12 | 0 | 17 | 6 | 7 | 9 | 8 | 1 | 1 | 0 | 2 | 0 | 0 | 5 | 0 | 0 |
| December | 11.0 | NW. | 35 | NW. | 0 | 9 | 4 | 1 | 4 | 10 | 3 | 12 | 19 | 0 | 11 | 13 | 7 | 10 | 9 | 5 | 4 | 0 | 6 | 5 | 0 | 20 | 0 | 0 |
| Year | 9.3 | S. | 50 | NW. | 4 | 88 | 77 | 66 | 63 | 147 | 78 | 66 | 147 | 0 | 131 | 142 | 93 | 128 | 104 | 20 | 18 | 3 | 48 | 18 | 3 | 77 | 26 | 0 |

CHARLES CITY, IOWA.

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.8 | NW. | 30 | NW. | 0 | 5 | 2 | 3 | 9 | 13 | 5 | 4 | 21 | 0 | 7 | 10 | 14 | 12 | 10 | 9 | 7 | 0 | 0 | 18 | 0 | 29 | 0 | 0 |
| February | 6.8 | NW. | 24 | S. | 0 | 8 | 3 | 4 | 4 | 7 | 3 | 7 | 22 | 0 | 8 | 12 | 9 | 6 | 3 | 10 | 6 | 0 | 0 | 21 | 0 | 29 | 0 | 0 |
| March | 8.4 | SE. | 26 | W. | 0 | 9 | 9 | 6 | 16 | 2 | 5 | 1 | 14 | 0 | 6 | 12 | 13 | 9 | 8 | 4 | 4 | 0 | 0 | 7 | 0 | 26 | 1 | 0 |
| April | 8.2 | NW. | 30 | SW. | 0 | 12 | 4 | 2 | 9 | 2 | 6 | 5 | 20 | 0 | 6 | 12 | 12 | 13 | 8 | 4 | 2 | 3 | 0 | 0 | 0 | 9 | 4 | 0 |
| May | 8.9 | SE. | 34 | S. | 0 | 4 | 2 | 3 | 18 | 6 | 8 | 2 | 18 | 1 | 6 | 20 | 5 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 |
| June | 6.5 | NW. | 27 | SE. | 0 | 5 | 3 | 6 | 12 | 4 | 4 | 2 | 24 | 0 | 6 | 19 | 5 | 13 | 10 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 10 | 1 |
| July | 4.5 | SE. | 20 | NW. | 0 | 4 | 8 | 5 | 20 | 12 | 5 | 4 | 4 | 0 | 14 | 13 | 4 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 11 | 0 |
| August | 5.9 | SE. | 27 | SW. | 0 | 6 | 6 | 4 | 14 | 11 | 8 | 3 | 10 | 0 | 13 | 16 | 2 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 3 | 1 |
| September | 6.6 | NW. | 48 | NW. | 1 | 4 | 5 | 0 | 15 | 7 | 6 | 2 | 20 | 1 | 8 | 14 | 8 | 13 | 8 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 6 | 0 |
| October | 7.9 | S. | 28 | SE. | 0 | 8 | 6 | 1 | 17 | 9 | 5 | 0 | 16 | 0 | 11 | 10 | 10 | 12 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 12 | 3 | 0 |
| November | 7.0 | NW. | 26 | SW. | 0 | 3 | 13 | 1 | 9 | 9 | 7 | 3 | 15 | 0 | 11 | 8 | 11 | 8 | 6 | 3 | 3 | 0 | 0 | 7 | 0 | 25 | 0 | 0 |
| December | 7.6 | NW. | 25 | SE. | 0 | 4 | 1 | 5 | 12 | 6 | 5 | 5 | 24 | 0 | 11 | 11 | 9 | 7 | 4 | 10 | 7 | 0 | 0 | 22 | 0 | 31 | 0 | 0 |
| Year | 7.3 | NW. | 48 | NW. | 1 | 72 | 62 | 40 | 155 | 88 | 67 | 38 | 208 | 2 | 107 | 157 | 102 | 121 | 82 | 42 | 31 | 8 | 0 | 75 | 28 | 164 | 47 | 2 |

CHARLESTON, S. C.

[$H_b$=48 ft.; $h_t$=11 ft.; $h_r$=76 ft.; $H_a$=92 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.6 | NE. | 37 | NE. | 0 | 12 | 16 | 6 | 2 | 10 | 12 | 0 | 4 | 0 | 10 | 12 | 9 | 9 | 7 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| February | 12.1 | SW. | 34 | N. | 0 | 7 | 9 | 3 | 3 | 5 | 15 | 11 | 5 | 0 | 19 | 7 | 3 | 8 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | 0 |
| March | 12.8 | SW. | 36 | W. | 0 | 6 | 5 | 5 | 2 | 7 | 21 | 8 | 8 | 0 | 22 | 7 | 2 | 6 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 0 |
| April | 11.7 | S. | 38 | S. | 0 | 7 | 3 | 5 | 4 | 15 | 7 | 10 | 9 | 0 | 18 | 9 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 11.0 | S. | 35 | NE. | 0 | 6 | 3 | 8 | 7 | 16 | 11 | 7 | 4 | 0 | 17 | 8 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| June | 9.5 | S. | 38 | NW. | 0 | 2 | 1 | 6 | 5 | 23 | 12 | 8 | 3 | 0 | 7 | 13 | 10 | 12 | 11 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 13 | 0 |
| July | 11.2 | S. | 64 | N. | 2 | 4 | 7 | 5 | 15 | 14 | 12 | 1 | 4 | 0 | 6 | 11 | 14 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 0 |
| August | 8.7 | SW. | 31 | NE. | 0 | 7 | 6 | 9 | 1 | 13 | 16 | 7 | 2 | 1 | 16 | 10 | 5 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 11 | 0 |
| September | 10.4 | NE. | 31 | NE. | 0 | 18 | 15 | 3 | 7 | 9 | 4 | 1 | 3 | 0 | 19 | 9 | 2 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 |
| October | 13.9 | N. | 44 | NE. | 1 | 24 | 19 | 4 | 1 | 6 | 5 | 1 | 2 | 0 | 14 | 8 | 9 | 9 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| November | 9.4 | N. | 34 | SW. | 0 | 11 | 19 | 4 | 2 | 6 | 7 | 4 | 7 | 0 | 16 | 8 | 6 | 6 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| December | 10.4 | NE. | 44 | S. | 1 | 6 | 13 | 4 | 3 | 8 | 12 | 10 | 6 | 0 | 16 | 4 | 11 | 12 | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| Year | 11.0 | SW. | 64 | N. | 4 | 110 | 116 | 62 | 52 | 132 | 134 | 68 | 57 | 1 | 180 | 106 | 80 | 103 | 82 | 0 | 0 | 0 | 13 | 0 | 15 | 10 | 50 | 0 |

CHARLOTTE, N. C.

[$H_b$=779 ft.; $h_t$=153 ft.; $h_r$=144 ft.; $h_a$=161 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.1 | SW. | 37 | NW. | 0 | 5 | 17 | 4 | 4 | 11 | 18 | 1 | 2 | 0 | 7 | 5 | 19 | 17 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 0 |
| February | 12.3 | NE. | 48 | NW. | 2 | 4 | 13 | 7 | 1 | 8 | 13 | 2 | 10 | 0 | 15 | 6 | 8 | 7 | 6 | 2 | 1 | 0 | 0 | 0 | 0 | 13 | 2 | 0 |
| March | 14.1 | SW. | 54 | SW. | 4 | 5 | 7 | 5 | 3 | 11 | 17 | 7 | 7 | 0 | 13 | 15 | 3 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 0 |
| April | 12.4 | S. | 48 | NW. | 2 | 4 | 10 | 6 | 3 | 12 | 10 | 10 | 5 | 0 | 12 | 11 | 7 | 6 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| May | 10.9 | SW. | 58 | NW. | 2 | 9 | 10 | 10 | 4 | 3 | 19 | 3 | 4 | 0 | 15 | 12 | 4 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| June | 8.8 | SW. | 72 | W. | 3 | 7 | 2 | 9 | 6 | 9 | 18 | 2 | 7 | 0 | 5 | 21 | 4 | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 9 | 0 |
| July | 9.4 | S. | 60 | E. | 3 | 1 | 11 | 8 | 11 | 15 | 12 | 1 | 3 | 0 | 2 | 13 | 16 | 16 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| August | 7.6 | NE. | 38 | N. | 0 | 2 | 19 | 7 | 1 | 10 | 15 | 8 | 0 | 0 | 8 | 16 | 7 | 10 | 9 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 12 | 0 |
| September | 9.6 | NE. | 28 | NW. | 0 | 3 | 23 | 10 | 2 | 7 | 9 | 3 | 3 | 0 | 16 | 11 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| October | 11.9 | NE. | 46 | SW. | 2 | 2 | 35 | 8 | 2 | 1 | 11 | 2 | 1 | 0 | 15 | 10 | 6 | 6 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| November | 10.0 | NE. | 35 | S. | 0 | 4 | 21 | 5 | 2 | 5 | 13 | 4 | 6 | 0 | 17 | 6 | 7 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 |
| December | 10.5 | SW. | 42 | SW. | 1 | 4 | 13 | 5 | 1 | 13 | 13 | 5 | 7 | 1 | 14 | 5 | 12 | 13 | 12 | 1 | 1 | 0 | 2 | 0 | 0 | 13 | 0 | 0 |
| Year | 10.7 | NE. | 72 | W. | 19 | 50 | 181 | 84 | 40 | 105 | 168 | 48 | 55 | 1 | 139 | 131 | 96 | 118 | 93 | 4 | 2 | 1 | 6 | 0 | 22 | 50 | 42 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

## CHATTANOOGA, TENN.

[$\phi$=35° 4′ N.; $\lambda$=85° 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 | 29.446 | 29.750 | 29.070 | 43.1 | 49.6 | 55.1 | 39.4 | 47.2 | 72 | 12 | 37 | 39 | 78 | 68 | 0.254 | 0.280 | 4.75 | 1.83 | 7.4 | 6.5 | 7.1 |
| February | 29.336 | 29.800 | 28.920 | 35.5 | 45.7 | 52.2 | 32.5 | 42.4 | 71 | 15 | 28 | 31 | 72 | 58 | .161 | .183 | 2.63 | .88 | 5.1 | 5.2 | 5.3 |
| March | 29.206 | 29.590 | 28.659 | 42.4 | 54.5 | 60.7 | 38.8 | 49.8 | 79 | 22 | 35 | 38 | 74 | 56 | .220 | .248 | 2.47 | 1.12 | 6.1 | 5.3 | 5.3 |
| April | 29.210 | 29.520 | 28.900 | 51.9 | 63.8 | 69.2 | 49.1 | 59.2 | 84 | 33 | 43 | 43 | 72 | 49 | .283 | .284 | 2.55 | 1.03 | 5.5 | 5.6 | 5.4 |
| May | 29.180 | 29.362 | 28.980 | 64.7 | 76.0 | 82.2 | 60.8 | 71.5 | 92 | 47 | 54 | 56 | 71 | 52 | .440 | .457 | 3.45 | 2.11 | 3.7 | 4.8 | 4.4 |
| June | 29.148 | 29.373 | 28.680 | 68.2 | 75.9 | 83.1 | 63.8 | 73.4 | 92 | 56 | 61 | 61 | 78 | 62 | .538 | .551 | 5.08 | 1.02 | 5.0 | 6.1 | 5.7 |
| July | 29.182 | 29.460 | 28.850 | 72.1 | 78.1 | 84.6 | 69.7 | 77.2 | 92 | 65 | 68 | 69 | 86 | 76 | .679 | .719 | 13.49 | 4.88 | 6.6 | 7.3 | 6.5 |
| August | 29.250 | 29.420 | 29.080 | 72.2 | 79.8 | 86.9 | 69.8 | 78.4 | 94 | 60 | 67 | 68 | 84 | 68 | .673 | .688 | 1.41 | .38 | 5.3 | 5.7 | 5.9 |
| September | 29.281 | 29.470 | 29.070 | 63.0 | 74.0 | 81.1 | 60.7 | 70.9 | 92 | 46 | 55 | 56 | 76 | 55 | .459 | .479 | 1.62 | .70 | 3.8 | 3.3 | 3.8 |
| October | 29.311 | 29.580 | 28.850 | 53.4 | 65.3 | 72.5 | 50.9 | 61.7 | 86 | 36 | 46 | 50 | 78 | 60 | .338 | .388 | 4.12 | 3.37 | 3.3 | 3.4 | 3.8 |
| November | 29.391 | 29.740 | 28.820 | 43.1 | 54.6 | 62.2 | 41.2 | 51.7 | 79 | 21 | 36 | 38 | 75 | 54 | .230 | .250 | 2.93 | 1.20 | 3.6 | 3.0 | 3.1 |
| December | 29.275 | 29.630 | 28.800 | 36.5 | 45.2 | 49.5 | 33.5 | 41.5 | 72 | 16 | 28 | 31 | 71 | 59 | .169 | .193 | 4.22 | 1.91 | 5.5 | 4.4 | 5.1 |
| Year | 29.268 | 29.800 | 28.659 | 53.8 | 63.5 | 69.9 | 50.8 | 60.4 | 94 | 12 | 46 | 48 | 76 | 60 | .370 | .393 | 48.72 | 4.88 | 5.1 | 5.0 | 5.1 |

## CHEYENNE, WYO.

[$\phi$=41° 8′ N.; $\lambda$=104° 48′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 23.825 | 24.106 | 23.420 | 17.5 | 18.4 | 28.2 | 7.0 | 17.6 | 53 | −19 | 9 | 8 | 71 | 63 | 0.072 | 0.066 | 0.63 | 0.18 | 4.5 | 5.3 | 6.3 |
| February | 24.019 | 24.370 | 23.500 | 26.4 | 35.8 | 43.7 | 20.0 | 31.8 | 64 | − 4 | 14 | 18 | 59 | 50 | .083 | .099 | .30 | .14 | 3.5 | 4.2 | 4.7 |
| March | 23.926 | 24.240 | 23.306 | 32.7 | 43.7 | 49.9 | 27.4 | 38.6 | 67 | 3 | 19 | 19 | 58 | 40 | .103 | .101 | .20 | .11 | 5.0 | 5.4 | 5.8 |
| April | 23.962 | 24.210 | 23.594 | 32.4 | 45.8 | 51.6 | 28.7 | 40.2 | 73 | 12 | 25 | 28 | 74 | 55 | .135 | .159 | .48 | .17 | 5.8 | 7.8 | 6.9 |
| May | 23.887 | 24.130 | 23.600 | 40.4 | 57.2 | 60.9 | 36.2 | 48.6 | 82 | 17 | 28 | 30 | 65 | 41 | .160 | .168 | 1.93 | 1.16 | 4.3 | 6.3 | 4.8 |
| June | 23.991 | 24.190 | 23.710 | 49.1 | 67.3 | 72.3 | 44.6 | 58.4 | 88 | 30 | 38 | 38 | 69 | 39 | .242 | .240 | .37 | .24 | 2.9 | 5.0 | 4.1 |
| July | 24.100 | 24.350 | 23.840 | 60.2 | 76.9 | 82.3 | 55.9 | 69.1 | 88 | 50 | 46 | 44 | 62 | 35 | .316 | .301 | 1.81 | 1.13 | 3.5 | 6.2 | 4.4 |
| August | 24.106 | 24.330 | 23.890 | 53.6 | 69.4 | 76.1 | 51.6 | 63.8 | 86 | 41 | 46 | 47 | 78 | 48 | .319 | .331 | 1.26 | .66 | 3.7 | 6.1 | 4.7 |
| September | 24.064 | 24.390 | 23.700 | 46.1 | 62.5 | 69.7 | 41.8 | 55.8 | 83 | 26 | 33 | 35 | 63 | 40 | .194 | .206 | 1.00 | .75 | 3.3 | 4.6 | 3.5 |
| October | 24.026 | 24.370 | 23.620 | 36.3 | 45.2 | 54.2 | 31.6 | 42.9 | 73 | 12 | 28 | 30 | 72 | 58 | .152 | .167 | 1.95 | .82 | 5.0 | 4.5 | 4.6 |
| November | 24.029 | 24.290 | 23.490 | 27.1 | 33.0 | 42.0 | 20.5 | 31.2 | 67 | −21 | 12 | 16 | 54 | 50 | .077 | .091 | .88 | .35 | 2.8 | 3.4 | 3.6 |
| December | 23.778 | 24.090 | 23.280 | 19.5 | 21.5 | 31.0 | 11.0 | 21.0 | 50 | −11 | 10 | 10 | 66 | 61 | .072 | .068 | .34 | .09 | 3.1 | 3.7 | 4.4 |
| Year | 23.976 | 24.390 | 23.280 | 36.8 | 48.1 | 55.2 | 31.4 | 43.2 | 88 | −21 | 26 | 27 | 66 | 48 | .160 | .166 | 11.15 | 1.16 | 4.0 | 5.2 | 4.8 |

## CHICAGO, ILL.

[$\phi$=41° 53′ N.; $\lambda$=87° 37′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.219 | 29.720 | 28.630 | 28.1 | 31.1 | 36.6 | 20.9 | 28.8 | 62 | − 6 | 23 | 23 | 78 | 71 | 0.146 | 0.149 | 4.84 | 1.91 | 6.4 | 5.7 | 6.4 |
| February | 29.247 | 29.770 | 28.800 | 22.6 | 26.7 | 31.2 | 18.8 | 25.0 | 50 | − 3 | 16 | 18 | 73 | 68 | .097 | .105 | .87 | .31 | 5.6 | 4.9 | 5.9 |
| March | 29.080 | 29.540 | 28.260 | 30.8 | 36.5 | 41.2 | 27.9 | 34.6 | 72 | 12 | 24 | 28 | 75 | 69 | .138 | .164 | 2.48 | 1.04 | 6.8 | 5.5 | 6.6 |
| April | 29.075 | 29.410 | 28.660 | 43.9 | 49.7 | 55.1 | 41.0 | 48.0 | 77 | 26 | 36 | 39 | 74 | 67 | .221 | .248 | 1.60 | .70 | 5.8 | 5.9 | 6.2 |
| May | 29.019 | 29.400 | 28.580 | 56.5 | 60.8 | 66.9 | 51.7 | 59.3 | 90 | 40 | 47 | 49 | 73 | 66 | .346 | .358 | 2.93 | .94 | 5.3 | 5.2 | 5.8 |
| June | 28.997 | 29.420 | 28.510 | 61.0 | 64.0 | 70.1 | 56.9 | 63.5 | 88 | 50 | 53 | 55 | 76 | 74 | .407 | .442 | 7.25 | 2.61 | 4.9 | 5.1 | 5.5 |
| July | 29.140 | 29.332 | 28.910 | 75.9 | 79.3 | 84.8 | 72.1 | 78.4 | 102 | 60 | 65 | 65 | 70 | 64 | .628 | .640 | 2.22 | 1.41 | .7 | 1.3 | 1.2 |
| August | 29.144 | 29.366 | 28.930 | 72.3 | 77.6 | 83.3 | 69.9 | 76.6 | 97 | 57 | 61 | 63 | 60 | 62 | .559 | .597 | 1.05 | .94 | 2.9 | 3.0 | 3.1 |
| September | 29.149 | 29.430 | 28.710 | 58.4 | 67.0 | 72.5 | 56.3 | 64.4 | 89 | 39 | 49 | 51 | 71 | 58 | .375 | .406 | 2.24 | 1.39 | 3.6 | 3.4 | 4.3 |
| October | 29.176 | 29.583 | 28.360 | 49.7 | 56.7 | 62.1 | 46.8 | 54.4 | 87 | 35 | 40 | 42 | 71 | 60 | .257 | .274 | 3.88 | 1.65 | 4.5 | 3.5 | 4.0 |
| November | 29.168 | 29.550 | 28.400 | 39.7 | 45.5 | 50.0 | 36.5 | 43.2 | 74 | 14 | 31 | 32 | 71 | 61 | .187 | .195 | 2.11 | 1.06 | 5.1 | 4.1 | 5.3 |
| December | 29.081 | 29.680 | 28.580 | 23.6 | 27.8 | 33.3 | 18.8 | 26.0 | 64 | − 2 | 16 | 19 | 73 | 67 | .106 | .121 | 2.58 | .94 | 5.8 | 3.9 | 4.9 |
| Year | 29.125 | 29.770 | 28.260 | 46.9 | 51.9 | 57.3 | 43.1 | 50.2 | 102 | − 6 | 38 | 40 | 73 | 66 | .289 | .308 | 34.05 | 2.61 | 4.8 | 4.3 | 4.9 |

## CINCINNATI, OHIO.

[$\phi$=39° 6′ N.; $\lambda$=84° 30′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.517 | 29.950 | 28.930 | 33.4 | 39.4 | 47.5 | 27.8 | 37.6 | 70 | − 4 | 29 | 32 | 85 | 76 | 0.193 | 0.214 | 5.84 | 1.21 | 6.6 | 6.2 | 7.0 |
| February | 29.450 | 30.010 | 28.910 | 25.2 | 31.1 | 38.2 | 20.9 | 29.6 | 65 | 3 | 22 | 24 | 86 | 72 | .123 | .131 | 1.73 | 1.13 | 6.7 | 6.4 | 6.3 |
| March | 29.281 | 29.740 | 28.410 | 33.8 | 41.3 | 48.9 | 28.9 | 38.9 | 76 | 8 | 28 | 32 | 81 | 70 | .171 | .198 | 3.34 | .81 | 5.0 | 6.5 | 6.3 |
| April | 29.294 | 29.560 | 28.970 | 47.3 | 53.7 | 60.6 | 42.6 | 51.6 | 80 | 30 | 39 | 40 | 75 | 61 | .248 | .256 | 2.51 | .77 | 6.5 | 7.1 | 7.1 |
| May | 29.269 | 29.585 | 28.950 | 61.0 | 67.5 | 74.4 | 54.6 | 64.5 | 89 | 39 | 50 | 52 | 68 | 60 | .380 | .406 | 4.49 | 2.34 | 5.6 | 5.3 | 5.8 |
| June | 29.229 | 29.610 | 28.760 | 64.9 | 70.1 | 76.9 | 57.7 | 67.3 | 92 | 50 | 56 | 57 | 75 | 65 | .462 | .473 | 4.32 | 1.37 | 4.9 | 5.7 | 6.0 |
| July | 29.321 | 29.542 | 29.090 | 74.3 | 81.4 | 89.5 | 67.9 | 78.7 | 98 | 59 | 66 | 65 | 76 | 60 | .651 | .684 | 1.79 | .60 | 2.4 | 4.7 | 3.9 |
| August | 29.360 | 29.570 | 29.150 | 70.7 | 78.2 | 86.5 | 66.1 | 76.3 | 96 | 52 | 65 | 63 | 82 | 62 | .624 | .596 | 3.57 | 1.25 | 3.9 | 4.4 | 4.5 |
| September | 29.401 | 29.680 | 29.090 | 58.7 | 67.3 | 75.9 | 54.4 | 65.2 | 90 | 36 | 52 | 52 | 78 | 59 | .411 | .416 | 3.29 | 1.36 | 4.4 | 2.6 | 3.6 |
| October | 29.440 | 29.770 | 28.790 | 47.4 | 58.4 | 67.4 | 42.4 | 54.9 | 88 | 27 | 42 | 43 | 84 | 59 | .287 | .296 | 1.81 | .93 | 3.2 | 3.1 | 3.6 |
| November | 29.465 | 29.790 | 28.710 | 39.0 | 47.7 | 55.6 | 35.2 | 45.4 | 75 | 14 | 32 | 33 | 76 | 60 | .189 | .201 | 1.85 | 1.08 | 3.5 | 3.2 | 3.5 |
| December | 29.355 | 29.850 | 28.909 | 27.8 | 33.7 | 40.3 | 22.8 | 31.6 | 63 | 1 | 22 | 26 | 79 | 73 | .130 | .155 | 3.00 | 1.31 | 6.4 | 4.3 | 6.2 |
| Year | 29.365 | 30.010 | 28.410 | 48.6 | 55.8 | 63.5 | 43.4 | 53.5 | 98 | − 4 | 42 | 43 | 79 | 65 | .322 | .331 | 38.14 | 2.34 | 4.9 | 5.0 | 5.3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

CHATTANOOGA, TENN.

[$H_b$=762 ft.; $h_t$=189 ft.; $h_r$=167 ft.; $h_a$=213 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 9.4 | S. | 49 | SW. | 1 | 8 | 5 | 8 | 9 | 17 | 5 | 1 | 9 | 0 | 6 | 5 | 20 | 17 | 10 | 2 | 1 | 0 | 0 | 2 | 0 | 8 | 1 | 0 |
| February | 10.3 | NW. | 39 | NW. | 0 | 10 | 3 | 3 | 0 | 6 | 13 | 6 | 17 | 0 | 11 | 6 | 12 | 7 | 6 | 5 | 2 | 0 | 2 | 1 | 0 | 13 | 0 | 0 |
| March | 11.2 | SW. | 50 | NW. | 2 | 7 | 8 | 1 | 3 | 8 | 13 | 10 | 12 | 0 | 11 | 8 | 12 | 13 | 8 | 3 | 2 | 0 | 2 | 0 | 0 | 10 | 4 | 0 |
| April | 9.3 | NW. | 49 | NW. | 1 | 8 | 9 | 1 | 2 | 10 | 10 | 6 | 14 | 0 | 10 | 11 | 9 | 12 | 9 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| May | 7.5 | W. | 33 | S. | 0 | 7 | 6 | 3 | 4 | 10 | 8 | 18 | 6 | 0 | 13 | 11 | 7 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 4 | 0 |
| June | 7.1 | W. | 46 | SW. | 1 | 5 | 6 | 2 | 2 | 4 | 15 | 18 | 8 | 0 | 6 | 15 | 9 | 16 | 11 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 15 | 0 |
| July | 6.4 | W. | 30 | NW. | 0 | 3 | 12 | 5 | 8 | 11 | 3 | 14 | 6 | 0 | 3 | 15 | 13 | 19 | 16 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 14 | 0 |
| August | 5.7 | W. | 30 | SW. | 0 | 3 | 11 | 1 | 5 | 2 | 12 | 19 | 9 | 0 | 5 | 17 | 9 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 10 | 0 |
| September | 6.7 | S. | 28 | S. | 0 | 10 | 11 | 5 | 3 | 13 | 2 | 12 | 4 | 0 | 17 | 11 | 2 | 7 | 6 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 7 | 0 |
| October | 6.2 | NE. | 36 | W. | 0 | 13 | 14 | 2 | 4 | 6 | 6 | 9 | 8 | 0 | 16 | 8 | 7 | 8 | 4 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 |
| November | 7.7 | S. | 32 | SW. | 0 | 6 | 3 | 4 | 5 | 17 | 4 | 8 | 13 | 0 | 19 | 6 | 5 | 10 | 8 | 1 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 |
| December | 8.8 | NE. | 36 | SW. | 0 | 7 | 11 | 3 | 7 | 10 | 9 | 5 | 10 | 0 | 13 | 6 | 12 | 11 | 11 | 3 | 3 | 0 | 1 | 1 | 0 | 13 | 1 | 0 |
| Year | 8.0 | W. | 50 | NW. | 5 | 87 | 99 | 38 | 52 | 114 | 100 | 126 | 116 | 0 | 130 | 119 | 117 | 136 | 103 | 16 | 8 | 0 | 26 | 4 | 20 | 50 | 59 | 0 |

CHEYENNE, WYO.

[$H_b$=6,088 ft.; $h_t$=84 ft.; $h_r$=75 ft.; $h_a$=101 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.2 | W. | 70 | W. | 4 | 9 | 1 | 1 | 5 | 9 | 18 | 9 | 10 | 0 | 7 | 10 | 14 | 9 | 6 | 13 | 9 | 0 | 1 | 19 | 0 | 30 | 0 | 0 |
| February | 14.0 | W. | 60 | W. | 4 | 8 | 4 | 0 | 0 | 4 | 4 | 22 | 16 | 0 | 11 | 10 | 8 | 5 | 3 | 6 | 5 | 0 | 0 | 5 | 0 | 27 | 0 | 0 |
| March | 21.2 | W. | 78 | NW. | 14 | 9 | 2 | 1 | 1 | 5 | 4 | 23 | 16 | 1 | 7 | 16 | 8 | 4 | 2 | 9 | 4 | 0 | 0 | 4 | 0 | 21 | 0 | 0 |
| April | 12.8 | N. | 42 | N. | 3 | 9 | 4 | 1 | 6 | 8 | 6 | 12 | 14 | 0 | 3 | 12 | 15 | 8 | 5 | 9 | 4 | 0 | 1 | 2 | 0 | 20 | 2 | 0 |
| May | 15.2 | W. | 66 | W. | 5 | 10 | 3 | 0 | 8 | 7 | 6 | 12 | 16 | 0 | 13 | 12 | 6 | 10 | 7 | 5 | 2 | 0 | 1 | 0 | 0 | 10 | 5 | 0 |
| June | 11.2 | NW. | 54 | W. | 2 | 8 | 5 | 3 | 13 | 5 | 3 | 9 | 13 | 1 | 15 | 13 | 2 | 5 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 1 | 10 | 0 |
| July | 9.8 | NW. | 39 | NW. | 0 | 7 | 7 | 3 | 6 | 10 | 1 | 8 | 20 | 0 | 11 | 15 | 5 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| August | 9.5 | NW. | 47 | W. | 1 | 5 | 7 | 1 | 6 | 10 | 7 | 7 | 18 | 1 | 11 | 15 | 5 | 12 | 5 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 12 | 0 |
| September | 11.9 | NW. | 46 | NW. | 3 | 1 | 3 | 2 | 2 | 8 | 11 | 16 | 17 | 0 | 18 | 6 | 6 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 4 | 0 |
| October | 12.4 | W. | 53 | W. | 5 | 10 | 7 | 5 | 2 | 5 | 5 | 16 | 12 | 0 | 13 | 11 | 7 | 10 | 8 | 5 | 4 | 0 | 2 | 2 | 0 | 14 | 1 | 0 |
| November | 15.5 | W. | 68 | W. | 9 | 7 | 1 | 3 | 0 | 2 | 5 | 17 | 25 | 0 | 19 | 3 | 8 | 7 | 5 | 7 | 7 | 0 | 0 | 6 | 0 | 25 | 0 | 0 |
| December | 18.3 | W. | 65 | W. | 16 | 9 | 1 | 0 | 4 | 4 | 7 | 24 | 13 | 0 | 15 | 6 | 10 | 9 | 4 | 13 | 9 | 0 | 0 | 17 | 0 | 28 | 0 | 0 |
| Year | 13.8 | NW. | 78 | NW. | 66 | 92 | 45 | 20 | 53 | 77 | 77 | 175 | 190 | 3 | 143 | 129 | 94 | 92 | 56 | 69 | 45 | 2 | 9 | 55 | 0 | 179 | 40 | 0 |

CHICAGO, ILL.

$H_b$=823 ft.; $h_t$=140 ft.; $h_r$=133 ft.; $h_a$=310 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.5 | W. | 42 | S. | 2 | 3 | 1 | 3 | 4 | 14 | 15 | 19 | 3 | 0 | 10 | 4 | 17 | 15 | 10 | 8 | 4 | 0 | 1 | 10 | 0 | 22 | 2 | 0 |
| February | 12.3 | W. | 31 | NW. | 0 | 3 | 8 | 2 | 1 | 5 | 8 | 14 | 17 | 0 | 10 | 5 | 14 | 9 | 5 | 14 | 8 | 0 | 0 | 17 | 0 | 26 | 0 | 0 |
| March | 15.3 | N. | 48 | NE. | 6 | 13 | 14 | 3 | 7 | 4 | 5 | 10 | 6 | 0 | 7 | 9 | 15 | 13 | 7 | 13 | 5 | 0 | 0 | 7 | 0 | 20 | 2 | 0 |
| April | 13.7 | W. | 38 | S. | 0 | 9 | 7 | 5 | 5 | 6 | 7 | 11 | 10 | 0 | 8 | 8 | 14 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| May | 12.6 | W. | 39 | W. | 0 | 7 | 6 | 6 | 9 | 6 | 10 | 13 | 5 | 0 | 9 | 11 | 11 | 12 | 11 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 7 | 0 |
| June | 11.5 | W. | 44 | NE. | 1 | 8 | 10 | 5 | 2 | 5 | 7 | 17 | 6 | 0 | 10 | 10 | 10 | 18 | 15 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 12 | 0 |
| July | 8.3 | N. | 28 | N. | 0 | 17 | 14 | 12 | 4 | 4 | 2 | 7 | 2 | 0 | 28 | 2 | 1 | 6 | 6 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 6 | 0 |
| August | 9.7 | NE. | 30 | N. | 0 | 5 | 13 | 4 | 10 | 2 | 9 | 15 | 4 | 0 | 18 | 9 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 7 | 1 |
| September | 12.3 | SW. | 37 | NW. | 0 | 4 | 7 | 2 | 5 | 9 | 14 | 8 | 11 | 0 | 14 | 7 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| October | 13.7 | SW. | 41 | W. | 2 | 7 | 6 | 3 | 5 | 12 | 13 | 9 | 7 | 0 | 18 | 6 | 7 | 11 | 9 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| November | 14.2 | SW. | 36 | S. | 0 | 0 | 4 | 6 | 3 | 9 | 13 | 9 | 16 | 0 | 11 | 7 | 12 | 5 | 4 | 5 | 1 | 0 | 0 | 3 | 0 | 10 | 0 | 0 |
| December | 13.1 | NW. | 35 | W. | 0 | 0 | 1 | 3 | 6 | 6 | 8 | 21 | 17 | 0 | 15 | 5 | 11 | 13 | 8 | 13 | 9 | 0 | 1 | 16 | 0 | 24 | 1 | 0 |
| Year | 12.7 | W. | 48 | NE. | 11 | 76 | 91 | 54 | 61 | 82 | 111 | 153 | 104 | 0 | 158 | 83 | 125 | 125 | 90 | 54 | 27 | 3 | 4 | 53 | 17 | 106 | 45 | 1 |

CINCINNATI, OHIO.

$H_b$=628 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=51 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.0 | S. | 34 | S. | 0 | 4 | 5 | 2 | 6 | 19 | 14 | 5 | 7 | 0 | 6 | 8 | 17 | 19 | 18 | 5 | 3 | 0 | 2 | 8 | 0 | 17 | 1 | 0 |
| February | 9.0 | SW. | 32 | W. | 0 | 9 | 7 | 5 | 1 | 5 | 12 | 10 | 9 | 0 | 7 | 9 | 13 | 8 | 5 | 11 | 5 | 0 | 2 | 9 | 0 | 25 | 0 | 0 |
| March | 9.7 | N. | 52 | W. | 2 | 12 | 9 | 6 | 2 | 7 | 11 | 7 | 8 | 0 | 6 | 12 | 13 | 15 | 12 | 7 | 4 | 2 | 2 | 4 | 0 | 20 | 4 | 0 |
| April | 9.3 | SW. | 36 | W. | 0 | 5 | 6 | 5 | 2 | 7 | 18 | 6 | 10 | 1 | 3 | 10 | 17 | 14 | 9 | 3 | 3 | 1 | 0 | 0 | 0 | 5 | 2 | 0 |
| May | 7.6 | SW. | 36 | SW. | 0 | 4 | 13 | 2 | 0 | 10 | 22 | 5 | 6 | 0 | 10 | 12 | 9 | 16 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 6.6 | SW. | 29 | SW. | 0 | 4 | 12 | 4 | 2 | 8 | 16 | 6 | 7 | 1 | 6 | 12 | 12 | 12 | 10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 10 | 0 |
| July | 4.8 | NE. | 32 | N. | 0 | 10 | 18 | 10 | 3 | 8 | 4 | 4 | 5 | 0 | 17 | 10 | 4 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 12 | 0 |
| August | 4.9 | SW. | 28 | W. | 0 | 7 | 15 | 6 | 1 | 4 | 16 | 5 | 6 | 2 | 12 | 13 | 6 | 9 | 8 | 0 | 0 | 0 | 1 | 0 | 13 | 0 | 10 | 1 |
| September | 6.4 | S. | 28 | SW. | 0 | 7 | 8 | 1 | 5 | 17 | 13 | 4 | 4 | 1 | 19 | 7 | 4 | 9 | 7 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 5 | 0 |
| October | 6.3 | NE. | 36 | SW. | 0 | 3 | 18 | 8 | 2 | 10 | 14 | 3 | 2 | 2 | 17 | 6 | 8 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 |
| November | 9.0 | SW. | 36 | SW. | 0 | 1 | 8 | 0 | 3 | 13 | 21 | 10 | 4 | 0 | 18 | 4 | 8 | 6 | 5 | 2 | 1 | 0 | 0 | 2 | 0 | 10 | 0 | 0 |
| December | 9.0 | SW. | 31 | SW. | 0 | 3 | 6 | 1 | 6 | 15 | 15 | 7 | 8 | 1 | 11 | 7 | 13 | 13 | 11 | 12 | 6 | 0 | 3 | 8 | 0 | 24 | 1 | 0 |
| Year | 7.7 | SW. | 52 | W. | 2 | 69 | 125 | 50 | 33 | 123 | 176 | 72 | 76 | 8 | 132 | 110 | 124 | 136 | 105 | 40 | 22 | 6 | 12 | 31 | 30 | 102 | 57 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

CLEVELAND, OHIO.

[$\phi$= 41° 30′ N.; $\lambda$= 81° 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 | 29.325 | 29.790 | 28.630 | 31.0 | 34.7 | 43.8 | 25.8 | 34.8 | 69 | − 1 | 26 | 28 | 80 | 75 | 0.164 | 0.174 | 2.40 | 0.59 | 7.3 | 6.9 | 7.6 |
| February | 29.258 | 29.850 | 28.600 | 20.1 | 24.0 | 29.5 | 16.4 | 23.0 | 54 | 1 | 14 | 18 | 77 | 76 | .087 | .100 | 1.52 | .30 | 7.4 | 8.0 | 7.6 |
| March | 29.122 | 29.560 | 28.370 | 25.7 | 32.0 | 38.3 | 21.9 | 30.1 | 75 | 6 | 21 | 25 | 82 | 75 | .126 | .147 | 2.29 | .51 | 6.7 | 6.1 | 6.4 |
| April | 29.131 | 29.440 | 28.800 | 43.3 | 47.3 | 52.9 | 38.9 | 45.9 | 75 | 30 | 37 | 37 | 80 | 69 | .232 | .231 | 2.43 | .53 | 6.7 | 6.8 | 6.6 |
| May | 29.110 | 29.505 | 28.650 | 56.2 | 60.6 | 65.6 | 50.4 | 58.0 | 82 | 39 | 47 | 49 | 73 | 67 | .342 | .364 | 2.04 | .66 | 6.8 | 6.5 | 6.4 |
| June | 29.091 | 29.510 | 28.727 | 60.6 | 66.0 | 70.1 | 55.6 | 62.8 | 82 | 44 | 53 | 54 | 76 | 67 | .407 | .421 | 1.98 | .71 | 5.9 | 5.7 | 6.0 |
| July | 29.197 | 29.450 | 28.830 | 73.0 | 78.4 | 82.6 | 68.5 | 75.6 | 93 | 59 | 64 | 64 | 73 | 64 | .595 | .614 | 2.48 | 1.64 | 3.2 | 4.4 | 3.8 |
| August | 29.208 | 29.411 | 28.980 | 68.8 | 77.0 | 80.2 | 64.6 | 72.4 | 91 | 50 | 61 | 61 | 76 | 59 | .547 | .555 | 1.36 | .64 | 4.1 | 3.4 | 3.8 |
| September | 29.230 | 29.538 | 28.890 | 58.9 | 65.2 | 71.8 | 55.8 | 63.8 | 92 | 41 | 51 | 53 | 76 | 68 | .396 | .427 | 2.84 | .88 | 5.8 | 4.3 | 5.0 |
| October | 29.284 | 29.600 | 28.580 | 47.5 | 54.9 | 62.1 | 43.3 | 52.7 | 83 | 36 | 40 | 42 | 75 | 64 | .260 | .277 | 2.19 | 1.05 | 5.6 | 3.7 | 4.4 |
| November | 29.265 | 29.640 | 28.370 | 38.7 | 42.8 | 49.3 | 35.3 | 42.3 | 71 | 18 | 32 | 34 | 76 | 71 | .186 | .200 | 2.35 | .65 | 5.9 | 4.8 | 5.5 |
| December | 29.160 | 29.670 | 28.660 | 26.2 | 30.5 | 35.6 | 22.5 | 29.0 | 63 | 2 | 20 | 23 | 74 | 73 | .119 | .131 | 2.06 | .39 | 7.5 | 6.7 | 7.2 |
| Year | 29.198 | 29.850 | 28.370 | 45.8 | 51.1 | 56.8 | 41.6 | 49.2 | 93 | − 1 | 39 | 41 | 76 | 69 | .288 | .303 | 25.94 | 1.64 | 6.1 | 5.6 | 5.9 |

COLON, PANAMA.

[$\phi$= 9° 23′ N.; $\lambda$=79° 53′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | | | | | | 84.8 | 77.3 | 81.0 | 86 | 74 | | | | | | | 2.33 | 1.88 | | | 3.8 |
| February | | | | | | 83.8 | 75.9 | 79.8 | 85 | 73 | | | | | | | 1.96 | .44 | | | 5.0 |
| March | | | | | | 84.6 | 76.4 | 80.5 | 86 | 74 | | | | | | | 2.68 | .55 | | | 3.9 |
| April | | | | | | 86.3 | 77.3 | 81.8 | 89 | 73 | | | | | | | 6.25 | 2.49 | | | 6.0 |
| May | | | | | | 86.9 | 76.3 | 81.6 | 90 | 72 | | | | | | | 9.38 | 2.28 | | | 7.8 |
| June | | | | | | 86.1 | 75.4 | 80.8 | 90 | 74 | | | | | | | 14.28 | 3.29 | | | 8.4 |
| July | | | | | | 86.5 | 74.8 | 80.6 | 90 | 73 | | | | | | | 10.44 | 2.41 | | | 7.4 |
| August | | | | | | 86.8 | 74.6 | 80.7 | 90 | 75 | | | | | | | 8.34 | 1.24 | | | 8.3 |
| September | | | | | | 86.6 | 74.9 | 80.8 | 90 | 74 | | | | | | | 10.41 | 1.64 | | | 8.4 |
| October | | | | | | 86.2 | 74.4 | 80.3 | 89 | 73 | | | | | | | 17.59 | 4.78 | | | 7.8 |
| November | | | | | | 85.4 | 74.2 | 79.8 | 90 | 72 | | | | | | | 14.08 | 2.33 | | | 7.8 |
| December | | | | | | 84.3 | 75.3 | 79.8 | 88 | 72 | | | | | | | 5.71 | 1.47 | | | 5.8 |
| Year | | | | | | 85.7 | 75.6 | 80.6 | 90 | 72 | | | | | | | 103.45 | 4.78 | | | 6.7 |

COLUMBIA, MO.

[$\phi$=38° 57′ N.; $\lambda$= 92° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.282 | 29.840 | 28.730 | 28.0 | | 40.6 | 20.5 | 30.6 | 63 | − 11 | 23 | | 81 | | 0.148 | | 6.80 | 1.88 | 7.4 | | 7.1 |
| February | 29.337 | 29.800 | 28.920 | 24.0 | | 38.1 | 21.4 | 29.8 | 63 | 5 | 19 | | 80 | | .109 | | .81 | .54 | 6.0 | | 6.0 |
| March | 29.091 | 29.620 | 28.310 | 36.8 | | 56.3 | 33.1 | 44.7 | 86 | 12 | 31 | | 79 | | .183 | | 1.93 | .73 | 5.7 | | 5.9 |
| April | 29.135 | 29.470 | 28.650 | 47.0 | | 62.0 | 43.9 | 53.0 | 84 | 30 | 41 | | 80 | | .265 | | 2.68 | .98 | 7.0 | | 7.3 |
| May | 29.055 | 29.380 | 28.720 | 59.1 | | 74.5 | 55.5 | 65.0 | 89 | 44 | 53 | | 80 | | .419 | | 5.21 | 1.60 | 5.5 | | 5.8 |
| June | 29.046 | 29.330 | 28.470 | 63.5 | | 78.0 | 59.9 | 69.0 | 93 | 52 | 59 | | 85 | | .502 | | 3.64 | 1.83 | 4.9 | | 5.2 |
| July | 29.159 | 29.360 | 28.980 | 73.5 | | 94.3 | 68.5 | 81.4 | 100 | 62 | 67 | | 79 | | .658 | | .67 | .53 | 1.3 | | 2.3 |
| August | 29.182 | 29.440 | 28.910 | 71.1 | | 90.5 | 67.6 | 79.0 | 100 | 46 | 65 | | 83 | | .637 | | 2.04 | 1.53 | 3.9 | | 3.4 |
| September | 29.211 | 29.540 | 28.770 | 58.4 | | 78.2 | 55.4 | 66.8 | 96 | 34 | 53 | | 82 | | .431 | | 4.43 | 1.99 | 3.5 | | 4.1 |
| October | 29.234 | 29.690 | 28.830 | 48.5 | | 69.2 | 46.7 | 58.0 | 89 | 25 | 41 | | 76 | | .273 | | .155 | .60 | 4.3 | | 4.6 |
| November | 29.255 | 29.610 | 28.720 | 39.2 | | 56.8 | 35.9 | 46.4 | 80 | 11 | 31 | | 74 | | .188 | | 2.21 | 1.28 | 3.6 | | 3.6 |
| December | 29.154 | 29.740 | 28.690 | 26.2 | | 38.5 | 21.2 | 29.8 | 66 | 0 | 19 | | 74 | | .126 | | 1.66 | 1.14 | 5.0 | | 5.8 |
| Year | 29.178 | 29.840 | 28.310 | 47.9 | | 64.8 | 44.1 | 54.5 | 100 | − 11 | 42 | | 79 | | .328 | | 33.63 | 1.99 | 4.8 | | 5.1 |

COLUMBIA, S. C.

[$\phi$= 34° 0′ N.; $\lambda$=81 ° 3′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.904 | 30.250 | 29.470 | 46.7 | 54.4 | 62.3 | 43.5 | 52.9 | 77 | 22 | 43 | 43 | 87 | 67 | 0.313 | 0.317 | 1.32 | 0.33 | 6.6 | 4.6 | 6.2 |
| February | 29.704 | 30.360 | 29.110 | 41.8 | 50.9 | 59.5 | 38.8 | 49.2 | 74 | 18 | 36 | 33 | 81 | 54 | .238 | .209 | 3.76 | 1.88 | 4.3 | 2.4 | 3.5 |
| March | 29.606 | 29.950 | 29.000 | 47.0 | 57.5 | 66.4 | 42.7 | 54.6 | 81 | 26 | 38 | 34 | 71 | 43 | .253 | .225 | 1.98 | .84 | 3.9 | 1.6 | 3.5 |
| April | 29.619 | 29.990 | 29.330 | 55.3 | 65.9 | 73.8 | 51.5 | 62.6 | 89 | 33 | 44 | 41 | 68 | 44 | .303 | .271 | 1.11 | .54 | 4.3 | 2.8 | 4.2 |
| May | 29.591 | 29.880 | 29.280 | 67.9 | 79.0 | 87.3 | 64.5 | 75.9 | 99 | 56 | 57 | 55 | 71 | 47 | .488 | .458 | .58 | .20 | 3.8 | 3.6 | 4.0 |
| June | 29.572 | 29.770 | 29.270 | 72.0 | 78.1 | 87.7 | 68.4 | 78.0 | 93 | 62 | 64 | 63 | 77 | 62 | .608 | .589 | 4.15 | 1.84 | 6.2 | 6.6 | 5.8 |
| July | 29.630 | 29.880 | 29.070 | 74.2 | 78.6 | 86.3 | 71.3 | 78.8 | 92 | 70 | 70 | 70 | 86 | 76 | .731 | .727 | 7.58 | 2.27 | 8.0 | 7.2 | 7.6 |
| August | 29.660 | 29.840 | 29.400 | 74.5 | 80.2 | 89.1 | 71.2 | 80.2 | 95 | 64 | 69 | 69 | 85 | 70 | .722 | .707 | 4.87 | 2.00 | 5.0 | 5.1 | 5.2 |
| September | 29.689 | 29.950 | 29.470 | 66.3 | 74.1 | 82.7 | 63.3 | 73.0 | 92 | 48 | 60 | 59 | 80 | 61 | .534 | .522 | 2.23 | 1.26 | 3.9 | 1.9 | 3.6 |
| October | 29.716 | 29.950 | 29.360 | 58.3 | 66.0 | 73.8 | 55.0 | 64.4 | 85 | 41 | 50 | 52 | 76 | 63 | .400 | .420 | 1.33 | .77 | 4.4 | 3.0 | 4.5 |
| November | 29.788 | 30.190 | 29.270 | 46.8 | 57.7 | 65.6 | 44.7 | 55.2 | 80 | 28 | 38 | 40 | 73 | 56 | .260 | .288 | .56 | .24 | 3.4 | 1.5 | 3.6 |
| December | 29,698 | 30,100 | 29.100 | 40.6 | 49.2 | 56.7 | 38.0 | 47.4 | 73 | 26 | 31 | 30 | 67 | 50 | .189 | .191 | 1.40 | .45 | 4.6 | 3.8 | 4.2 |
| Year | 29.681 | 30.260 | 29.000 | 57.6 | 66.0 | 74.3 | 54.4 | 64.4 | 99 | 18 | 50 | 49 | 77 | 58 | .420 | .410 | 30.87 | 2.27 | 4.9 | 3.7 | 4.7 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

CLEVELAND, OHIO.

[$H_b$=762 ft.; $h_t$=190 ft.; $h_r$= 165 ft.; $h_a$=201 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorm. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 17.1 | S. | 53 | S. | 5 | 1 | 5 | 0 | 6 | 19 | 16 | 11 | 4 | 0 | 5 | 5 | 21 | 17 | 11 | 10 | 7 | 0 | 1 | 10 | 0 | 21 | 1 | 0 |
| February | 15.0 | W. | 47 | NW. | 4 | 2 | 12 | 0 | 4 | 6 | 10 | 10 | 14 | 0 | 4 | 5 | 20 | 16 | 9 | 19 | 15 | 0 | 0 | 20 | 0 | 29 | 0 | 0 |
| March | 14.2 | NW. | 56 | SW. | 7 | 9 | 12 | 1 | 10 | 5 | 4 | 7 | 14 | 0 | 6 | 10 | 15 | 16 | 11 | 16 | 14 | 0 | 2 | 13 | 0 | 26 | 4 | 0 |
| April | 12.5 | W. | 42 | SW. | 1 | 4 | 7 | 2 | 9 | 5 | 9 | 13 | 11 | 0 | 6 | 10 | 14 | 17 | 12 | 2 | 2 | 0 | 2 | 0 | 0 | 6 | 3 | 0 |
| May | 13.2 | W. | 48 | SW. | 2 | 2 | 12 | 1 | 5 | 8 | 14 | 11 | 9 | 0 | 3 | 17 | 11 | 11 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 |
| June | 10.8 | S. | 39 | W. | 0 | 5 | 6 | 2 | 10 | 15 | 7 | 10 | 5 | 0 | 6 | 13 | 11 | 15 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 |
| July | 9.4 | NE. | 44 | NW. | 2 | 4 | 17 | 5 | 5 | 15 | 9 | 0 | 7 | 0 | 13 | 14 | 4 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 6 | 0 |
| August | 10.2 | S. | 48 | N. | 2 | 7 | 14 | 3 | 8 | 12 | 12 | 2 | 4 | 0 | 14 | 14 | 3 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 5 | 1 |
| September | 13.8 | S. | 42 | W. | 1 | 4 | 5 | 2 | 7 | 20 | 9 | 3 | 10 | 0 | 9 | 14 | 7 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 7 | 0 |
| October | 14.1 | SW. | 48 | NW. | 5 | 1 | 4 | 3 | 13 | 18 | 17 | 0 | 6 | 0 | 12 | 11 | 8 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 17.0 | SW. | 54 | W. | 3 | 1 | 3 | 5 | 4 | 17 | 18 | 7 | 5 | 0 | 11 | 4 | 15 | 12 | 9 | 6 | 5 | 0 | 0 | 2 | 0 | 10 | 1 | 0 |
| December | 15.7 | SW. | 49 | NE. | 5 | 1 | 1 | 1 | 7 | 15 | 24 | 8 | 5 | 0 | 4 | 9 | 18 | 19 | 14 | 16 | 14 | 0 | 0 | 13 | 0 | 23 | 2 | 0 |
| Year | 13.6 | S. | 56 | SW. | 37 | 41 | 98 | 25 | 88 | 155 | 149 | 82 | 94 | 0 | 93 | 126 | 147 | 151 | 102 | 69 | 57 | 2 | 7 | 58 | 6 | 115 | 40 | 1 |

COLON, PANAMA.

[$H_b$=25 ft.; $h_t$=—ft.; $h_r$=—ft.; $h_a$= — ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorm. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.2 | NE. | 33 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 20 | 6 | 5 | 11 | 5 | .... | .... | .... | 0 | 0 | 0 | 0 | 2 | 0 |
| February | 16.6 | NE. | 33 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 8 | 15 | 6 | 22 | 11 | .... | .... | .... | 0 | 0 | 0 | 0 | 0 | 0 |
| March | 14.7 | N. | 33 | N. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 16 | 13 | 2 | 19 | 14 | .... | .... | .... | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 11.7 | N. | 31 | NE. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 4 | 18 | 8 | 12 | 10 | .... | .... | .... | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 7.8 | SE. | 31 | NW. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 14 | 17 | 21 | 16 | .... | .... | .... | 0 | 0 | 3 | 0 | 9 | 0 |
| June | 7.7 | SE. | 26 | SW. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 5 | 25 | 24 | 20 | .... | .... | .... | 0 | 0 | 1 | 0 | 12 | 0 |
| July | 5.8 | SE. | 23 | NE. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 | 13 | 17 | 20 | 18 | .... | .... | .... | 0 | 0 | 1 | 0 | 10 | 0 |
| August | 6.5 | SE. | 32 | S. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 11 | 20 | 21 | 18 | .... | .... | .... | 0 | 0 | 1 | 0 | 9 | 0 |
| September | 6.8 | SE. | 31 | NE. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 0 | 7 | 23 | 25 | 22 | .... | .... | .... | 0 | 0 | 1 | 0 | 9 | 0 |
| October | 7.8 | SE. | 33 | W. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 3 | 6 | 22 | 23 | 20 | .... | .... | .... | 0 | 0 | 0 | 0 | 5 | 0 |
| November | 9.6 | SE. | 38 | W. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 | 10 | 19 | 23 | 19 | .... | .... | .... | 0 | 0 | 1 | 0 | 4 | 0 |
| December | 12.7 | NW. | 33 | NW. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 9 | 15 | 7 | 17 | 15 | .... | .... | .... | 0 | 0 | 0 | 0 | 1 | 0 |
| Year | 10.2 | SE. | 38 | W. | 0 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 62 | 133 | 171 | 238 | 188 | .... | .... | .... | 0 | 0 | 8 | 0 | 64 | 0 |

COLUMBIA, MO.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorm. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.8 | SE. | 32 | NW. | 0 | 2 | 3 | 2 | 8 | 5 | 3 | 4 | 4 | 0 | 7 | 4 | 20 | 15 | 13 | 7 | 3 | 1 | 1 | 10 | 0 | 25 | 4 | 0 |
| February | 8.8 | NW. | 42 | NW. | 1 | 2 | 3 | 0 | 4 | 2 | 4 | 1 | 11 | 2 | 8 | 8 | 13 | 7 | 3 | 10 | 6 | 0 | 1 | 8 | 0 | 25 | 0 | 0 |
| March | 10.5 | N. | 40 | W. | 1 | 7 | 2 | 4 | 6 | 7 | 2 | 1 | 2 | 0 | 7 | 12 | 12 | 8 | 7 | 8 | 5 | 0 | 0 | 3 | 0 | 14 | 2 | 0 |
| April | 9.2 | NW. | 38 | W. | 0 | 4 | 4 | 2 | 3 | 6 | 4 | 4 | 3 | 0 | 5 | 8 | 17 | 14 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 5 | 0 |
| May | 8.5 | S. | 36 | W. | 0 | 4 | 3 | 4 | 7 | 6 | 4 | 1 | 1 | 1 | 11 | 6 | 14 | 16 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| June | 7.5 | W. | 36 | W. | 0 | 2 | 2 | 5 | 7 | 3 | 1 | 5 | 3 | 2 | 9 | 13 | 8 | 11 | 8 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 5 | 0 |
| July | 4.7 | SE. | 27 | SE. | 0 | 1 | 7 | 4 | 10 | 2 | 2 | 0 | 2 | 3 | 21 | 9 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 9 | 0 |
| August | 6.2 | SE. | 22 | N. | 0 | 2 | 3 | 5 | 11 | 7 | 1 | 0 | 1 | 1 | 19 | 7 | 5 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 10 | 0 |
| September | 6.7 | S. | 28 | W. | 0 | 3 | 2 | 4 | 8 | 6 | 0 | 2 | 3 | 2 | 15 | 6 | 9 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 3 | 0 |
| October | 7.6 | SE. | 30 | W. | 0 | 2 | 3 | 4 | 13 | 2 | 1 | 3 | 3 | 0 | 14 | 6 | 11 | 7 | 6 | 1 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 |
| November | 9.5 | S. | 33 | SW. | 0 | 1 | 3 | 1 | 5 | 8 | 3 | 3 | 6 | 0 | 18 | 4 | 8 | 6 | 4 | 1 | 0 | 0 | 1 | 3 | 0 | 7 | 1 | 0 |
| December | 9.2 | SE. | 30 | W. | 0 | 5 | 2 | 2 | 5 | 8 | 4 | 2 | 3 | 0 | 9 | 9 | 13 | 9 | 4 | 9 | 5 | 0 | 0 | 11 | 0 | 24 | 2 | 0 |
| Year | 8.2 | SE. | 42 | NW. | 2 | 35 | 37 | 37 | 87 | 62 | 29 | 26 | 42 | 11 | 143 | 92 | 131 | 109 | 78 | 38 | 21 | 3 | 6 | 35 | 50 | 100 | 53 | 0 |

COLUMBIA, S. C.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorm. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.0 | NE. | 35 | SW. | 0 | 8 | 20 | 4 | 5 | 10 | 12 | 1 | 2 | 0 | 7 | 9 | 15 | 11 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 6 | 0 | 0 |
| February | 8.1 | N. | 30 | W. | 0 | 12 | 9 | 3 | 4 | 7 | 10 | 9 | 4 | 0 | 19 | 2 | 8 | 10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 |
| March | 10.7 | SW. | 46 | SW. | 1 | 3 | 9 | 5 | 3 | 2 | 20 | 13 | 7 | 0 | 18 | 7 | 6 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 0 |
| April | 8.3 | W. | 34 | SW. | 0 | 7 | 9 | 3 | 4 | 9 | 11 | 12 | 5 | 0 | 14 | 12 | 4 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 7.9 | SW. | 33 | SW. | 0 | 3 | 9 | 3 | 8 | 12 | 14 | 5 | 8 | 0 | 17 | 8 | 6 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 3 | 0 |
| June | 7.0 | W. | 30 | SW. | 0 | 4 | 7 | 8 | 1 | 12 | 11 | 12 | 4 | 1 | 7 | 12 | 11 | 11 | 6 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 9 | 0 |
| July | 6.7 | E. | 35 | N. | 0 | 2 | 9 | 17 | 7 | 13 | 8 | 4 | 1 | 1 | 2 | 10 | 19 | 19 | 15 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 11 | 0 |
| August | 5.8 | NE. | 26 | S. | 0 | 4 | 16 | 8 | 5 | 10 | 6 | 13 | 0 | 0 | 11 | 12 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 9 | 0 |
| September | 6.5 | NE. | 22 | NE. | 0 | 5 | 25 | 7 | 6 | 6 | 0 | 7 | 4 | 0 | 15 | 11 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 0 |
| October | 8.2 | NE. | 34 | SW. | 0 | 11 | 29 | 2 | 1 | 5 | 4 | 5 | 5 | 0 | 13 | 9 | 9 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 6.0 | NE. | 32 | SW. | 0 | 8 | 22 | 5 | 2 | 5 | 7 | 4 | 7 | 0 | 17 | 5 | 8 | 5 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 0 | 0 |
| December | 7.3 | E. | 34 | W. | 0 | 10 | 11 | 12 | 1 | 5 | 7 | 10 | 6 | 0 | 16 | 4 | 11 | 13 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 1 | 0 |
| Year | 7.5 | NE. | 46 | SW. | 1 | 77 | 175 | 77 | 47 | 96 | 110 | 95 | 53 | 2 | 156 | 101 | 109 | 105 | 75 | 1 | 0 | 1 | 6 | 0 | 46 | 31 | 47 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

COLUMBUS, OHIO.

[$\phi$=39° 58′ N.; $\lambda$=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 | 29.307 | 29.730 | 28.730 | 31.7 | 38.2 | 45.4 | 26.6 | 36.0 | 68 | −4 | 28 | 32 | 86 | 78 | 0.179 | 0.210 | 5.02 | 1.21 | 7.7 | 6.7 | 6.7 |
| February | 29.226 | 29.790 | 28.650 | 23.2 | 29.2 | 34.5 | 19.1 | 26.8 | 58 | 0 | 19 | 22 | 83 | 74 | .111 | .125 | 1.47 | .65 | 7.3 | 6.6 | 7.3 |
| March | 29.073 | 29.510 | 28.200 | 29.7 | 39.3 | 44.7 | 26.3 | 35.5 | 80 | 6 | 26 | 30 | 83 | 69 | .155 | .183 | 4.88 | 1.86 | 5.9 | 5.6 | 5.2 |
| April | 29.088 | 29.360 | 28.700 | 45.6 | 53.0 | 58.2 | 41.6 | 49.9 | 79 | 29 | 40 | 41 | 81 | 66 | .256 | .272 | 2.33 | .93 | 6.5 | 7.4 | 5.9 |
| May | 29.076 | 29.436 | 28.730 | 58.7 | 66.1 | 72.2 | 52.9 | 62.6 | 87 | 41 | 53 | 52 | 81 | 62 | .414 | .412 | 4.81 | 1.85 | 5.7 | 7.2 | 4.3 |
| June | 29.043 | 29.440 | 28.620 | 62.2 | 69.8 | 75.0 | 56.8 | 65.9 | 86 | 49 | 57 | 56 | 83 | 63 | .466 | .454 | 3.49 | .96 | 5.1 | 6.7 | 3.9 |
| July | 29.143 | 29.380 | 28.870 | 73.6 | 81.4 | 89.2 | 67.9 | 78.6 | 98 | 58 | 66 | 66 | 77 | 62 | .639 | .649 | .66 | .22 | 2.9 | 5.3 | 2.4 |
| August | 29.167 | 29.370 | 28.960 | 70.0 | 79.2 | 86.2 | 65.5 | 75.8 | 96 | 54 | 63 | 62 | 79 | 57 | .594 | .581 | 3.22 | .68 | 4.4 | 4.9 | 3.3 |
| September | 29.207 | 29.480 | 28.880 | 57.2 | 66.7 | 74.7 | 53.1 | 63.9 | 90 | 35 | 50 | 50 | 77 | 58 | .383 | .396 | 1.54 | .48 | 4.1 | 2.7 | 3.5 |
| October | 29.250 | 29.550 | 28.580 | 47.8 | 58.2 | 66.4 | 43.9 | 55.2 | 86 | 35 | 41 | 42 | 77 | 57 | .272 | .280 | 1.84 | .88 | 4.2 | 2.8 | 3.8 |
| November | 29.254 | 29.550 | 28.440 | 37.8 | 45.5 | 52.8 | 34.1 | 43.4 | 72 | 15 | 32 | 34 | 80 | 64 | .194 | .204 | 1.58 | .82 | 4.6 | 3.0 | 3.8 |
| December | 29.144 | 29.650 | 28.670 | 25.7 | 32.4 | 38.3 | 22.5 | 30.4 | 63 | 0 | 21 | 25 | 81 | 73 | .124 | .147 | 3.59 | 1.26 | 6.3 | 4.5 | 5.4 |
| Year | 29.165 | 29.790 | 28.200 | 46.9 | 54.9 | 61.5 | 42.5 | 52.0 | 98 | −4 | 41 | 43 | 81 | 65 | .316 | .326 | 34.43 | 1.86 | 5.4 | 5.3 | 4.6 |

CONCORD, N.H.

[$\phi$=43° 12′ N.; $\lambda$=71° 32′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.840 | 30.340 | 29.090 | 21.7 | ..... | 35.5 | 16.2 | 25.8 | 62 | −9 | 15 | .... | 75 | .... | 0.114 | ..... | 1.22 | 0.47 | 5.3 | ..... | 5.4 |
| February | 29.643 | 30.250 | 28.530 | 16.4 | ..... | 29.1 | 16.4 | 20.0 | 55 | −15 | 10 | .... | 73 | .... | .090 | ..... | 4.18 | 1.55 | 6.2 | ..... | 5.6 |
| March | 29.565 | 29.910 | 28.810 | 21.8 | ..... | 35.8 | 16.4 | 26.1 | 65 | −2 | 14 | .... | 72 | .... | .090 | ..... | 3.01 | .79 | 5.1 | ..... | 4.1 |
| April | 29.596 | 29.950 | 28.990 | 41.1 | ..... | 51.9 | 34.2 | 43.0 | 70 | 25 | 33 | .... | 74 | .... | .191 | ..... | 2.96 | .76 | 7.4 | ..... | 6.4 |
| May | 29.577 | 29.978 | 28.910 | 53.5 | ..... | 66.2 | 44.7 | 55.4 | 84 | 35 | 43 | .... | 70 | .... | .287 | ..... | 3.95 | 2.77 | 6.1 | ..... | 5.3 |
| June | 29.646 | 29.893 | 29.330 | 59.5 | ..... | 69.7 | 50.7 | 60.2 | 83 | 42 | 52 | .... | 77 | .... | .391 | ..... | 6.26 | 1.07 | 5.9 | ..... | 5.8 |
| July | 29.680 | 30.060 | 29.210 | 69.1 | ..... | 81.5 | 61.8 | 71.6 | 94 | 49 | 64 | .... | 84 | .... | .601 | ..... | 4.55 | 1.47 | 7.6 | ..... | 5.7 |
| August | 29.669 | 29.948 | 29.280 | 64.2 | ..... | 80.7 | 56.7 | 68.7 | 94 | 44 | 59 | .... | 84 | .... | .509 | ..... | 3.45 | 2.17 | 3.4 | ..... | 3.4 |
| September | 29.728 | 30.239 | 29.330 | 54.7 | ..... | 70.7 | 47.7 | 59.2 | 87 | 36 | 50 | .... | 85 | .... | .379 | ..... | 4.37 | 2.39 | 4.0 | ..... | 4.3 |
| October | 29.822 | 30.270 | 29.170 | 44.5 | ..... | 62.7 | 36.5 | 49.6 | 83 | 27 | 39 | .... | 82 | .... | .252 | ..... | 1.34 | 1.20 | 3.7 | ..... | 5.0 |
| November | 29.769 | 30.231 | 28.770 | 31.7 | ..... | 45.5 | 26.5 | 36.0 | 69 | 12 | 27 | .... | 82 | .... | .152 | ..... | 2.63 | .99 | 5.2 | ..... | 6.6 |
| December | 29.585 | 30.140 | 28.520 | 22.6 | ..... | 31.6 | 19.3 | 25.4 | 48 | 2 | 15 | .... | 73 | .... | .096 | ..... | 2.21 | .86 | 4.8 | ..... | 5.0 |
| Year | 29.677 | 30.340 | 28.520 | 41.7 | ..... | 55.1 | 35.1 | 45.1 | 94 | −15 | 35 | .... | 78 | .... | .263 | ..... | 40.13 | 2.77 | 5.4 | ..... | 5.2 |

CONCORDIA, KANS.

[$\phi$=39° 35′ N.; $\lambda$=97° 41′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.641 | 29.180 | 27.950 | 17.4 | 22.4 | 29.6 | 13.4 | 21.5 | 68 | −16 | 15 | 18 | 90 | 83 | 0.101 | 0.114 | 1.34 | 0.31 | 6.2 | 5.1 | 7.0 |
| February | 28.715 | 29.210 | 28.250 | 22.0 | 31.3 | 37.6 | 18.8 | 28.2 | 66 | −5 | 19 | 24 | 86 | 73 | .108 | .135 | .41 | .28 | 4.0 | 4.2 | 4.9 |
| March | 28.474 | 29.070 | 27.810 | 34.3 | 51.2 | 57.7 | 31.3 | 44.5 | 86 | −3 | 27 | 30 | 75 | 49 | .152 | .175 | .37 | .19 | 5.4 | 5.9 | 6.2 |
| April | 28.520 | 28.890 | 27.870 | 42.0 | 55.5 | 60.8 | 39.7 | 50.2 | 85 | 24 | 36 | 37 | 80 | 52 | .219 | .230 | 1.82 | .67 | 6.6 | 6.4 | 7.4 |
| May | 28.378 | 28.700 | 27.900 | 55.3 | 69.9 | 74.5 | 52.0 | 63.2 | 94 | 36 | 47 | 49 | 76 | 52 | .341 | .380 | 3.99 | 1.47 | 5.0 | 5.0 | 5.4 |
| June | 28.436 | 28.690 | 28.120 | 62.5 | 75.6 | 79.5 | 58.8 | 69.2 | 90 | 48 | 57 | 57 | 82 | 56 | .473 | .492 | 4.66 | 1.69 | 4.8 | 4.8 | 5.3 |
| July | 28.515 | 28.760 | 28.270 | 73.1 | 88.7 | 92.8 | 69.6 | 81.2 | 98 | 60 | 64 | 64 | 75 | 45 | .610 | .592 | .82 | .71 | 3.3 | 2.2 | 2.9 |
| August | 28.512 | 28.810 | 28.183 | 69.3 | 85.0 | 90.5 | 66.9 | 78.7 | 103 | 50 | 61 | 59 | 76 | 45 | .547 | .524 | 1.21 | .62 | 5.9 | 3.2 | 5.0 |
| September | 28.538 | 28.890 | 28.041 | 56.6 | 72.4 | 79.8 | 54.7 | 67.2 | 100 | 32 | 50 | 50 | 79 | 47 | .385 | .384 | 2.70 | 1.84 | 3.7 | 3.5 | 4.1 |
| October | 28.558 | 29.080 | 28.160 | 46.5 | 60.1 | 67.7 | 44.5 | 56.1 | 91 | 21 | 38 | 41 | 75 | 53 | .243 | .272 | 1.06 | .49 | 4.3 | 4.2 | 4.5 |
| November | 28.610 | 29.050 | 28.140 | 34.3 | 45.3 | 54.2 | 31.4 | 42.8 | 81 | 6 | 29 | 30 | 80 | 58 | .167 | .173 | .77 | .41 | 2.7 | 3.3 | 3.9 |
| December | 28.494 | 29.010 | 27.920 | 19.2 | 27.7 | 37.2 | 14.1 | 25.6 | 69 | −14 | 14 | 20 | 80 | 73 | .087 | .115 | .88 | .28 | 3.1 | 3.8 | 5.8 |
| Year | 28.533 | 29.210 | 27.810 | 44.4 | 57.1 | 63.5 | 41.3 | 52.4 | 103 | −16 | 38 | 40 | 80 | 57 | .286 | .299 | 20.03 | 1.84 | 4.6 | 4.3 | 5.2 |

CORPUS CHRISTI, TEX.

[$\phi$=27° 49′ N.; $\lambda$=97° 25′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.066 | 30.550 | 29.600 | 58.7 | 60.5 | 67.1 | 53.8 | 60.4 | 77 | 26 | 56 | 56 | 90 | 85 | 0.499 | 0.490 | 0.31 | 0.08 | 7.4 | 4.7 | 6.8 |
| February | 30.136 | 30.600 | 29.580 | 54.3 | 62.4 | 67.5 | 53.3 | 60.4 | 87 | 29 | 50 | 54 | 87 | 76 | .398 | .445 | .07 | .06 | 5.4 | 3.9 | 5.5 |
| March | 29.988 | 30.470 | 29.470 | 63.2 | 70.0 | 75.9 | 61.8 | 68.8 | 90 | 50 | 56 | 58 | 80 | 70 | .480 | .515 | .00 | .00 | 4.2 | 2.1 | 4.8 |
| April | 29.952 | 30.470 | 29.590 | 65.9 | 71.3 | 75.2 | 64.1 | 69.6 | 84 | 50 | 60 | 62 | 83 | 74 | .545 | .569 | .63 | .35 | 5.3 | 5.0 | 5.8 |
| May | 29.860 | 30.100 | 29.560 | 73.6 | 77.2 | 80.7 | 72.3 | 76.5 | 88 | 62 | 69 | 70 | 86 | 80 | .723 | .748 | .60 | .41 | 6.1 | 4.4 | 6.0 |
| June | 29.859 | 30.030 | 29.550 | 78.8 | 81.9 | 86.5 | 77.3 | 81.9 | 95 | 70 | 74 | 75 | 84 | 80 | .827 | .875 | 1.98 | 1.12 | 4.8 | 3.1 | 5.0 |
| July | 29.898 | 30.060 | 29.733 | 78.7 | 83.6 | 88.4 | 77.0 | 82.7 | 94 | 72 | 75 | 75 | 89 | 76 | .872 | .872 | 4.57 | 1.59 | 5.6 | 6.5 | 6.7 |
| August | 29.936 | 30.200 | 29.050 | 78.7 | 83.1 | 87.7 | 77.4 | 82.6 | 92 | 73 | 75 | 75 | 89 | 77 | .869 | .868 | 4.84 | 2.41 | 5.8 | 5.8 | 6.3 |
| September | 29.960 | 30.290 | 29.760 | 74.9 | 81.5 | 84.7 | 74.0 | 79.4 | 89 | 65 | 70 | 70 | 86 | 69 | .751 | .751 | 1.15 | .57 | 3.9 | 3.9 | 5.0 |
| October | 30.011 | 30.310 | 29.720 | 68.7 | 75.3 | 79.4 | 67.5 | 73.4 | 92 | 49 | 64 | 64 | 86 | 70 | .624 | .626 | .06 | .04 | 2.8 | 3.1 | 4.0 |
| November | 30.131 | 30.600 | 29.820 | 57.2 | 65.3 | 71.3 | 54.9 | 63.1 | 82 | 34 | 54 | 57 | 89 | 75 | .450 | .494 | .62 | .53 | 3.3 | 2.1 | 4.4 |
| December | 30.004 | 30.510 | 29.590 | 54.5 | 61.4 | 68.2 | 51.6 | 59.9 | 83 | 30 | 50 | 52 | 85 | 75 | .407 | .448 | .77 | .73 | 6.4 | 3.0 | 6.4 |
| Year | 29.983 | 30.600 | 29.050 | 67.3 | 72.8 | 77.7 | 65.4 | 71.6 | 95 | 26 | 63 | 64 | 86 | 76 | .620 | .642 | 15.60 | 2.41 | 5.1 | 4.0 | 5.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

COLUMBUS, OHIO.

[$H_b$=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. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 13.4 | S. | 46 | W. | 2 | 2 | 3 | 4 | 9 | 16 | 10 | 6 | 12 | 0 | 6 | 9 | 16 | 16 | 13 | 9 | 4 | 0 | 3 | 7 | 0 | 18 | 1 | 0 |
| February | 12.7 | NW. | 44 | NW. | 3 | 9 | 2 | 3 | 4 | 7 | 5 | 10 | 18 | 0 | 4 | 10 | 15 | 8 | 6 | 12 | 6 | 0 | 0 | 11 | 0 | 28 | 0 | 0 |
| March | 13.2 | NW. | 70 | W. | 3 | 9 | 4 | 7 | 9 | 2 | 11 | 6 | 14 | 0 | 10 | 11 | 10 | 14 | 13 | 7 | 7 | 0 | 0 | 7 | 0 | 21 | 5 | 0 |
| April | 12.2 | NW. | 51 | NW. | 4 | 4 | 5 | 6 | 4 | 4 | 15 | 2 | 18 | 2 | 9 | 9 | 12 | 15 | 10 | 3 | 3 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| May | 11.5 | SW. | 52 | NW. | 3 | 6 | 4 | 4 | 5 | 10 | 13 | 7 | 13 | 0 | 17 | 7 | 7 | 16 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 9.7 | SW. | 40 | W. | 1 | 6 | 5 | 4 | 11 | 12 | 12 | 3 | 7 | 0 | 17 | 9 | 4 | 13 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 13 | 0 |
| July | 7.7 | E. | 78 | NW. | 1 | 9 | 12 | 10 | 15 | 5 | 2 | 1 | 4 | 4 | 23 | 7 | 1 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 11 | 0 |
| August | 7.3 | SW. | 32 | N. | 0 | 10 | 6 | 5 | 9 | 8 | 14 | 5 | 4 | 1 | 19 | 9 | 3 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 | 1 |
| September | 10.6 | SW. | 42 | W. | 1 | 8 | 3 | 2 | 8 | 10 | 12 | 7 | 9 | 1 | 17 | 6 | 7 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| October | 9.9 | SW. | 46 | NW. | 2 | 6 | 1 | 8 | 16 | 7 | 17 | 1 | 6 | 0 | 17 | 6 | 8 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 12.7 | SW. | 48 | W. | 2 | 2 | 3 | 4 | 7 | 12 | 15 | 7 | 9 | 1 | 17 | 4 | 9 | 8 | 6 | 3 | 1 | 0 | 2 | 2 | 0 | 9 | 1 | 0 |
| December | 12.7 | SW. | 50 | W. | 5 | 4 | 0 | 2 | 13 | 10 | 10 | 12 | 11 | 0 | 13 | 6 | 12 | 15 | 12 | 14 | 9 | 0 | 1 | 11 | 0 | 24 | 1 | 0 |
| Year | 11.1 | SW. | 78 | NW. | 27 | 75 | 48 | 59 | 110 | 103 | 136 | 67 | 125 | 9 | 169 | 93 | 104 | 140 | 108 | 48 | 30 | 1 | 7 | 38 | 23 | 104 | 60 | 1 |

CONCORD, N. H.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 5.6 | NW. | 28 | NW. | 0 | 2 | 4 | 1 | 3 | 2 | 3 | 6 | 5 | 5 | 12 | 7 | 12 | 8 | 7 | 7 | 4 | 0 | 1 | 14 | 0 | 27 | 0 | 0 |
| February | 6.3 | W. | 31 | W. | 0 | 2 | 8 | 0 | 0 | 3 | 1 | 7 | 4 | 4 | 9 | 10 | 10 | 13 | 10 | 18 | 12 | 0 | 1 | 18 | 0 | 28 | 0 | 0 |
| March | 6.5 | NW. | 26 | NW. | 0 | 4 | 4 | 1 | 2 | 0 | 0 | 5 | 12 | 3 | 17 | 6 | 8 | 10 | 9 | 16 | 10 | 0 | 0 | 18 | 0 | 30 | 0 | 0 |
| April | 6.3 | NW. | 26 | E. | 0 | 11 | 6 | 2 | 3 | 0 | 0 | 1 | 7 | 0 | 9 | 5 | 16 | 15 | 13 | 5 | 5 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| May | 5.9 | NW. | 39 | W. | 0 | 4 | 4 | 2 | 5 | 0 | 2 | 5 | 5 | 4 | 10 | 13 | 8 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| June | 5.1 | NW. | 25 | NW. | 0 | 5 | 3 | 4 | 5 | 2 | 3 | 1 | 6 | 1 | 9 | 9 | 12 | 19 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 |
| July | 4.0 | S. | 20 | NW. | 0 | 4 | 2 | 2 | 5 | 6 | 2 | 5 | 3 | 2 | 10 | 10 | 11 | 12 | 12 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 7 | 0 |
| August | 4.1 | S. | 21 | W. | 0 | 10 | 3 | 4 | 2 | 5 | 3 | 2 | 2 | 0 | 18 | 9 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0 |
| September | 4.7 | SE. | 23 | NW. | 0 | 8 | 1 | 1 | 8 | 3 | 1 | 1 | 7 | 0 | 16 | 7 | 7 | 8 | 6 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 0 |
| October | 5.1 | N. | 40 | W. | 1 | 4 | 3 | 2 | 6 | 1 | 3 | 3 | 9 | 6 | 14 | 7 | 10 | 7 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 13 | 0 | 0 |
| November | 5.0 | N. | 33 | W. | 0 | 5 | 6 | 2 | 3 | 1 | 3 | 5 | 5 | 0 | 6 | 6 | 18 | 13 | 11 | 7 | 6 | 0 | 5 | 6 | 0 | 22 | 0 | 0 |
| December | 7.1 | NW. | 32 | NW. | 0 | 7 | 3 | 1 | 1 | 1 | 2 | 2 | 12 | 2 | 14 | 6 | 11 | 11 | 8 | 8 | 7 | 0 | 1 | 17 | 0 | 27 | 0 | 0 |
| Year | 5.5 | NW. | 40 | W. | 1 | 66 | 47 | 22 | 43 | 24 | 23 | 43 | 77 | 21 | 144 | 95 | 127 | 135 | 104 | 61 | 44 | 2 | 20 | 73 | 7 | 160 | 22 | 0 |

CONCORDIA, KANS.

[$H_b$=1,392 ft.; $h_t$=50 ft.; $h_r$=42 ft.; $h_a$=58 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.4 | NW. | 32 | NW. | 0 | 11 | 7 | 2 | 9 | 11 | 4 | 2 | 15 | 1 | 5 | 11 | 15 | 14 | 11 | 14 | 12 | 0 | 3 | 17 | 0 | 27 | 1 | 0 |
| February | 7.1 | NW. | 29 | NW. | 0 | 9 | 8 | 2 | 8 | 10 | 6 | 5 | 10 | 0 | 12 | 8 | 9 | 3 | 2 | 5 | 3 | 0 | 3 | 11 | 0 | 25 | 0 | 0 |
| March | 10.5 | NW. | 52 | NW. | 3 | 9 | 3 | 6 | 11 | 6 | 5 | 6 | 16 | 0 | 5 | 15 | 11 | 4 | 3 | 4 | 3 | 0 | 0 | 3 | 0 | 17 | 0 | 0 |
| April | 9.9 | NW. | 37 | NW. | 0 | 10 | 11 | 6 | 1 | 11 | 4 | 5 | 11 | 1 | 1 | 14 | 15 | 9 | 9 | 3 | 2 | 1 | 0 | 0 | 0 | 6 | 1 | 0 |
| May | 9.5 | SE. | 32 | S. | 0 | 3 | 7 | 8 | 12 | 14 | 2 | 6 | 10 | 0 | 8 | 15 | 8 | 10 | 8 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 7 | 0 |
| June | 7.9 | NW. | 31 | S. | 0 | 7 | 4 | 13 | 8 | 7 | 4 | 3 | 14 | 0 | 7 | 16 | 7 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 |
| July | 6.6 | S. | 34 | NW. | 0 | 2 | 1 | 15 | 24 | 13 | 2 | 1 | 1 | 3 | 19 | 10 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 5 | 0 |
| August | 8.1 | S. | 22 | S. | 0 | 8 | 9 | 6 | 11 | 21 | 1 | 3 | 2 | 1 | 10 | 15 | 6 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 6 | 0 |
| September | 8.4 | S. | 32 | E. | 0 | 7 | 4 | 5 | 10 | 23 | 1 | 5 | 4 | 1 | 12 | 14 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 3 | 0 |
| October | 9.6 | S. | 32 | S. | 0 | 5 | 9 | 2 | 8 | 19 | 5 | 5 | 9 | 0 | 13 | 9 | 9 | 4 | 4 | 1 | 1 | 0 | 1 | 0 | 2 | 4 | 0 | 0 |
| November | 9.1 | NW. | 33 | S. | 0 | 10 | 4 | 5 | 2 | 11 | 8 | 6 | 13 | 1 | 15 | 10 | 5 | 3 | 2 | 3 | 2 | 0 | 0 | 3 | 0 | 19 | 1 | 0 |
| December | 8.2 | NW. | 36 | NW. | 0 | 8 | 3 | 4 | 8 | 7 | 10 | 8 | 14 | 0 | 8 | 12 | 11 | 6 | 5 | 8 | 6 | 0 | 0 | 14 | 0 | 26 | 1 | 0 |
| Year | 8.7 | S. | 52 | NW. | 3 | 89 | 70 | 74 | 112 | 153 | 52 | 55 | 119 | 8 | 115 | 149 | 102 | 80 | 62 | 38 | 29 | 2 | 7 | 48 | 53 | 125 | 35 | 0 |

CORPUS CHRISTI, TEX.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.2 | SE. | 50 | SE. | 3 | 16 | 4 | 9 | 26 | 4 | 0 | 0 | 3 | 0 | 4 | 11 | 16 | 11 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 0 |
| February | 10.9 | SE. | 42 | SE. | 1 | 9 | 3 | 8 | 25 | 4 | 3 | 2 | 4 | 0 | 6 | 16 | 7 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 |
| March | 16.2 | SE. | 42 | SE. | 2 | 7 | 0 | 5 | 32 | 13 | 1 | 1 | 3 | 0 | 9 | 17 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| April | 16.6 | SE. | 46 | SE. | 3 | 9 | 4 | 12 | 28 | 1 | 2 | 1 | 3 | 0 | 7 | 12 | 11 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | 17.4 | SE. | 46 | SE. | 3 | 6 | 3 | 7 | 38 | 5 | 1 | 0 | 2 | 0 | 3 | 19 | 9 | 5 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| June | 17.7 | SE. | 46 | SE. | 2 | 2 | 2 | 7 | 32 | 15 | 1 | 0 | 1 | 0 | 10 | 14 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 |
| July | 9.9 | SE. | 34 | SE. | 0 | 4 | 0 | 14 | 22 | 12 | 4 | 2 | 4 | 0 | 3 | 16 | 12 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 13 | 0 |
| August | 11.8 | SE. | 90 | E. | 4 | 4 | 1 | 8 | 30 | 10 | 3 | 3 | 2 | 1 | 3 | 19 | 9 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 0 |
| September | 12.0 | SE. | 36 | NE. | 0 | 3 | 11 | 4 | 26 | 5 | 5 | 3 | 2 | 1 | 8 | 16 | 6 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| October | 11.4 | SE. | 38 | N. | 0 | 5 | 9 | 2 | 32 | 4 | 3 | 2 | 2 | 3 | 14 | 12 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| November | 11.0 | SE. | 37 | N. | 0 | 8 | 6 | 1 | 22 | 4 | 1 | 1 | 11 | 2 | 12 | 11 | 7 | 5 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| December | 11.1 | SE. | 37 | NE. | 0 | 13 | 6 | 6 | 15 | 12 | 3 | 1 | 4 | 2 | 4 | 15 | 12 | 4 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 |
| Year | 13.4 | SE. | 90 | E. | 18 | 86 | 49 | 83 | 332 | 89 | 27 | 16 | 41 | 9 | 83 | 178 | 105 | 62 | 35 | 0 | 0 | 0 | 17 | 0 | 15 | 5 | 28 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

DALLAS, TEX.

[$\phi$=32° 46′ N.; $\lambda$=96° 47′ 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 | 29.578 | 30.070 | 28.970 | 42.7 | ..... | 55.9 | 37.3 | 46.6 | 79 | 9 | 38 | ..... | 84 | ..... | 0.273 | ..... | 5.88 | 2.66 | 8.3 | ..... | 8.2 |
| February | 29.641 | 30.070 | 29.189 | 41.1 | ..... | 59.2 | 37.7 | 48.4 | 82 | 18 | 34 | ..... | 77 | ..... | .213 | ..... | T. | T. | 4.2 | ..... | 4.9 |
| March | 29.437 | 30.020 | 28.900 | 52.0 | ..... | 74.9 | 49.2 | 62.0 | 96 | 24 | 38 | ..... | 62 | ..... | .260 | ..... | 2.33 | *3.38 | 5.6 | ..... | 4.4 |
| April | 29.430 | 29.872 | 28.980 | 55.8 | ..... | 71.3 | 53.8 | 62.6 | 85 | 35 | 50 | ..... | 81 | ..... | .377 | ..... | 5.15 | 1.26 | 5.8 | ..... | 5.9 |
| May | 29.345 | 29.590 | 29.090 | 65.5 | ..... | 81.9 | 63.3 | 72.6 | 95 | 48 | 60 | ..... | 85 | ..... | .539 | ..... | 3.63 | 2.30 | 6.3 | ..... | 4.9 |
| June | 29.337 | 29.530 | 28.960 | 72.3 | ..... | 89.8 | 69.8 | 79.8 | 96 | 60 | 66 | ..... | 82 | ..... | .651 | ..... | 4.08 | 1.83 | 5.6 | ..... | 4.6 |
| July | 29.389 | 29.630 | 29.190 | 76.6 | ..... | 95.1 | 74.9 | 85.0 | 101 | 70 | 68 | ..... | 76 | ..... | .687 | ..... | .53 | .22 | 3.9 | ..... | 4.9 |
| August | 29.448 | 29.670 | 29.260 | 75.3 | ..... | 93.9 | 73.9 | 83.9 | 100 | 66 | 68 | ..... | 78 | ..... | .688 | ..... | 2.68 | 1.98 | 4.1 | ..... | 4.8 |
| September | 29.470 | 29.840 | 29.130 | 68.1 | ..... | 88.3 | 66.8 | 77.6 | 96 | 45 | 60 | ..... | 76 | ..... | .549 | ..... | 1.31 | .45 | 3.2 | ..... | 3.4 |
| October | 29.498 | 29.800 | 29.120 | 58.3 | ..... | 79.6 | 55.9 | 67.8 | 90 | 34 | 51 | ..... | 79 | ..... | .405 | ..... | 3.75 | 2.80 | 3.6 | ..... | 3.8 |
| November | 29.606 | 30.010 | 29.290 | 46.0 | ..... | 66.2 | 43.0 | 54.6 | 85 | 22 | 39 | ..... | 77 | ..... | .265 | ..... | 2.47 | 1.94 | 3.0 | ..... | 3.4 |
| December | 29.466 | 29.830 | 28.910 | 40.1 | ..... | 59.4 | 36.0 | 47.7 | 80 | 14 | 32 | ..... | 71 | ..... | .206 | ..... | .08 | .06 | 4.4 | ..... | 4.7 |
| Year | 29.470 | 30.070 | 28.900 | 57.8 | ..... | 76.3 | 55.1 | 65.7 | 101 | 9 | 50 | ..... | 77 | ..... | .426 | ..... | 31.89 | 3.38 | 4.8 | ..... | 4.8 |

DAVENPORT, IOWA.

[$\phi$=41° 30′ N.; $\lambda$=90° 38′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.462 | 30.010 | 28.770 | 22.0 | 25.2 | 34.1 | 14.4 | 24.2 | 55 | −22 | 18 | 20 | 82 | 82 | 0.120 | 0.133 | 4.63 | 1.20 | 5.3 | 5.5 | 6.5 |
| February | 29.515 | 30.060 | 29.010 | 17.5 | 24.6 | 29.9 | 14.7 | 22.3 | 54 | − 9 | 13 | 19 | 83 | 77 | .085 | .109 | .37 | .27 | 5.2 | 5.2 | 5.4 |
| March | 29.306 | 29.760 | 28.510 | 29.6 | 39.6 | 44.8 | 26.9 | 35.8 | 72 | 9 | 25 | 29 | 81 | 66 | .142 | .174 | 2.47 | 1.35 | 6.1 | 6.4 | 6.5 |
| April | 29.303 | 29.680 | 28.830 | 43.1 | 52.4 | 58.5 | 40.2 | 49.4 | 79 | 23 | 36 | 38 | 76 | 58 | .223 | .236 | 2.45 | 1.15 | 6.7 | 7.2 | 7.1 |
| May | 29.219 | 29.620 | 28.770 | 56.2 | 66.2 | 70.2 | 52.4 | 61.3 | 85 | 37 | 48 | 50 | 75 | 58 | .359 | .386 | 3.52 | 1.36 | 4.7 | 5.8 | 6.2 |
| June | 29.204 | 29.550 | 28.777 | 61.0 | 70.6 | 74.9 | 56.7 | 65.8 | 92 | 49 | 54 | 56 | 80 | 61 | .432 | .457 | 3.19 | 1.29 | 4.6 | 5.9 | 6.0 |
| July | 29.331 | 29.550 | 29.080 | 74.8 | 88.3 | 94.1 | 71.1 | 82.6 | 104 | 59 | 65 | 65 | 73 | 48 | .636 | .629 | .46 | .36 | 1.4 | 3.4 | 2.3 |
| August | 29.341 | 29.600 | 29.120 | 69.2 | 81.4 | 87.6 | 66.2 | 76.9 | 98 | 50 | 62 | 62 | 78 | 53 | .572 | .578 | 1.25 | .87 | 3.3 | 4.1 | 4.5 |
| September | 29.350 | 29.690 | 28.840 | 56.5 | 66.6 | 74.5 | 53.4 | 64.0 | 92 | 33 | 50 | 52 | 81 | 61 | .397 | .426 | 2.82 | .91 | 3.7 | 3.9 | 4.2 |
| October | 29.388 | 29.890 | 28.710 | 46.3 | 56.3 | 63.7 | 43.9 | 53.8 | 86 | 29 | 40 | 42 | 81 | 62 | .260 | .284 | 3.52 | 1.06 | 4.3 | 4.3 | 4.7 |
| November | 29.408 | 29.760 | 28.690 | 35.9 | 42.6 | 50.1 | 32.3 | 41.2 | 76 | 8 | 30 | 34 | 80 | 72 | .179 | .205 | 1.45 | .73 | 4.4 | 3.9 | 4.9 |
| December | 29.327 | 29.980 | 28.819 | 18.2 | 24.6 | 30.8 | 13.8 | 22.3 | 66 | −11 | 14 | 18 | 84 | 75 | .098 | .109 | 1.44 | .43 | 4.2 | 5.1 | 5.3 |
| Year | 29.346 | 30.060 | 28.510 | 44.2 | 53.2 | 59.4 | 40.5 | 50.0 | 104 | −22 | 38 | 40 | 80 | 64 | .292 | .310 | 27.57 | 1.36 | 4.5 | 5.1 | 5.3 |

DAYTON, OHIO.

[$\phi$=39° 46′ N.; $\lambda$=84° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.199 | 29.620 | 28.620 | 32.7 | 37.5 | 45.6 | 27.3 | 36.4 | 67 | − 3 | 29 | 32 | 85 | 80 | 0.188 | 0.210 | 5.67 | 1.36 | 6.3 | 5.2 | 6.7 |
| February | 29.131 | 29.690 | 28.580 | 24.4 | 29.2 | 35.1 | 20.1 | 27.6 | 60 | 2 | 20 | 22 | 83 | 74 | .116 | .124 | 1.42 | .85 | 6.8 | 4.6 | 6.8 |
| March | 28.969 | 29.450 | 28.111 | 31.2 | 39.7 | 46.1 | 27.3 | 36.7 | 77 | 7 | 27 | 32 | 83 | 74 | .162 | .200 | 3.51 | 1.75 | 5.6 | 5.9 | 6.6 |
| April | 28.988 | 29.250 | 28.650 | 45.8 | 52.4 | 58.5 | 41.8 | 50.2 | 78 | 29 | 38 | 41 | 76 | 67 | .239 | .267 | 2.38 | .92 | 6.6 | 7.1 | 7.5 |
| May | 28.967 | 29.320 | 28.600 | 59.3 | 66.8 | 72.2 | 53.5 | 62.8 | 88 | 42 | 50 | 53 | 73 | 62 | .386 | .418 | 3.21 | 1.16 | 6.2 | 5.6 | 6.3 |
| June | 28.932 | 29.330 | 28.468 | 62.4 | 69.2 | 75.3 | 57.0 | 66.2 | 88 | 51 | 56 | 57 | 81 | 69 | .457 | .476 | 5.06 | 1.30 | 5.2 | 5.5 | 5.7 |
| July | 29.032 | 29.260 | 28.790 | 73.6 | 82.3 | 90.2 | 68.5 | 79.4 | 99 | 59 | 66 | 66 | 77 | 59 | .638 | .637 | .33 | .10 | 2.5 | 4.8 | 4.5 |
| August | 29.067 | 29.259 | 28.850 | 68.7 | 78.7 | 85.6 | 65.2 | 75.4 | 96 | 51 | 63 | 63 | 82 | 60 | .586 | .597 | 3.07 | 1.07 | 4.1 | 4.4 | 4.6 |
| September | 29.102 | 29.390 | 28.760 | 57.8 | 66.6 | 74.8 | 53.9 | 64.4 | 91 | 36 | 51 | 52 | 80 | 62 | .407 | .420 | 5.90 | 3.81 | 4.2 | 2.6 | 3.8 |
| October | 29.139 | 29.480 | 28.430 | 47.9 | 57.4 | 66.2 | 43.4 | 54.8 | 85 | 33 | 43 | 44 | 82 | 65 | .290 | .317 | 1.42 | .79 | 3.6 | 3.0 | 3.8 |
| November | 29.154 | 29.450 | 28.350 | 37.6 | 45.4 | 53.1 | 34.1 | 43.6 | 73 | 13 | 32 | 36 | 80 | 71 | .192 | .220 | 1.67 | .70 | 3.6 | 3.1 | 3.5 |
| December | 29.039 | 29.530 | 28.564 | 26.6 | 32.3 | 38.1 | 21.7 | 29.9 | 61 | 0 | 21 | 24 | 78 | 71 | .125 | .149 | 2.16 | .74 | 6.3 | 4.6 | 6.0 |
| Year | 29.060 | 29.600 | 28.111 | 47.3 | 54.8 | 61.7 | 42.8 | 52.3 | 99 | − 3 | 41 | 44 | 80 | 68 | .316 | .336 | 35.80 | 3.81 | 5.1 | 4.7 | 5.5 |

DEL RIO, TEX.

[$\phi$=29° 20′ N.; $\lambda$=100° 53′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.043 | 29.530 | 28.560 | 50.2 | ..... | 64.1 | 46.7 | 55.4 | 80 | 24 | 44 | ..... | 82 | ..... | 0.339 | ..... | 0.60 | 0.44 | 6.1 | ..... | 6.6 |
| February | 29.137 | 29.550 | 28.610 | 47.7 | ..... | 70.6 | 46.2 | 58.4 | 91 | 21 | 36 | ..... | 66 | ..... | .240 | ..... | .01 | .01 | 3.9 | ..... | 3.6 |
| March | 28.981 | 29.490 | 28.340 | 56.1 | ..... | 82.9 | 54.5 | 68.7 | 95 | 44 | 40 | ..... | 57 | ..... | .274 | ..... | .78 | .85 | 1.6 | ..... | 1.9 |
| April | 28.954 | 29.390 | 28.600 | 59.4 | ..... | 80.7 | 57.6 | 69.2 | 92 | 43 | 49 | ..... | 71 | ..... | .377 | ..... | .29 | .20 | 5.0 | ..... | 4.2 |
| May | 28.850 | 29.080 | 28.500 | 67.8 | ..... | 89.3 | 66.5 | 77.9 | 102 | 52 | 61 | ..... | 78 | ..... | .545 | ..... | 1.90 | 1.02 | 5.2 | ..... | 3.8 |
| June | 28.842 | 29.050 | 28.360 | 75.7 | ..... | 97.5 | 75.2 | 86.4 | 109 | 66 | 65 | ..... | 70 | ..... | .619 | ..... | .08 | .08 | 2.8 | ..... | 2.9 |
| July | 28.914 | 29.120 | 28.675 | 75.2 | ..... | 92.6 | 73.9 | 83.2 | 99 | 68 | 68 | ..... | 80 | ..... | .699 | ..... | 2.03 | 1.26 | 3.8 | ..... | 5.0 |
| August | 28.923 | 29.160 | 27.780 | 73.7 | ..... | 90.1 | 73.2 | 81.6 | 94 | 67 | 68 | ..... | 85 | ..... | .694 | ..... | 2.64 | 1.49 | 5.0 | ..... | 4.5 |
| September | 28.969 | 29.360 | 28.710 | 69.8 | ..... | 84.5 | 68.9 | 76.7 | 91 | 54 | 64 | ..... | 82 | ..... | .614 | ..... | 2.11 | 1.78 | 5.0 | ..... | 3.4 |
| October | 29.019 | 29.340 | 28.739 | 60.8 | ..... | 80.5 | 60.0 | 70.2 | 88 | 41 | 54 | ..... | 80 | ..... | .450 | ..... | .42 | .32 | 4.0 | ..... | 2.7 |
| November | 29.132 | 29.600 | 28.800 | 48.9 | ..... | 69.6 | 45.8 | 57.7 | 83 | 25 | 43 | ..... | 79 | ..... | .310 | ..... | .21 | .14 | 4.0 | ..... | 3.0 |
| December | 29.015 | 29.413 | 28.512 | 41.6 | ..... | 63.7 | 39.3 | 51.5 | 81 | 22 | 31 | ..... | 66 | ..... | .206 | ..... | .06 | .02 | 3.5 | ..... | 3.5 |
| Year | 28.982 | 29.600 | 27.780 | 60.6 | ..... | 80.5 | 59.0 | 69.7 | 109 | 21 | 52 | ..... | 75 | ..... | .447 | ..... | 11.13 | 1.78 | 4.2 | ..... | 3.8 |

* Occurred March 31–April 1.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

DALLAS, TEX.

[$H_b$=512 ft.; $h_t$=109 ft.; $h_r$=92 ft.; $h_a$=117 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.1 | NW. | 41 | S. | 1 | 3 | 3 | 2 | 9 | 3 | 1 | 1 | 9 | 0 | 3 | 6 | 22 | 13 | 9 | 5 | 1 | 0 | 2 | 2 | 0 | 12 | 6 | 0 |
| February | 9.5 | NW. | 34 | S. | 0 | 2 | 4 | 3 | 6 | 2 | 0 | 2 | 10 | 0 | 11 | 9 | 9 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 0 | 7 | 0 | 0 |
| March | 13.0 | SE. | 48 | W. | 1 | 4 | 2 | 2 | 12 | 5 | 1 | 2 | 3 | 0 | 12 | 11 | 8 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 5 | 0 |
| April | 12.2 | SE. | 37 | SE. | 0 | 3 | 3 | 3 | 9 | 2 | 1 | 1 | 7 | 1 | 9 | 7 | 14 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| May | 11.9 | SE. | 40 | N. | 1 | 0 | 1 | 3 | 14 | 7 | 1 | 2 | 3 | 0 | 13 | 9 | 9 | 7 | 6 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 4 | 0 |
| June | 10.8 | SE. | 55 | NE. | 1 | 1 | 1 | 7 | 13 | 4 | 0 | 0 | 4 | 0 | 12 | 14 | 4 | 9 | 8 | 0 | 0 | 1 | 0 | 0 | 18 | 0 | 9 | 0 |
| July | 6.5 | E. | 43 | NE. | 1 | 2 | 6 | 9 | 4 | 2 | 0 | 1 | 7 | 0 | 9 | 16 | 6 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 11 | 0 |
| August | 8.1 | SE. | 34 | SE. | 0 | 1 | 2 | 9 | 12 | 1 | 1 | 0 | 5 | 0 | 9 | 19 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 7 | 0 |
| September | 8.5 | SE. | 31 | N. | 0 | 1 | 4 | 11 | 9 | 0 | 1 | 0 | 3 | 1 | 17 | 11 | 2 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 4 | 0 |
| October | 8.8 | SE. | 39 | W. | 0 | 3 | 2 | 11 | 6 | 3 | 0 | 4 | 2 | 0 | 14 | 10 | 7 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| November | 10.5 | E. | 36 | SE. | 0 | 2 | 0 | 11 | 4 | 0 | 1 | 8 | 4 | 0 | 18 | 5 | 7 | 5 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 |
| December | 10.5 | E. | 39 | SE. | 0 | 4 | 1 | 8 | 5 | 2 | 1 | 2 | 7 | 1 | 13 | 8 | 10 | 3 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 14 | 0 | 0 |
| Year | 10.1 | SE. | 55 | NE. | 5 | 26 | 29 | 79 | 103 | 31 | 8 | 23 | 64 | 3 | 140 | 125 | 101 | 69 | 56 | 9 | 1 | 3 | 6 | 4 | 102 | 38 | 59 | 0 |

DAVENPORT, IOWA.

[$H_b$=606 ft.; $h_t$=71 ft.; $h_r$=64 ft.; $h_a$=79 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.3 | NW. | 38 | E. | 0 | 5 | 3 | 7 | 2 | 9 | 12 | 11 | 13 | 0 | 9 | 6 | 16 | 12 | 10 | 8 | 4 | 0 | 3 | 13 | 0 | 26 | 1 | 0 |
| February | 7.3 | W. | 24 | NW. | 0 | 5 | 5 | 9 | 1 | 4 | 6 | 12 | 16 | 0 | 11 | 6 | 12 | 3 | 3 | 8 | 2 | 0 | 0 | 15 | 0 | 28 | 1 | 0 |
| March | 9.0 | E. | 33 | E. | 0 | 3 | 11 | 21 | 3 | 0 | 6 | 9 | 9 | 0 | 9 | 5 | 17 | 10 | 7 | 9 | 5 | 0 | 2 | 4 | 0 | 21 | 1 | 0 |
| April | 8.6 | NW. | 36 | SW. | 0 | 3 | 8 | 9 | 0 | 2 | 10 | 11 | 17 | 0 | 4 | 10 | 16 | 13 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 |
| May | 8.6 | SW. | 31 | SW. | 0 | 2 | 1 | 18 | 2 | 5 | 16 | 12 | 6 | 0 | 7 | 10 | 14 | 15 | 12 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 6 | 0 |
| June | 7.8 | NW. | 32 | NW. | 0 | 2 | 6 | 11 | 4 | 2 | 10 | 11 | 14 | 0 | 7 | 13 | 10 | 8 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 5 | 0 |
| July | 5.0 | E. | 22 | NW. | 0 | 3 | 4 | 19 | 3 | 5 | 8 | 7 | 12 | 1 | 24 | 7 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 8 | 0 |
| August | 5.8 | SW. | 38 | SW. | 0 | 4 | 6 | 11 | 1 | 6 | 17 | 8 | 9 | 0 | 15 | 7 | 9 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 4 | 3 |
| September | 7.3 | SW. | 27 | W. | 0 | 1 | 2 | 11 | 2 | 8 | 14 | 12 | 8 | 2 | 15 | 8 | 7 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 |
| October | 7.6 | SW. | 28 | NW. | 0 | 2 | 5 | 7 | 7 | 13 | 9 | 6 | 13 | 0 | 15 | 5 | 11 | 12 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| November | 8.2 | SW. | 29 | NW. | 0 | 3 | 6 | 7 | 1 | 7 | 13 | 12 | 11 | 0 | 13 | 7 | 10 | 6 | 4 | 4 | 1 | 0 | 4 | 4 | 0 | 14 | 0 | 0 |
| December | 8.0 | NW. | 32 | NW. | 0 | 1 | 2 | 12 | 5 | 4 | 8 | 15 | 15 | 0 | 11 | 10 | 10 | 13 | 5 | 10 | 8 | 0 | 1 | 16 | 0 | 26 | 2 | 0 |
| Year | 7.7 | NW. | 38 | SW. | 0 | 34 | 59 | 142 | 31 | 65 | 129 | 126 | 143 | 3 | 140 | 94 | 132 | 112 | 81 | 41 | 20 | 3 | 11 | 52 | 40 | 120 | 37 | 3 |

DAYTON, OHIO.

[$H_b$=899 ft.; $h_t$=181 ft.; $h_r$=176 ft.; $h_a$=216 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.7 | SW. | 49 | S. | 1 | 1 | 4 | 3 | 4 | 15 | 13 | 14 | 8 | 0 | 6 | 9 | 16 | 16 | 13 | 5 | 2 | 0 | 2 | 7 | 0 | 19 | 1 | 0 |
| February | 11.7 | NW. | 40 | NW. | 2 | 8 | 9 | 0 | .5 | 3 | 12 | 8 | 13 | 0 | 4 | 10 | 15 | 9 | 4 | 12 | 7 | 0 | 1 | 13 | 0 | 26 | 0 | 0 |
| March | 12.3 | N. | 55 | SW. | 2 | 19 | 7 | 5 | 9 | 2 | 9 | 5 | 6 | 0 | 5 | 12 | 14 | 14 | 10 | 9 | 5 | 1 | 1 | 7 | 0 | 20 | 5 | 0 |
| April | 11.8 | NW. | 52 | SW. | 3 | 11 | 8 | 4 | 2 | 4 | 15 | 7 | 9 | 0 | 2 | 10 | 18 | 15 | 10 | 3 | 3 | 0 | 0 | 0 | 0 | 5 | 3 | 0 |
| May | 9.9 | SW. | 42 | NW. | 1 | 5 | 8 | 4 | 2 | 7 | 18 | 7 | 11 | 0 | 7 | 13 | 11 | 17 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 |
| June | 9.4 | SW. | 44 | NW. | 2 | 3 | 9 | 4 | 9 | 6 | 14 | 8 | 5 | 2 | 7 | 14 | 9 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 7.0 | NE. | 36 | NE. | 0 | 9 | 14 | 13 | 6 | 11 | 4 | 1 | 3 | 1 | 10 | 18 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 10 | 0 |
| August | 6.6 | SW. | 42 | SW. | 1 | 8 | 13 | 3 | 3 | 3 | 12 | 12 | 6 | 2 | 13 | 9 | 9 | 11 | 9 | 0 | 0 | 0 | 1 | 0 | 11 | 0 | 9 | 0 |
| September | 9.6 | SW. | 39 | SW. | 0 | 6 | 7 | 2 | 7 | 10 | 15 | 6 | 6 | 1 | 16 | 10 | 4 | 10 | 9 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 8 | 0 |
| October | 9.1 | SW. | 44 | SW. | 1 | 4 | 7 | 12 | 8 | 7 | 15 | 4 | 3 | 2 | 16 | 8 | 7 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 12.3 | SW. | 42 | W. | 1 | 1 | 5 | 5 | 1 | 6 | 20 | 13 | 8 | 1 | 19 | 3 | 8 | 7 | 6 | 4 | 2 | 0 | 1 | 3 | 0 | 11 | 0 | 0 |
| December | 11.1 | SW. | 43 | W. | 1 | 4 | 4 | 3 | 6 | 10 | 15 | 11 | 8 | 1 | 10 | 7 | 14 | 14 | 11 | 13 | 8 | 0 | 0 | 13 | 0 | 24 | 1 | 0 |
| Year | 10.4 | SW. | 55 | SW. | 15 | 79 | 95 | 58 | 62 | 84 | 162 | 96 | 86 | 10 | 115 | 123 | 128 | 138 | 106 | 47 | 27 | 2 | 7 | 43 | 31 | 105 | 52 | 0 |

DEL RIO, TEX.

[$H_b$=944 ft.; $h_t$=64 ft.; $h_r$=56 ft.; $h_a$=71 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.4 | SE. | 38 | NW. | 0 | 1 | 2 | 8 | 9 | 1 | 0 | 3 | 7 | 0 | 8 | 7 | 16 | 10 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 1 | 0 |
| February | 8.8 | SE. | 38 | N. | 0 | 0 | 8 | 7 | 4 | 0 | 1 | 4 | 5 | 0 | 15 | 13 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 |
| March | 10.5 | SE. | 50 | NW. | 2 | 0 | 7 | 15 | 2 | 0 | 0 | 2 | 5 | 0 | 27 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 1 | 0 |
| April | 12.1 | SE. | 42 | N. | 3 | 4 | 2 | 14 | 5 | 0 | 0 | 2 | 3 | 0 | 12 | 12 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 |
| May | 12.6 | SE. | 32 | SE. | 0 | 0 | 0 | 19 | 6 | 1 | 0 | 1 | 4 | 0 | 15 | 11 | 5 | 7 | 6 | 0 | 0 | 3 | 0 | 0 | 18 | 0 | 2 | 0 |
| June | 13.0 | SE. | 42 | E. | 2 | 0 | 2 | 22 | 6 | 0 | 0 | 0 | 0 | 0 | 20 | 10 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 1 | 0 |
| July | 8.6 | E. | 39 | E. | 0 | 1 | 9 | 18 | 2 | 0 | 0 | 0 | 1 | 0 | 10 | 15 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 2 | 0 |
| August | 10.1 | SE. | 60 | SE. | 1 | 2 | 4 | 15 | 9 | 0 | 0 | 1 | 0 | 0 | 9 | 19 | 3 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 |
| September | 8.5 | SE. | 29 | N. | 0 | 5 | 4 | 16 | 5 | 0 | 0 | 0 | 0 | 0 | 17 | 11 | 2 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| October | 9.4 | E. | 36 | NW. | 0 | 0 | 4 | 12 | 4 | 1 | 0 | 7 | 3 | 0 | 18 | 11 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 10.0 | E. | 40 | NW. | 1 | 0 | 3 | 8 | 5 | 2 | 3 | 3 | 6 | 0 | 17 | 9 | 4 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 0 |
| December | 8.1 | E. | 40 | NW. | 1 | 0 | 2 | 9 | 4 | 1 | 2 | 8 | 5 | 0 | 20 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 10 | 0 | 0 |
| Year | 10.1 | E. | 60 | SE. | 10 | 13 | 47 | 163 | 61 | 6 | 6 | 31 | 39 | 0 | 188 | 126 | 52 | 53 | 33 | 0 | 0 | 3 | 6 | 0 | 103 | 22 | 10 | 0 |

*Annual meteorological summary for the year ending December 31, 1917*—Continued.

DENVER, COLO.

[$\phi$=39° 45′ N.; $\lambda$=105° 00′ 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 | 24.585 | 24.907 | 24.180 | 16.5 | 26.3 | 34.6 | 10.9 | 22.8 | 65 | −12 | 7 | 13 | 70 | 60 | 0.061 | 0.081 | 0.53 | 0.23 | 3.5 | 5.4 | 5.4 |
| February | 24.760 | 25.140 | 24.200 | 26.6 | 43.9 | 49.4 | 23.6 | 36.5 | 65 | − 4 | 16 | 20 | 63 | 40 | .090 | .108 | .03 | .02 | 1.9 | 3.4 | 3.4 |
| March | 24.666 | 25.050 | 23.970 | 37.1 | 53.3 | 58.7 | 32.7 | 45.7 | 75 | 7 | 20 | 18 | 52 | 29 | .108 | .101 | .52 | .35 | 5.1 | 5.9 | 5.2 |
| April | 24.693 | 24.960 | 24.336 | 37.5 | 53.7 | 58.1 | 34.8 | 46.4 | 80 | 19 | 28 | 28 | 71 | 44 | .156 | .153 | 1.93 | .78 | 5.5 | 7.1 | 6.2 |
| May | 24.605 | 24.870 | 24.240 | 46.3 | 64.3 | 68.0 | 42.7 | 55.4 | 89 | 24 | 30 | 27 | 57 | 32 | .167 | .154 | 1.49 | .83 | 3.3 | 4.8 | 4.4 |
| June | 24.693 | 24.907 | 24.340 | 55.2 | 75.7 | 80.2 | 52.0 | 66.1 | 96 | 42 | 41 | 35 | 60 | 27 | .260 | .220 | .08 | .07 | 2.8 | 4.8 | 3.6 |
| July | 24.796 | 25.060 | 24.480 | 63.7 | 80.1 | 86.7 | 61.5 | 74.1 | 96 | 57 | 47 | 46 | 57 | 34 | .333 | .318 | 1.44 | .81 | 2.4 | 6.8 | 4.3 |
| August | 24.809 | 25.060 | 24.590 | 59.2 | 73.7 | 80.5 | 57.5 | 69.0 | 89 | 51 | 52 | 50 | 77 | 48 | .385 | .381 | 1.74 | .72 | 3.0 | 6.0 | 4.1 |
| September | 24.775 | 25.160 | 24.390 | 50.0 | 69.2 | 75.5 | 47.3 | 61.4 | 90 | 33 | 37 | 36 | 61 | 33 | .220 | .219 | .80 | .68 | 2.1 | 4.2 | 3.2 |
| October | 24.757 | 25.140 | 24.280 | 39.9 | 53.0 | 60.0 | 36.4 | 48.2 | 80 | 18 | 30 | 31 | 68 | 48 | .166 | .175 | 1.92 | 1.24 | 4.3 | 3.9 | 4.2 |
| November | 24.776 | 25.050 | 24.210 | 30.0 | 40.8 | 50.0 | 26.2 | 38.1 | 76 | − 3 | 17 | 21 | 60 | 52 | .095 | .115 | .66 | .25 | 2.9 | 3.6 | 3.1 |
| December | 24.543 | 24.880 | 24.040 | 22.4 | 29.2 | 38.5 | 14.5 | 26.5 | 65 | − 5 | 10 | 14 | 61 | 55 | .071 | .082 | 1.09 | .29 | 3.3 | 4.2 | 4.6 |
| Year | 24.705 | 25.160 | 23.970 | 40.4 | 55.3 | 61.7 | 36.7 | 49.2 | 96 | −12 | 28 | 28 | 63 | 42 | .176 | .176 | 12.23 | 1.24 | 3.3 | 5.0 | 4.3 |

DES MOINES, IOWA.

[$\phi$=41° 35′ N.; $\lambda$=93° 37′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.200 | 29.770 | 28.480 | 16.9 | 21.7 | 30.6 | 11.0 | 20.8 | 54 | −20 | 13 | 17 | 84 | 81 | 0.096 | 0.110 | 2.66 | 0.65 | 6.8 | 6.5 | 7.4 |
| February | 29.268 | 29.780 | 28.900 | 16.6 | 25.2 | 29.9 | 12.7 | 21.3 | 54 | − 8 | 13 | 19 | 86 | 77 | .087 | .113 | .61 | .26 | 5.4 | 5.1 | 6.0 |
| March | 29.043 | 29.560 | 28.330 | 30.0 | 41.8 | 48.0 | 27.3 | 37.6 | 77 | 5 | 26 | 30 | 83 | 64 | .144 | .180 | .60 | .21 | 5.8 | 6.1 | 6.4 |
| April | 29.057 | 29.460 | 28.460 | 42.4 | 53.8 | 58.4 | 38.9 | 48.6 | 87 | 21 | 36 | 38 | 77 | 57 | .218 | .236 | 2.44 | 1.09 | 7.0 | 7.2 | 7.1 |
| May | 28.937 | 29.280 | 28.490 | 56.0 | 67.9 | 71.3 | 52.1 | 61.7 | 86 | 35 | 48 | 50 | 76 | 55 | .351 | .383 | 3.87 | 1.87 | 6.4 | 4.4 | 6.0 |
| June | 28.971 | 29.240 | 28.630 | 60.5 | 72.8 | 76.4 | 56.6 | 66.5 | 92 | 46 | 54 | 55 | 78 | 55 | .419 | .454 | 2.24 | .78 | 6.1 | 4.7 | 5.8 |
| July | 29.078 | 29.290 | 28.874 | 73.8 | 87.7 | 92.8 | 70.1 | 81.4 | 100 | 63 | 65 | 65 | 75 | 49 | .620 | .620 | 1.50 | 1.08 | 2.7 | 2.2 | 2.6 |
| August | 29.078 | 29.350 | 28.800 | 67.7 | 81.1 | 86.4 | 65.1 | 75.8 | 102 | 49 | 60 | 62 | 76 | 54 | .526 | .570 | 2.62 | 1.69 | 4.1 | 5.7 | 3.8 |
| September | 29.077 | 29.430 | 28.520 | 56.4 | 69.1 | 75.4 | 53.2 | 64.3 | 94 | 31 | 49 | 52 | 77 | 55 | .378 | .411 | 1.72 | .73 | 4.8 | 2.9 | 4.0 |
| October | 29.116 | 29.650 | 28.797 | 45.3 | 56.3 | 63.3 | 43.1 | 53.2 | 87 | 22 | 37 | 40 | 74 | 58 | .230 | .265 | 2.11 | .86 | 5.5 | 3.5 | 5.0 |
| November | 29.143 | 29.490 | 28.640 | 34.5 | 42.9 | 48.9 | 30.5 | 39.7 | 75 | 3 | 26 | 31 | 71 | 65 | .150 | .188 | 1.46 | 1.01 | 4.7 | 4.1 | 4.8 |
| December | 29.054 | 29.660 | 28.610 | 17.1 | 24.8 | 31.8 | 12.3 | 22.0 | 62 | −14 | 11 | 15 | 75 | 66 | .084 | .094 | .65 | .22 | 4.9 | 4.1 | 5.3 |
| Year | 29.085 | 29.780 | 28.330 | 43.1 | 53.8 | 59.4 | 39.4 | 49.4 | 102 | −20 | 36 | 40 | 78 | 61 | .275 | .302 | 22.48 | 1.87 | 5.4 | 4.7 | 5.4 |

DETROIT, MICH.

[$\phi$=42° 20′ N.; $\lambda$=83° 03′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.321 | 29.810 | 28.610 | 28.0 | 31.2 | 37.7 | 22.4 | 30.0 | 61 | − 2 | 24 | 26 | 87 | 82 | 0.143 | 0.160 | 4.31 | 1.22 | 8.3 | 5.8 | 7.0 |
| February | 29.292 | 29.870 | 28.650 | 19.1 | 22.3 | 28.1 | 15.1 | 21.6 | 46 | 4 | 16 | 18 | 96 | 81 | .090 | .098 | .97 | .26 | 7.2 | 6.6 | 6.9 |
| March | 29.158 | 29.610 | 28.360 | 24.1 | 30.1 | 36.9 | 20.5 | 28.7 | 59 | 7 | 20 | 25 | 84 | 81 | .117 | .145 | 3.92 | 1.05 | 5.4 | 6.1 | 5.6 |
| April | 29.154 | 29.460 | 28.780 | 42.2 | 47.7 | 54.9 | 38.7 | 46.8 | 76 | 28 | 36 | 39 | 79 | 72 | .219 | .250 | 2.29 | .66 | 6.8 | 5.5 | 6.2 |
| May | 29.127 | 29.563 | 28.630 | 54.4 | 59.5 | 65.5 | 50.1 | 57.8 | 80 | 39 | 45 | 47 | 71 | 66 | .312 | .346 | 5.08 | 1.71 | 5.9 | 5.3 | 6.2 |
| June | 29.108 | 29.536 | 28.700 | 60.2 | 65.6 | 71.3 | 55.6 | 63.4 | 81 | 48 | 53 | 53 | 77 | 66 | .405 | .411 | 3.00 | .92 | 5.1 | 4.3 | 4.8 |
| July | 29.236 | 29.462 | 28.880 | 74.0 | 80.0 | 87.2 | 68.6 | 77.9 | 98 | 58 | 63 | 64 | 70 | 59 | .588 | .604 | .99 | .99 | 2.8 | 2.6 | 2.8 |
| August | 29.237 | 29.485 | 28.970 | 69.1 | 76.4 | 83.9 | 65.2 | 74.6 | 96 | 55 | 60 | 61 | 74 | 60 | .547 | .549 | 2.98 | 1.61 | 2.7 | 4.2 | 3.1 |
| September | 29.247 | 29.573 | 28.870 | 58.7 | 64.6 | 71.1 | 55.1 | 63.1 | 90 | 38 | 50 | 51 | 73 | 62 | .376 | .396 | 2.74 | 1.09 | 5.1 | 4.9 | 4.9 |
| October | 29.293 | 29.637 | 28.540 | 48.0 | 53.0 | 61.5 | 44.3 | 52.9 | 85 | 34 | 42 | 42 | 80 | 67 | .274 | .274 | 2.48 | .93 | 5.2 | 4.1 | 4.7 |
| November | 29.271 | 29.680 | 28.330 | 37.0 | 41.5 | 47.5 | 33.5 | 40.5 | 70 | 16 | 32 | 33 | 83 | 72 | .192 | .198 | 1.21 | .52 | 6.0 | 5.3 | 6.0 |
| December | 29.167 | 29.670 | 28.660 | 24.0 | 27.6 | 33.3 | 20.5 | 26.9 | 56 | − 1 | 20 | 22 | 85 | 78 | .124 | .126 | 2.24 | .67 | 6.9 | 6.9 | 7.2 |
| Year | 29.218 | 29.870 | 28.330 | 44.9 | 50.0 | 56.6 | 40.8 | 48.7 | 98 | − 2 | 38 | 40 | 79 | 70 | .282 | .296 | 32.21 | 1.71 | 5.6 | 5.1 | 5.4 |

DEVILS LAKE, N. DAK.

[$\phi$=48° 7′ N.; $\lambda$=98° 52′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.469 | 28.930 | 27.710 | −12.0 | −6.7 | 1.7 | −18.0 | −8.2 | 27 | −44 | −14 | −9 | 92 | 86 | 0.023 | 0.029 | 0.71 | 0.22 | 5.2 | 3.7 | 5.9 |
| February | 28.547 | 29.020 | 28.090 | −1.0 | 6.7 | 12.1 | −5.7 | 3.2 | 39 | −29 | −3 | 4 | 89 | 89 | .049 | .066 | .32 | .16 | 3.7 | 4.7 | 4.8 |
| March | 28.402 | 28.850 | 27.730 | 12.7 | 20.2 | 25.8 | 8.1 | 17.0 | 46 | −27 | 11 | 17 | 90 | 85 | .082 | .101 | 1.09 | .48 | 6.8 | 7.2 | 6.9 |
| April | 28.403 | 28.826 | 27.900 | 31.7 | 42.0 | 46.6 | 29.1 | 37.8 | 70 | 10 | 27 | 30 | 82 | 64 | .149 | .170 | 1.09 | .51 | 6.5 | 5.5 | 6.4 |
| May | 28.235 | 28.700 | 27.600 | 45.2 | 56.2 | 61.9 | 38.7 | 50.3 | 83 | 24 | 36 | 35 | 70 | 48 | .215 | .217 | 1.47 | .75 | 5.7 | 5.1 | 6.7 |
| June | 28.300 | 28.520 | 27.876 | 53.3 | 62.8 | 67.5 | 47.5 | 57.5 | 78 | 37 | 47 | 47 | 80 | 60 | .329 | .337 | 4.14 | 1.12 | 6.3 | 5.4 | 6.2 |
| July | 28.374 | 28.810 | 28.090 | 66.5 | 78.8 | 84.0 | 61.8 | 72.9 | 96 | 47 | 62 | 65 | 86 | 64 | .567 | .632 | 3.70 | 1.87 | 4.4 | 3.4 | 4.1 |
| August | 28.368 | 28.780 | 27.881 | 57.4 | 70.9 | 77.7 | 53.5 | 65.6 | 93 | 39 | 52 | 53 | 83 | 55 | .408 | .433 | 3.16 | 1.02 | 5.1 | 4.6 | 5.1 |
| September | 28.314 | 28.730 | 27.860 | 46.5 | 59.1 | 66.9 | 43.0 | 55.0 | 92 | 24 | 42 | 41 | 84 | 53 | .282 | .275 | .89 | .27 | 5.3 | 4.6 | 4.8 |
| October | 28.414 | 29.014 | 27.900 | 31.4 | 40.5 | 48.4 | 28.4 | 38.4 | 73 | 6 | 28 | 30 | 85 | 69 | .152 | .170 | .67 | .40 | 6.7 | 5.6 | 6.5 |
| November | 28.400 | 29.050 | 27.490 | 21.4 | 27.8 | 36.8 | 16.7 | 26.8 | 59 | − 4 | 17 | 21 | 84 | 74 | .161 | .115 | .12 | .11 | 4.5 | 3.5 | 4.7 |
| December | 28.300 | 28.830 | 27.670 | −3.3 | 3.1 | 10.4 | −8.7 | 0.8 | 54 | −37 | −6 | 0 | 86 | 86 | .040 | .053 | .90 | .44 | 4.1 | 4.5 | 5.3 |
| Year | 28.377 | 29.050 | 27.490 | 29.2 | 38.4 | 45.0 | 24.5 | 34.8 | 96 | −44 | 25 | 28 | 84 | 69 | .200 | .216 | 18.26 | 1.87 | 5.4 | 4.8 | 5.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

DENVER, COLO.

[$H_b$=5,291 ft.; $h_t$=106 ft.; $h_s$=98 ft.; $h_a$=113 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 7.3 | SW. | 42 | SW. | 1 | 14 | 9 | 1 | 3 | 8 | 22 | 1 | 4 | 0 | 8 | 16 | 7 | 8 | 2 | 12 | 8 | 0 | 1 | 12 | 0 | 29 | 0 | 0 |
| February | 6.9 | SE. | 33 | NW. | 0 | 9 | 8 | 2 | 13 | 9 | 5 | 4 | 8 | 0 | 13 | 15 | 1 | 2 | 0 | 5 | 2 | 0 | 0 | 3 | 0 | 24 | 0 | 0 |
| March | 9.8 | W. | 46 | SW. | 1 | 4 | 8 | 3 | 16 | 7 | 4 | 11 | 9 | 0 | 9 | 15 | 7 | 3 | 3 | 5 | 2 | 0 | 0 | 1 | 0 | 13 | 0 | 0 |
| April | 7.5 | SE. | 40 | N. | 1 | 4 | 7 | 3 | 12 | 7 | 13 | 1 | 13 | 0 | 4 | 15 | 11 | 9 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 11 | 2 | 0 |
| May | 8.8 | SE. | 43 | SE. | 1 | 4 | 7 | 1 | 19 | 8 | 4 | 5 | 14 | 0 | 15 | 9 | 7 | 6 | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 4 | 4 | 0 |
| June | 7.7 | SE. | 39 | N. | 0 | 7 | 5 | 6 | 13 | 9 | 5 | 3 | 11 | 1 | 16 | 14 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 7 | 0 |
| July | 6.9 | SE. | 34 | NW. | 0 | 2 | 2 | 3 | 14 | 25 | 2 | 5 | 9 | 0 | 14 | 13 | 4 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 16 | 0 |
| August | 6.7 | S. | 34 | NW. | 0 | 7 | 8 | 3 | 4 | 24 | 4 | 5 | 7 | 0 | 14 | 10 | 7 | 12 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 16 | 0 |
| September | 7.2 | SE. | 32 | NW. | 0 | 4 | 7 | 5 | 10 | 17 | 3 | 7 | 6 | 1 | 16 | 10 | 4 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 |
| October | 7.7 | SE. | 34 | NW. | 0 | 7 | 7 | 2 | 5 | 13 | 8 | 6 | 14 | 0 | 16 | 7 | 8 | 9 | 7 | 5 | 5 | 0 | 0 | 1 | 0 | 6 | 2 | 0 |
| November | 8.0 | SE. | 31 | SE. | 0 | 9 | 4 | 4 | 12 | 12 | 4 | 5 | 10 | 0 | 20 | 5 | 5 | 9 | 5 | 9 | 9 | 0 | 0 | 5 | 0 | 18 | 0 | 0 |
| December | 8.2 | SE. | 35 | N. | 0 | 10 | 4 | 1 | 11 | 14 | 6 | 8 | 8 | 0 | 14 | 9 | 8 | 8 | 8 | 12 | 8 | 0 | 1 | 8 | 0 | 26 | 0 | 0 |
| Year | 7.7 | S. | 46 | SW. | 4 | 81 | 76 | 34 | 132 | 153 | 80 | 61 | 113 | 2 | 159 | 138 | 69 | 85 | 55 | 59 | 44 | 1 | 3 | 30 | 17 | 131 | 52 | 0 |

DES MOINES, IOWA.

[$H_b$=861 ft.; $h_t$=84 ft.; $h_r$=76 ft.; $h_a$=97 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.6 | NW. | 26 | NW. | 0 | 11 | 2 | 4 | 3 | 13 | 10 | 5 | 14 | 0 | 6 | 5 | 20 | 13 | 11 | 11 | 5 | 0 | 2 | 15 | 0 | 28 | 0 | 0 |
| February | 7.5 | NW. | 28 | NW. | 0 | 8 | 9 | 2 | 5 | 5 | 7 | 3 | 19 | 0 | 6 | 12 | 11 | 6 | 4 | 11 | 5 | 0 | 0 | 16 | 0 | 28 | 0 | 0 |
| March | 9.5 | N. | 32 | SW. | 0 | 20 | 3 | 10 | 8 | 4 | 4 | 2 | 11 | 0 | 6 | 10 | 15 | 10 | 4 | 6 | 4 | 0 | 1 | 4 | 0 | 20 | 0 | 0 |
| April | 8.8 | N. | 38 | SW. | 0 | 18 | 2 | 5 | 3 | 3 | 9 | 9 | 11 | 0 | 4 | 11 | 15 | 12 | 9 | 3 | 2 | 0 | 0 | 0 | 0 | 6 | 2 | 0 |
| May | 9.0 | S. | 36 | SW. | 0 | 4 | 0 | 5 | 11 | 14 | 11 | 5 | 12 | 0 | 8 | 13 | 10 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| June | 7.1 | NW. | 27 | SW. | 0 | 8 | 1 | 7 | 7 | 7 | 9 | 7 | 14 | 0 | 7 | 12 | 11 | 13 | 10 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 8 | 0 |
| July | 5.4 | S. | 32 | SW. | 0 | 7 | 5 | 7 | 10 | 17 | 12 | 2 | 2 | 0 | 21 | 8 | 2 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 8 | 0 |
| August | 6.6 | S. | 35 | SW. | 0 | 10 | 1 | 5 | 8 | 15 | 13 | 3 | 7 | 0 | 15 | 12 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 5 | 1 |
| September | 7.7 | SW. | 35 | SW. | 0 | 7 | 3 | 2 | 7 | 10 | 12 | 8 | 11 | 0 | 15 | 8 | 7 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 7 | 0 |
| October | 8.4 | S. | 30 | SW. | 0 | 13 | 4 | 0 | 4 | 16 | 12 | 7 | 6 | 0 | 15 | 4 | 12 | 9 | 5 | 2 | 2 | 0 | 1 | 0 | 0 | 4 | 3 | 0 |
| November | 8.5 | SW. | 38 | SW. | 0 | 9 | 6 | 2 | 3 | 5 | 14 | 11 | 10 | 0 | 13 | 7 | 10 | 7 | 5 | 3 | 3 | 0 | 0 | 5 | 0 | 13 | 2 | 0 |
| December | 7.0 | NW. | 24 | NW. | 0 | 7 | 2 | 5 | 11 | 5 | 12 | 5 | 15 | 0 | 11 | 7 | 13 | 6 | 4 | 9 | 5 | 0 | 1 | 17 | 0 | 26 | 1 | 0 |
| Year | 7.8 | NW. | 38 | SW. | 0 | 122 | 38 | 54 | 80 | 114 | 125 | 67 | 132 | 0 | 127 | 109 | 130 | 105 | 76 | 45 | 26 | 1 | 5 | 57 | 39 | 126 | 48 | 1 |

DETROIT, MICH.

[$H_b$=730 ft.; $h_t$=218 ft.; $h_s$=214 ft.; $h_a$=258 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.6 | SW. | 50 | W. | 5 | 1 | 3 | 5 | 1 | 9 | 19 | 17 | 7 | 0 | 6 | 8 | 17 | 13 | 11 | 10 | 4 | 0 | 1 | 10 | 0 | 25 | 1 | 0 |
| February | 12.0 | W. | 38 | N. | 0 | 6 | 9 | 4 | 1 | 4 | 7 | 14 | 13 | 0 | 6 | 7 | 16 | 16 | 8 | 21 | 15 | 0 | 0 | 20 | 0 | 29 | 0 | 0 |
| March | 10.6 | N. | 37 | N. | 0 | 13 | 9 | 8 | 2 | 7 | 6 | 6 | 11 | 0 | 11 | 9 | 11 | 16 | 13 | 15 | 13 | 0 | 1 | 13 | 0 | 25 | 5 | 0 |
| April | 10.2 | S. | 48 | NW. | 2 | 7 | 8 | 5 | 6 | 11 | 4 | 10 | 9 | 0 | 7 | 10 | 13 | 16 | 12 | 3 | 1 | 0 | 0 | 0 | 0 | 6 | 4 | 2 |
| May | 10.5 | W. | 44 | W. | 1 | 2 | 8 | 10 | 3 | 12 | 2 | 16 | 9 | 0 | 5 | 14 | 12 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| June | 10.6 | S. | 37 | W. | 0 | 6 | 3 | 9 | 9 | 19 | 0 | 6 | 8 | 0 | 8 | 15 | 7 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| July | 8.8 | E. | 38 | W. | 0 | 10 | 12 | 15 | 2 | 9 | 8 | 4 | 2 | 0 | 20 | 11 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 5 | 0 |
| August | 8.9 | N. | 43 | NE. | 2 | 16 | 4 | 4 | 6 | 7 | 14 | 9 | 2 | 0 | 16 | 14 | 1 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 8 | 0 |
| September | 10.5 | SW. | 68 | NW. | 3 | 7 | 2 | 6 | 2 | 7 | 16 | 12 | 8 | 0 | 9 | 15 | 6 | 7 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 1 |
| October | 12.2 | SW. | 54 | SW. | 4 | 3 | 3 | 9 | 9 | 8 | 17 | 9 | 4 | 0 | 14 | 7 | 10 | 12 | 9 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 12.5 | W. | 44 | SW. | 1 | 3 | 6 | 3 | 4 | 5 | 19 | 14 | 6 | 0 | 8 | 9 | 13 | 11 | 5 | 6 | 4 | 0 | 0 | 2 | 0 | 13 | 1 | 0 |
| December | 13.6 | W. | 41 | SW. | 2 | 6 | 1 | 3 | 4 | 7 | 13 | 22 | 6 | 0 | 6 | 6 | 19 | 17 | 12 | 17 | 11 | 0 | 1 | 16 | 0 | 24 | 1 | 0 |
| Year | 11.2 | W. | 68 | NW. | 20 | 80 | 68 | 81 | 49 | 105 | 125 | 139 | 85 | 0 | 116 | 125 | 125 | 146 | 108 | 73 | 49 | 2 | 3 | 61 | 19 | 122 | 44 | 3 |

DEVILS LAKE, N. DAK.

[$H_b$=1,482 ft.; $h_t$=11 ft.; $h_s$=4 ft.; $h_a$=44 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.1 | W. | 38 | W. | 0 | 8 | 6 | 3 | 4 | 8 | 8 | 20 | 5 | 0 | 7 | 11 | 13 | 10 | 7 | 11 | 10 | 0 | 0 | 31 | 0 | 31 | 0 | 0 |
| February | 11.1 | W. | 40 | W. | 1 | 5 | 6 | 4 | 3 | 2 | 8 | 16 | 14 | 0 | 11 | 12 | 6 | 6 | 4 | 10 | 6 | 0 | 0 | 22 | 0 | 29 | 0 | 0 |
| March | 13.5 | NE. | 42 | NE. | 1 | 6 | 13 | 5 | 10 | 2 | 4 | 10 | 12 | 0 | 7 | 8 | 16 | 10 | 5 | 14 | 10 | 0 | 1 | 22 | 0 | 31 | 0 | 0 |
| April | 12.8 | NW. | 34 | NW. | 0 | 16 | 7 | 5 | 2 | 8 | 7 | 3 | 12 | 0 | 7 | 8 | 15 | 11 | 5 | 10 | 7 | 2 | 0 | 4 | 0 | 15 | 1 | 0 |
| May | 14.4 | W. | 56 | W. | 4 | 5 | 9 | 5 | 13 | 4 | 5 | 8 | 13 | 0 | 4 | 13 | 14 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 1 |
| June | 10.5 | W. | 46 | E. | 1 | 11 | 7 | 8 | 7 | 2 | 10 | 7 | 8 | 0 | 7 | 8 | 15 | 10 | 8 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 6 | 0 |
| July | 8.9 | SE. | 44 | SW. | 1 | 4 | 7 | 7 | 15 | 10 | 4 | 6 | 8 | 1 | 16 | 10 | 5 | 11 | 8 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 10 | 0 |
| August | 8.5 | NW. | 46 | N. | 1 | 5 | 3 | 5 | 5 | 13 | 8 | 10 | 13 | 0 | 12 | 10 | 9 | 9 | 6 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 7 | 2 |
| September | 10.6 | SW. | 38 | NW. | 0 | 4 | 3 | 1 | 12 | 5 | 13 | 8 | 14 | 0 | 13 | 8 | 9 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 |
| October | 11.1 | SW. | 42 | NE. | 1 | 10 | 5 | 2 | 8 | 5 | 10 | 11 | 11 | 0 | 7 | 8 | 16 | 7 | 4 | 6 | 3 | 0 | 0 | 3 | 0 | 20 | 0 | 1 |
| November | 10.6 | W. | 38 | SW. | 0 | 3 | 3 | 0 | 10 | 5 | 12 | 18 | 9 | 0 | 12 | 12 | 6 | 2 | 1 | 5 | 1 | 0 | 0 | 12 | 0 | 28 | 0 | 2 |
| December | 10.9 | W. | 44 | N. | 4 | 9 | 5 | 3 | 4 | 6 | 11 | 13 | 11 | 0 | 12 | 7 | 12 | 9 | 5 | 14 | 9 | 0 | 0 | 26 | 0 | 31 | 0 | 1 |
| Year | 11.3 | W. | 56 | W. | 14 | 86 | 74 | 48 | 93 | 70 | 100 | 130 | 130 | 1 | 115 | 115 | 136 | 106 | 65 | 71 | 46 | 7 | 2 | 120 | 8 | 196 | 32 | 7 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

### DODGE CITY, KANS.

[$\phi$=37° 45′ N.; $\lambda$=100° 00′ 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 | 27.440 | 27.870 | 26.950 | 18.6 | 25.9 | 34.9 | 12.8 | 23.8 | 73 | −16 | 15 | 17 | 84 | 69 | 0.097 | 0.100 | 0.59 | 0.11 | 5.7 | 4.9 | 6.0 |
| February | 27.533 | 27.960 | 26.960 | 22.9 | 38.9 | 49.0 | 20.8 | 34.9 | 74 | − 7 | 18 | 24 | 78 | 58 | .100 | .136 | .06 | .04 | 2.7 | 2.8 | 3.7 |
| March | 27.357 | 27.900 | 26.770 | 34.9 | 55.7 | 64.4 | 31.8 | 48.1 | 88 | 0 | 26 | 29 | 70 | 41 | .141 | .162 | .68 | .35 | 4.9 | 4.5 | 4.2 |
| April | 27.388 | 27.780 | 26.830 | 40.5 | 55.4 | 61.9 | 38.4 | 50.2 | 88 | 22 | 35 | 39 | 82 | 58 | .211 | .246 | 2.84 | 1.26 | 5.9 | 5.7 | 5.5 |
| May | 27.256 | 27.562 | 26.880 | 53.3 | 71.5 | 77.2 | 50.0 | 63.6 | 99 | 32 | 47 | 49 | 80 | 49 | .334 | .365 | .41 | .18 | 4.4 | 4.3 | 4.2 |
| June | 27.306 | 27.530 | 27.050 | 62.4 | 77.3 | 82.0 | 59.2 | 70.6 | 94 | 50 | 57 | 58 | 83 | 54 | .475 | .504 | 5.16 | 1.76 | 4.2 | 3.8 | 4.2 |
| July | 27.391 | 27.710 | 27.080 | 69.5 | 88.5 | 93.7 | 66.9 | 80.3 | 98 | 59 | 62 | 58 | 77 | 36 | .551 | .479 | .09 | .09 | 1.8 | 2.0 | 2.4 |
| August | 27.411 | 27.730 | 27.083 | 67.3 | 84.7 | 91.3 | 66.0 | 78.6 | 101 | 51 | 59 | 58 | 77 | 44 | .516 | .491 | 2.25 | .78 | 3.6 | 3.6 | 3.7 |
| September | 27.427 | 27.830 | 26.930 | 55.3 | 71.7 | 80.1 | 53.8 | 67.0 | 96 | 34 | 50 | 51 | 83 | 50 | .383 | .392 | 1.15 | .71 | 3.3 | 3.1 | 3.8 |
| October | 27.458 | 27.880 | 27.060 | 45.4 | 59.4 | 69.0 | 43.5 | 56.2 | 90 | 22 | 39 | 43 | 80 | 57 | .233 | .287 | .79 | .42 | 4.1 | 3.2 | 3.4 |
| November | 27.475 | 27.880 | 27.030 | 51.1 | 44.8 | 56.7 | 27.4 | 42.0 | 85 | 2 | 25 | 31 | 78 | 59 | .144 | .178 | .03 | .03 | 3.0 | 1.7 | 2.7 |
| December | 27.304 | 27.770 | 26.750 | 18.0 | 31.3 | 43.7 | 14.2 | 29.0 | 73 | − 6 | 13 | 21 | 79 | 65 | .082 | .120 | .30 | .10 | 3.7 | 3.0 | 3.7 |
| Year | 27.396 | 27.960 | 26.750 | 43.3 | 58.8 | 67.0 | 40.4 | 53.7 | 101 | −16 | 37 | 40 | 79 | 53 | .274 | .288 | 14.35 | 1.76 | 3.9 | 3.6 | 4.0 |

### DREXEL, NEBR.

[$\phi$=41° 20′ N.; $\lambda$=96° 16′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.720 | 29.280 | 28.020 | 11.3 | 16.3 | 23.9 | 6.5 | 15.2 | 53 | −24 | 10 | 13 | 93 | 88 | 0.081 | 0.097 | 1.46 | 0.61 | 5.9 | 4.1 | 6.3 |
| February | 28.793 | 29.330 | 28.420 | 15.6 | 24.1 | 30.3 | 12.6 | 21.4 | 56 | −15 | 14 | 20 | 94 | 84 | .092 | .119 | .48 | .28 | 3.8 | 4.8 | 5.2 |
| March | 28.565 | 29.120 | 27.890 | 29.1 | 41.4 | 49.3 | 26.2 | 37.8 | 74 | − 2 | 27 | 32 | 91 | 71 | .153 | .192 | .63 | .37 | 5.9 | 6.3 | 6.1 |
| April | 28.601 | 28.941 | 27.960 | 40.3 | 52.6 | 57.8 | 37.1 | 47.4 | 85 | 22 | 37 | 36 | 88 | 58 | .229 | .222 | 1.79 | 1.00 | 7.2 | 6.8 | 7.3 |
| May | 28.462 | 28.780 | 27.990 | 53.4 | 66.0 | 71.7 | 49.1 | 60.4 | 89 | 32 | 47 | 50 | 80 | 61 | .340 | .389 | 6.22 | 2.63 | 6.2 | 5.3 | 5.4 |
| June | 28.521 | 28.780 | 28.260 | 59.7 | 71.7 | 75.7 | 55.1 | 65.4 | 91 | 44 | 56 | 58 | 86 | 64 | .452 | .502 | 3.13 | 1.11 | 4.9 | 4.2 | 4.8 |
| July | 28.604 | 28.850 | 28.389 | 73.3 | 87.0 | 91.9 | 68.8 | 80.4 | 99 | 58 | 66 | 67 | 77 | 52 | .632 | .662 | .51 | .39 | 2.6 | 1.6 | 2.5 |
| August | 28.604 | 28.870 | 28.276 | 66.7 | 78.9 | 84.3 | 63.7 | 74.0 | 97 | 44 | 61 | 64 | 82 | 63 | .549 | .625 | 4.36 | 1.39 | 4.8 | 3.0 | 4.1 |
| September | 28.603 | 28.950 | 28.120 | 54.1 | 66.8 | 75.7 | 51.3 | 63.5 | 92 | 28 | 49 | 52 | 84 | 61 | .381 | .424 | .75 | .43 | 4.3 | 4.0 | 3.9 |
| October | 28.636 | 29.170 | 28.230 | 42.7 | 54.3 | 63.5 | 40.4 | 52.0 | 91 | 18 | 36 | 38 | 81 | 58 | .223 | .244 | 1.17 | .48 | 4.5 | 4.0 | 4.2 |
| November | 28.677 | 29.110 | 28.190 | 31.7 | 39.5 | 47.8 | 28.8 | 38.3 | 76 | − 2 | 27 | 27 | 83 | 64 | .155 | .156 | 1.32 | 1.04 | 3.6 | 3.2 | 4.2 |
| December | 28.566 | 29.130 | 28.060 | 13.5 | 21.2 | 30.6 | 7.6 | 19.1 | 62 | −20 | 10 | 13 | 88 | 72 | .080 | .089 | .66 | .20 | 3.4 | 2.6 | 4.3 |
| Year | 28.613 | 29.330 | 27.890 | 41.0 | 51.6 | 58.5 | 37.3 | 47.9 | 99 | −24 | 37 | 39 | 86 | 66 | .281 | .310 | 22.48 | 2.63 | 4.8 | 4.2 | 4.9 |

### DUBUQUE, IOWA.

[$\phi$=42° 30′ N.; $\lambda$=90° 44′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.376 | 29.930 | 28.690 | 19.3 | 22.6 | 30.7 | 12.4 | 21.6 | 51 | −22 | 14 | 18 | 81 | 80 | 0.103 | 0.118 | 2.46 | 0.81 | 5.7 | 5.4 | 6.4 |
| February | 29.436 | 29.953 | 28.980 | 15.3 | 22.4 | 27.6 | 12.6 | 20.1 | 47 | −10 | 12 | 16 | 85 | 74 | .080 | .094 | .76 | .39 | 6.1 | 4.8 | 5.6 |
| March | 29.248 | 29.690 | 28.470 | 27.1 | 37.6 | 42.4 | 24.7 | 33.6 | 66 | 6 | 23 | 25 | 82 | 59 | .131 | .146 | 3.91 | 1.54 | 7.0 | 6.4 | 7.0 |
| April | 29.232 | 29.598 | 28.660 | 41.8 | 50.9 | 57.0 | 39.3 | 48.2 | 82 | 22 | 34 | 33 | 75 | 54 | .204 | .203 | 2.69 | 1.32 | 6.4 | 6.6 | 6.5 |
| May | 29.140 | 29.540 | 28.650 | 54.3 | 65.0 | 69.0 | 50.9 | 60.0 | 85 | 35 | 46 | 48 | 75 | 55 | .334 | .359 | 2.49 | .89 | 5.8 | 4.9 | 6.3 |
| June | 29.137 | 29.502 | 28.640 | 59.1 | 68.8 | 72.7 | 55.3 | 64.0 | 90 | 49 | 53 | 54 | 82 | 61 | .408 | .424 | 4.61 | 1.27 | 4.9 | 5.6 | 6.0 |
| July | 29.278 | 29.510 | 29.020 | 73.0 | 85.9 | 91.2 | 69.4 | 80.3 | 100 | 57 | 65 | 67 | 77 | 55 | .628 | .675 | .85 | .41 | 2.2 | 3.9 | 3.6 |
| August | 29.275 | 29.560 | 29.060 | 67.2 | 79.0 | 85.5 | 64.4 | 75.0 | 99 | 48 | 60 | 60 | 79 | 55 | .542 | .554 | 1.49 | .96 | 4.3 | 3.7 | 4.5 |
| September | 29.274 | 29.612 | 28.700 | 55.8 | 64.1 | 71.9 | 52.4 | 62.2 | 89 | 35 | 50 | 51 | 81 | 64 | .386 | .414 | 6.19 | 2.02 | 4.5 | 3.9 | 4.6 |
| October | 29.319 | 29.807 | 28.700 | 44.9 | 53.6 | 61.3 | 41.8 | 51.6 | 85 | 32 | 38 | 40 | 79 | 62 | .241 | .262 | 3.32 | 1.24 | 4.7 | 4.8 | 5.3 |
| November | 29.330 | 29.732 | 28.686 | 32.7 | 39.7 | 46.0 | 29.3 | 37.6 | 73 | 5 | 28 | 29 | 81 | 67 | .159 | .171 | 1.17 | .55 | 5.3 | 4.9 | 5.6 |
| December | 29.247 | 29.870 | 28.750 | 15.3 | 21.5 | 27.6 | 11.0 | 19.3 | 61 | −15 | 10 | 14 | 81 | 71 | .082 | .094 | .95 | .33 | 4.2 | 4.8 | 5.3 |
| Year | 29.274 | 29.953 | 28.470 | 42.2 | 50.9 | 56.9 | 38.6 | 47.8 | 100 | −22 | 36 | 38 | 80 | 63 | .275 | .293 | 30.89 | 2.02 | 5.1 | 5.0 | 5.6 |

### DULUTH, MINN.

[$\phi$=46° 47′ N.; $\lambda$=92° 6′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.800 | 29.306 | 28.130 | 2.0 | 8.3 | 15.6 | −5.4 | 5.1 | 38 | −33 | 1 | 6 | 95 | 88 | 0.053 | 0.065 | 3.48 | 0.98 | 4.8 | 5.9 | 5.8 |
| February | 28.889 | 29.470 | 28.490 | 2.1 | 10.0 | 15.9 | −1.9 | 7.0 | 45 | −24 | 0 | 5 | 92 | 77 | .048 | .057 | .36 | .11 | 5.3 | 4.4 | 4.6 |
| March | 28.778 | 29.200 | 28.050 | 15.0 | 21.7 | 26.7 | 11.1 | 18.9 | 45 | − 9 | 12 | 16 | 87 | 78 | .082 | .095 | 2.48 | .73 | 5.1 | 5.0 | 4.7 |
| April | 28.741 | 29.124 | 28.220 | 33.8 | 39.5 | 46.2 | 29.7 | 38.0 | 66 | 8 | 29 | 30 | 81 | 70 | .163 | .170 | 3.27 | 1.31 | 5.0 | 6.1 | 5.7 |
| May | 28.618 | 29.102 | 28.010 | 44.1 | 49.0 | 56.3 | 38.6 | 47.4 | 72 | 30 | 36 | 36 | 74 | 65 | .217 | .221 | 3.57 | 1.20 | 6.3 | 5.5 | 6.9 |
| June | 28.679 | 29.050 | 28.325 | 51.4 | 56.7 | 62.6 | 45.0 | 53.8 | 76 | 36 | 46 | 47 | 82 | 73 | .310 | .327 | 5.81 | 1.61 | 5.6 | 5.1 | 6.3 |
| July | 28.805 | 29.120 | 28.560 | 64.5 | 71.5 | 78.4 | 57.7 | 68.0 | 96 | 46 | 58 | 60 | 82 | 69 | .505 | .537 | 1.19 | .61 | 4.7 | 3.1 | 4.5 |
| August | 28.764 | 29.130 | 28.460 | 60.7 | 66.7 | 75.3 | 54.9 | 65.1 | 90 | 43 | 55 | 56 | 82 | 69 | .443 | .458 | 3.37 | 1.93 | 5.1 | 2.4 | 4.8 |
| September | 28.726 | 29.150 | 28.250 | 47.9 | 52.7 | 62.1 | 43.8 | 53.0 | 76 | 30 | 44 | 46 | 85 | 78 | .208 | .320 | 4.25 | 1.00 | 5.8 | 4.9 | 7.1 |
| October | 28.769 | 29.300 | 28.070 | 37.8 | 42.0 | 50.0 | 34.1 | 42.0 | 71 | 19 | 33 | 34 | 82 | 74 | .191 | .199 | 1.13 | .40 | 5.5 | 6.4 | 6.6 |
| November | 28.791 | 29.360 | 28.220 | 25.0 | 29.4 | 37.1 | 21.4 | 29.2 | 66 | 0 | 21 | 20 | 85 | 68 | .119 | .113 | .09 | .04 | 6.2 | 4.5 | 5.8 |
| December | 28.676 | 29.220 | 28.270 | 4.3 | 10.5 | 16.7 | 0.8 | 8.8 | 45 | −23 | 2 | 6 | 89 | 83 | .058 | .071 | .38 | .09 | 3.7 | 3.4 | 5.0 |
| Year | 28.753 | 29.470 | 28.010 | 32.4 | 38.2 | 45.2 | 27.5 | 36.4 | 96 | −33 | 28 | 30 | 85 | 74 | .207 | .219 | 29.38 | 1.93 | 5.3 | 4.7 | 5.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

DODGE CITY, KANS.

[$H_b$=2,509 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=51 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 10.1 | N. | 35 | NW. | 0 | 10 | 9 | 8 | 11 | 6 | 7 | 4 | 6 | 1 | 8 | 12 | 11 | 12 | 8 | 11 | 11 | 0 | 5 | 15 | 0 | 27 | 0 | 0 |
| February | 8.9 | N. | 35 | SE. | 0 | 11 | 10 | 8 | 5 | 7 | 4 | 5 | 8 | 0 | 15 | 9 | 5 | 2 | 1 | 4 | 2 | 0 | 3 | 6 | 0 | 25 | 0 | 0 |
| March | 11.9 | N. | 44 | S. | 1 | 12 | 10 | 3 | 3 | 8 | 7 | 9 | 10 | 0 | 16 | 11 | 4 | 5 | 4 | 5 | 4 | 0 | 0 | 1 | 0 | 13 | 0 | 0 |
| April | 11.9 | NW. | 43 | NW. | 1 | 10 | 10 | 6 | 6 | 9 | 3 | 7 | 9 | 0 | 10 | 11 | 9 | 9 | 8 | 4 | 4 | 1 | 0 | 0 | 0 | 6 | 1 | 0 |
| May | 12.2 | S. | 37 | S. | 0 | 14 | 10 | 7 | 10 | 15 | 1 | 4 | 1 | 0 | 15 | 10 | 6 | 8 | 4 | 0 | 0 | 1 | 3 | 0 | 6 | 1 | 4 | 0 |
| June | 11.1 | SE. | 38 | NE. | 0 | 7 | 13 | 10 | 14 | 12 | 2 | 2 | 0 | 0 | 13 | 13 | 4 | 13 | 12 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 13 | 0 |
| July | 9.1 | S. | 27 | SE. | 0 | 1 | 2 | 2 | 29 | 21 | 4 | 3 | 0 | 0 | 22 | 9 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 29 | 0 | 7 | 0 |
| August | 10.2 | S. | 39 | SE. | 0 | 6 | 6 | 9 | 8 | 30 | 0 | 2 | 1 | 0 | 14 | 14 | 3 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 8 | 0 |
| September | 10.4 | S. | 35 | SE. | 0 | 8 | 8 | 5 | 9 | 20 | 5 | 0 | 5 | 0 | 13 | 16 | 1 | 7 | 4 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 6 | 0 |
| October | 11.7 | S. | 37 | S. | 0 | 10 | 9 | 7 | 8 | 23 | 0 | 1 | 4 | 0 | 19 | 7 | 5 | 6 | 3 | 1 | 1 | 1 | 1 | 0 | 1 | 3 | 3 | 0 |
| November | 10.3 | N. | 38 | S. | 0 | 22 | 5 | 4 | 3 | 10 | 1 | 10 | 5 | 0 | 21 | 5 | 4 | 1 | 0 | 3 | 1 | 0 | 0 | 2 | 0 | 23 | 0 | 0 |
| December | 9.6 | N. | 33 | S. | 0 | 16 | 7 | 6 | 8 | 8 | 3 | 9 | 4 | 1 | 16 | 10 | 5 | 6 | 4 | 7 | 6 | 0 | 0 | 7 | 0 | 28 | 0 | 0 |
| Year | 10.6 | S. | 44 | S. | 2 | 127 | 99 | 75 | 114 | 169 | 37 | 56 | 53 | 2 | 182 | 127 | 57 | 79 | 57 | 35 | 29 | 5 | 14 | 31 | 66 | 126 | 39 | 0 |

DREXEL, NEBR.

[$H_b$=1,299 ft.; $h_t$=10 ft.; $h_r$=3 ft.; $h_a$=54 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.0 | NW. | 40 | NW. | 1 | 2 | 7 | 0 | 10 | 9 | 9 | 2 | 23 | 0 | 7 | 10 | 14 | 9 | 7 | 10 | 7 | 0 | 3 | 19 | 0 | 30 | 0 | 0 |
| February | 9.8 | NW. | 31 | NW. | 0 | 14 | 5 | 3 | 7 | 4 | 7 | 2 | 16 | 0 | 9 | 11 | 9 | 3 | 2 | 8 | 3 | 0 | 2 | 16 | 0 | 28 | 0 | 0 |
| March | 13.6 | SE. | 46 | NW. | 3 | 13 | 9 | 4 | 14 | 5 | 5 | 1 | 11 | 0 | 4 | 18 | 9 | 7 | 5 | 7 | 3 | 0 | 0 | 3 | 0 | 22 | 1 | 1 |
| April | 11.8 | NW. | 39 | S. | 0 | 7 | 14 | 1 | 2 | 14 | 2 | 8 | 11 | 1 | 4 | 10 | 16 | 9 | 9 | 4 | 3 | 0 | 0 | 0 | 0 | 11 | 3 | 0 |
| May | 13.1 | S. | 46 | S. | 2 | 2 | 7 | 6 | 7 | 13 | 8 | 7 | 12 | 0 | 13 | 7 | 11 | 12 | 10 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 10 | 0 |
| June | 9.5 | NW. | 40 | E. | 1 | 7 | 4 | 6 | 10 | 10 | 2 | 5 | 15 | 1 | 12 | 11 | 7 | 12 | 8 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 8 | 0 |
| July | 8.7 | S. | 29 | S. | 0 | 2 | 10 | 4 | 23 | 17 | 4 | 0 | 2 | 0 | 22 | 7 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 8 | 0 |
| August | 9.2 | S. | 31 | SW. | 0 | 9 | 12 | 4 | 16 | 13 | 7 | 1 | 0 | 0 | 14 | 13 | 4 | 8 | 7 | 0 | 0 | 0 | 2 | 0 | 11 | 0 | 11 | 0 |
| September | 10.2 | S. | 33 | SW. | 0 | 7 | 6 | 1 | 16 | 13 | 4 | 1 | 12 | 0 | 15 | 10 | 5 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 2 | 1 | 4 | 0 |
| October | 11.5 | NE. | 39 | S. | 0 | 4 | 13 | 2 | 14 | 12 | 5 | 1 | 11 | 0 | 16 | 7 | 8 | 3 | 3 | 2 | 2 | 0 | 2 | 0 | 1 | 6 | 1 | 0 |
| November | 11.9 | SW. | 33 | SW. | 0 | 8 | 10 | 2 | 3 | 6 | 10 | 3 | 18 | 0 | 16 | 5 | 9 | 4 | 4 | 3 | 3 | 0 | 0 | 5 | 0 | 19 | 1 | 0 |
| December | 11.3 | NW. | 38 | SE. | 0 | 6 | 7 | 2 | 7 | 10 | 8 | 3 | 19 | 0 | 15 | 8 | 8 | 7 | 5 | 8 | 5 | 0 | 0 | 19 | 0 | 31 | 1 | 0 |
| Year | 11.1 | NW. | 46 | NW. | 7 | 81 | 104 | 35 | 129 | 126 | 71 | 34 | 150 | 2 | 147 | 117 | 102 | 80 | 65 | 42 | 26 | 2 | 12 | 62 | 39 | 148 | 48 | 1 |

DUBUQUE, IOWA.

[$H_b$=698 ft.; $h_t$=81 ft.; $h_r$=76 ft.; $h_a$=96 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.8 | NW. | 31 | NW. | 0 | 5 | 4 | 0 | 3 | 19 | 6 | 3 | 22 | 0 | 8 | 7 | 16 | 12 | 10 | 10 | 5 | 0 | 1 | 16 | 0 | 27 | 0 | 0 |
| February | 6.5 | NW. | 25 | NW. | 0 | 9 | 5 | 2 | 3 | 9 | 5 | 9 | 16 | 0 | 8 | 10 | 11 | 10 | 4 | 13 | 9 | 0 | 1 | 19 | 0 | 28 | 0 | 0 |
| March | 8.2 | N. | 27 | NW. | 0 | 10 | 9 | 5 | 11 | 7 | 2 | 1 | 17 | 0 | 4 | 10 | 17 | 11 | 8 | 9 | 4 | 0 | 2 | 7 | 0 | 22 | 4 | 1 |
| April | 8.1 | NW. | 27 | SW. | 0 | 6 | 6 | 5 | 6 | 8 | 6 | 3 | 20 | 0 | 9 | 6 | 15 | 10 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 0 |
| May | 7.4 | S. | 29 | NW. | 0 | 3 | 2 | 1 | 15 | 12 | 9 | 5 | 15 | 0 | 8 | 8 | 15 | 17 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 8 | 0 |
| June | 6.4 | NW. | 29 | NW. | 0 | 4 | 5 | 8 | 7 | 11 | 1 | 4 | 20 | 0 | 5 | 15 | 10 | 14 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 |
| July | 4.3 | SE. | 28 | NW. | 0 | 11 | 5 | 4 | 12 | 8 | 9 | 6 | 6 | 1 | 16 | 13 | 2 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 17 | 0 | 5 | 0 |
| August | 5.3 | S. | 22 | S. | 0 | 12 | 6 | 1 | 8 | 21 | 6 | 0 | 7 | 1 | 15 | 9 | 7 | 5 | 4 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 5 | 1 |
| September | 6.2 | S. | 24 | SW. | 0 | 3 | 1 | 1 | 4 | 25 | 7 | 2 | 15 | 2 | 11 | 14 | 5 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| October | 6.9 | S. | 35 | NW. | 0 | 9 | 1 | 1 | 6 | 23 | 5 | 2 | 15 | 0 | 11 | 9 | 11 | 13 | 11 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 |
| November | 6.5 | NW. | 31 | NW. | 0 | 9 | 6 | 2 | 5 | 11 | 7 | 8 | 11 | 1 | 12 | 4 | 14 | 8 | 4 | 6 | 3 | 0 | 2 | 6 | 0 | 18 | 0 | 0 |
| December | 6.6 | NW. | 26 | NW. | 0 | 4 | 2 | 5 | 3 | 14 | 4 | 6 | 23 | 1 | 14 | 4 | 13 | 10 | 5 | 11 | 8 | 0 | 1 | 20 | 0 | 26 | 0 | 0 |
| Year | 6.7 | NW. | 35 | NW. | 0 | 85 | 52 | 35 | 83 | 168 | 67 | 49 | 187 | 6 | 121 | 109 | 136 | 125 | 87 | 50 | 29 | 3 | 12 | 68 | 26 | 127 | 40 | 2 |

DULUTH, MINN.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 16.1 | SW. | 62 | NW. | 6 | 1 | 8 | 3 | 3 | 4 | 15 | 19 | 9 | 0 | 10 | 9 | 12 | 12 | 10 | 17 | 12 | 0 | 1 | 29 | 0 | 31 | 0 | 1 |
| February | 13.3 | W. | 48 | NW. | 4 | 2 | 4 | 3 | 0 | 3 | 16 | 15 | 15 | 0 | 12 | 11 | 6 | 9 | 3 | 11 | 9 | 0 | 0 | 26 | 0 | 29 | 0 | 0 |
| March | 14.0 | NE. | 57 | W. | 3 | 6 | 27 | 1 | 1 | 0 | 9 | 9 | 9 | 0 | 14 | 6 | 11 | 12 | 9 | 13 | 10 | 0 | 2 | 19 | 0 | 31 | 0 | 3 |
| April | 15.8 | NE. | 53 | NE. | 5 | 4 | 16 | 2 | 0 | 3 | 7 | 16 | 11 | 1 | 8 | 11 | 11 | 9 | 8 | 3 | 2 | 0 | 2 | 3 | 0 | 16 | 1 | 1 |
| May | 16.1 | NE. | 64 | W. | 9 | 2 | 27 | 1 | 1 | 1 | 11 | 16 | 3 | 0 | 4 | 13 | 14 | 15 | 12 | 1 | 0 | 2 | 4 | 0 | 0 | 3 | 7 | 0 |
| June | 11.1 | NE. | 42 | SW. | 2 | 6 | 29 | 2 | 0 | 1 | 3 | 10 | 9 | 0 | 9 | 4 | 17 | 12 | 10 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 8 | 0 |
| July | 11.2 | NE. | 36 | S. | 0 | 4 | 28 | 0 | 1 | 3 | 11 | 10 | 5 | 0 | 12 | 16 | 3 | 5 | 4 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 4 | 2 |
| August | 11.8 | W. | 44 | W. | 1 | 4 | 13 | 0 | 1 | 0 | 18 | 15 | 11 | 0 | 10 | 17 | 4 | 13 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 8 | 3 |
| September | 12.1 | SW. | 36 | W. | 0 | 1 | 15 | 2 | 2 | 3 | 12 | 17 | 8 | 0 | 6 | 8 | 16 | 10 | 9 | 1 | 0 | 0 | 4 | 0 | 0 | 4 | 7 | 1 |
| October | 12.9 | W. | 54 | NW. | 4 | 3 | 7 | 4 | 2 | 7 | 10 | 19 | 10 | 0 | 9 | 4 | 18 | 10 | 7 | 5 | 5 | 0 | 0 | 0 | 0 | 15 | 0 | 0 |
| November | 13.0 | W. | 52 | W. | 2 | 2 | 9 | 1 | 2 | 2 | 14 | 19 | 11 | 0 | 8 | 10 | 12 | 4 | 1 | 9 | 4 | 0 | 1 | 7 | 0 | 24 | 0 | 1 |
| December | 16.2 | W. | 48 | NW. | 4 | 5 | 8 | 1 | 0 | 3 | 17 | 14 | 14 | 0 | 13 | 8 | 10 | 7 | 5 | 12 | 4 | 0 | 3 | 24 | 0 | 30 | 0 | 0 |
| Year | 13.6 | NE. | 64 | W. | 40 | 40 | 191 | 20 | 13 | 30 | 143 | 179 | 115 | 1 | 115 | 117 | 134 | 118 | 88 | 72 | 46 | 3 | 32 | 108 | 2 | 183 | 35 | 12 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

DUTCH HARBOR, ALASKA.

[$\phi$=53° 54′ N.; $\lambda$=166° 32′ 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 | | | | | 36.6 | 40.7 | 30.2 | 35.4 | 48 | 17 | | | | | | | 2.61 | 0.65 | | 8.4 | |
| February | | | | | 30.6 | 33.8 | 24.9 | 29.4 | 43 | 7 | | | | | | | 5.10 | 1.43 | | 10.0 | |
| March | | | | | 29.3 | 32.5 | 22.5 | 27.5 | 41 | 13 | | | | | | | 1.75 | .48 | | 8.1 | |
| April | | | | | 35.0 | 38.5 | 27.9 | 33.2 | 47 | 22 | | | | | | | 1.17 | .39 | | 7.4 | |
| May | | | | | 39.7 | 43.5 | 31.4 | 37.4 | 55 | 27 | | | | | | | 3.45 | 1.10 | | 8.7 | |
| June | | | | | 44.1 | 47.8 | 36.6 | 42.2 | 57 | 30 | | | | | | | 1.25 | .38 | | 8.9 | |
| July | | | | | 49.7 | 54.7 | 41.2 | 48.0 | 68 | 36 | | | | | | | 1.07 | .35 | | 8.3 | |
| August | | | | | 51.1 | 55.5 | 43.2 | 49.3 | 63 | 39 | | | | | | | 2.25 | .43 | | 7.7 | |
| September | | | | | 48.1 | 52.2 | 41.5 | 46.8 | 62 | 28 | | | | | | | 3.14 | .64 | | 8.3 | |
| October | | | | | 43.8 | 47.3 | 38.3 | 42.8 | 65 | 29 | | | | | | | 10.27 | 1.63 | | 9.1 | |
| November | | | | | 35.0 | 38.5 | 30.4 | 34.4 | 47 | 23 | | | | | | | 4.00 | .61 | | 9.5 | |
| December | | | | | 31.2 | 34.7 | 26.8 | 30.8 | 42 | 15 | | | | | | | 4.89 | .95 | | 8.6 | |
| Year | | | | | 39.5 | 43.3 | 32.9 | 38.1 | 68 | 7 | | | | | | | 40.95 | 1.63 | | 8.6 | |

EAGLE, ALASKA.

[$\phi$=64° 46′ N.; $\gamma$=141° 12′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.499 | 29.840 | 28.565 | | -15.3 | -7.4 | -25.9 | -16.6 | 20 | -67 | | | | | | | 1.08 | 0.40 | | 3.7 | 4.6 |
| February | 29.243 | 29.912 | 28.361 | | - 8.5 | 1.4 | -20.5 | - 9.6 | 37 | -50 | | | | | | | .47 | .14 | | 3.7 | 4.2 |
| March | 29.050 | 29.909 | 28.531 | | -10.9 | 9.9 | -24.4 | - 7.2 | 46 | -48 | | | | | | | .06 | .06 | | 4.1 | 5.1 |
| April | 28.849 | 29.340 | 28.138 | | 40.7 | 47.4 | 24.4 | 35.9 | 66 | 10 | | | | | | | .23 | .13 | | 6.0 | 6.1 |
| May | 28.842 | 29.468 | 28.416 | | 53.2 | 59.5 | 33.7 | 46.6 | 79 | 21 | | | | | | | 1.34 | .48 | | 7.7 | 7.4 |
| June | 28.816 | 29.019 | 28.510 | | 65.9 | 73.2 | 44.7 | 59.0 | 89 | 33 | | | | | | | .92 | .31 | | 6.3 | 6.4 |
| July | 28.878 | 29.127 | 28.637 | | 65.8 | 73.1 | 46.1 | 59.6 | 85 | 30 | | | | | | | 1.59 | .36 | | 5.9 | 6.1 |
| August | 29.836 | 29.165 | 28.474 | | 59.0 | 65.9 | 40.5 | 53.2 | 79 | 26 | | | | | | | 2.18 | .67 | | 6.3 | 6.9 |
| September | 28.814 | 29.292 | 28.479 | | 46.4 | 53.3 | 33.6 | 43.4 | 74 | 21 | | | | | | | 1.86 | .69 | | 8.6 | 8.9 |
| October | 28.862 | 29.341 | 28.355 | | 31.0 | 36.8 | 24.7 | 30.8 | 52 | - 1 | | | | | | | .96 | .21 | | 7.2 | 8.8 |
| November | 28.825 | 29.914 | 28.122 | | 10.2 | 15.3 | 2.1 | 8.7 | 46 | -31 | | | | | | | .24 | .10 | | 7.4 | 8.3 |
| December | 28.935 | 29.629 | 28.241 | | 12.8 | - 5.5 | -23.2 | -14.4 | 18 | -54 | | | | | | | .69 | .36 | | 5.8 | 6.5 |
| Year | 29.046 | 29.914 | 28.122 | | 27.1 | 35.2 | 13.0 | 24.1 | 89 | -67 | | | | | | | 11.62 | .69 | | 6.1 | 6.6 |

* 8 p. m. observation.

EASTPORT, ME.

[$\phi$=44° 54′ N.; $\lambda$=66° 59′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.003 | 30.520 | 29.230 | 21.3 | 24.1 | 31.3 | 13.8 | 22.6 | 48 | - 6 | 15 | 18 | 73 | 76 | 0.101 | 0.114 | 1.86 | 0.61 | 5.7 | 6.1 | 6.5 |
| February | 29.823 | 30.460 | 28.640 | 17.7 | 20.6 | 26.1 | 12.6 | 19.4 | 49 | -12 | 11 | 15 | 74 | 78 | .090 | .095 | 2.65 | .64 | 6.7 | 6.4 | 6.8 |
| March | 29.714 | 30.100 | 28.680 | 21.0 | 25.7 | 31.3 | 17.8 | 24.6 | 50 | 4 | 13 | 19 | 71 | 75 | .084 | .107 | 1.64 | .39 | 5.8 | 4.7 | 5.7 |
| April | 29.809 | 30.310 | 29.260 | 37.8 | 39.0 | 45.9 | 33.7 | 39.8 | 58 | 25 | 31 | 33 | 76 | 80 | .172 | .190 | 2.57 | .71 | 6.0 | 6.2 | 7.2 |
| May | 29.779 | 30.173 | 29.220 | 45.4 | 46.6 | 55.2 | 40.1 | 47.6 | 74 | 34 | 39 | 40 | 79 | 79 | .239 | .249 | 1.38 | .38 | 6.2 | 6.9 | 7.4 |
| June | 29.876 | 30.230 | 29.470 | 52.2 | 52.8 | 60.7 | 46.3 | 53.5 | 72 | 40 | 47 | 49 | 84 | 87 | .330 | .346 | 3.79 | 1.06 | 6.3 | 5.9 | 7.0 |
| July | 29.891 | 30.274 | 29.430 | 58.2 | 57.4 | 67.2 | 50.4 | 58.8 | 86 | 47 | 54 | 54 | 86 | 89 | .417 | .421 | 4.87 | 1.76 | 5.7 | 5.2 | 7.0 |
| August | 29.868 | 30.233 | 29.400 | 59.3 | 58.5 | 68.7 | 51.6 | 60.2 | 80 | 47 | 54 | 54 | 84 | 84 | .426 | .415 | 1.82 | .54 | 3.8 | 4.5 | 5.2 |
| September | 29.927 | 30.450 | 29.510 | 55.0 | 54.1 | 63.5 | 48.2 | 55.8 | 79 | 41 | 49 | 48 | 81 | 82 | .358 | .346 | 2.41 | 1.07 | 4.6 | 3.1 | 5.2 |
| October | 30.004 | 30.546 | 29.270 | 46.8 | 47.3 | 55.9 | 40.9 | 48.4 | 73 | 30 | 40 | 40 | 77 | 78 | .255 | .260 | 2.73 | 1.21 | 4.8 | 4.0 | 5.5 |
| November | 29.951 | 30.450 | 29.060 | 33.4 | 35.0 | 40.5 | 28.0 | 34.2 | 57 | 11 | 26 | 28 | 71 | 74 | .150 | .166 | 2.12 | .90 | 6.2 | 5.4 | 6.5 |
| December | 29.651 | 30.290 | 28.160 | 24.7 | 26.8 | 32.3 | 20.8 | 26.5 | 52 | - 1 | 16 | 19 | 69 | 71 | .109 | .118 | 3.98 | 1.68 | 6.8 | 6.0 | 6.7 |
| Year | 29.858 | 30.546 | 28.160 | 39.4 | 40.7 | 48.2 | 33.7 | 41.0 | 86 | -12 | 33 | 35 | 77 | 79 | .228 | .236 | 31.82 | 1.76 | 5.7 | 5.4 | 6.4 |

ELKINS, W. VA.

[$\phi$=38° 53′ N.; $\lambda$=79° 49′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.131 | 28.460 | 27.700 | 31.5 | 38.8 | 50.0 | 25.6 | 37.8 | 72 | -5 | 27 | 31 | 84 | 74 | 0.176 | 0.201 | 6.31 | 1.51 | 7.5 | 6.5 | 7.6 |
| February | 27.966 | 28.440 | 27.350 | 24.7 | 30.7 | 39.3 | 19.6 | 29.4 | 63 | -6 | 21 | 24 | 85 | 76 | .123 | .139 | 4.02 | 1.58 | 8.8 | 7.1 | 8.3 |
| March | 27.852 | 28.230 | 27.010 | 31.8 | 37.8 | 48.0 | 25.5 | 36.8 | 82 | 6 | 27 | 29 | 82 | 71 | .161 | .174 | 5.53 | 1.28 | 8.1 | 5.7 | 7.6 |
| April | 27.915 | 28.162 | 27.540 | 43.6 | 49.4 | 58.6 | 37.4 | 48.0 | 83 | 23 | 35 | 37 | 75 | 65 | .214 | .231 | 3.43 | .89 | 7.1 | 8.2 | 8.2 |
| May | 27.936 | 28.220 | 27.630 | 57.0 | 63.7 | 74.8 | 49.9 | 62.4 | 87 | 34 | 48 | 48 | 74 | 61 | .352 | .365 | 4.29 | .80 | 6.7 | 7.9 | 7.0 |
| June | 27.923 | 28.220 | 27.560 | 57.8 | 65.0 | 76.2 | 51.2 | 63.7 | 87 | 40 | 54 | 56 | 86 | 73 | .416 | .451 | 4.86 | 1.30 | 6.7 | 7.2 | 7.3 |
| July | 28.026 | 28.270 | 27.750 | 66.5 | 73.0 | 83.7 | 61.5 | 72.6 | 89 | 51 | 61 | 65 | 85 | 76 | .547 | .612 | 6.29 | 2.62 | 6.7 | 7.8 | 7.1 |
| August | 28.046 | 28.222 | 27.840 | 63.2 | 68.7 | 82.1 | 58.5 | 70.3 | 90 | 45 | 60 | 63 | 90 | 83 | .531 | .592 | 3.13 | 1.37 | 6.4 | 6.9 | 6.0 |
| September | 28.078 | 28.332 | 27.830 | 51.5 | 58.7 | 74.4 | 46.2 | 60.3 | 86 | 31 | 48 | 53 | 90 | 82 | .358 | .418 | 4.87 | 1.85 | 4.1 | 3.4 | 4.5 |
| October | 28.103 | 28.335 | 27.480 | 40.4 | 50.7 | 67.6 | 35.5 | 51.6 | 86 | 24 | 38 | 42 | 90 | 73 | .237 | .279 | 2.32 | .79 | 4.6 | 3.7 | 4.3 |
| November | 28.086 | 28.390 | 27.340 | 34.6 | 41.0 | 54.7 | 28.5 | 41.6 | 75 | 15 | 30 | 32 | 82 | 72 | .173 | .195 | 1.50 | .65 | 6.1 | 3.3 | 5.4 |
| December | 27.946 | 28.380 | 27.340 | 25.8 | 32.8 | 44.3 | 20.5 | 32.4 | 70 | 1 | 22 | 23 | 85 | 67 | .125 | .131 | 3.20 | .79 | 7.7 | 5.8 | 6.6 |
| Year | 28.001 | 28.460 | 27.010 | 44.0 | 50.9 | 62.8 | 38.3 | 50.6 | 90 | -6 | 39 | 42 | 84 | 73 | .284 | .316 | 49.75 | 2.62 | 6.7 | 6.1 | 6.7 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

DUTCH HARBOR, ALASKA.

[$H_b$=13 ft.; $h_t$=3 ft.; $h_r$=3 ft.; $h_a$=— ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Miles | | Mi. | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | ..... | SE. | .... | ..... | .... | 0 | 3 | 0 | 20 | 1 | 0 | 0 | 0 | 7 | .... | .... | .... | 13 | 12 | .... | .... | .... | .... | 2 | 0 | 22 | .... | .... |
| February | ..... | N. | .... | ..... | .... | 6 | 5 | 2 | 6 | 1 | 2 | 0 | 3 | 4 | .... | .... | .... | 19 | 15 | .... | .... | .... | .... | 10 | 0 | 24 | .... | .... |
| March | ..... | NW. | .... | ..... | .... | 5 | 4 | 0 | 6 | 0 | 1 | 1 | 9 | 5 | .... | .... | .... | 9 | 9 | .... | .... | .... | .... | 13 | 0 | 31 | .... | .... |
| April | ..... | SE. | .... | ..... | .... | 8 | 1 | 0 | 11 | 2 | 3 | 0 | 3 | 2 | .... | .... | .... | 6 | 6 | .... | .... | .... | .... | 3 | 0 | 23 | .... | .... |
| May | ..... | SE. | .... | ..... | .... | 2 | 3 | 0 | 11 | 2 | 8 | 0 | 3 | 2 | .... | .... | .... | 13 | 13 | .... | .... | .... | .... | 0 | 0 | 19 | .... | .... |
| June | ..... | SE. | .... | ..... | .... | 2 | 11 | 0 | 13 | 0 | 1 | 1 | 0 | 2 | .... | .... | .... | 10 | 5 | .... | .... | .... | .... | 0 | 0 | 1 | .... | .... |
| July | ..... | SE. | .... | ..... | .... | 1 | 10 | 1 | 12 | 0 | 2 | 0 | 2 | 3 | .... | .... | .... | 9 | 8 | .... | .... | .... | .... | 0 | 0 | 0 | .... | .... |
| August | ..... | SE. | .... | ..... | .... | 0 | 4 | 0 | 12 | 3 | 5 | 2 | 1 | 4 | .... | .... | .... | 15 | 15 | .... | .... | .... | .... | 0 | 0 | 0 | .... | .... |
| September | ..... | SE. | .... | ..... | .... | 0 | 8 | 0 | 9 | 5 | 4 | 0 | 3 | 1 | .... | .... | .... | 14 | 12 | .... | .... | .... | .... | 0 | 0 | 1 | .... | .... |
| October | ..... | SE. | .... | ..... | .... | 1 | 3 | 0 | 15 | 0 | 5 | 1 | 4 | 1 | .... | .... | .... | 25 | 21 | .... | .... | .... | .... | 0 | 0 | 6 | .... | .... |
| November | ..... | NW. | .... | ..... | .... | 3 | 4 | 0 | 1 | 0 | 8 | 2 | 8 | 4 | .... | .... | .... | 22 | 21 | .... | .... | .... | .... | 1 | 0 | 22 | .... | .... |
| December | ..... | NW. | .... | ..... | .... | 4 | 5 | 4 | 9 | 4 | 9 | 1 | 11 | 0 | .... | .... | .... | 22 | 18 | .... | .... | .... | .... | 7 | 0 | 29 | .... | .... |
| Year | ..... | SE. | .... | ..... | .... | 32 | 61 | 7 | 125 | 18 | 48 | 8 | 47 | 35 | .... | .... | .... | 177 | 155 | .... | .... | .... | .... | 36 | 0 | 178 | .... | .... |

EAGLE, ALASKA.

[$H_b$=815 ft.; $h_t$=6 ft.; $h_r$=— feet.; $h_a$=— ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | E. | .... | ..... | .... | 5 | 3 | 13 | 2 | 1 | 0 | 3 | 1 | 3 | 15 | 4 | 12 | 6 | 6 | 9 | 6 | .... | .... | 31 | 0 | 31 | .... | 12 |
| February | ..... | NW. | .... | ..... | .... | 2 | 5 | 5 | 1 | 1 | 0 | 2 | 6 | 7 | 15 | 5 | 9 | 7 | 7 | 9 | 7 | .... | .... | 25 | 0 | 29 | .... | 14 |
| March | ..... | W. | .... | ..... | .... | 3 | 1 | 1 | 2 | 1 | 0 | 10 | 6 | 7 | 12 | 4 | 15 | 1 | 1 | 7 | 1 | .... | .... | 27 | 0 | 31 | .... | 23 |
| April | ..... | NW. | .... | ..... | .... | 2 | 5 | 2 | 1 | 5 | 1 | 4 | 6 | 4 | 6 | 13 | 11 | 3 | 2 | 9 | 1 | .... | .... | 0 | 0 | 28 | .... | 5 |
| May | ..... | W. | .... | ..... | .... | 3 | 6 | 1 | 1 | 3 | 3 | 6 | 6 | 2 | 3 | 11 | 17 | 10 | 8 | 5 | 3 | .... | .... | 0 | 0 | 12 | .... | 0 |
| June | ..... | NE. | .... | ..... | .... | 0 | 9 | 1 | 4 | 1 | 1 | 2 | 7 | 5 | 4 | 14 | 12 | 10 | 7 | 0 | 0 | .... | .... | 0 | 0 | 0 | 4 | 0 |
| July | ..... | NW. | .... | ..... | .... | 4 | 5 | 3 | 3 | 1 | 0 | 0 | 14 | 1 | 8 | 12 | 11 | 10 | 8 | 0 | 0 | .... | .... | 0 | 0 | 1 | .... | 0 |
| August | ..... | SE. | .... | ..... | .... | 3 | 1 | 0 | 10 | 0 | 2 | 0 | 6 | 9 | 5 | 10 | 16 | 13 | 10 | 0 | 0 | .... | .... | 0 | 0 | 5 | .... | 6 |
| September | ..... | ..... | .... | ..... | .... | 0 | 2 | 2 | 5 | 1 | 1 | 2 | 5 | 12 | 1 | 4 | 25 | 12 | 9 | 3 | 2 | 0 | 2 | 0 | 0 | 15 | .... | 7 |
| October | ..... | ..... | .... | ..... | .... | 0 | 2 | 1 | 12 | 0 | 0 | 4 | 7 | 5 | 1 | 5 | 25 | 11 | 8 | 12 | 4 | 0 | 0 | 8 | 0 | 24 | .... | 5 |
| November | ..... | NE. | .... | ..... | .... | 0 | 4 | 7 | 6 | 0 | 0 | 3 | 5 | 5 | 4 | 3 | 23 | 8 | 2 | 15 | 7 | 0 | 0 | 23 | 0 | 28 | .... | 7 |
| December | ..... | NW. | .... | ..... | .... | 1 | 4 | 5 | 6 | 0 | 1 | 3 | 7 | 4 | 9 | 4 | 18 | 5 | 4 | 15 | 5 | 0 | 0 | 31 | 0 | 31 | .... | 4 |
| Year | ..... | NW. | .... | ..... | .... | 23 | 47 | 41 | 53 | 14 | 9 | 39 | 76 | 64 | 83 | 89 | 194 | 96 | 72 | 84 | 36 | .... | .... | 145 | 0 | 235 | .... | 83 |

EASTPORT, ME.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.1 | W. | 42 | W. | 2 | 2 | 4 | 4 | 2 | 6 | 13 | 18 | 13 | 0 | 6 | 12 | 13 | 15 | 10 | 13 | 10 | 0 | 2 | 15 | 0 | 28 | 0 | 0 |
| February | 10.6 | W. | 40 | NE. | 1 | 8 | 9 | 4 | 3 | 1 | 12 | 17 | 4 | 0 | 7 | 6 | 16 | 15 | 12 | 14 | 12 | 0 | 1 | 19 | 0 | 27 | 0 | 0 |
| March | 15.0 | W. | 56 | NE. | 6 | 13 | 11 | 2 | 2 | 2 | 6 | 16 | 10 | 0 | 10 | 8 | 13 | 11 | 11 | 16 | 11 | 0 | 0 | 19 | 0 | 26 | 0 | 3 |
| April | 13.5 | NE. | 50 | NE. | 2 | 8 | 18 | 7 | 1 | 10 | 3 | 6 | 7 | 0 | 5 | 8 | 17 | 13 | 12 | 5 | 5 | 0 | 1 | 0 | 0 | 10 | 0 | 0 |
| May | 9.8 | S. | 48 | E. | 1 | 5 | 2 | 8 | 3 | 21 | 8 | 9 | 6 | 0 | 2 | 14 | 15 | 16 | 8 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 2 |
| June | 8.7 | S. | 40 | E. | 1 | 3 | 11 | 5 | 2 | 23 | 4 | 5 | 7 | 0 | 3 | 10 | 17 | 14 | 12 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 1 | 1 |
| July | 8.1 | S. | 29 | S. | 0 | 7 | 1 | 2 | 3 | 27 | 13 | 6 | 3 | 0 | 4 | 12 | 15 | 11 | 10 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 6 | 0 |
| August | 7.6 | S. | 23 | NW. | 0 | 0 | 7 | 0 | 1 | 26 | 12 | 8 | 8 | 0 | 12 | 9 | 10 | 9 | 5 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 5 | 0 |
| September | 8.5 | S. | 30 | NW. | 0 | 3 | 2 | 4 | 3 | 18 | 15 | 9 | 6 | 0 | 12 | 10 | 8 | 9 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| October | 9.8 | S. | 46 | SE. | 1 | 6 | 1 | 1 | 0 | 19 | 10 | 10 | 15 | 0 | 11 | 9 | 11 | 8 | 8 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 2 | 0 |
| November | 10.5 | SW. | 54 | S. | 2 | 8 | 5 | 1 | 2 | 6 | 16 | 16 | 6 | 0 | 7 | 10 | 13 | 8 | 7 | 3 | 3 | 0 | 1 | 7 | 0 | 17 | 0 | 0 |
| December | 14.8 | W. | 77 | NE. | 2 | 4 | 2 | 5 | 0 | 5 | 7 | 24 | 15 | 0 | 7 | 6 | 18 | 16 | 11 | 13 | 10 | 0 | 2 | 14 | 0 | 25 | 0 | 0 |
| Year | 10.9 | S. | 77 | NE. | 18 | 67 | 73 | 43 | 22 | 164 | 119 | 144 | 100 | 0 | 86 | 114 | 166 | 145 | 113 | 64 | 51 | 0 | 62 | 74 | 0 | 134 | 14 | 6 |

ELKINS, W. VA.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4.7 | W. | 28 | W. | 0 | 5 | 1 | 0 | 8 | 10 | 10 | 10 | 10 | 8 | 4 | 8 | 19 | 16 | 15 | 7 | 4 | 0 | 5 | 6 | 0 | 16 | 0 | 0 |
| February | 5.1 | W. | 26 | W. | 0 | 11 | 0 | 0 | 2 | 3 | 8 | 23 | 9 | 2 | 3 | 4 | 22 | 16 | 12 | 16 | 10 | 0 | 0 | 9 | 0 | 26 | 0 | 0 |
| March | 5.5 | W. | 30 | NW. | 0 | 6 | 0 | 0 | 7 | 7 | 5 | 24 | 10 | 3 | 3 | 9 | 19 | 20 | 15 | 16 | 12 | 0 | 1 | 4 | 0 | 21 | 3 | 0 |
| April | 5.0 | W. | 29 | W. | 0 | 6 | 2 | 4 | 3 | 12 | 4 | 22 | 6 | 1 | 1 | 8 | 21 | 18 | 12 | 4 | 4 | 0 | 4 | 0 | 0 | 7 | 1 | 0 |
| May | 4.6 | W. | 26 | W. | 0 | 6 | 1 | 0 | 6 | 14 | 7 | 16 | 10 | 2 | 4 | 10 | 17 | 18 | 17 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 9 | 0 |
| June | 3.2 | NW. | 20 | W. | 0 | 10 | 0 | 1 | 8 | 12 | 4 | 9 | 14 | 2 | 3 | 11 | 16 | 14 | 11 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 8 | 0 |
| July | 2.9 | SE. | 23 | NE. | 0 | 9 | 2 | 6 | 16 | 6 | 5 | 5 | 9 | 4 | 3 | 14 | 14 | 12 | 11 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 8 | 0 |
| August | 2.5 | NW. | 21 | W. | 0 | 9 | 1 | 1 | 8 | 8 | 4 | 8 | 14 | 9 | 7 | 12 | 12 | 12 | 8 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 9 | 0 |
| September | 3.0 | W. | 22 | W. | 0 | 6 | 0 | 2 | 9 | 10 | 5 | 12 | 8 | 8 | 13 | 9 | 8 | 9 | 8 | 0 | 0 | 0 | 18 | 0 | 0 | 2 | 4 | 0 |
| October | 3.4 | W. | 23 | SW. | 0 | 9 | 1 | 8 | 4 | 7 | 2 | 10 | 9 | 12 | 17 | 6 | 8 | 12 | 10 | 1 | 0 | 0 | 13 | 0 | 0 | 17 | 2 | 0 |
| November | 3.9 | W. | 26 | W. | 0 | 3 | 0 | 1 | 5 | 6 | 8 | 17 | 12 | 8 | 11 | 8 | 11 | 12 | 9 | 7 | 4 | 0 | 5 | 2 | 0 | 21 | 1 | 0 |
| December | 4.6 | W. | 33 | W. | 0 | 7 | 0 | 0 | 0 | 12 | 9 | 25 | 6 | 3 | 7 | 8 | 16 | 13 | 12 | 14 | 8 | 0 | 1 | 6 | 0 | 28 | 1 | 0 |
| Year | 4.0 | W. | 33 | W. | 0 | 87 | 8 | 23 | 76 | 107 | 71 | 181 | 117 | 62 | 76 | 107 | 183 | 172 | 140 | 65 | 42 | 1 | 76 | 27 | 0 | 138 | 46 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

EL PASO, TEX.

[$\phi$=31° 47′ N.; $\lambda$=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 | 26.167 | 26.540 | 25.750 | 43.2 | 56.7 | 62.2 | 38.7 | 50.4 | 74 | 23 | 28 | 28 | 56 | 35 | 0.155 | 0.164 | 0.66 | 0.61 | 4.6 | 4.6 | 5.0 |
| February | 26.267 | 26.600 | 25.850 | 43.1 | 62.8 | 66.8 | 39.9 | 53.4 | 80 | 18 | 25 | 23 | 48 | 23 | .138 | .129 | .02 | .02 | 1.9 | 2.8 | 3.1 |
| March | 26.180 | 26.520 | 25.791 | 49.2 | 70.4 | 73.8 | 47.0 | 60.4 | 86 | 35 | 26 | 19 | 43 | 18 | .148 | .111 | .34 | .45 | 2.0 | 2.7 | 2.7 |
| April | 26.132 | 26.430 | 25.840 | 51.9 | 72.6 | 75.9 | 49.5 | 62.7 | 88 | 34 | 29 | 22 | 45 | 17 | .164 | .124 | .20 | T. | 1.7 | 2.7 | 2.5 |
| May | 26.066 | 26.280 | 25.832 | 60.4 | 84.5 | 86.3 | 59.5 | 72.9 | 97 | 39 | 28 | 18 | 32 | 10 | .154 | .099 | .43 | .43 | 1.3 | 1.4 | 1.6 |
| June | 26.064 | 26.240 | 25.860 | 71.7 | 95.1 | 97.2 | 70.4 | 83.8 | 102 | 62 | 33 | 22 | 26 | 8 | .203 | .125 | 0 | 0 | 1.2 | 1.4 | 1.2 |
| July | 26.151 | 26.360 | 25.920 | 71.9 | 87.6 | 92.7 | 69.9 | 81.3 | 104 | 63 | 54 | 50 | 56 | 31 | .428 | .375 | .59 | .43 | 1.3 | 4.8 | 4.2 |
| August | 26.179 | 26.390 | 25.950 | 68.8 | 83.2 | 88.4 | 67.1 | 77.8 | 96 | 61 | 58 | 56 | 71 | 42 | .493 | .458 | 3.07 | .89 | 2.9 | 4.3 | 4.2 |
| September | 26.195 | 26.460 | 25.980 | 63.5 | 79.8 | 84.2 | 61.9 | 73.0 | 90 | 50 | 50 | 47 | 64 | 36 | .383 | .346 | .55 | .42 | 1.8 | 2.8 | 2.8 |
| October | 26.201 | 26.520 | 25.980 | 53.9 | 71.9 | 77.4 | 52.0 | 64.7 | 89 | 40 | 41 | 39 | 63 | 35 | .267 | .259 | 1.07 | .51 | 1.5 | 1.9 | 1.9 |
| November | 26.269 | 26.630 | 25.940 | 40.3 | 59.4 | 65.8 | 36.6 | 51.2 | 84 | 18 | 23 | 24 | 50 | 28 | .123 | .131 | .52 | .52 | .7 | .7 | 1.2 |
| December | 26.159 | 26.480 | 25.640 | 36.0 | 51.2 | 57.4 | 32.5 | 45.0 | 71 | 17 | 16 | 18 | 45 | 29 | .096 | .107 | .32 | .28 | 1.4 | 2.1 | 2.7 |
| Year | 26.169 | 26.630 | 25.640 | 54.5 | 72.9 | 77.3 | 52.1 | 64.7 | 104 | 17 | 34 | 30 | 50 | 26 | .229 | .202 | 7.77 | .89 | 1.9 | 2.7 | 2.8 |

ERIE, PA.

[$\phi$=42° 7′ N.; $\lambda$=80° 5′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.349 | 29.820 | 28.640 | 31.8 | 35.3 | 42.7 | 26.2 | 34.4 | 67 | 4 | 25 | 27 | 74 | 72 | 0.154 | 0.164 | 2.23 | 0.42 | 8.5 | 8.5 | 7.7 |
| February | 29.275 | 29.890 | 28.580 | 19.2 | 21.9 | 27.2 | 14.2 | 20.7 | 50 | −2 | 15 | 18 | 84 | 82 | .090 | .100 | 2.74 | 1.05 | 8.2 | 7.2 | 7.3 |
| March | 29.155 | 29.580 | 28.430 | 24.0 | 27.9 | 35.5 | 19.4 | 27.4 | 63 | −5 | 20 | 22 | 82 | 80 | .113 | .126 | 2.37 | .75 | 7.1 | 5.2 | 6.3 |
| April | 29.169 | 29.460 | 28.780 | 42.8 | 44.8 | 52.1 | 37.6 | 44.8 | 75 | 28 | 36 | 38 | 78 | 77 | .222 | .233 | 5.26 | 1.82 | 6.7 | 6.6 | 6.4 |
| May | 29.149 | 29.561 | 28.690 | 55.1 | 57.4 | 65.0 | 48.5 | 56.8 | 86 | 38 | 47 | 48 | 75 | 71 | .336 | .341 | 3.85 | 1.12 | 6.2 | 6.5 | 5.5 |
| June | 29.143 | 29.500 | 28.844 | 61.6 | 64.0 | 70.7 | 55.6 | 63.2 | 86 | 43 | 53 | 55 | 76 | 74 | .415 | .440 | 3.35 | .84 | 5.7 | 5.5 | 5.1 |
| July | 29.242 | 29.490 | 28.870 | 74.3 | 77.5 | 83.4 | 68.0 | 75.7 | 92 | 57 | 64 | 65 | 70 | 66 | .592 | .622 | .39 | .32 | 3.5 | 3.5 | 4.1 |
| August | 29.245 | 29.451 | 28.990 | 69.3 | 74.2 | 80.6 | 64.0 | 72.3 | 92 | 50 | 59 | 62 | 71 | 67 | .519 | .577 | 2.69 | .75 | 3.9 | 3.2 | 4.1 |
| September | 29.266 | 29.600 | 28.960 | 60.7 | 63.6 | 71.1 | 55.5 | 63.3 | 88 | 40 | 50 | 53 | 68 | 70 | .380 | .422 | 4.47 | 2.42 | 5.2 | 4.4 | 5.4 |
| October | 29.324 | 29.646 | 28.620 | 49.0 | 53.1 | 61.6 | 43.8 | 52.7 | 81 | 35 | 39 | 43 | 70 | 70 | .251 | .286 | 2.88 | 1.00 | 4.5 | 3.5 | 4.8 |
| November | 29.291 | 29.700 | 28.400 | 39.0 | 42.5 | 47.6 | 35.0 | 41.3 | 73 | 19 | 30 | 33 | 71 | 70 | .174 | .192 | 2.34 | .64 | 6.8 | 5.1 | 6.3 |
| December | 29.182 | 29.690 | 28.670 | 28.8 | 30.8 | 36.3 | 24.2 | 30.2 | 67 | 10 | 23 | 23 | 77 | 74 | .130 | .133 | 2.87 | .57 | 7.8 | 8.0 | 8.3 |
| Year | 29.232 | 29.890 | 28.400 | 46.3 | 49.4 | 56.2 | 41.0 | 48.6 | 92 | −5 | 38 | 41 | 75 | 73 | .281 | .304 | 35.44 | 2.42 | 6.2 | 5.6 | 5.9 |

ESCANABA, MICH.

[$\phi$=45° 48′ N.; $\lambda$=87° 5′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.362 | 29.910 | 28.600 | 16.4 | 18.2 | 25.2 | 8.7 | 17.0 | 41 | −15 | 12 | 13 | 80 | 78 | 0.090 | 0.089 | 2.12 | 0.59 | 7.1 | 6.2 | 5.7 |
| February | 29.432 | 30.010 | 29.010 | 8.2 | 15.1 | 20.7 | 4.4 | 12.6 | 46 | −14 | 4 | 8 | 82 | 73 | .054 | .072 | .63 | .33 | 7.1 | 5.5 | 5.3 |
| March | 29.333 | 29.850 | 28.530 | 14.5 | 22.6 | 28.2 | 10.8 | 19.5 | 46 | −10 | 10 | 16 | 81 | 75 | .078 | .097 | 3.05 | 1.42 | 5.9 | 5.1 | 4.8 |
| April | 29.279 | 29.640 | 28.710 | 34.4 | 38.6 | 43.4 | 31.5 | 37.4 | 54 | 15 | 30 | 31 | 83 | 75 | .169 | .177 | 2.34 | .91 | 7.0 | 6.0 | 6.1 |
| May | 29.199 | 29.710 | 28.540 | 46.3 | 51.4 | 56.9 | 41.6 | 49.2 | 78 | 32 | 38 | 38 | 74 | 64 | .234 | .237 | 3.22 | 1.21 | 6.3 | 5.6 | 5.7 |
| June | 29.210 | 29.670 | 28.550 | 54.3 | 58.5 | 63.5 | 49.1 | 56.3 | 78 | 38 | 49 | 49 | 82 | 72 | .348 | .356 | 6.01 | 1.94 | 5.9 | 6.7 | 6.1 |
| July | 29.358 | 29.670 | 29.090 | 68.2 | 74.2 | 80.2 | 62.5 | 71.4 | 100 | 49 | 60 | 63 | 76 | 68 | .533 | .580 | 2.32 | .69 | 2.7 | 3.3 | 2.3 |
| August | 29.321 | 29.700 | 29.070 | 62.7 | 69.2 | 75.5 | 56.9 | 66.2 | 88 | 42 | 56 | 58 | 80 | 70 | .469 | .513 | 2.13 | 1.55 | 4.1 | 4.1 | 3.7 |
| September | 29.295 | 29.660 | 28.720 | 51.1 | 56.1 | 61.2 | 46.9 | 54.0 | 72 | 32 | 47 | 48 | 85 | 77 | .339 | .363 | 5.07 | 1.32 | 5.3 | 6.1 | 5.2 |
| October | 29.346 | 29.770 | 28.580 | 42.5 | 45.5 | 51.6 | 38.1 | 44.8 | 67 | 27 | 37 | 37 | 81 | 72 | .228 | .227 | 3.55 | 1.29 | 6.2 | 4.2 | 6.1 |
| November | 29.352 | 29.890 | 28.560 | 30.0 | 33.2 | 38.7 | 26.5 | 32.6 | 56 | 9 | 25 | 25 | 80 | 72 | .139 | .145 | .49 | .23 | 6.9 | 4.8 | 6.3 |
| December | 29.243 | 29.760 | 28.780 | 14.7 | 18.9 | 24.7 | 10.2 | 17.4 | 45 | −10 | 10 | 12 | 82 | 74 | .083 | .089 | 1.38 | .42 | 4.8 | 4.6 | 4.6 |
| Year | 29.311 | 30.010 | 28.530 | 36.9 | 41.8 | 47.5 | 32.3 | 39.9 | 100 | −15 | 32 | 33 | 80 | 72 | .230 | .245 | 32.31 | 1.94 | 5.8 | 5.2 | 5.2 |

EUREKA, CAL.

[$\phi$=40° 48′ N.; $\lambda$=124° 11′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.838 | 30.560 | 29.170 | 40.9 | 45.0 | 47.9 | 38.1 | 43.0 | 56 | 32 | 38 | 39 | 90 | 81 | 0.234 | 0.244 | 13.02 | 1.92 | 8.5 | 8.3 | 8.0 |
| February | 30.030 | 30.576 | 29.570 | 47.8 | 52.6 | 55.8 | 45.1 | 50.4 | 68 | 35 | 45 | 48 | 91 | 84 | .301 | .331 | 5.18 | 1.36 | 6.5 | 7.8 | 7.7 |
| March | 30.068 | 30.460 | 29.560 | 45.6 | 51.8 | 54.4 | 42.7 | 48.6 | 64 | 34 | 43 | 45 | 91 | 78 | .279 | .298 | 4.83 | 1.59 | 6.6 | 7.1 | 6.8 |
| April | 30.104 | 30.343 | 29.860 | 45.7 | 53.2 | 56.4 | 44.1 | 50.2 | 70 | 38 | 43 | 48 | 91 | 82 | .282 | .332 | 1.98 | .79 | 5.7 | 5.2 | 5.1 |
| May | 30.054 | 30.420 | 29.750 | 47.1 | 52.8 | 55.0 | 45.7 | 50.4 | 63 | 39 | 44 | 46 | 90 | 79 | .291 | .314 | 1.48 | .66 | 6.9 | 5.4 | 5.1 |
| June | 29.978 | 30.170 | 29.705 | 49.0 | 54.7 | 57.9 | 47.6 | 52.8 | 71 | 41 | 46 | 48 | 91 | 78 | .315 | .334 | 1.00 | .40 | 6.6 | 5.5 | 6.1 |
| July | 29.992 | 30.120 | 29.810 | 53.2 | 58.6 | 60.5 | 52.2 | 56.4 | 64 | 48 | 50 | 52 | 92 | 79 | .366 | .389 | 1.34 | 1.18 | 7.5 | 3.9 | 4.9 |
| August | 29.951 | 30.130 | 29.769 | 52.7 | 57.8 | 60.4 | 51.5 | 56.0 | 69 | 46 | 51 | 52 | 94 | 81 | .372 | .384 | .12 | .10 | 7.6 | 5.4 | 6.2 |
| September | 29.951 | 30.166 | 29.736 | 52.2 | 56.3 | 61.4 | 50.2 | 55.8 | 75 | 44 | 50 | 51 | 91 | 79 | .357 | .382 | .38 | .22 | 4.6 | 4.9 | 5.1 |
| October | 30.014 | 30.310 | 29.690 | 47.1 | 52.7 | 55.6 | 44.3 | 50.2 | 65 | 38 | 44 | 47 | 90 | 81 | .292 | .319 | .47 | .24 | 4.8 | 5.8 | 6.5 |
| November | 30.138 | 30.397 | 29.740 | 44.3 | 50.6 | 54.2 | 40.8 | 47.5 | 64 | 31 | 40 | 44 | 85 | 79 | .250 | .291 | 3.13 | 1.56 | 4.3 | 4.5 | 4.7 |
| December | 30.019 | 30.442 | 29.280 | 40.9 | 46.2 | 49.1 | 37.4 | 43.2 | 59 | 31 | 39 | 42 | 93 | 87 | .240 | .272 | 5.47 | 1.09 | 5.2 | 5.8 | 6.4 |
| Year | 30.011 | 30.576 | 29.170 | 47.2 | 52.9 | 55.7 | 45.0 | 50.4 | 75 | 31 | 44 | 47 | 91 | 81 | .298 | .324 | 38.40 | 1.92 | 6.2 | 5.8 | 6.0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

EL PASO, TEX.

[$H_b$=3,762 ft.; $h_t$=110 ft.; $h_r$=102 ft.; $h_a$=133ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.7 | W. | 58 | SW. | 6 | 0 | 5 | 2 | 3 | 1 | 5 | 16 | 29 | 1 | 9 | 15 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| February | 10.1 | W. | 44 | W. | 3 | 0 | 3 | 8 | 8 | 0 | 3 | 14 | 21 | 1 | 17 | 9 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| March | 13.2 | W. | 57 | SW. | 8 | 1 | 3 | 10 | 4 | 0 | 2 | 31 | 10 | 1 | 19 | 10 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| April | 12.8 | W. | 49 | NE. | 4 | 0 | 5 | 11 | 5 | 1 | 4 | 20 | 14 | 0 | 19 | 10 | 1 | 1 | 1 | 0. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 12.8 | W. | 43 | W. | 2 | 1 | 6 | 2 | 2 | 1 | 5 | 25 | 20 | 0 | 27 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 |
| June | 11.8 | NW. | 52 | W. | 2 | 1 | 3 | 7 | 2 | 1 | 2 | 24 | 19 | 1 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 |
| July | 11.1 | SE. | 41 | SE. | 1 | 0 | 7 | 17 | 27 | 2 | 0 | 5 | 4 | 0 | 12 | 18 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 6 | 0 |
| August | 10.0 | SE. | 57 | SE. | 3 | 0 | 8 | 15 | 21 | 1 | 3 | 7 | 7 | 0 | 12 | 17 | 2 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 12 | 0 |
| September | 9.7 | E. | 35 | E. | 0 | 1 | 6 | 16 | 15 | 1 | 3 | 7 | 11 | 0 | 21 | 6 | 3 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| October | 11.0 | E. | 41 | NW. | 1 | 0 | 9 | 12 | 12 | 0 | 4 | 10 | 14 | 1 | 23 | 7 | 1 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| November | 9.9 | NW. | 43 | NE. | 2 | 1 | 7 | 9 | 11 | 1 | 3 | 10 | 18 | 0 | 27 | 2 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| December | 11.0 | NW. | 52 | SW. | 3 | 2 | 6 | 3 | 2 | 2 | 4 | 20 | 22 | 1 | 19 | 10 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 18 | 1 | 0 |
| Year | 11.3 | W. | 58 | SW. | 35 | 7 | 68 | 112 | 112 | 11 | 38 | 189 | 189 | 6 | 233 | 109 | 24 | 38 | 29 | 5 | 1 | 0 | 0 | 0 | 77 | 39 | 28 | 0 |

ERIE, PA.

[$H_b$=714 ft.; $h_t$=130 ft.; $h_r$=122 ft.; $h_a$=166 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 20.4 | SW. | 54 | SE. | 10 | 1 | 5 | 0 | 11 | 12 | 19 | 9 | 5 | 0 | 2 | 9 | 20 | 18 | 11 | 11 | 6 | 0 | 0 | 9 | 0 | 20 | 0 | 0 |
| February | 14.4 | W. | 48 | W. | 2 | 7 | 9 | 0 | 3 | 4 | 12 | 15 | 8 | 0 | 4 | 7 | 18 | 20 | 13 | 24 | 19 | 0 | 1 | 21 | 0 | 29 | 0 | 0 |
| March | 14.8 | NE. | 53 | SE. | 8 | 5 | 13 | 4 | 9 | 5 | 8 | 10 | 8 | 0 | 3 | 18 | 10 | 13 | 10 | 18 | 11 | 0 | 0 | 16 | 0 | 24 | 1 | 0 |
| April | 12.2 | W. | 52 | W. | 4 | 5 | 5 | 5 | 6 | 8 | 9 | 14 | 7 | 1 | 5 | 12 | 13 | 18 | 17 | 3 | 3 | 2 | 2 | 0 | 0 | 6 | 6 | 0 |
| May | 13.7 | SW. | 60 | SW. | 5 | 5 | 6 | 2 | 6 | 8 | 15 | 15 | 5 | 0 | 6 | 17 | 8 | 15 | 12 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 |
| June | 12.8 | SE. | 52 | SW. | 2 | 1 | 6 | 2 | 14 | 11 | 11 | 10 | 5 | 0 | 5 | 23 | 2 | 13 | 11 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 10.2 | S. | 62 | W. | 1 | 5 | 12 | 3 | 9 | 14 | 12 | 2 | 2 | 3 | 13 | 15 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| August | 10.6 | S. | 43 | W. | 1 | 7 | 7 | 2 | 7 | 24 | 12 | 1 | 2 | 0 | 12 | 15 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 1 |
| September | 14.2 | S. | 54 | SW. | 1 | 1 | 1 | 3 | 6 | 26 | 9 | 3 | 11 | 0 | 9 | 11 | 10 | 15 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 2 |
| October | 16.1 | SW. | 61 | SE. | 6 | 3 | 4 | 3 | 18 | 14 | 17 | 1 | 2 | 0 | 10 | 12 | 9 | 12 | 11 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 1 |
| November | 18.6 | SW. | 55 | SW. | 5 | 3 | 8 | 1 | 8 | 17 | 14 | 7 | 2 | 0 | 7 | 7 | 16 | 13 | 9 | 9 | 7 | 0 | 0 | 3 | 0 | 11 | 0 | 0 |
| December | 18.1 | SW. | 49 | SE. | 7 | 1 | 2 | 1 | 11 | 14 | 19 | 9 | 5 | 0 | 2 | 2 | 27 | 19 | 13 | 18 | 12 | 0 | 0 | 12 | 0 | 23 | 1 | 0 |
| Year | 14.7 | SW. | 62 | W. | 52 | 44 | 78 | 26 | 108 | 157 | 157 | 96 | 62 | 4 | 78 | 148 | 140 | 166 | 126 | 83 | 58 | 6 | 6 | 61 | 9 | 113 | 38 | 4 |

ESCANABA, MICH.

[$H_b$=612 ft.; $h_t$=54 ft.; $h_r$=44 ft.; $h_a$=60 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.4 | NW. | 40 | NW. | 1 | 8 | 5 | 3 | 2 | 4 | 20 | 5 | 15 | 0 | 10 | 8 | 13 | 13 | 10 | 15 | 8 | 0 | 1 | 18 | 0 | 31 | 0 | 1 |
| February | 9.4 | N. | 30 | N. | 0 | 16 | 4 | 0 | 0 | 6 | 10 | 6 | 16 | 0 | 8 | 13 | 8 | 11 | 4 | 17 | 11 | 0 | 0 | 25 | 0 | 29 | 0 | 0 |
| March | 10.1 | N. | 39 | N. | 0 | 23 | 5 | 2 | 2 | 11 | 9 | 3 | 6 | 1 | 12 | 7 | 12 | 12 | 8 | 15 | 10 | 0 | 0 | 19 | 0 | 31 | 1 | 3 |
| April | 9.8 | N. | 38 | NW. | 0 | 20 | 8 | 4 | 5 | 9 | 4 | 2 | 8 | 0 | 11 | 3 | 16 | 17 | 13 | 4 | 2 | 0 | 3 | 0 | 0 | 12 | 2 | 2 |
| May | 10.4 | S. | 44 | NW. | 2 | 8 | 9 | 5 | 6 | 15 | 7 | 1 | 11 | 0 | 7 | 13 | 11 | 15 | 9 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 6 | 2 |
| June | 9.1 | S. | 39 | E. | 0 | 8 | 8 | 7 | 7 | 11 | 8 | 4 | 7 | 0 | 9 | 7 | 14 | 18 | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 0 |
| July | 8.2 | S. | 31 | N. | 0 | 10 | 15 | 2 | 5 | 15 | 12 | 0 | 3 | 0 | 21 | 7 | 3 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 9 | 0 |
| August | 8.4 | S. | 43 | NW. | 1 | 12 | 4 | 1 | 1 | 16 | 11 | 4 | 13 | 0 | 17 | 6 | 8 | 10 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 8 | 2 |
| September | 8.3 | S. | 31 | S. | 0 | 8 | 3 | 2 | 1 | 15 | 15 | 6 | 10 | 0 | 8 | 6 | 16 | 15 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 |
| October | 11.8 | S. | 40 | NW. | 1 | 11 | 6 | 1 | 4 | 14 | 12 | 5 | 9 | 0 | 10 | 5 | 16 | 12 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 1 |
| November | 9.4 | NW. | 34 | NW. | 0 | 13 | 5 | 0 | 1 | 5 | 10 | 8 | 17 | 1 | 9 | 5 | 16 | 6 | 4 | 10 | 3 | 0 | 1 | 9 | 0 | 19 | 0 | 0 |
| December | 9.5 | NW. | 33 | SE. | 0 | 6 | 6 | 0 | 4 | 6 | 14 | 7 | 19 | 0 | 16 | 5 | 10 | 11 | 8 | 15 | 8 | 0 | 3 | 22 | 0 | 27 | 0 | 1 |
| Year | 9.6 | N. | 44 | NW. | 5 | 143 | 78 | 27 | 38 | 127 | 132 | 51 | 134 | 2 | 138 | 85 | 143 | 147 | 106 | 81 | 42 | 1 | 12 | 93 | 3 | 157 | 42 | 13 |

EUREKA, CAL.

[$H_b$=62 ft.; $h_t$=73 ft.; $h_r$=65 ft.; $h_a$=89 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.7 | SE. | 43 | NW. | 2 | 4 | 2 | 1 | 22 | 19 | 6 | 4 | 3 | 1 | 2 | 5 | 24 | 28 | 23 | 5 | 3 | 4 | 1 | 0 | 0 | 4 | 0 | 0 |
| February | 5.7 | S. | 34 | SE. | 0 | 7 | 5 | 3 | 17 | 11 | 6 | 5 | 4 | 0 | 5 | 6 | 18 | 16 | 14 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| March | 8.0 | S. | 35 | W. | 0 | 13 | 2 | 1 | 19 | 9 | 7 | 6 | 4 | 1 | 8 | 5 | 18 | 14 | 13 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| April | 8.4 | N. | 36 | N. | 0 | 19 | 6 | 1 | 13 | 6 | 6 | 4 | 3 | 2 | 10 | 13 | 7 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 10.5 | N. | 43 | N. | 1 | 29 | 5 | 0 | 6 | 5 | 4 | 6 | 6 | 1 | 14 | 5 | 12 | 8 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | 8.4 | N. | 38 | SW. | 0 | 20 | 3 | 4 | 5 | 6 | 12 | 7 | 3 | 0 | 9 | 6 | 15 | 7 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| July | 8.1 | N. | 33 | N. | 0 | 30 | 1 | 0 | 0 | 10 | 6 | 6 | 8 | 1 | 12 | 11 | 8 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| August | 5.7 | N. | 24 | N. | 0 | 25 | 0 | 2 | 4 | 1 | 6 | 8 | 14 | 2 | 7 | 10 | 14 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| September | 5.8 | N. | 39 | N. | 0 | 13 | 5 | 6 | 7 | 2 | 10 | 6 | 11 | 0 | 11 | 9 | 10 | 3 | 2 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| October | 4.5 | SE. | 30 | N. | 0 | 13 | 7 | 4 | 11 | 4 | 7 | 8 | 5 | 3 | 8 | 7 | 16 | 5 | 3 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| November | 5.9 | SE. | 33 | N. | 0 | 14 | 4 | 4 | 10 | 6 | 10 | 4 | 8 | 0 | 12 | 7 | 11 | 12 | 8 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 0 | 0 |
| December | 6.1 | SE. | 40 | W. | 1 | 9 | 4 | 7 | 18 | 9 | 5 | 2 | 6 | 2 | 6 | 9 | 16 | 17 | 16 | 2 | 2 | 3 | 6 | 0 | 0 | 2 | 2 | 0 |
| Year | 7.2 | N. | 43 | N. | 4 | 196 | 44 | 33 | 132 | 88 | 85 | 66 | 75 | 13 | 104 | 93 | 169 | 125 | 102 | 7 | 5 | 12 | 47 | 0 | 0 | 7 | 3 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

EVANSVILLE, IND.

[$\phi$=37° 58′ N.; $\lambda$=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 | 29.726 | 30.220 | 29.100 | 36.1 | 40.7 | 47.5 | 29.8 | 38.6 | 69 | 3 | 32 | 34 | 84 | 78 | 0.210 | 0.228 | 8.73 | 2.28 | 6.8 | 6.3 | 7.0 |
| February | 29.698 | 30.210 | 29.260 | 30.7 | 36.8 | 42.0 | 26.6 | 34.3 | 64 | 13 | 26 | 29 | 82 | 74 | .151 | .171 | 1.64 | .66 | 5.6 | 4.3 | 6.1 |
| March | 29.513 | 29.940 | 29.730 | 38.9 | 46.4 | 53.3 | 33.9 | 43.6 | 75 | 14 | 32 | 34 | 78 | 62 | .197 | .208 | 2.56 | .84 | 5.0 | 4.8 | 6.2 |
| April | 29.527 | 29.800 | 29.170 | 50.1 | 56.8 | 62.5 | 45.9 | 54.2 | 80 | 30 | 41 | 42 | 72 | 60 | .270 | .277 | 1.99 | 1.08 | 5.5 | 5.6 | 6.1 |
| May | 29.468 | 29.720 | 29.200 | 63.7 | 72.3 | 78.3 | 58.9 | 68.6 | 90 | 47 | 55 | 55 | 74 | 57 | .448 | .459 | 3.72 | 1.13 | 5.5 | 5.5 | 5.8 |
| June | 29.435 | 29.760 | 28.870 | 68.2 | 74.9 | 80.8 | 63.0 | 71.9 | 96 | 58 | 61 | 61 | 78 | 63 | .535 | .538 | 4.58 | 1.31 | 5.0 | 5.7 | 5.0 |
| July | 29.509 | 29.740 | 29.330 | 77.1 | 85.5 | 91.9 | 72.2 | 82.0 | 100 | 66 | 70 | 70 | 79 | 61 | .732 | .738 | 5.46 | 3.61 | 2.0 | 5.4 | 3.5 |
| August | 29.565 | 29.770 | 29.360 | 74.2 | 81.2 | 88.0 | 70.1 | 79.0 | 99 | 57 | 69 | 70 | 84 | 69 | .719 | .745 | 4.31 | 1.41 | 4.1 | 3.9 | 4.4 |
| September | 29.604 | 29.870 | 29.250 | 62.8 | 71.9 | 79.5 | 59.4 | 69.4 | 92 | 41 | 56 | 57 | 80 | 60 | .482 | .494 | 2.57 | 2.08 | 3.8 | 2.1 | 3.6 |
| October | 29.635 | 29.980 | 29.050 | 51.8 | 63.4 | 71.4 | 48.5 | 60.0 | 91 | 35 | 44 | 45 | 76 | 54 | .310 | .319 | 2.05 | .88 | 3.5 | 2.8 | 3.5 |
| November | 29.682 | 30.060 | 28.980 | 42.5 | 52.6 | 59.1 | 39.9 | 49.5 | 78 | 18 | 36 | 37 | 78 | 57 | .226 | .232 | 1.11 | .59 | 3.1 | 1.6 | 3.4 |
| December | 29.572 | 30.070 | 29.130 | 31.4 | 37.3 | 43.6 | 26.9 | 35.2 | 72 | 2 | 26 | 28 | 80 | 68 | .161 | .164 | 4.66 | 1.46 | 4.6 | 4.0 | 5.0 |
| Year | 29.578 | 30.220 | 28.730 | 52.3 | 60.0 | 66.5 | 47.9 | 57.2 | 100 | 2 | 46 | 47 | 79 | 64 | .370 | .381 | 43.38 | 3.61 | 4.5 | 4.3 | 5.0 |

FORT SMITH, ARK.

[$\phi$=35° 22′ N.; $\lambda$=94° 24′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.644 | 30.150 | 29.040 | 38.6 | 43.0 | 51.8 | 33.3 | 42.6 | 75 | 4 | 34 | 34 | 82 | 72 | 0.221 | 0.220 | 7.28 | 2.68 | 8.2 | 7.4 | 7.7 |
| February | 29.692 | 30.150 | 29.250 | 35.0 | 46.4 | 51.3 | 32.7 | 42.0 | 76 | 15 | 29 | 33 | 80 | 63 | .171 | .200 | 1.37 | .70 | 4.9 | 4.6 | 4.6 |
| March | 29.475 | 30.020 | 28.920 | 46.3 | 60.0 | 66.5 | 43.2 | 54.8 | 90 | 25 | 36 | 38 | 69 | 47 | .226 | .249 | .68 | .32 | 4.6 | 5.2 | 4.3 |
| April | 29.490 | 29.893 | 29.050 | 52.7 | 63.7 | 68.8 | 50.6 | 59.7 | 82 | 33 | 46 | 48 | 80 | 58 | .323 | .342 | 4.19 | 1.49 | 5.4 | 6.4 | 5.9 |
| May | 29.397 | 29.600 | 29.120 | 65.0 | 78.0 | 82.5 | 62.0 | 72.2 | 91 | 46 | 58 | 61 | 78 | 58 | .493 | .557 | 3.29 | 2.31 | 4.7 | 4.5 | 4.6 |
| June | 29.397 | 29.620 | 28.834 | 70.1 | 80.9 | 85.6 | 66.6 | 76.1 | 93 | 56 | 66 | 68 | 87 | 67 | .645 | .700 | 2.72 | 1.14 | 6.5 | 5.9 | 6.0 |
| July | 29.450 | 29.690 | 29.260 | 76.8 | 91.3 | 96.5 | 74.2 | 85.4 | 101 | 69 | 69 | 68 | 78 | 48 | .718 | .687 | .34 | .31 | 2.9 | 5.3 | 3.2 |
| August | 29.499 | 29.710 | 29.290 | 76.1 | 88.8 | 96.3 | 74.0 | 85.2 | 103 | 61 | 67 | 65 | 74 | 48 | .679 | .641 | .23 | .12 | 5.1 | 5.8 | 4.7 |
| September | 29.535 | 29.880 | 29.100 | 64.9 | 78.3 | 84.9 | 63.2 | 74.0 | 96 | 43 | 58 | 60 | 81 | 54 | .518 | .535 | 3.61 | 1.67 | 3.0 | 3.6 | 3.1 |
| October | 29.574 | 29.900 | 29.150 | 54.0 | 68.3 | 75.2 | 52.1 | 63.6 | 90 | 32 | 48 | 50 | 80 | 55 | .348 | .381 | 1.49 | .81 | 3.5 | 3.5 | 3.8 |
| November | 29.648 | 30.040 | 29.290 | 44.3 | 55.8 | 62.9 | 41.7 | 52.3 | 84 | 19 | 37 | 38 | 77 | 54 | .240 | .254 | 2.88 | 2.08 | 3.8 | 2.6 | 3.5 |
| December | 29.521 | 29.950 | 28.970 | 33.6 | 43.4 | 49.4 | 29.4 | 39.4 | 73 | 1 | 26 | 30 | 73 | 60 | .160 | .187 | 2.16 | .84 | 4.2 | 5.0 | 4.9 |
| Year | 29.527 | 30.150 | 28.834 | 54.8 | 66.5 | 72.6 | 51.9 | 62.3 | 103 | 1 | 48 | 49 | 78 | 57 | .395 | .413 | 30.24 | 2.68 | 4.7 | 5.0 | 4.7 |

FORT WAYNE, IND.

[$\phi$=41° 5′ N.; $\lambda$=85° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.220 | 29.680 | 28.550 | 27.5 | 32.0 | 39.3 | 21.5 | 30.4 | 65 | −8 | 23 | 26 | 81 | 80 | 0.153 | 0.172 | 6.48 | 1.75 | 7.2 | 5.0 | 6.6 |
| February | 29.193 | 29.750 | 28.660 | 20.7 | 26.4 | 31.6 | 16.6 | 24.1 | 56 | 1 | 17 | 20 | 85 | 76 | .099 | .116 | .45 | .25 | 6.9 | 5.0 | 7.0 |
| March | 29.031 | 29.490 | 28.224 | 27.1 | 36.3 | 42.3 | 23.6 | 33.0 | 73 | 5 | 22 | 29 | 81 | 73 | .133 | .175 | 2.06 | .82 | 5.6 | 5.8 | 6.4 |
| April | 29.037 | 29.320 | 28.680 | 43.3 | 51.1 | 57.4 | 39.2 | 48.3 | 78 | 25 | 37 | 41 | 79 | 70 | .228 | .272 | 2.89 | 1.34 | 6.6 | 6.7 | 6.8 |
| May | 29.009 | 29.380 | 28.600 | 56.5 | 63.7 | 70.4 | 51.4 | 60.9 | 88 | 37 | 50 | 52 | 78 | 67 | .375 | .413 | 3.70 | 1.15 | 5.9 | 5.8 | 6.0 |
| June | 28.972 | 29.410 | 28.480 | 59.9 | 68.1 | 73.3 | 55.0 | 64.2 | 84 | 48 | 55 | 57 | 85 | 69 | .440 | .473 | 5.78 | 1.78 | 5.9 | 4.7 | 6.1 |
| July | 29.098 | 29.340 | 28.830 | 72.7 | 82.7 | 90.1 | 67.4 | 78.8 | 99 | 58 | 65 | 66 | 78 | 60 | .624 | .651 | 3.50 | 2.33 | 1.9 | 3.5 | 3.0 |
| August | 29.114 | 29.330 | 28.880 | 67.8 | 78.8 | 85.3 | 64.0 | 74.6 | 97 | 52 | 60 | 62 | 78 | 57 | .548 | .576 | 2.10 | .80 | 3.7 | 4.2 | 4.1 |
| September | 29.133 | 29.430 | 28.730 | 56.8 | 66.1 | 73.7 | 52.0 | 62.8 | 91 | 34 | 49 | 49 | 77 | 56 | .377 | .379 | 1.96 | 1.02 | 4.3 | 2.9 | 4.9 |
| October | 29.168 | 29.550 | 28.440 | 46.3 | 56.2 | 64.1 | 41.9 | 53.0 | 86 | 31 | 40 | 42 | 81 | 61 | .265 | .277 | 1.66 | .65 | 3.6 | 3.4 | 4.4 |
| November | 29.167 | 29.510 | 28.300 | 36.2 | 42.8 | 50.5 | 32.3 | 41.4 | 73 | 13 | 30 | 34 | 78 | 71 | .178 | .202 | 1.98 | .76 | 5.0 | 4.4 | 5.3 |
| December | 29.072 | 29.600 | 28.572 | 22.9 | 27.9 | 34.1 | 18.2 | 26.2 | 61 | −3 | 19 | 20 | 84 | 70 | .120 | .120 | 2.81 | 1.28 | 6.2 | 4.6 | 6.2 |
| Year | 29.101 | 29.750 | 28.224 | 44.8 | 52.7 | 59.3 | 40.3 | 49.8 | 99 | −8 | 39 | 42 | 80 | 68 | .295 | .319 | 35.46 | 2.33 | 5.2 | 4.7 | 5.6 |

FORT WORTH, TEX.

[$\phi$=32° 43′ N.; $\lambda$=97° 15′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.387 | 29.900 | 28.750 | 41.7 | 48.1 | 55.6 | 36.9 | 46.2 | 80 | 10 | 37 | 40 | 84 | 77 | 0.265 | 0.293 | 4.01 | 1.46 | 8.4 | 7.1 | 8.0 |
| February | 29.439 | 29.900 | 28.962 | 41.2 | 55.1 | 60.3 | 37.4 | 48.8 | 82 | 18 | 32 | 34 | 71 | 49 | .198 | .207 | .01 | .01 | 5.5 | 4.6 | 5.1 |
| March | 29.237 | 29.830 | 28.640 | 52.1 | 70.5 | 76.0 | 48.9 | 62.4 | 100 | 25 | 39 | 34 | 62 | 30 | .257 | .219 | 3.68 | 3.95 | 4.6 | 5.5 | 4.5 |
| April | 29.241 | 29.688 | 28.800 | 55.7 | 68.3 | 71.3 | 53.3 | 62.3 | 88 | 35 | 49 | 50 | 78 | 56 | .366 | .385 | 6.99 | 3.05 | 6.1 | 6.1 | 5.9 |
| May | 29.152 | 29.440 | 28.853 | 64.2 | 78.6 | 82.6 | 62.9 | 72.8 | 99 | 49 | 59 | 58 | 83 | 53 | .508 | .496 | 3.70 | .56 | 5.8 | 4.6 | 4.9 |
| June | 29.145 | 29.350 | 28.790 | 71.8 | 86.9 | 90.3 | 70.1 | 80.2 | 97 | 58 | 64 | 63 | 78 | 46 | .613 | .584 | 3.30 | 2.80 | 6.3 | 4.7 | 5.2 |
| July | 29.205 | 29.450 | 29.011 | 75.7 | 90.9 | 95.1 | 74.4 | 84.8 | 100 | 71 | 66 | 63 | 73 | 41 | .645 | .579 | 1.38 | .56 | 4.9 | 6.3 | 5.9 |
| August | 29.255 | 29.480 | 29.069 | 74.2 | 89.5 | 94.1 | 73.2 | 83.6 | 103 | 64 | 66 | 63 | 76 | 43 | .643 | .579 | 3.84 | 2.47 | 5.1 | 5.8 | 5.6 |
| September | 29.279 | 29.648 | 28.960 | 67.2 | 83.2 | 88.4 | 66.3 | 77.4 | 96 | 46 | 58 | 54 | 74 | 39 | .516 | .449 | .73 | .62 | 3.7 | 3.6 | 3.7 |
| October | 29.316 | 29.610 | 28.970 | 58.9 | 73.9 | 79.5 | 56.7 | 68.1 | 91 | 35 | 51 | 51 | 76 | 48 | .400 | .404 | 1.89 | 1.13 | 3.7 | 2.9 | 3.9 |
| November | 29.419 | 29.820 | 29.121 | 47.2 | 59.5 | 66.8 | 43.9 | 55.4 | 85 | 21 | 38 | 39 | 71 | 50 | .259 | .252 | 1.82 | 1.46 | 3.0 | 2.5 | 3.2 |
| December | 29.277 | 29.650 | 28.750 | 39.9 | 52.3 | 60.5 | 35.5 | 48.0 | 82 | 13 | 29 | 29 | 65 | 43 | .193 | .186 | .11 | .09 | 4.5 | 3.8 | 4.5 |
| Year | 29.279 | 29.900 | 28.640 | 57.5 | 71.4 | 76.7 | 54.9 | 65.8 | 103 | 10 | 49 | 48 | 74 | 48 | .405 | .386 | 31.46 | 3.95 | 5.1 | 4.8 | 5.0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

EVANSVILLE, IND.

[$H_b$=431 ft.; $h_t$=139 ft.; $h_r$=135 ft.; $h_a$=175 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 14.7 | S. | 50 | S. | 3 | 3 | 12 | 1 | 14 | 16 | 3 | 11 | 8 | 0 | 7 | 8 | 16 | 15 | 14 | 7 | 4 | 0 | 2 | 5 | 0 | 15 | 3 | 0 |
| February | 12.1 | NW. | 40 | W. | 1 | 4 | 7 | 2 | 4 | 8 | 6 | 9 | 18 | 0 | 7 | 9 | 13 | 8 | 4 | 9 | 3 | 0 | 1 | 7 | 0 | 21 | 1 | 0 |
| March | 13.5 | NW. | 62 | SW. | 5 | 5 | 7 | 10 | 4 | 11 | 4 | 9 | 11 | 1 | 5 | 17 | 9 | 11 | 7 | 7 | 5 | 1 | 1 | 2 | 0 | 15 | 4 | 0 |
| April | 13.1 | NW. | 47 | S. | 2 | 5 | 6 | 3 | 5 | 10 | 8 | 9 | 14 | 0 | 7 | 13 | 10 | 12 | 6 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| May | 11.4 | S. | 54 | SW. | 3 | 2 | 9 | 4 | 9 | 16 | 5 | 4 | 12 | 1 | 6 | 16 | 9 | 13 | 11 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 7 | 0 |
| June | 10.3 | SW. | 45 | SW. | 1 | 9 | 11 | 5 | 2 | 10 | 15 | 6 | 2 | 0 | 11 | 12 | 7 | 12 | 12 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 11 | 0 |
| July | 8.0 | NE. | 29 | NE. | 0 | 13 | 14 | 6 | 5 | 11 | 4 | 2 | 7 | 0 | 19 | 10 | 2 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 10 | 0 |
| August | 7.7 | S. | 77 | SW. | 2 | 2 | 13 | 4 | 2 | 17 | 11 | 3 | 10 | 0 | 13 | 13 | 5 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 12 | 0 |
| September | 10.1 | S. | 48 | S. | 1 | 3 | 9 | 1 | 8 | 18 | 4 | 4 | 13 | 0 | 16 | 11 | 3 | 4 | 4 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 5 | 0 |
| October | 10.1 | S. | 48 | SW. | 1 | 6 | 15 | 11 | 7 | 9 | 9 | 1 | 4 | 0 | 18 | 7 | 6 | 8 | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 3 | 0 |
| November | 11.8 | S. | 38 | SW. | 0 | 1 | 4 | 2 | 13 | 22 | 6 | 4 | 8 | 0 | 18 | 7 | 5 | 5 | 5 | 2 | 1 | 0 | 2 | 1 | 0 | 8 | 0 | 0 |
| December | 13.2 | SW. | 36 | SW. | 0 | 3 | 8 | 6 | 9 | 11 | 10 | 6 | 9 | 0 | 12 | 11 | 8 | 13 | 10 | 10 | 7 | 0 | 1 | 6 | 0 | 22 | 3 | 0 |
| Year | 11.3 | S. | 77 | SW. | 19 | 56 | 115 | 55 | 82 | 153 | 85 | 68 | 116 | 2 | 139 | 134 | 93 | 116 | 91 | 37 | 22 | 4 | 10 | 21 | 39 | 82 | 61 | 0 |

FORT SMITH, ARK.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.7 | E. | 46 | W. | 2 | 2 | 0 | 26 | 6 | 3 | 10 | 4 | 11 | 0 | 6 | 2 | 23 | 12 | 9 | 3 | 1 | 0 | 0 | 4 | 0 | 13 | 4 | 0 |
| February | 8.8 | E. | 28 | NW. | 0 | 7 | 3 | 20 | 2 | 3 | 4 | 8 | 11 | 0 | 15 | 2 | 12 | 5 | 4 | 1 | 1 | 0 | 0 | 2 | 0 | 15 | 2 | 0 |
| March | 11.8 | E. | 52 | SW. | 2 | 4 | 3 | 22 | 2 | 8 | 10 | 4 | 9 | 0 | 16 | 6 | 9 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 3 | 0 |
| April | 9.7 | E. | 36 | W. | 0 | 7 | 6 | 18 | 5 | 9 | 3 | 2 | 10 | 0 | 10 | 6 | 14 | 13 | 11 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 8.6 | E. | 40 | NW. | 1 | 5 | 3 | 21 | 12 | 11 | 3 | 1 | 6 | 0 | 11 | 14 | 6 | 7 | 6 | 0 | 0 | 1 | 1 | 0 | 6 | 0 | 9 | 0 |
| June | 8.0 | E. | 44 | W. | 2 | 4 | 5 | 22 | 7 | 5 | 6 | 5 | 4 | 2 | 7 | 11 | 12 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 13 | 0 |
| July | 5.5 | E. | 31 | NE. | 0 | 10 | 9 | 24 | 6 | 4 | 7 | 1 | 1 | 0 | 16 | 14 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 5 | 0 |
| August | 6.5 | E. | 26 | S. | 0 | 6 | 3 | 25 | 7 | 10 | 7 | 2 | 2 | 0 | 11 | 14 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 8 | 0 |
| September | 7.7 | E. | 41 | NW. | 1 | 5 | 5 | 34 | 7 | 5 | 0 | 0 | 4 | 0 | 18 | 10 | 2 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 |
| October | 8.0 | E. | 33 | NW. | 0 | 3 | 3 | 37 | 6 | 5 | 0 | 2 | 5 | 1 | 17 | 6 | 8 | 7 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 |
| November | 8.7 | E. | 29 | SE. | 0 | 2 | 2 | 22 | 6 | 6 | 9 | 4 | 9 | 0 | 18 | 6 | 6 | 5 | 5 | 1 | 0 | 0 | 1 | 0 | 0 | 7 | 3 | 0 |
| December | 9.6 | E. | 36 | SW. | 0 | 2 | 2 | 32 | 4 | 2 | 8 | 3 | 9 | 0 | 15 | 3 | 13 | 6 | 5 | 4 | 3 | 0 | 0 | 3 | 0 | 20 | 2 | 0 |
| Year | 8.6 | E. | 52 | SW. | 8 | 57 | 44 | 303 | 70 | 71 | 67 | 36 | 81 | 3 | 160 | 94 | 112 | 87 | 67 | 10 | 5 | 3 | 3 | 9 | 84 | 60 | 60 | 0 |

FORT WAYNE, IND.

[$H_b$=856 ft.; $h_t$=113 ft.; $h_r$=107 ft.; $h_a$=124 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.6 | SW. | 38 | S. | 0 | 2 | 5 | 4 | 7 | 10 | 21 | 10 | 3 | 0 | 7 | 8 | 16 | 14 | 13 | 7 | 3 | 0 | 1 | 10 | 0 | 23 | 0 | 0 |
| February | 10.5 | SW. | 34 | NW. | 0 | 8 | 6 | 2 | 4 | 3 | 12 | 9 | 14 | 0 | 4 | 8 | 17 | 5 | 3 | 12 | 4 | 0 | 1 | 16 | 0 | 29 | 1 | 0 |
| March | 10.8 | NE. | 46 | SW. | 1 | 12 | 13 | 9 | 5 | 1 | 10 | 4 | 8 | 0 | 7 | 8 | 16 | 11 | 9 | 11 | 3 | 0 | 2 | 9 | 0 | 23 | 3 | 0 |
| April | 11.1 | SW. | 40 | W. | 1 | 6 | 8 | 5 | 1 | 9 | 10 | 9 | 12 | 0 | 5 | 12 | 13 | 14 | 11 | 3 | 1 | 1 | 0 | 0 | 0 | 5 | 3 | 0 |
| May | 9.9 | SW. | 42 | SW. | 1 | 3 | 6 | 7 | 5 | 6 | 17 | 11 | 6 | 1 | 11 | 5 | 15 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| June | 8.9 | SW. | 37 | SW. | 0 | 4 | 9 | 7 | 6 | 6 | 13 | 7 | 8 | 0 | 5 | 16 | 9 | 17 | 15 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 9 | 0 |
| July | 5.9 | NE. | 40 | NE. | 1 | 7 | 24 | 10 | 4 | 5 | 6 | 0 | 5 | 1 | 19 | 12 | 0 | 6 | 4 | 0 | 0 | 1 | 0 | 0 | 15 | 0 | 10 | 0 |
| August | 6.5 | SW. | 27 | SW. | 0 | 7 | 8 | 2 | 5 | 10 | 18 | 3 | 10 | 1 | 15 | 11 | 5 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 7 | 0 |
| September | 9.0 | SW. | 40 | SW. | 1 | 2 | 6 | 2 | 4 | 10 | 19 | 6 | 11 | 0 | 11 | 13 | 6 | 9 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| October | 9.1 | SW. | 46 | SW. | 2 | 3 | 5 | 10 | 10 | 9 | 18 | 1 | 6 | 0 | 15 | 4 | 12 | 10 | 7 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 |
| November | 12.2 | SW. | 40 | SW. | 1 | 0 | 5 | 7 | 3 | 11 | 23 | 10 | 1 | 0 | 10 | 10 | 10 | 9 | 8 | 5 | 2 | 0 | 2 | 3 | 0 | 15 | 1 | 0 |
| December | 10.8 | SW. | 33 | SW. | 0 | 3 | 1 | 5 | 7 | 11 | 22 | 10 | 3 | 0 | 5 | 12 | 14 | 17 | 11 | 14 | 12 | 0 | 1 | 17 | 0 | 27 | 3 | 0 |
| Year | 9.8 | SW. | 46 | SW. | 8 | 57 | 96 | 70 | 61 | 91 | 187 | 80 | 87 | 3 | 114 | 19 | 133 | 135 | 101 | 53 | 26 | 3 | 9 | 55 | 26 | 124 | 46 | 0 |

FORT WORTH, TEX.

[$H_b$=670 ft.; $h_t$=106 ft.; $h_r$=51 ft.; $h_a$=114 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.8 | NW. | 44 | NW. | 2 | 7 | 4 | 9 | 11 | 10 | 0 | 3 | 18 | 0 | 3 | 6 | 22 | 11 | 8 | 3 | 1 | 0 | 4 | 2 | 0 | 13 | 6 | 0 |
| February | 10.5 | NW. | 50 | NW. | 0 | 14 | 5 | 3 | 12 | 7 | 8 | 4 | 4 | 1 | 10 | 8 | 11 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 7 | 0 | 0 |
| March | 13.7 | S. | 48 | SE. | 3 | 9 | 4 | 3 | 8 | 20 | 5 | 3 | 8 | 2 | 14 | 8 | 9 | 4 | 4 | 0 | 0 | 2 | 1 | 0 | 5 | 1 | 4 | 0 |
| April | 12.4 | S. | 36 | NE. | 0 | 6 | 6 | 4 | 12 | 15 | 1 | 3 | 13 | 0 | 8 | 10 | 12 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| May | 12.7 | S. | 34 | S. | 0 | 4 | 2 | 2 | 17 | 25 | 4 | 1 | 6 | 1 | 13 | 9 | 9 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 6 | 0 |
| June | 12.0 | SE. | 40 | NW. | 1 | 2 | 7 | 5 | 23 | 15 | 2 | 2 | 2 | 2 | 5 | 19 | 6 | 4 | 2 | 0 | 0 | 1 | 0 | 0 | 18 | 0 | 10 | 0 |
| July | 6.8 | NE. | 42 | NE. | 1 | 4 | 13 | 7 | 12 | 8 | 9 | 0 | 4 | 5 | 3 | 21 | 7 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 11 | 0 |
| August | 9.6 | S. | 42 | NW. | 1 | 3 | 4 | 4 | 25 | 13 | 8 | 6 | 3 | 2 | 6 | 18 | 7 | 5 | 5 | 0 | 0 | 1 | 0 | 0 | 28 | 0 | 5 | 0 |
| September | 9.6 | S. | 35 | N. | 0 | 5 | 2 | 7 | 20 | 15 | 3 | 0 | 7 | 1 | 14 | 10 | 6 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 6 | 0 |
| October | 10.1 | S. | 40 | NW. | 1 | 5 | 3 | 7 | 19 | 9 | 5 | 6 | 7 | 1 | 16 | 8 | 7 | 5 | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 5 | 0 |
| November | 11.7 | S. | 35 | S. | 0 | 4 | 1 | 0 | 17 | 13 | 8 | 5 | 12 | 0 | 19 | 4 | 7 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| December | 11.2 | NW. | 40 | S. | 1 | 5 | 5 | 1 | 8 | 10 | 13 | 4 | 15 | 1 | 14 | 8 | 9 | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 11 | 0 | 0 |
| Year | 11.0 | SE. | 48 | SE. | 10 | 68 | 56 | 52 | 184 | 160 | 66 | 31 | 99 | 16 | 125 | 129 | 112 | 65 | 52 | 4 | 1 | 4 | 10 | 4 | 104 | 36 | 62 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

FRESNO, CAL.

[$\phi$=36° 43′ N.; $\lambda$=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 | 29.651 | 30.240 | 28.750 | 41.9 | 49.3 | 52.6 | 38.5 | 45.6 | 66 | 28 | 38 | 40 | 85 | 71 | 0.231 | 0.250 | 5.17 | 0.81 | 6.1 | 7.0 | 7.3 |
| February | 29.759 | 30.260 | 29.460 | 48.6 | 61.8 | 63.9 | 45.9 | 54.9 | 74 | 34 | 45 | 48 | 89 | 61 | .308 | .335 | 1.67 | .70 | 3.7 | 4.9 | 5.8 |
| March | 29.727 | 30.090 | 29.415 | 49.1 | 66.4 | 68.5 | 46.2 | 57.4 | 86 | 35 | 45 | 48 | 88 | 53 | .311 | .350 | 1.81 | .71 | 2.3 | 2.8 | 3.1 |
| April | 29.664 | 29.870 | 29.400 | 50.4 | 74.2 | 76.2 | 48.5 | 62.4 | 84 | 42 | 44 | 40 | 79 | 31 | .290 | .254 | .02 | .02 | .8 | 1.9 | 1.7 |
| May | 29.588 | 29.840 | 29.398 | 51.0 | 77.1 | 78.9 | 49.6 | 64.2 | 93 | 40 | 39 | 31 | 63 | 21 | .237 | .181 | T. | T. | 1.9 | 1.1 | 1.8 |
| June | 29.530 | 29.800 | 29.270 | 58.2 | 87.9 | 89.1 | 57.4 | 73.2 | 103 | 46 | 44 | 38 | 60 | 18 | .285 | .229 | 0 | 0 | .9 | 1.2 | 1.1 |
| July | 29.495 | 29.690 | 29.270 | 64.1 | 95.0 | 96.1 | 62.9 | 79.5 | 108 | 53 | 45 | 37 | 52 | 14 | .305 | .226 | T. | T. | .2 | .1 | .1 |
| August | 29.501 | 29.740 | 29.290 | 63.8 | 92.7 | 94.3 | 62.2 | 78.2 | 103 | 52 | 47 | 42 | 56 | 18 | .326 | .275 | .08 | .06 | 1.1 | 1.3 | 1.2 |
| September | 29.545 | 29.730 | 29.380 | 60.6 | 86.5 | 88.4 | 58.1 | 73.2 | 100 | 52 | 46 | 42 | 60 | 24 | .310 | .279 | .38 | .31 | .8 | 1.3 | 1.0 |
| October | 29.661 | 29.970 | 29.380 | 50.3 | 68.2 | 71.2 | 48.3 | 59.8 | 80 | 39 | 46 | 47 | 87 | 47 | .320 | .322 | 1.16 | .45 | 2.4 | 2.8 | 3.0 |
| November | 29.807 | 30.030 | 29.540 | 42.5 | 59.6 | 63.0 | 39.5 | 51.2 | 79 | 28 | 37 | 37 | 81 | 45 | .226 | .230 | .28 | .27 | 1.8 | 2.5 | 3.0 |
| December | 29.739 | 30.150 | 29.110 | 39.2 | 51.1 | 54.7 | 36.1 | 45.4 | 71 | 28 | 35 | 38 | 86 | 64 | .211 | .239 | 1.93 | .85 | 3.4 | 4.4 | 4.8 |
| Year | 29.639 | 30.260 | 28.750 | 51.6 | 72.5 | 74.7 | 49.4 | 62.1 | 108 | 28 | 43 | 41 | 74 | 39 | .280 | .264 | 12.50 | .85 | 2.1 | 2.6 | 2.8 |

GALVESTON, TEX.

[$\phi$=29° 18′ N.; $\lambda$=94° 50′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.081 | 30.430 | 29.690 | 57.6 | 58.4 | 64.0 | 52.9 | 58.4 | 72 | 27 | 55 | 54 | 91 | 86 | 0.470 | 0.452 | 0.86 | 0.51 | 4.7 | 4.2 | 6.8 |
| February | 30.125 | 30.590 | 29.620 | 54.1 | 59.5 | 64.2 | 52.4 | 58.3 | 75 | 30 | 48 | 51 | 80 | 75 | .359 | .398 | .19 | .10 | 4.9 | 2.7 | 4.4 |
| March | 29.983 | 30.420 | 29.570 | 62.3 | 66.7 | 71.0 | 60.6 | 65.8 | 78 | 48 | 56 | 56 | 81 | 74 | .474 | .485 | .25 | .24 | 2.7 | 2.1 | 3.4 |
| April | 29.956 | 30.419 | 29.520 | 64.3 | 67.4 | 71.7 | 62.4 | 67.0 | 79 | 44 | 58 | 58 | 80 | 74 | .501 | .512 | 1.37 | .99 | 5.5 | 4.0 | 4.5 |
| May | 29.874 | 30.080 | 29.590 | 72.9 | 75.1 | 79.0 | 71.1 | 75.0 | 84 | 58 | 68 | 69 | 87 | 82 | .704 | .714 | 8.08 | 6.13 | 4.4 | 3.8 | 3.8 |
| June | 29.866 | 30.030 | 29.580 | 78.9 | 81.0 | 85.1 | 77.0 | 81.0 | 89 | 64 | 73 | 73 | 83 | 78 | .817 | .822 | 3.15 | 1.56 | 3.5 | 2.8 | 3.0 |
| July | 29.876 | 30.070 | 29.660 | 80.7 | 83.6 | 87.7 | 78.0 | 82.8 | 96 | 69 | 75 | 75 | 84 | 76 | .878 | .874 | 4.64 | 1.82 | 5.2 | 5.2 | 4.7 |
| August | 29.944 | 30.190 | 29.800 | 80.4 | 83.4 | 87.4 | 78.5 | 83.0 | 92 | 72 | 74 | 74 | 82 | 73 | .847 | .832 | 4.14 | 1.67 | 5.5 | 5.1 | 4.6 |
| September | 29.948 | 30.210 | 29.780 | 77.0 | 80.1 | 84.2 | 74.5 | 79.4 | 89 | 60 | 69 | 68 | 77 | 67 | .723 | .705 | 4.24 | 2.71 | 3.3 | 2.5 | 2.5 |
| October | 29.994 | 30.220 | 29.651 | 69.2 | 73.7 | 77.5 | 67.5 | 72.5 | 84 | 45 | 62 | 62 | 78 | 69 | .579 | .589 | .99 | .99 | 1.8 | 1.5 | 1.3 |
| November | 30.110 | 30.510 | 29.810 | 59.3 | 63.8 | 68.7 | 57.1 | 62.9 | 79 | 35 | 53 | 53 | 80 | 70 | .438 | .439 | 2.16 | 1.90 | 2.7 | 1.8 | 2.9 |
| December | 29.985 | 30.380 | 29.571 | 55.5 | 58.0 | 64.1 | 51.3 | 57.7 | 77 | 26 | 50 | 51 | 82 | 79 | .400 | .415 | .79 | .29 | 5.5 | 4.1 | 5.9 |
| Year | 29.978 | 30.590 | 29.520 | 67.7 | 70.9 | 75.4 | 65.3 | 70.3 | 96 | 26 | 62 | 62 | 82 | 75 | .599 | .603 | 30.86 | 6.13 | 4.1 | 3.3 | 4.0 |

GRAND HAVEN, MICH.

[$\phi$=43° 5′ N.; $\lambda$=86° 13′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.387 | 29.900 | 28.740 | 28.0 | 28.8 | 35.2 | 21.1 | 28.2 | 61 | 1 | 23 | 23 | 82 | 79 | 0.142 | 0.140 | 3.78 | 0.85 | 8.7 | 7.3 | 8.3 |
| February | 29.420 | 30.000 | 28.908 | 19.6 | 22.7 | 26.9 | 16.1 | 21.5 | 39 | − 3 | 16 | 17 | 82 | 78 | .092 | .098 | .80 | .18 | 8.5 | 8.0 | 7.7 |
| March | 29.280 | 29.780 | 28.420 | 24.0 | 30.5 | 35.6 | 20.1 | 27.8 | 70 | 5 | 19 | 23 | 80 | 73 | .113 | .137 | 2.59 | 1.55 | 5.5 | 5.0 | 6.2 |
| April | 29.261 | 29.580 | 28.790 | 40.2 | 44.7 | 50.4 | 36.8 | 43.6 | 70 | 25 | 34 | 34 | 79 | 68 | .201 | .205 | 2.17 | .73 | 6.1 | 5.7 | 5.5 |
| May | 29.205 | 29.630 | 28.710 | 51.3 | 55.7 | 62.6 | 46.0 | 54.3 | 85 | 30 | 44 | 44 | 78 | 67 | .303 | .307 | 4.12 | .96 | 5.5 | 5.5 | 5.2 |
| June | 29.179 | 29.640 | 28.610 | 55.9 | 60.7 | 66.6 | 51.3 | 59.0 | 82 | 44 | 51 | 51 | 84 | 73 | .377 | .386 | 6.07 | 1.58 | 5.5 | 4.3 | 4.3 |
| July | 29.329 | 29.550 | 29.090 | 72.4 | 79.8 | 85.4 | 65.6 | 75.5 | 95 | 54 | 63 | 62 | 72 | 56 | .586 | .569 | .19 | .09 | 2.1 | 1.5 | 1.5 |
| August | 29.330 | 29.597 | 29.090 | 67.8 | 72.1 | 78.6 | 60.7 | 69.6 | 92 | 48 | 61 | 61 | 80 | 68 | .558 | .548 | 5.30 | 2.60 | 3.0 | 3.3 | 3.3 |
| September | 29.324 | 29.638 | 28.840 | 57.2 | 61.4 | 67.6 | 52.5 | 60.0 | 81 | 35 | 50 | 50 | 78 | 69 | .384 | .393 | 4.28 | 1.93 | 4.4 | 4.1 | 4.8 |
| October | 29.363 | 29.771 | 28.530 | 45.8 | 50.8 | 57.6 | 40.8 | 49.2 | 76 | 33 | 40 | 41 | 82 | 69 | .260 | .263 | 3.30 | .91 | 5.1 | 3.5 | 4.6 |
| November | 29.350 | 29.780 | 28.460 | 36.9 | 41.3 | 45.3 | 33.2 | 39.2 | 70 | 19 | 30 | 32 | 77 | 71 | .179 | .196 | 2.37 | 1.04 | 6.4 | 6.2 | 6.3 |
| December | 29.249 | 29.790 | 28.840 | 24.9 | 28.2 | 31.4 | 20.2 | 25.8 | 57 | 2 | 19 | 20 | 79 | 77 | .113 | .117 | 2.78 | .50 | 7.7 | 7.6 | 7.2 |
| Year | 29.306 | 30.000 | 28.420 | 43.7 | 47.9 | 53.6 | 38.7 | 46.1 | 95 | − 3 | 38 | 38 | 79 | 71 | .276 | .280 | 37.75 | 2.60 | 5.7 | 5.2 | 5.4 |

GRAND JUNCTION, COLO.

[$\phi$=39° 04′ N.; $\lambda$=108° 34′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 25.304 | 25.750 | 24.560 | 18.1 | 26.4 | 32.1 | 12.9 | 22.5 | 50 | − 7 | 16 | 20 | 92 | 78 | 0.093 | 0.112 | 1.18 | 0.23 | 6.2 | 7.9 | 7.5 |
| February | 25.513 | 25.880 | 24.920 | 24.0 | 36.3 | 42.6 | 21.2 | 31.9 | 54 | − 9 | 21 | 27 | 89 | 68 | .117 | .147 | .45 | .16 | 4.1 | 4.4 | 4.6 |
| March | 25.399 | 25.770 | 24.610 | 37.0 | 54.2 | 58.0 | 33.7 | 45.8 | 72 | 18 | 26 | 25 | 63 | 36 | .140 | .136 | .71 | .32 | 3.7 | 4.7 | 3.9 |
| April | 25.329 | 25.640 | 24.970 | 42.4 | 61.6 | 65.9 | 39.5 | 52.7 | 82 | 27 | 28 | 24 | 58 | 27 | .153 | .129 | .20 | .13 | 4.6 | 5.6 | 5.4 |
| May | 25.245 | 25.580 | 24.900 | 48.6 | 70.6 | 72.6 | 44.6 | 55.6 | 88 | 32 | 26 | 17 | 43 | 15 | .140 | .097 | 1.05 | 1.04 | 3.4 | 3.9 | 3.8 |
| June | 25.288 | 25.540 | 24.950 | 60.0 | 84.8 | 86.3 | 57.1 | 71.7 | 94 | 43 | 28 | 22 | 30 | 10 | .150 | .115 | T. | T. | 1.4 | 2.5 | 1.7 |
| July | 25.398 | 25.620 | 25.110 | 66.3 | 84.9 | 89.6 | 64.3 | 77.0 | 98 | 57 | 46 | 44 | 52 | 28 | .331 | .299 | .76 | .33 | 3.1 | 5.6 | 4.3 |
| August | 25.407 | 25.650 | 25.170 | 62.4 | 81.0 | 84.2 | 60.6 | 72.4 | 92 | 54 | 48 | 45 | 62 | 32 | .347 | .316 | 2.16 | .75 | 3.3 | 4.1 | 4.0 |
| September | 25.399 | 25.690 | 25.120 | 54.1 | 75.6 | 79.2 | 51.8 | 65.5 | 88 | 42 | 37 | 35 | 54 | 24 | .225 | .210 | .50 | .28 | 2.7 | 2.5 | 2.6 |
| October | 25.405 | 25.820 | 25.010 | 42.4 | 57.0 | 62.8 | 39.2 | 51.0 | 75 | 29 | 36 | 35 | 78 | 46 | .222 | .214 | 2.12 | .52 | 3.7 | 3.4 | 3.4 |
| November | 25.503 | 25.890 | 24.920 | 26.8 | 41.8 | 48.5 | 23.2 | 35.8 | 69 | 6 | 19 | 21 | 72 | 42 | .100 | .110 | .34 | .19 | 1.7 | 2.9 | 2.6 |
| December | 25.335 | 25.780 | 24.520 | 18.7 | 28.9 | 35.2 | 14.5 | 24.8 | 55 | 0 | 15 | 18 | 84 | 63 | .085 | .098 | .27 | .14 | 4.1 | 6.1 | 5.4 |
| Year | 25.377 | 25.890 | 24.520 | 41.7 | 58.6 | 63.1 | 38.6 | 50.8 | 98 | − 9 | 29 | 28 | 65 | 39 | .175 | .165 | 9.74 | 1.04 | 3.5 | 4.5 | 4.1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

FRESNO, CAL.

[$H_b$=330 ft.; $h_t$=89 ft.; $h_r$=82 ft.; $h_a$=98 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 6.6 | E. | 52 | SW. | 1 | 7 | 1 | 16 | 15 | 3 | 2 | 3 | 12 | 3 | 4 | 10 | 17 | 19 | 15 | 3 | 3 | 0 | 5 | 0 | 0 | 5 | 0 | 0 |
| February | 4.6 | E. | 31 | SW. | 0 | 4 | 3 | 17 | 6 | 2 | 2 | 5 | 16 | 3 | 4 | 17 | 8 | 8 | 5 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 |
| March | 6.0 | NW. | 44 | NW. | 1 | 3 | 3 | 12 | 5 | 2 | 0 | 4 | 33 | 0 | 20 | 6 | 5 | 7 | 5 | 1 | 1 | 1 | 4 | 0 | 0 | 0 | 1 | 0 |
| April | 9.1 | NW. | 28 | NW. | 0 | 1 | 2 | 7 | 3 | 0 | 0 | 2 | 44 | 1 | 22 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 10.4 | NW. | 39 | NW. | 0 | 3 | 0 | 2 | 1 | 1 | 3 | 0 | 52 | 0 | 25 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 |
| June | 10.1 | NW. | 28 | NW. | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 5 | 52 | 0 | 27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| July | 9.6 | NW. | 30 | NW. | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 3 | 54 | 1 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 |
| August | 7.7 | NW. | 26 | NW. | 0 | 2 | 1 | 1 | 1 | 0 | 1 | 6 | 49 | 1 | 27 | 4 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 2 | 0 |
| September | 7.6 | NW. | 32 | NW. | 0 | 1 | 4 | 3 | 2 | 0 | 2 | 4 | 43 | 1 | 26 | 3 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 1 | 0 |
| October | 4.6 | NW. | 19 | NW. | 0 | 6 | 6 | 11 | 2 | 2 | 2 | 8 | 24 | 1 | 18 | 7 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 4.4 | NW. | 26 | NW. | 0 | 3 | 4 | 12 | 4 | 2 | 1 | 5 | 26 | 3 | 20 | 6 | 4 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| December | 5.5 | NW. | 40 | NW. | 1 | 1 | 1 | 15 | 8 | 2 | 2 | 3 | 26 | 4 | 13 | 8 | 10 | 9 | 7 | 1 | 1 | 0 | 8 | 0 | 0 | 11 | 0 | 0 |
| Year | 7.2 | NW. | 52 | SW. | 3 | 35 | 25 | 96 | 48 | 15 | 16 | 48 | 431 | 18 | 237 | 78 | 51 | 57 | 42 | 5 | 5 | 1 | 31 | 0 | 73 | 18 | 5 | 0 |

GALVESTON, TEX.

[$H_b$=54 ft.; $h_t$=106 ft.; $h_r$=98 ft.; $h_a$=114 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.6 | SE. | 41 | NW. | 1 | 11 | 6 | 9 | 22 | 12 | 1 | 0 | 1 | 0 | 8 | 6 | 17 | 6 | 4 | 0 | 0 | 0 | 12 | 0 | 0 | 4 | 0 | 0 |
| February | 11.6 | S. | 35 | N. | 0 | 11 | 4 | 6 | 14 | 12 | 2 | 5 | 3 | 1 | 12 | 9 | 8 | 3 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 2 | 0 |
| March | 13.2 | S. | 39 | NW. | 0 | 9 | 2 | 1 | 13 | 28 | 4 | 0 | 5 | 0 | 17 | 11 | 3 | 2 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 |
| April | 13.8 | S. | 42 | S. | 1 | 11 | 6 | 1 | 20 | 17 | 1 | 2 | 2 | 0 | 15 | 10 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 13.0 | S. | 59 | N. | 2 | 5 | 4 | 3 | 13 | 33 | 3 | 0 | 1 | 0 | 20 | 5 | 6 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| June | 12.4 | S. | 40 | NW. | 1 | 3 | 3 | 1 | 7 | 34 | 8 | 3 | 1 | 0 | 23 | 5 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| July | 8.9 | SW. | 45 | NW. | 1 | 5 | 3 | 5 | 6 | 16 | 17 | 8 | 2 | 0 | 10 | 16 | 5 | 12 | 10 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 12 | 0 |
| August | 9.9 | S. | 44 | SE. | 1 | 3 | 5 | 4 | 20 | 18 | 5 | 2 | 4 | 1 | 13 | 12 | 6 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 9 | 0 |
| September | 9.6 | S. | 33 | N. | 0 | 6 | 12 | 6 | 7 | 22 | 3 | 2 | 1 | 1 | 22 | 6 | 2 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| October | 10.1 | SE. | 40 | N. | 1 | 7 | 11 | 5 | 21 | 7 | 2 | 2 | 7 | 0 | 28 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 11.1 | SE. | 39 | N. | 0 | 14 | 9 | 2 | 17 | 9 | 2 | 3 | 4 | 0 | 22 | 1 | 7 | 6 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| December | 12.6 | S. | 43 | N. | 1 | 12 | 6 | 6 | 12 | 14 | 7 | 2 | 3 | 0 | 8 | 9 | 14 | 8 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 3 | 0 |
| Year | 11.6 | S. | 59 | N. | 9 | 97 | 71 | 49 | 172 | 222 | 55 | 29 | 34 | 3 | 198 | 92 | 76 | 70 | 53 | 0 | 0 | 1 | 25 | 0 | 12 | 7 | 43 | 0 |

GRAND HAVEN, MICH.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 17.1 | W. | 52 | W. | 3 | 5 | 3 | 6 | 7 | 12 | 9 | 13 | 7 | 0 | 4 | 1 | 26 | 21 | 18 | 14 | 12 | 0 | 0 | 11 | 0 | 24 | 0 | 1 |
| February | 12.6 | W. | 45 | W. | 3 | 6 | 8 | 2 | 8 | 2 | 7 | 11 | 14 | 0 | 3 | 6 | 20 | 18 | 6 | 20 | 17 | 0 | 0 | 21 | 0 | 29 | 0 | 0 |
| March | 12.4 | N. | 43 | SW. | 1 | 15 | 11 | 6 | 9 | 5 | 3 | 8 | 5 | 0 | 5 | 13 | 13 | 14 | 8 | 14 | 9 | 0 | 3 | 12 | 0 | 25 | 0 | 2 |
| April | 11.8 | W. | 33 | W. | 0 | 7 | 4 | 7 | 4 | 9 | 3 | 15 | 11 | 0 | 10 | 8 | 12 | 15 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 6 | 2 | 2 |
| May | 11.2 | W. | 40 | SW. | 1 | 2 | 3 | 9 | 9 | 11 | 9 | 10 | 9 | 0 | 10 | 12 | 9 | 16 | 14 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 10 | 0 |
| June | 9.9 | W. | 44 | S. | 2 | 4 | 4 | 7 | 5 | 14 | 7 | 15 | 4 | 0 | 15 | 7 | 8 | 14 | 13 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 |
| July | 7.1 | W. | 24 | N. | 0 | 10 | 9 | 10 | 5 | 6 | 4 | 10 | 8 | 0 | 26 | 5 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 4 | 0 |
| August | 8.2 | S. | 34 | W. | 0 | 8 | 5 | 4 | 11 | 12 | 6 | 9 | 6 | 1 | 19 | 9 | 3 | 7 | 6 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 6 | 1 |
| September | 11.4 | S. | 37 | N. | 0 | 5 | 1 | 5 | 4 | 17 | 6 | 7 | 15 | 0 | 13 | 7 | 10 | 14 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 |
| October | 12.9 | S. | 49 | W. | 3 | 8 | 4 | 3 | 14 | 11 | 3 | 10 | 9 | 0 | 13 | 9 | 9 | 14 | 11 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| November | 14.5 | W. | 53 | W. | 3 | 5 | 9 | 7 | 3 | 7 | 8 | 17 | 4 | 0 | 10 | 3 | 17 | 12 | 10 | 6 | 4 | 1 | 2 | 3 | 0 | 13 | 1 | 0 |
| December | 13.7 | W. | 48 | W. | 1 | 5 | 2 | 9 | 12 | 3 | 5 | 20 | 6 | 0 | 6 | 5 | 20 | 17 | 15 | 18 | 13 | 0 | 0 | 19 | 0 | 24 | 2 | 0 |
| Year | 11.9 | W. | 53 | W. | 17 | 80 | 63 | 75 | 91 | 109 | 70 | 145 | 98 | 1 | 134 | 85 | 147 | 166 | 124 | 75 | 56 | 3 | 9 | 66 | 9 | 122 | 40 | 7 |

GRAND JUNCTION, COLO.

[$H_b$=4,602 ft.; $h_t$=82 ft.; $h_r$=74 ft.; $h_a$=96 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 5.2 | NW. | 51 | SW. | 1 | 3 | 4 | 6 | 9 | 3 | 5 | 10 | 20 | 2 | 4 | 8 | 19 | 16 | 14 | 20 | 15 | 0 | 1 | 16 | 0 | 31 | 0 | 0 |
| February | 4.6 | NW. | 34 | NW. | 0 | 1 | 0 | 4 | 11 | 2 | 0 | 8 | 29 | 3 | 10 | 12 | 7 | 6 | 5 | 6 | 3 | 0 | 2 | 4 | 0 | 28 | 0 | 0 |
| March | 7.6 | NW. | 36 | SE. | 0 | 4 | 3 | 4 | 16 | 1 | 3 | 10 | 21 | 0 | 17 | 6 | 8 | 7 | 5 | 3 | 2 | 0 | 0 | 1 | 0 | 12 | 0 | 0 |
| April | 7.4 | SE. | 37 | W. | 0 | 4 | 1 | 9 | 18 | 2 | 3 | 9 | 14 | 0 | 9 | 13 | 8 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| May | 8.9 | NW. | 49 | SW. | 1 | 3 | 5 | 5 | 16 | 0 | 8 | 14 | 11 | 0 | 16 | 10 | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| June | 8.4 | NW. | 34 | S. | 0 | 5 | 1 | 5 | 20 | 3 | 4 | 8 | 14 | 0 | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 1 | 0 |
| July | 8.0 | SE. | 37 | NW. | 0 | 2 | 2 | 7 | 32 | 4 | 3 | 1 | 11 | 0 | 9 | 17 | 5 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 11 | 0 |
| August | 7.6 | SE. | 35 | SW. | 0 | 1 | 0 | 5 | 31 | 3 | 3 | 5 | 13 | 1 | 14 | 13 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 0 |
| September | 7.7 | SE. | 37 | SW. | 0 | 4 | 1 | 3 | 25 | 1 | 1 | 7 | 18 | 0 | 19 | 10 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| October | 7.1 | SE. | 38 | SW. | 0 | 4 | 2 | 5 | 19 | 5 | 5 | 12 | 10 | 0 | 18 | 7 | 6 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 | 0 |
| November | 5.9 | SE. | 56 | W. | 1 | 2 | 5 | 4 | 30 | 4 | 1 | 11 | 13 | 0 | 19 | 8 | 3 | 2 | 2 | 3 | 2 | 0 | 0 | 2 | 0 | 26 | 0 | 0 |
| December | 5.8 | NW. | 38 | W. | 0 | 2 | 1 | 5 | 10 | 3 | 2 | 20 | 19 | 0 | 9 | 14 | 8 | 8 | 2 | 10 | 7 | 0 | 0 | 15 | 0 | 30 | 0 | 0 |
| Year | 7.0 | SE. | 56 | W. | 3 | 35 | 25 | 62 | 227 | 31 | 38 | 115 | 193 | 6 | 169 | 123 | 74 | 77 | 55 | 44 | 30 | 0 | 4 | 38 | 28 | 142 | 32 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

GRAND RAPIDS, MICH.

[$\phi$=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 | 29.316 | 29.830 | 28.680 | 28.1 | 29.2 | 35.9 | 21.5 | 28.7 | 62 | 0 | 24 | 24 | 82 | 80 | 0.144 | 0.146 | 3.90 | 1.06 | 9.6 | 6.5 | 9.1 |
| February | 29.337 | 29.908 | 28.811 | 19.0 | 22.0 | 27.1 | 15.1 | 21.1 | 43 | − 6 | 16 | 17 | 86 | 78 | .093 | .094 | .74 | .17 | 7.6 | 7.5 | 8.2 |
| March | 29.200 | 29.690 | 28.360 | 24.3 | 31.5 | 37.2 | 20.4 | 28.8 | 68 | 5 | 20 | 23 | 82 | 71 | .119 | .139 | 3.16 | 1.60 | 5.9 | 5.6 | 6.4 |
| April | 29.182 | 29.510 | 28.720 | 41.5 | 48.5 | 55.5 | 37.9 | 46.7 | 73 | 26 | 34 | 34 | 76 | 61 | .205 | .210 | 2.52 | .68 | 6.9 | 6.9 | 6.5 |
| May | 29.131 | 29.561 | 28.640 | 53.9 | 61.1 | 67.5 | 48.2 | 57.8 | 88 | 36 | 44 | 46 | 71 | 59 | .304 | .329 | 4.13 | .80 | 5.6 | 6.6 | 5.9 |
| June | 29.110 | 29.580 | 28.570 | 58.9 | 66.3 | 71.7 | 53.3 | 62.5 | 81 | 46 | 52 | 53 | 79 | 63 | .394 | .406 | 6.56 | 1.54 | 6.6 | 6.2 | 5.8 |
| July | 29.255 | 29.490 | 29.000 | 73.7 | 84.8 | 90.4 | 67.1 | 78.8 | 103 | 56 | 63 | 63 | 70 | 49 | .594 | .587 | 1.07 | .69 | 2.7 | 1.6 | 2.5 |
| August | 29.260 | 29.540 | 29.000 | 67.4 | 75.3 | 83.1 | 62.5 | 72.8 | 97 | 48 | 60 | 61 | 79 | 62 | .543 | .558 | 4.41 | 1.70 | 3.2 | 4.9 | 4.4 |
| September | 29.253 | 29.586 | 28.810 | 56.5 | 62.9 | 70.4 | 52.3 | 61.4 | 87 | 37 | 50 | 50 | 79 | 64 | .380 | .390 | 2.43 | .72 | 6.2 | 4.8 | 6.2 |
| October | 29.292 | 29.697 | 28.440 | 46.3 | 52.1 | 60.0 | 42.2 | 51.1 | 83 | 33 | 39 | 40 | 78 | 64 | .248 | .255 | 3.73 | 1.22 | 5.4 | 3.7 | 5.7 |
| November | 29.276 | 29.740 | 28.361 | 36.8 | 40.6 | 46.6 | 33.1 | 39.8 | 69 | 19 | 30 | 32 | 78 | 73 | .176 | .196 | 2.12 | 1.03 | 6.8 | 5.9 | 7.2 |
| December | 29.176 | 29.730 | 28.750 | 24.0 | 26.4 | 31.3 | 19.6 | 25.4 | 59 | 1 | 20 | 20 | 82 | 76 | .118 | .118 | 3.81 | .78 | 7.9 | 7.7 | 7.8 |
| Year | 29.232 | 29.908 | 28.360 | 44.2 | 50.1 | 56.4 | 39.4 | 47.9 | 103 | − 6 | 38 | 39 | 78 | 67 | .276 | .286 | 38.58 | 1.70 | 6.2 | 5.7 | 6.3 |

GREEN BAY, WIS.

[$\phi$=44° 31′ N.; $\lambda$=88° 0′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.381 | 29.950 | 28.640 | 17.8 | 19.9 | 26.8 | 10.5 | 18.6 | 47 | −15 | 13 | 14 | 79 | 75 | 0.095 | 0.099 | 2.39 | 0.60 | 6.7 | 6.8 | 6.6 |
| February | 29.448 | 30.030 | 29.020 | 9.2 | 16.3 | 20.9 | 6.4 | 13.6 | 42 | −12 | 5 | 10 | 81 | 72 | .059 | .073 | 1.09 | .28 | 7.2 | 6.2 | 6.9 |
| March | 29.317 | 29.820 | 28.500 | 18.1 | 27.2 | 32.1 | 15.5 | 23.8 | 54 | − 2 | 13 | 20 | 79 | 72 | .088 | .116 | 1.53 | .29 | 7.1 | 5.9 | 6.7 |
| April | 29.265 | 29.610 | 28.690 | 37.6 | 45.4 | 50.8 | 35.3 | 43.0 | 67 | 20 | 32 | 35 | 80 | 68 | .187 | .207 | 2.39 | 1.22 | 6.5 | 6.9 | 7.2 |
| May | 29.188 | 29.689 | 28.570 | 50.3 | 57.9 | 63.4 | 46.1 | 54.8 | 78 | 33 | 44 | 47 | 80 | 68 | .299 | .332 | 3.94 | 1.83 | 6.4 | 6.5 | 6.9 |
| June | 29.181 | 29.650 | 28.590 | 56.8 | 63.6 | 68.1 | 52.7 | 60.4 | 80 | 45 | 51 | 53 | 82 | 70 | .384 | .407 | 6.73 | 1.50 | 6.4 | 7.4 | 7.1 |
| July | 29.342 | 29.620 | 29.100 | 70.3 | 80.5 | 86.8 | 66.0 | 76.4 | 101 | 55 | 63 | 67 | 79 | 64 | .590 | .673 | 2.42 | 1.00 | 3.5 | 4.5 | 4.4 |
| August | 29.320 | 29.653 | 29.070 | 64.5 | 74.8 | 81.4 | 61.4 | 71.4 | 96 | 46 | 58 | 62 | 79 | 64 | .500 | .566 | 1.39 | .68 | 4.7 | 5.3 | 5.2 |
| September | 29.299 | 29.660 | 28.740 | 52.7 | 60.5 | 66.6 | 49.8 | 58.2 | 83 | 33 | 48 | 50 | 85 | 70 | .362 | .386 | 3.27 | 1.03 | 5.4 | 6.4 | 6.5 |
| October | 29.349 | 29.803 | 28.650 | 43.1 | 48.2 | 55.8 | 39.5 | 47.6 | 80 | 27 | 38 | 39 | 82 | 71 | .236 | .243 | 4.73 | 1.42 | 6.6 | 6.9 | 6.6 |
| November | 29.355 | 29.830 | 28.580 | 29.8 | 34.3 | 40.3 | 27.0 | 33.6 | 64 | 2 | 26 | 27 | 84 | 74 | .148 | .156 | 3.27 | .80 | 7.7 | 6.6 | 7.0 |
| December | 29.258 | 29.830 | 28.810 | 12.8 | 17.3 | 23.6 | 9.3 | 16.4 | 50 | −15 | 8 | 10 | 78 | 71 | .076 | .086 | 1.04 | .29 | 5.3 | 5.2 | 5.6 |
| Year | 29.309 | 30.030 | 28.500 | 38.6 | 45.5 | 51.4 | 35.0 | 43.2 | 101 | −15 | 33 | 36 | 81 | 70 | .252 | .279 | 34.19 | 1.83 | 6.1 | 6.2 | 6.4 |

HANNIBAL, MO.

[$\phi$=39° 41′ N.; $\lambda$=91° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.561 | 30.120 | 28.930 | 26.0 | ..... | 39.2 | 18.5 | 28.8 | | −13 | 22 | .... | 82 | .... | 0.136 | ..... | 6.40 | 1.61 | 6.9 | ..... | 6.5 |
| February | 29.614 | 30.110 | 29.200 | 22.2 | ..... | 35.4 | 19.4 | 27.4 | 60 | 1 | 17 | .... | 79 | .... | .099 | ..... | .53 | .32 | 5.3 | ..... | 5.1 |
| March | 29.369 | 29.860 | 28.460 | 34.4 | ..... | 52.3 | 31.4 | 41.8 | 81 | 10 | 29 | .... | 78 | .... | .170 | ..... | 1.44 | .53 | 5.9 | ..... | 5.5 |
| April | 29.400 | 29.770 | 28.910 | 47.0 | ..... | 60.8 | 42.8 | 51.8 | 84 | 28 | 40 | .... | 78 | .... | .264 | ..... | 1.64 | .96 | 7.0 | ..... | 6.1 |
| May | 29.321 | 29.670 | 28.970 | 58.5 | ..... | 73.5 | 54.3 | 63.9 | 89 | 43 | 52 | .... | 79 | .... | .401 | ..... | 6.25 | 2.02 | 5.3 | ..... | 5.5 |
| June | 29.300 | 29.610 | 28.770 | 63.6 | ..... | 77.2 | 58.8 | 68.0 | 94 | 51 | 57 | .... | 80 | .... | .475 | ..... | 5.56 | 2.01 | 4.8 | ..... | 4.8 |
| July | 29.416 | 29.620 | 29.230 | 74.3 | ..... | 94.6 | 69.1 | 81.8 | 101 | 62 | 66 | .... | 78 | .... | .645 | ..... | .05 | .05 | .9 | ..... | 1.6 |
| August | 29.437 | 29.690 | 29.200 | 70.4 | ..... | 87.9 | 67.5 | 77.7 | 99 | 48 | 65 | .... | 82 | .... | .625 | ..... | 9.15 | 3.90 | 3.7 | ..... | 3.8 |
| September | 29.472 | 29.800 | 29.010 | 57.8 | ..... | 77.3 | 55.2 | 66.2 | 94 | 35 | 52 | .... | 81 | .... | .418 | ..... | 2.77 | 1.74 | 3.6 | ..... | 3.3 |
| October | 29.502 | 29.980 | 29.030 | 46.9 | ..... | 67.2 | 44.5 | 55.8 | 88 | 24 | 41 | .... | 81 | .... | .268 | ..... | 1.59 | .92 | 4.3 | ..... | 4.0 |
| November | 29.515 | 29.880 | 28.910 | 38.7 | ..... | 56.1 | 35.2 | 45.6 | 79 | 12 | 31 | .... | 74 | .... | .184 | ..... | 2.01 | 1.08 | 3.6 | ..... | 3.5 |
| December | 29.429 | 30.050 | 28.970 | 23.9 | ..... | 36.7 | 19.1 | 27.9 | 66 | − 6 | 18 | .... | 77 | .... | .116 | ..... | 1.59 | .80 | 3.9 | ..... | 5.3 |
| Year | 29.445 | 30.120 | 28.460 | 47.0 | ..... | 63.2 | 43.0 | 53.1 | 101 | −13 | 41 | .... | 79 | .... | .317 | ..... | 38.98 | 3.90 | 4.6 | ..... | 4.6 |

HARRISBURG, PA.

[$\phi$=40° 16′ N.; $\lambda$=76° 52′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.837 | 30.250 | 29.210 | 31.7 | 37.1 | 42.6 | 28.4 | 35.5 | 68 | 9 | 24 | 25 | 74 | 61 | 0.148 | 0.152 | 1.61 | 0.36 | 6.3 | 5.6 | 6.8 |
| February | 29.647 | 30.220 | 28.870 | 24.8 | 29.7 | 34.9 | 21.4 | 28.2 | 54 | 5 | 18 | 20 | 74 | 66 | .105 | .115 | 2.67 | 1.03 | 6.7 | 5.6 | 6.8 |
| March | 29.554 | 30.010 | 28.790 | 29.9 | 35.6 | 40.5 | 26.1 | 33.3 | 68 | 6 | 22 | 25 | 70 | 66 | .125 | .149 | 4.14 | 1.23 | 5.5 | 4.8 | 5.8 |
| April | 29.558 | 29.874 | 29.050 | 45.2 | 52.4 | 58.9 | 41.9 | 50.4 | 75 | 31 | 37 | 39 | 76 | 64 | .227 | .250 | 2.64 | .99 | 5.7 | 6.8 | 6.6 |
| May | 29.542 | 29.940 | 29.180 | 58.9 | 65.6 | 71.9 | 54.8 | 63.4 | 87 | 41 | 46 | 47 | 64 | 55 | .322 | .348 | 2.25 | .72 | 5.6 | 6.1 | 6.0 |
| June | 29.550 | 29.824 | 29.200 | 62.1 | 69.0 | 74.9 | 58.0 | 66.4 | 84 | 50 | 54 | 55 | 76 | 64 | .428 | .447 | 3.98 | .95 | 5.6 | 5.5 | 5.9 |
| July | 29.619 | 29.940 | 29.220 | 72.4 | 77.8 | 84.9 | 67.8 | 76.4 | 93 | 58 | 65 | 65 | 78 | 67 | .626 | .640 | 4.48 | 1.46 | 5.4 | 6.3 | 6.1 |
| August | 29.617 | 29.886 | 29.280 | 69.1 | 76.0 | 84.2 | 64.9 | 74.6 | 97 | 54 | 62 | 63 | 78 | 66 | .558 | .592 | 2.34 | .83 | 3.8 | 4.6 | 4.8 |
| September | 29.690 | 30.080 | 29.420 | 59.3 | 67.0 | 75.3 | 54.9 | 65.1 | 89 | 43 | 52 | 53 | 78 | 62 | .411 | .423 | 6.50 | 5.14 | 3.8 | 3.0 | 3.9 |
| October | 29.763 | 30.086 | 29.100 | 48.0 | 57.0 | 64.7 | 44.1 | 54.4 | 85 | 24 | 41 | 45 | 79 | 66 | .275 | .318 | 1.90 | 1.21 | 3.6 | 2.7 | 3.6 |
| November | 29.758 | 30.140 | 28.920 | 39.1 | 44.2 | 50.6 | 35.6 | 43.1 | 70 | 24 | 30 | 31 | 70 | 60 | .171 | .185 | 1.47 | .65 | 5.2 | 3.8 | 5.1 |
| December | 29.625 | 30.140 | 28.940 | 29.2 | 33.1 | 38.2 | 26.5 | 32.4 | 68 | 11 | 21 | 20 | 71 | 57 | .118 | .108 | 2.39 | .74 | 5.7 | 4.5 | 5.1 |
| Year | 29.647 | 30.250 | 28.790 | 47.5 | 53.7 | 60.1 | 43.7 | 51.9 | 97 | 5 | 39 | 41 | 74 | 63 | .293 | .311 | 36.37 | 5.14 | 5.2 | 4.9 | 5.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

GRAND RAPIDS, MICH.

[$H_b$=707 ft.; $h_t$=70 ft.; $h_r$=70 ft.; $h_a$=87 ft.

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 9.2 | W. | 32 | NW. | 0 | 1 | 2 | 3 | 9 | 17 | 8 | 10 | 12 | 0 | 1 | 2 | 28 | 22 | 14 | 13 | 9 | 0 | 0 | 11 | 0 | 24 | 0 | 0 |
| February | 7.2 | W. | 28 | NW. | 0 | 0 | 12 | 4 | 5 | 4 | 6 | 13 | 13 | 1 | 2 | 7 | 20 | 16 | 9 | 23 | 15 | 0 | 0 | 22 | 0 | 29 | 0 | 0 |
| March | 7.2 | NE. | 26 | NW. | 0 | 3 | 13 | 9 | 12 | 0 | 7 | 5 | 11 | 2 | 6 | 12 | 13 | 15 | 10 | 16 | 10 | 0 | 3 | 11 | 0 | 25 | 0 | 0 |
| April | 7.5 | W. | 36 | W. | 0 | 0 | 8 | 6 | 9 | 3 | 7 | 10 | 16 | 1 | 5 | 13 | 12 | 14 | 12 | 1 | 1 | 1 | 0 | 0 | 0 | 6 | 4 | 3 |
| May | 7.3 | W. | 30 | W. | 0 | 0 | 4 | 6 | 12 | 4 | 14 | 17 | 5 | 0 | 8 | 12 | 11 | 12 | 11 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 6.1 | W. | 22 | W. | 0 | 1 | 1 | 8 | 14 | 8 | 5 | 15 | 8 | 0 | 5 | 16 | 9 | 14 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| July | 4.2 | E. | 19 | W. | 0 | 0 | 9 | 17 | 5 | 3 | 6 | 9 | 12 | 1 | 19 | 12 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 8 | 0 |
| August | 4.4 | W. | 34 | W. | 0 | 1 | 6 | 6 | 6 | 4 | 9 | 13 | 12 | 5 | 13 | 11 | 7 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 8 | 1 |
| September | 5.6 | S. | 20 | NW. | 0 | 0 | 3 | 2 | 6 | 17 | 6 | 14 | 11 | 1 | 5 | 12 | 13 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| October | 6.6 | S. | 32 | W. | 0 | 2 | 5 | 4 | 17 | 9 | 7 | 7 | 11 | 0 | 9 | 9 | 13 | 14 | 11 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| November | 7.3 | W. | 30 | W. | 0 | 2 | 5 | 7 | 8 | 9 | 10 | 10 | 8 | 1 | 7 | 5 | 18 | 13 | 8 | 7 | 4 | 1 | 5 | 3 | 0 | 16 | 1 | 0 |
| December | 6.9 | W. | 28 | NW. | 0 | 2 | 4 | 4 | 11 | 8 | 9 | 16 | 8 | 0 | 7 | 2 | 22 | 19 | 14 | 18 | 14 | 0 | 0 | 19 | 0 | 25 | 2 | 0 |
| Year | 6.6 | W. | 36 | W. | 0 | 12 | 72 | 76 | 114 | 86 | 94 | 139 | 127 | 12 | 87 | 113 | 166 | 164 | 121 | 81 | 53 | 3 | 9 | 66 | 20 | 125 | 51 | 4 |

GREEN BAY, WIS.

[$H_b$=617 ft.; $h_t$=109 ft.; $h_r$=101 ft.; $h_a$=144 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.1 | S. | 42 | NW. | 1 | 3 | 8 | 3 | 2 | 13 | 16 | 11 | 6 | 0 | 7 | 9 | 15 | 10 | 7 | 8 | 6 | 0 | 1 | 16 | 0 | 29 | 0 | 0 |
| February | 11.1 | SW. | 42 | N. | 1 | 9 | 5 | 2 | 1 | 8 | 21 | 5 | 7 | 0 | 6 | 7 | 16 | 9 | 6 | 15 | 9 | 0 | 0 | 24 | 0 | 29 | 0 | 0 |
| March | 12.3 | N. | 50 | N. | 2 | 15 | 14 | 3 | 6 | 8 | 9 | 2 | 5 | 0 | 6 | 12 | 13 | 12 | 9 | 12 | 10 | 0 | 2 | 17 | 0 | 27 | 1 | 1 |
| April | 12.7 | NE. | 48 | NW. | 1 | 7 | 10 | 3 | 8 | 7 | 8 | 6 | 11 | 0 | 4 | 9 | 17 | 12 | 8 | 2 | 0 | 1 | 0 | 0 | 0 | 7 | 2 | 1 |
| May | 13.1 | S. | 54 | W. | 6 | 2 | 9 | 3 | 9 | 15 | 9 | 12 | 3 | 0 | 5 | 12 | 14 | 17 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| June | 10.6 | NE. | 44 | NE. | 1 | 8 | 6 | 9 | 8 | 11 | 9 | 7 | 2 | 0 | 1 | 18 | 11 | 15 | 14 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 8.5 | S. | 34 | NW. | 0 | 5 | 17 | 7 | 6 | 14 | 10 | 1 | 2 | 0 | 14 | 17 | 0 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 8 | 1 |
| August | 9.2 | SW. | 45 | N. | 1 | 6 | 3 | 1 | 8 | 14 | 20 | 1 | 9 | 0 | 14 | 10 | 7 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 6 | 2 |
| September | 10.6 | SW. | 43 | W. | 1 | 6 | 3 | 2 | 8 | 12 | 18 | 8 | 3 | 0 | 6 | 10 | 14 | 13 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 0 |
| October | 13.1 | S. | 52 | NW. | 3 | 7 | 1 | 2 | 7 | 19 | 12 | 4 | 10 | 0 | 10 | 6 | 15 | 14 | 11 | 2 | 2 | 0 | 0 | 0 | 0 | 6 | 3 | 0 |
| November | 12.2 | SW. | 37 | NW. | 0 | 8 | 5 | 0 | 5 | 8 | 17 | 8 | 9 | 0 | 8 | 6 | 16 | 10 | 9 | 8 | 4 | 1 | 0 | 8 | 0 | 18 | 1 | 0 |
| December | 12.0 | SW. | 37 | W. | 0 | 7 | 3 | 2 | 6 | 7 | 24 | 10 | 3 | 0 | 13 | 6 | 12 | 8 | 8 | 11 | 7 | 0 | 3 | 21 | 0 | 27 | 1 | 0 |
| Year | 11.6 | SW. | 54 | W. | 17 | 83 | 84 | 37 | 74 | 136 | 173 | 75 | 70 | 0 | 94 | 122 | 150 | 135 | 106 | 59 | 39 | 3 | 7 | 86 | 16 | 143 | 43 | 5 |

HANNIBAL, MO.

[$H_b$=534 ft.; $h_t$=74 ft.; $h_r$=68 ft.; $h_a$=109 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.5 | NW. | 36 | SW. | 0 | 4 | 2 | 0 | 5 | 4 | 5 | 3 | 8 | 0 | 10 | 3 | 18 | 14 | 13 | 6 | 3 | 0 | 4 | 12 | 0 | 25 | 4 | 0 |
| February | 9.2 | NW. | 33 | NW. | 0 | 3 | 2 | 3 | 1 | 1 | 8 | 4 | 7 | 0 | 10 | 10 | 9 | 5 | 5 | 9 | 5 | 0 | 1 | 11 | 0 | 25 | 0 | 0 |
| March | 11.3 | N. | 37 | W. | 0 | 4 | 4 | 5 | 4 | 1 | 6 | 0 | 7 | 0 | 12 | 8 | 11 | 10 | 6 | 9 | 5 | 0 | 1 | 3 | 0 | 19 | 0 | 0 |
| April | 10.5 | SW. | 38 | W. | 0 | 7 | 2 | 2 | 2 | 3 | 7 | 4 | 3 | 0 | 8 | 9 | 13 | 16 | 12 | 2 | 2 | 0 | 1 | 0 | 0 | 2 | 2 | 0 |
| May | 10.1 | SW. | 42 | E. | 2 | 3 | 1 | 6 | 1 | 1 | 12 | 3 | 3 | 1 | 10 | 9 | 12 | 17 | 13 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 10 | 0 |
| June | 8.4 | SW. | 35 | NW. | 0 | 1 | 3 | 7 | 1 | 1 | 6 | 7 | 4 | 0 | 12 | 10 | 8 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| July | 5.1 | SW. | 34 | N. | 0 | 5 | 3 | 5 | 1 | 1 | 12 | 0 | 3 | 1 | 25 | 5 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 5 | 0 |
| August | 7.0 | SW. | 35 | NW. | 0 | 3 | 3 | 0 | 3 | 5 | 13 | 2 | 2 | 0 | 16 | 10 | 5 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 15 | 0 | 9 | 0 |
| September | 8.3 | SW. | 28 | SW. | 0 | 3 | 0 | 4 | 3 | 2 | 14 | 3 | 1 | 0 | 18 | 7 | 5 | 7 | 6 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 2 | 0 |
| October | 8.7 | SW. | 30 | W. | 0 | 4 | 2 | 4 | 1 | 4 | 10 | 3 | 3 | 0 | 18 | 2 | 11 | 9 | 5 | 2 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| November | 10.7 | SW. | 33 | S. | 0 | 0 | 4 | 1 | 0 | 3 | 14 | 4 | 4 | 0 | 19 | 3 | 8 | 5 | 4 | 1 | 0 | 0 | 3 | 2 | 0 | 10 | 0 | 0 |
| December | 9.6 | SW. | 33 | NW. | 0 | 1 | 3 | 2 | 2 | 4 | 10 | 3 | 6 | 0 | 9 | 12 | 10 | 9 | 7 | 9 | 5 | 0 | 1 | 13 | 0 | 27 | 1 | 0 |
| Year | 9.1 | SW. | 42 | E. | 2 | 38 | 29 | 39 | 24 | 30 | 117 | 36 | 51 | 2 | 167 | 88 | 111 | 114 | 89 | 38 | 21 | 1 | 15 | 41 | 46 | 110 | 41 | 0 |

HARRISBURG, PA.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.7 | NW. | 28 | SW. | 0 | 3 | 3 | 9 | 6 | 6 | 10 | 7 | 18 | 0 | 5 | 10 | 16 | 14 | 12 | 4 | 1 | 0 | 3 | 7 | 0 | 19 | 0 | 0 |
| February | 8.6 | NW. | 35 | NW. | 0 | 7 | 2 | 10 | 2 | 3 | 7 | 9 | 18 | 0 | 7 | 6 | 16 | 10 | 6 | 10 | 5 | 0 | 0 | 11 | 0 | 27 | 0 | 0 |
| March | 9.0 | NW. | 27 | E. | 0 | 5 | 7 | 11 | 4 | 4 | 6 | 2 | 23 | 0 | 9 | 9 | 13 | 13 | 12 | 8 | 7 | 0 | 0 | 6 | 0 | 23 | 0 | 0 |
| April | 8.0 | NW. | 40 | NW. | 1 | 2 | 9 | 13 | 1 | 4 | 3 | 11 | 17 | 0 | 5 | 11 | 14 | 12 | 6 | 2 | 2 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| May | 7.2 | NW. | 31 | NW. | 0 | 2 | 4 | 12 | 5 | 5 | 7 | 6 | 21 | 0 | 6 | 14 | 11 | 12 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 6 | 0 |
| June | 6.6 | E. | 33 | E. | 0 | 8 | 7 | 10 | 9 | 9 | 1 | 9 | 7 | 0 | 11 | 7 | 12 | 14 | 13 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 7 | 0 |
| July | 5.8 | SW. | 30 | W. | 0 | 5 | 2 | 18 | 7 | 5 | 11 | 8 | 6 | 0 | 6 | 12 | 13 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 | 0 |
| August | 5.0 | SW. | 27 | NW. | 0 | 5 | 4 | 12 | 3 | 12 | 8 | 10 | 8 | 0 | 11 | 15 | 5 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 6 | 0 |
| September | 5.6 | NW. | 40 | W. | 1 | 7 | 1 | 5 | 5 | 13 | 11 | 6 | 12 | 0 | 16 | 8 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | .0 | 0 | 0 | 4 | 0 |
| October | 5.3 | NW. | 28 | N. | 0 | 11 | 3 | 6 | 6 | 9 | 7 | 7 | 13 | 0 | 18 | 6 | 7 | 7 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| November | 5.9 | W. | 33 | W. | 0 | 3 | 5 | 10 | 2 | 6 | 7 | 14 | 13 | 0 | 12 | 5 | 13 | 6 | 4 | 1 | 0 | 0 | 1 | 1 | 0 | 12 | 0 | 0 |
| December | 7.4 | NW. | 38 | NW. | 0 | 3 | 2 | 13 | 4 | 0 | 6 | 17 | 17 | 0 | 9 | 12 | 10 | 13 | 9 | 12 | 6 | 0 | 0 | 10 | 0 | 24 | 0 | 0 |
| Year | 6.8 | NW. | 40 | NW. | 2 | 61 | 49 | 129 | 54 | 76 | 84 | 106 | 173 | 0 | 115 | 115 | 136 | 126 | 99 | 37 | 21 | 3 | 9 | 35 | 12 | 106 | 32 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

### HARTFORD, CONN.

[$\phi$=41° 46′ N.; $\lambda$=72° 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 | 30.023 | 30.470 | 29.360 | 28.8 | 32.6 | 39.9 | 23.6 | 31.8 | 67 | 5 | 22 | 24 | 74 | 68 | 0.135 | 0.147 | 1.16 | 0.50 | 6.2 | 4.7 | 6.0 |
| February | 29.817 | 30.400 | 28.770 | 20.3 | 25.1 | 31.0 | 15.8 | 23.4 | 53 | −8 | 14 | 17 | 76 | 69 | .097 | .102 | 5.72 | 3.04 | 6.9 | 5.4 | 6.6 |
| March | 29.734 | 30.100 | 29.010 | 25.7 | 30.9 | 36.8 | 21.9 | 29.4 | 64 | 4 | 18 | 20 | 72 | 64 | .104 | .116 | 2.77 | .73 | 5.7 | 4.0 | 5.5 |
| April | 29.744 | 30.110 | 29.170 | 42.5 | 46.2 | 53.9 | 37.9 | 45.9 | 73 | 31 | 33 | 34 | 71 | 66 | .193 | .203 | 2.93 | .98 | 6.5 | 6.8 | 7.0 |
| May | 29.732 | 30.114 | 29.110 | 55.1 | 59.5 | 68.0 | 49.7 | 58.8 | 84 | 41 | 46 | 46 | 73 | 64 | .324 | .324 | 3.14 | 1.02 | 7.2 | 5.6 | 6.6 |
| June | 29.774 | 29.960 | 29.460 | 61.0 | 64.2 | 71.8 | 55.1 | 63.4 | 83 | 47 | 54 | 56 | 79 | 77 | .425 | .458 | 3.86 | 1.23 | 6.3 | 6.3 | 6.7 |
| July | 29.823 | 30.176 | 29.360 | 70.7 | 73.5 | 82.2 | 65.0 | 73.6 | 94 | 54 | 66 | 67 | 85 | 81 | .643 | .667 | 3.52 | 1.17 | 7.5 | 7.3 | 7.6 |
| August | 29.810 | 30.100 | 29.380 | 67.6 | 71.5 | 82.4 | 61.7 | 72.0 | 94 | 48 | 61 | 62 | 81 | 75 | .558 | .577 | 3.44 | 2.38 | 4.5 | 4.6 | 5.2 |
| September | 29.880 | 30.350 | 29.530 | 59.8 | 62.8 | 73.9 | 52.9 | 63.4 | 89 | 42 | 54 | 55 | 81 | 78 | .434 | .458 | 3.46 | 1.61 | 4.4 | 3.4 | 4.3 |
| October | 29.955 | 30.360 | 29.390 | 48.4 | 55.2 | 64.7 | 42.8 | 53.8 | 83 | 33 | 41 | 44 | 76 | 68 | .274 | .313 | 1.08 | .89 | 4.1 | 3.7 | 4.7 |
| November | 29.933 | 30.360 | 28.980 | 37.7 | 42.0 | 49.7 | 32.9 | 41.3 | 65 | 20 | 30 | 31 | 75 | 65 | .179 | .186 | 2.83 | 1.09 | 5.2 | 3.7 | 5.3 |
| December | 29.755 | 30.300 | 28.740 | 28.3 | 31.1 | 36.5 | 25.6 | 31.0 | 57 | 12 | 20 | 22 | 72 | 66 | .115 | .124 | 2.99 | 1.03 | 5.0 | 5.0 | 5.5 |
| Year | 29.832 | 30.470 | 28.740 | 45.5 | 49.6 | 57.6 | 40.4 | 49.0 | 94 | −8 | 38 | 40 | 76 | 70 | .290 | .306 | 36.90 | 3.04 | 5.8 | 5.0 | 5.9 |

### HATTERAS, N. C

[$\phi$=35° 15′ N.; $\lambda$=75° 40′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.273 | 30.630 | 29.740 | 49.5 | 50.0 | 58.2 | 44.3 | 51.2 | 72 | 24 | 45 | 46 | 84 | 85 | 0.321 | 0.330 | 1.26 | 0.40 | 5.8 | 4.3 | 5.6 |
| February | 30.031 | 30.582 | 29.250 | 45.0 | 46.5 | 54.2 | 40.2 | 47.2 | 69 | 29 | 40 | 40 | 81 | 79 | .264 | .270 | 5.05 | 1.81 | 5.9 | 4.9 | 5.4 |
| March | 29.935 | 30.315 | 29.230 | 46.4 | 48.0 | 55.4 | 41.5 | 48.4 | 68 | 29 | 38 | 41 | 74 | 75 | .254 | .273 | 2.30 | 1.08 | 5.0 | 3.8 | 5.7 |
| April | 29.951 | 30.380 | 29.510 | 57.4 | 57.4 | 63.9 | 51.5 | 57.7 | 77 | 42 | 49 | 49 | 76 | 75 | .365 | .358 | 2.82 | .84 | 4.5 | 4.5 | 5.5 |
| May | 29.968 | 30.231 | 29.550 | 69.6 | 67.4 | 75.1 | 63.6 | 69.4 | 82 | 49 | 62 | 62 | 78 | 83 | .569 | .564 | 1.98 | 1.02 | 4.8 | 4.4 | 4.8 |
| June | 29.940 | 30.160 | 29.690 | 74.3 | 72.7 | 79.4 | 68.4 | 73.9 | 86 | 61 | 67 | 67 | 78 | 83 | .661 | .673 | 3.89 | .95 | 5.1 | 6.5 | 5.9 |
| July | 30.022 | 30.210 | 29.672 | 78.1 | 76.7 | 82.4 | 73.0 | 77.7 | 86 | 63 | 72 | 71 | 82 | 83 | .785 | .774 | 4.93 | 1.62 | 5.9 | 6.0 | 6.1 |
| August | 30.004 | 30.161 | 29.750 | 77.8 | 76.0 | 82.4 | 73.3 | 77.8 | 89 | 66 | 72 | 72 | 82 | 86 | .791 | .775 | 4.54 | 1.72 | 4.9 | 4.2 | 5.2 |
| September | 30.050 | 30.240 | 29.810 | 73.5 | 71.3 | 78.0 | 68.3 | 73.2 | 85 | 58 | 66 | 66 | 79 | 82 | .664 | .644 | 2.73 | 2.04 | 3.4 | 4.0 | 3.9 |
| October | 30.097 | 30.270 | 29.810 | 66.3 | 65.6 | 70.9 | 62.1 | 66.5 | 79 | 50 | 60 | 60 | 81 | 84 | .534 | .547 | 4.16 | 2.10 | 5.9 | 5.2 | 5.8 |
| November | 30.158 | 30.588 | 29.580 | 56.3 | 56.4 | 63.1 | 51.8 | 57.4 | 75 | 34 | 49 | 49 | 77 | 77 | .373 | .375 | 2.12 | .84 | 2.8 | 2.5 | 3.2 |
| December | 30.059 | 30.450 | 29.330 | 47.7 | 47.5 | 56.0 | 41.1 | 48.6 | 69 | 28 | 40 | 40 | 76 | 75 | .277 | .264 | 2.10 | .82 | 4.0 | 3.3 | 4.5 |
| Year | 30.041 | 30.630 | 29.230 | 61.8 | 61.3 | 68.2 | 56.6 | 62.4 | 89 | 24 | 55 | 55 | 79 | 81 | .488 | .487 | 37.88 | 2.10 | 4.8 | 4.5 | 5.1 |

### HAVRE, MONT.

[$\phi$=48° 34′ N.; $\lambda$=109° 40′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.416 | 27.950 | 26.750 | −13.8 | −11.2 | −3.6 | −23.0 | −13.3 | 30 | −57 | −16 | −14 | 87 | 87 | 0.025 | 0.024 | 1.75 | 0.48 | 4.7 | 5.0 | 6.1 |
| February | 27,479 | 27.940 | 26.917 | 10.8 | 18.9 | 22.8 | 5.7 | 14.2 | 49 | −28 | 8 | 14 | 86 | 82 | .083 | .105 | .47 | .18 | 3.8 | 6.2 | 5.8 |
| March | 27.269 | 27.840 | 26.720 | 26.8 | 40.9 | 44.7 | 23.4 | 34.0 | 65 | −17 | 23 | 30 | 86 | 67 | .139 | .174 | .59 | .20 | 6.6 | 6.0 | 5.6 |
| April | 27.346 | 27.769 | 26.910 | 33.2 | 53.7 | 57.3 | 30.3 | 43.8 | 84 | 17 | 29 | 30 | 83 | 43 | .159 | .170 | .69 | .55 | 3.7 | 5.0 | 4.5 |
| May | 27.237 | 27.628 | 26.560 | 40.4 | 58.0 | 61.5 | 37.3 | 49.4 | 85 | 27 | 36 | 36 | 84 | 49 | .216 | .225 | 3.00 | 1.19 | 6.0 | 6.0 | 6.0 |
| June | 27.285 | 27.500 | 27.010 | 51.8 | 65.8 | 69.2 | 49.4 | 59.3 | 84 | 40 | 47 | 50 | 86 | 59 | .334 | .365 | 4.03 | 1.03 | 5.5 | 5.7 | 5.8 |
| July | 27.295 | 27.650 | 26.880 | 58.6 | 78.1 | 81.1 | 55.5 | 68.3 | 92 | 46 | 54 | 58 | 85 | 52 | .426 | .490 | 5.90 | 1.90 | 3.5 | 3.6 | 3.8 |
| August | 27.342 | 27,690 | 26,910 | 51.9 | 75.9 | 79.1 | 50.7 | 64.9 | 90 | 36 | 48 | 49 | 88 | 42 | .342 | .359 | .34 | .15 | 2.6 | 2.5 | 2.8 |
| September | 27.312 | 27.900 | 26.840 | 45.0 | 64.1 | 68.7 | 42.2 | 55.4 | 86 | 26 | 41 | 44 | 86 | 52 | .263 | .299 | 1.42 | .70 | 4.3 | 4.0 | 4.5 |
| October | 27.387 | 27.861 | 26.950 | 33.9 | 44.8 | 51.4 | 28.4 | 39.9 | 74 | 4 | 29 | 33 | 84 | 67 | .165 | .193 | 1.01 | .80 | 5.0 | 4.4 | 6.0 |
| November | 27.374 | 27.990 | 26.730 | 27.5 | 34.9 | 42.4 | 20.6 | 31.5 | 70 | −21 | 22 | 26 | 81 | 71 | .126 | .148 | .46 | .44 | 2.7 | 4.5 | 5.4 |
| December | 27.258 | 27.780 | 26.640 | 6.1 | 9.4 | 17.2 | −3.3 | 7.0 | 53 | −33 | 4 | 6 | 88 | 85 | .069 | .070 | 1.05 | .28 | 5.2 | 5.5 | 6.0 |
| Year | 27.333 | 27.990 | 26.560 | 31.0 | 44.4 | 49.3 | 26.4 | 37.9 | 92 | −57 | 27 | 30 | 85 | 63 | .196 | .218 | 20.71 | 1.90 | 4.5 | 4.9 | 5.2 |

### HELENA, MONT.

[$\phi$=46° 34′ N.; $\lambda$=112° 4′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 25.700 | 26.250 | 25.090 | −3.3 | −0.5 | 7.9 | −10.3 | −1.2 | 53 | −32 | −9 | −7 | 77 | 72 | 0.035 | 0.039 | 1.26 | 0.33 | 5.4 | 5.7 | 6.5 |
| February | 25.868 | 26.220 | 25.360 | 19.8 | 27.1 | 33.6 | 14.7 | 24.2 | 53 | −9 | 15 | 18 | 81 | 70 | .094 | .109 | 1.06 | .35 | 4.0 | 5.8 | 5.8 |
| March | 25.726 | 26.200 | 25.100 | 31.6 | 43.7 | 48.8 | 28.4 | 38.6 | 66 | −7 | 21 | 23 | 65 | 45 | .117 | .128 | .48 | .15 | 4.8 | 7.9 | 6.8 |
| April | 25.800 | 26.074 | 25.450 | 35.0 | 51.2 | 55.0 | 33.4 | 44.2 | 76 | 25 | 25 | 28 | 67 | 42 | .135 | .150 | 1.65 | .77 | 5.4 | 4.7 | 5.5 |
| May | 25.715 | 25.990 | 25.120 | 38.9 | 52.9 | 57.7 | 36.5 | 47.1 | 82 | 29 | 29 | 31 | 69 | 48 | .163 | .177 | 2.93 | 1.17 | 4.6 | 5.7 | 5.6 |
| June | 25.779 | 25.970 | 25.500 | 48.8 | 63.7 | 67.9 | 46.4 | 57.2 | 89 | 35 | 39 | 41 | 70 | 47 | .244 | .265 | 3.60 | .87 | 3.9 | 5.6 | 4.7 |
| July | 25.800 | 26.060 | 25.470 | 56.4 | 75.8 | 81.1 | 53.3 | 67.2 | 93 | 44 | 47 | 46 | 70 | 38 | .325 | .319 | 1.89 | .82 | 2.3 | 3.4 | 3.4 |
| August | 25.826 | 26.090 | 25.460 | 52.4 | 74.8 | 79.2 | 50.9 | 65.0 | 91 | 39 | 42 | 42 | 68 | 34 | .266 | .276 | 1.19 | .69 | 2.5 | 2.8 | 3.3 |
| September | 25,816 | 26.300 | 25,490 | 45.1 | 62.3 | 67.8 | 42.7 | 55.2 | 92 | 28 | 36 | 40 | 70 | 47 | .214 | .257 | 1.69 | .86 | 4.0 | 3.1 | 4.9 |
| October | 25.857 | 26.220 | 25.450 | 35.2 | 43.4 | 51.3 | 31.0 | 41.2 | 73 | 15 | 27 | 30 | 72 | 61 | .145 | .169 | 2.06 | .76 | 3.2 | 4.6 | 5.4 |
| November | 25.878 | 26.270 | 25.283 | 24.3 | 31.0 | 38.2 | 19.8 | 29.0 | 67 | −12 | 16 | 15 | 70 | 51 | .098 | .093 | .32 | .27 | 3.0 | 4.6 | 5.2 |
| December | 25.659 | 26.030 | 25.220 | 14.3 | 19.1 | 24.2 | 9.7 | 17.0 | 51 | −20 | 8 | 10 | 78 | 67 | .070 | .073 | 1.03 | .26 | 4.9 | 5.7 | 6.0 |
| Year | 25.785 | 26.300 | 25.090 | 33.2 | 45.4 | 51.1 | 29.7 | 40.4 | 93 | −32 | 25 | 26 | 71 | 52 | .159 | .171 | 18.96 | 1.17 | 4.0 | 5.0 | 5.3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

### HARTFORD, CONN.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.9 | S. | 37 | NW. | 0 | 11 | 4 | 0 | 0 | 18 | 16 | 1 | 12 | 0 | 12 | 5 | 14 | 9 | 5 | 5 | 2 | 0 | 0 | 10 | 0 | 24 | 0 | 0 |
| February | 8.5 | NW. | 36 | SW. | 0 | 14 | 5 | 1 | 1 | 8 | 11 | 3 | 15 | 0 | 9 | 3 | 17 | 15 | 11 | 17 | 9 | 0 | 0 | 15 | 0 | 27 | 0 | 0 |
| March | 8.4 | NW. | 29 | NW. | 0 | 13 | 10 | 0 | 0 | 7 | 7 | 5 | 20 | 0 | 11 | 7 | 13 | 13 | 11 | 15 | 13 | 0 | 0 | 15 | 0 | 25 | 1 | 1 |
| April | 8.5 | NW. | 33 | NW. | 0 | 7 | 12 | 3 | 2 | 11 | 6 | 1 | 18 | 0 | 6 | 7 | 17 | 13 | 12 | 4 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| May | 8.1 | S. | 31 | NW. | 0 | 9 | 5 | 2 | 3 | 20 | 4 | 7 | 12 | 0 | 6 | 12 | 13 | 13 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 1 |
| June | 6.8 | NW. | 38 | NW. | 0 | 7 | 13 | 1 | 3 | 16 | 3 | 1 | 16 | 0 | 7 | 9 | 14 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| July | 6.9 | S. | 31 | NW. | 0 | 5 | 4 | 2 | 6 | 31 | 9 | 1 | 4 | 0 | 4 | 10 | 17 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 1 |
| August | 6.7 | S. | 32 | NW. | 0 | 5 | 9 | 0 | 3 | 26 | 8 | 1 | 10 | 0 | 11 | 11 | 9 | 7 | 4 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 7 | 0 |
| September | 7.5 | S. | 27 | S. | 0 | 6 | 2 | 1 | 3 | 24 | 10 | 2 | 12 | 0 | 15 | 9 | 6 | 8 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 2 |
| October | 7.2 | S. | 37 | NW. | 0 | 13 | 4 | 2 | 1 | 20 | 8 | 2 | 12 | 0 | 13 | 9 | 9 | 5 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| November | 7.9 | S. | 38 | S. | 0 | 8 | 5 | 0 | 0 | 18 | 10 | 3 | 16 | 0 | 9 | 12 | 9 | 11 | 6 | 6 | 2 | 0 | 1 | 1 | 0 | 14 | 0 | 0 |
| December | 8.3 | NW. | 48 | NW. | 2 | 14 | 1 | 1 | 1 | 8 | 14 | 5 | 18 | 0 | 8 | 13 | 10 | 9 | 8 | 6 | 2 | 0 | 0 | 11 | 0 | 23 | 0 | 0 |
| Year | 7.8 | S. | 48 | NW. | 2 | 112 | 74 | 13 | 23 | 207 | 106 | 32 | 165 | 0 | 111 | 107 | 148 | 131 | 99 | 53 | 30 | 1 | 7 | 52 | 8 | 115 | 27 | 5 |

### HATTERAS, N. C.

[$H_b$=11 ft.; $h_t$=12 ft.; $h_r$=37 ft.; $h_a$=50 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.4 | SW. | 42 | NE. | 2 | 10 | 14 | 4 | 2 | 6 | 19 | 2 | 5 | 0 | 8 | 14 | 9 | 12 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 |
| February | 18.1 | SW. | 54 | N. | 6 | 9 | 12 | 6 | 0 | 5 | 13 | 4 | 9 | 0 | 13 | 7 | 9 | 13 | 11 | 2 | 1 | 0 | 1 | 0 | 0 | 3 | 3 | 0 |
| March | 19.5 | SW. | 57 | NW. | 7 | 13 | 8 | 5 | 4 | 0 | 17 | 5 | 10 | 0 | 7 | 16 | 8 | 10 | 7 | 2 | 0 | 0 | 2 | 0 | 0 | 5 | 3 | 0 |
| April | 16.3 | SW. | 46 | N. | 3 | 8 | 9 | 5 | 0 | 5 | 13 | 11 | 9 | 0 | 8 | 16 | 6 | 9 | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 |
| May | 13.7 | SW. | 38 | NW. | 0 | 4 | 6 | 3 | 11 | 9 | 20 | 4 | 4 | 1 | 10 | 14 | 7 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 12.1 | SW. | 64 | NW. | 1 | 6 | 5 | 7 | 4 | 10 | 20 | 6 | 2 | 0 | 6 | 18 | 6 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| July | 13.9 | S. | 50 | N. | 3 | 3 | 8 | 6 | 7 | 19 | 15 | 2 | 2 | 0 | 5 | 18 | 8 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| August | 12.8 | SW. | 47 | NW. | 2 | 7 | 12 | 3 | 4 | 9 | 18 | 6 | 2 | 1 | 11 | 11 | 9 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| September | 13.2 | NE. | 44 | N. | 1 | 8 | 23 | 6 | 0 | 7 | 6 | 4 | 4 | 2 | 14 | 12 | 4 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| October | 16.6 | NE. | 48 | N. | 1 | 8 | 36 | 4 | 0 | 4 | 7 | 2 | 1 | 0 | 9 | 9 | 13 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 13.6 | NE. | 43 | N. | 2 | 15 | 20 | 1 | 1 | 4 | 7 | 9 | 3 | 0 | 17 | 9 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December | 15.6 | W. | 53 | NW. | 6 | 9 | 12 | 3 | 3 | 3 | 10 | 12 | 10 | 0 | 14 | 9 | 8 | 8 | 8 | 0 | 0 | 1 | 2 | 0 | 0 | 5 | 2 | 0 |
| Year | 15.1 | SW. | 64 | NW. | 34 | 100 | 165 | 53 | 36 | 81 | 165 | 67 | 61 | 4 | 122 | 153 | 91 | 124 | 95 | 5 | 1 | 1 | 8 | 0 | 0 | 16 | 55 | 0 |

### HAVRE, MONT.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.6 | W. | 36 | SW. | 0 | 1 | 7 | 8 | 0 | 0 | 15 | 17 | 13 | 1 | 12 | 4 | 15 | 10 | 7 | 17 | 10 | 0 | 4 | 31 | 0 | 31 | 0 | 0 |
| February | 8.1 | W. | 36 | SW. | 0 | 3 | 8 | 10 | 1 | 0 | 10 | 15 | 10 | 1 | 7 | 13 | 9 | 7 | 4 | 11 | 7 | 0 | 1 | 16 | 0 | 27 | 0 | 0 |
| March | 8.7 | SW. | 42 | W. | 1 | 2 | 15 | 8 | 1 | 1 | 16 | 9 | 10 | 0 | 7 | 14 | 10 | 8 | 5 | 6 | 3 | 0 | 0 | 5 | 0 | 23 | 1 | 0 |
| April | 9.0 | SW. | 42 | W. | 1 | 5 | 7 | 10 | 2 | 0 | 17 | 8 | 11 | 0 | 12 | 15 | 3 | 6 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 20 | 2 | 0 |
| May | 9.9 | SW. | 48 | NW. | 2 | 2 | 6 | 6 | 4 | 0 | 14 | 12 | 16 | 2 | 5 | 17 | 9 | 16 | 10 | 4 | 1 | 0 | 0 | 0 | 0 | 6 | 4 | 2 |
| June | 8.7 | NW. | 30 | W. | 0 | 5 | 4 | 12 | 3 | 2 | 8 | 12 | 14 | 0 | 8 | 12 | 10 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 7.7 | SW. | 43 | SW. | 3 | 0 | 7 | 13 | 4 | 1 | 15 | 13 | 9 | 0 | 19 | 7 | 5 | 9 | 9 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 9 | 0 |
| August | 5.6 | SW. | 36 | SW. | 0 | 6 | 2 | 14 | 1 | 2 | 15 | 12 | 9 | 1 | 23 | 6 | 2 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 1 |
| September | 7.6 | SW. | 36 | SW. | 0 | 5 | 3 | 7 | 0 | 0 | 14 | 13 | 17 | 1 | 16 | 6 | 8 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 |
| October | 7.8 | SW. | 36 | SW. | 0 | 9 | 3 | 6 | 0 | 2 | 18 | 17 | 6 | 1 | 9 | 8 | 14 | 5 | 3 | 7 | 4 | 0 | 1 | 0 | 0 | 21 | 0 | 0 |
| November | 10.2 | SW. | 36 | SW. | 0 | 1 | 2 | 1 | 1 | 0 | 27 | 13 | 13 | 2 | 13 | 8 | 9 | 3 | 2 | 5 | 3 | 0 | 0 | 5 | 0 | 30 | 0 | 0 |
| December | 8.5 | SW. | 34 | W. | 0 | 3 | 10 | 7 | 0 | 0 | 23 | 7 | 10 | 2 | 8 | 9 | 14 | 10 | 8 | 18 | 10 | 0 | 0 | 25 | 0 | 31 | 0 | 0 |
| Year | 8.3 | SW. | 48 | NW. | 7 | 42 | 74 | 102 | 17 | 8 | 192 | 148 | 138 | 11 | 139 | 119 | 108 | 109 | 74 | 70 | 39 | 1 | 7 | 82 | 3 | 192 | 32 | 3 |

### HELENA, MONT.

[$H_b$=4,110 ft.; $h_t$=87 ft.; $h_r$=80 ft.; $h_a$=112 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.1 | SW. | 39 | SW. | 0 | 6 | 1 | 0 | 0 | 1 | 25 | 18 | 11 | 0 | 4 | 16 | 11 | 14 | 10 | 14 | 14 | 0 | 0 | 25 | 0 | 30 | 0 | 0 |
| February | 6.3 | SW. | 36 | W. | 0 | 4 | 0 | 1 | 0 | 1 | 23 | 11 | 18 | 0 | 8 | 11 | 10 | 10 | 6 | 15 | 10 | 0 | 2 | 8 | 0 | 26 | 0 | 0 |
| March | 10.0 | SW. | 46 | SW. | 3 | 4 | 0 | 2 | 0 | 1 | 36 | 15 | 4 | 0 | 3 | 13 | 15 | 9 | 5 | 10 | 8 | 0 | 0 | 2 | 0 | 16 | 1 | 0 |
| April | 9.9 | SW. | 39 | SW. | 0 | 5 | 2 | 3 | 0 | 2 | 29 | 17 | 2 | 0 | 7 | 15 | 8 | 9 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 12 | 2 | 0 |
| May | 9.9 | SW. | 50 | SW. | 1 | 10 | 2 | 1 | 0 | 1 | 28 | 15 | 5 | 0 | 7 | 15 | 9 | 15 | 10 | 11 | 7 | 1 | 0 | 0 | 0 | 8 | 4 | 0 |
| June | 9.2 | SW. | 35 | SW. | 0 | 3 | 4 | 0 | 2 | 1 | 30 | 12 | 8 | 0 | 12 | 11 | 7 | 13 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 |
| July | 8.6 | SW. | 54 | SW. | 4 | 3 | 7 | 2 | 1 | 1 | 36 | 8 | 4 | 0 | 17 | 13 | 1 | 13 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 14 | 0 |
| August | 8.1 | SW. | 31 | N. | 0 | 6 | 4 | 5 | 0 | 2 | 32 | 9 | 4 | 0 | 17 | 12 | 2 | 10 | 6 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 9 | 1 |
| September | 8.9 | SW. | 45 | SW. | 1 | 4 | 4 | 0 | 0 | 1 | 30 | 13 | 8 | 0 | 10 | 10 | 10 | 8 | 5 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 4 | 0 |
| October | 8.0 | SW. | 38 | SW. | 0 | 2 | 0 | 0 | 0 | 4 | 35 | 12 | 9 | 0 | 10 | 10 | 11 | 7 | 5 | 8 | 7 | 0 | 0 | 0 | 0 | 18 | 0 | 0 |
| November | 7.5 | SW. | 36 | SW. | 0 | 5 | 2 | 0 | 1 | 3 | 37 | 7 | 5 | 0 | 11 | 10 | 9 | 5 | 2 | 11 | 5 | 0 | 0 | 8 | 0 | 27 | 0 | 0 |
| December | 7.3 | SW. | 38 | W. | 0 | 6 | 1 | 0 | 0 | 1 | 21 | 18 | 15 | 0 | 6 | 13 | 12 | 12 | 10 | 17 | 12 | 1 | 0 | 19 | 0 | 28 | 1 | 0 |
| Year | 8.3 | SW. | 54 | SW. | 9 | 58 | 27 | 14 | 4 | 19 | 362 | 155 | 93 | 0 | 112 | 149 | 105 | 125 | 84 | 95 | 69 | 7 | 2 | 62 | 5 | 167 | 44 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

HONOLULU, HAWAII.

[$\phi$=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 | 29.862 | 30.010 | 29.600 | 71.0 | 70.9 | 75.6 | 66.3 | 71.0 | 81 | 60 | 64 | 64 | 78 | 79 | 0.592 | 0.597 | 18.36 | 4.48 | 6.9 | 6.1 | 6.8 |
| February | 29.961 | 30.100 | 29.790 | 72.1 | 72.2 | 77.4 | 67.9 | 72.6 | 81 | 63 | 62 | 63 | 72 | 74 | .568 | .582 | 3.22 | 1.34 | 4.3 | 3.7 | 5.0 |
| March | 29.990 | 30.150 | 29.640 | 73.1 | 72.7 | 77.7 | 68.6 | 73.2 | 82 | 64 | 60 | 62 | 65 | 69 | .530 | .555 | 6.79 | 3.31 | 5.4 | 4.5 | 4.7 |
| April | 30.036 | 30.172 | 29.730 | 74.5 | 73.3 | 78.7 | 69.8 | 74.2 | 81 | 63 | 61 | 62 | 63 | 68 | .538 | .555 | 1.84 | 1.27 | 4.6 | 5.2 | 4.8 |
| May | 30.032 | 30.160 | 29.880 | 75.4 | 74.0 | 79.9 | 70.5 | 75.2 | 83 | 66 | 63 | 64 | 67 | 71 | .583 | .592 | 1.93 | .58 | 4.7 | 3.7 | 4.9 |
| June | 30.008 | 30.110 | 29.860 | 75.9 | 75.0 | 80.3 | 71.0 | 75.6 | 82 | 67 | 63 | 65 | 65 | 72 | .582 | .620 | 1.35 | .28 | 5.5 | 5.1 | 5.3 |
| July | 30.016 | 30.110 | 29.900 | 76.9 | 75.8 | 81.8 | 71.9 | 76.8 | 83 | 67 | 65 | 65 | 67 | 69 | .614 | .614 | 1.72 | .55 | 4.3 | 3.6 | 3.9 |
| August | 30.026 | 30.120 | 29.910 | 76.6 | 75.6 | 81.6 | 71.7 | 76.6 | 84 | 69 | 64 | 64 | 66 | 69 | .602 | .604 | 1.09 | .23 | 4.4 | 3.5 | 4.3 |
| September | 29.988 | 30.060 | 29.860 | 77.6 | 76.3 | 82.1 | 72.5 | 77.3 | 84 | 70 | 64 | 64 | 64 | 67 | .606 | .601 | .60 | .20 | 4.8 | 2.7 | 4.7 |
| October | 29.966 | 30.030 | 29.810 | 77.2 | 75.5 | 81.2 | 72.1 | 76.6 | 84 | 68 | 65 | 65 | 67 | 70 | .625 | .623 | 1.21 | .48 | 5.1 | 4.2 | 5.1 |
| November | 30.023 | 30.110 | 29.880 | 75.4 | 74.3 | 79.6 | 70.3 | 75.0 | 83 | 64 | 64 | 64 | 67 | 70 | .586 | .589 | 1.31 | .31 | 5.7 | 4.7 | 5.7 |
| December | 29.968 | 30.070 | 29.690 | 72.3 | 71.9 | 76.8 | 67.9 | 72.4 | 80 | 64 | 62 | 62 | 71 | 72 | .559 | .558 | 5.54 | 1.40 | 5.9 | 5.7 | 6.1 |
| Year | 29.990 | 30.172 | 29.600 | 74.8 | 74.0 | 79.4 | 70.0 | 74.7 | 84 | 60 | 63 | 64 | 68 | 71 | .582 | .591 | 44.96 | 4.48 | 5.1 | 4.4 | 5.1 |

HOUGHTON, MICH.

[$\phi$=47° 7′ N.; $\lambda$=88° 34′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.275 | 29.850 | 28.567 | 13.9 | ..... | 23.0 | 8.2 | 15.6 | 43 | −10 | 11 | .... | 87 | .... | 0.075 | ..... | 5.14 | 0.97 | 9.5 | ..... | 9.3 |
| February | 29.365 | 29.980 | 29.951 | 7.8 | ..... | 18.2 | 3.2 | 10.7 | 42 | −11 | 4 | .... | 82 | .... | .052 | ..... | 1.07 | .21 | 8.7 | ..... | 8.0 |
| March | 29.288 | 29.760 | 28.540 | 12.8 | ..... | 26.3 | 9.0 | 17.6 | 46 | −18 | 9 | .... | 82 | .... | .074 | ..... | 2.56 | .57 | 6.1 | ..... | 5.6 |
| April | 29.202 | 29.574 | 28.670 | 33.6 | ..... | 44.0 | 29.7 | 36.8 | 75 | 11 | 30 | .... | 86 | .... | .171 | ..... | 4.49 | 1.68 | 6.9 | ..... | 6.4 |
| May | 29.094 | 29.610 | 28.430 | 45.7 | ..... | 58.4 | 40.1 | 49.2 | 74 | 30 | 40 | .... | 81 | .... | .252 | ..... | 3.53 | 2.06 | 5.8 | ..... | 6.2 |
| June | 29.127 | 29.600 | 28.790 | 51.6 | ..... | 63.4 | 46.4 | 54.9 | 75 | 40 | 46 | .... | 82 | .... | .316 | ..... | 5.34 | 1.84 | 6.3 | ..... | 7.3 |
| July | 29.279 | 29.620 | 29.030 | 67.6 | ..... | 81.8 | 60.3 | 71.0 | 100 | 48 | 59 | .... | 76 | .... | .518 | ..... | 1.05 | .73 | 3.7 | ..... | 3.8 |
| August | 29.236 | 29.640 | 29.000 | 62.8 | ..... | 75.4 | 57.2 | 66.3 | 96 | 45 | 58 | .... | 83 | .... | .486 | ..... | 2.94 | 1.12 | 4.2 | ..... | 4.7 |
| September | 29.200 | 29.600 | 28.650 | 51.6 | ..... | 61.3 | 47.7 | 54.5 | 77 | 37 | 48 | .... | 87 | .... | .347 | ..... | 6.17 | 3.07 | 6.7 | ..... | 7.1 |
| October | 29.245 | 29.670 | 28.465 | 41.9 | ..... | 51.5 | 37.6 | 44.6 | 83 | 26 | 36 | .... | 82 | .... | .213 | ..... | 2.82 | .81 | 8.1 | ..... | 7.6 |
| November | 29.260 | 29.830 | 28.590 | 29.3 | ..... | 36.6 | 25.5 | 31.0 | 64 | 10 | 24 | .... | 81 | .... | .137 | ..... | 1.17 | .36 | 7.8 | ..... | 8.5 |
| December | 29.152 | 29.680 | 28.710 | 15.4 | ..... | 23.6 | 9.6 | 16.6 | 46 | −16 | 10 | .... | 78 | .... | .078 | ..... | 2.29 | .44 | 8.0 | ..... | 7.2 |
| Year | 29.227 | 29.980 | 28.430 | 36.2 | ..... | 47.0 | 31.2 | 39.1 | 100 | −18 | 31 | .... | 82 | .... | .226 | ..... | 38.57 | 3.07 | 6.8 | ..... | 6.8 |

HOUSTON, TEX.

[$\phi$=29° 47′ N.; $\lambda$=95° 24′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.968 | 30.330 | 29.560 | 55.5 | ..... | 67.7 | 50.6 | 59.2 | 78 | 21 | 52 | .... | 88 | .... | 0.439 | ..... | 2.81 | 1.02 | 7.3 | ..... | 7.4 |
| February | 30.031 | 30.490 | 29.500 | 49.7 | ..... | 68.0 | 48.1 | 58.0 | 80 | 26 | 44 | .... | 82 | .... | .322 | ..... | .03 | .02 | 4.2 | ..... | 4.5 |
| March | 29.887 | 30.330 | 29.450 | 57.5 | ..... | 77.3 | 56.0 | 66.6 | 89 | 42 | 52 | .... | 83 | .... | .418 | ..... | T. | T. | 3.7 | ..... | 4.1 |
| April | 29.850 | 30.311 | 29.420 | 61.0 | ..... | 76.6 | 57.8 | 67.2 | 88 | 39 | 56 | .... | 84 | .... | .467 | ..... | 2.25 | 1.02 | 6.0 | ..... | 5.4 |
| May | 29.770 | 29.990 | 29.490 | 69.5 | ..... | 84.6 | 66.3 | 75.4 | 93 | 57 | 66 | .... | 90 | .... | .657 | ..... | 4.40 | 2.04 | 5.4 | ..... | 5.8 |
| June | 29.760 | 29.930 | 29.480 | 75.9 | ..... | 90.9 | 72.3 | 81.6 | 97 | 64 | 72 | .... | 88 | .... | .795 | ..... | 1.80 | .63 | 3.6 | ..... | 5.5 |
| July | 29.778 | 29.990 | 29.590 | 77.1 | ..... | 91.4 | 74.2 | 82.8 | 98 | 71 | 74 | .... | 89 | .... | .828 | ..... | 8.41 | 2.85 | 4.9 | ..... | 7.1 |
| August | 29.847 | 30.090 | 29.710 | 75.9 | ..... | 90.1 | 74.0 | 82.0 | 95 | 68 | 72 | .... | 88 | .... | .790 | ..... | 6.66 | 1.30 | 4.0 | ..... | 5.8 |
| September | 29.859 | 30.120 | 29.650 | 70.8 | ..... | 87.5 | 69.7 | 78.6 | 94 | 51 | 65 | .... | 84 | .... | .651 | ..... | 2.45 | 1.30 | 2.9 | ..... | 3.3 |
| October | 29.901 | 30.140 | 29.550 | 61.5 | ..... | 81.8 | 60.2 | 71.0 | 90 | 40 | 56 | .... | 83 | .... | .479 | ..... | 1.05 | .90 | 1.7 | ..... | 2.0 |
| November | 30.021 | 30.413 | 29.690 | 52.2 | ..... | 72.1 | 49.6 | 66.8 | 83 | 28 | 47 | .... | 84 | .... | .362 | ..... | 2.31 | 1.38 | 2.8 | ..... | 3.0 |
| December | 29.883 | 30.300 | 29.430 | 49.9 | ..... | 67.1 | 46.6 | 56.8 | 82 | 23 | 45 | .... | 82 | .... | .346 | ..... | 3.68 | 2.09 | 4.8 | ..... | 5.0 |
| Year | 29.880 | 30.490 | 29.420 | 63.0 | ..... | 79.6 | 60.4 | 70.0 | 98 | 21 | 58 | .... | 85 | .... | .546 | ..... | 35.85 | 2.85 | 4.3 | ..... | 4.9 |

HURON, S. DAK.

[$\phi$=44° 21′ N.; $\lambda$=98° 14′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.721 | 29.240 | 27.930 | 0.0 | 4.5 | 13.5 | −8.7 | 2.4 | 38 | −40 | −2 | 2 | 89 | 87 | 0.047 | 0.054 | 2.00 | 0.95 | 5.2 | 3.8 | 5.1 |
| February | 28.806 | 29.310 | 28.380 | 9.8 | 16.8 | 22.1 | 5.3 | 13.7 | 46 | −22 | 7 | 13 | 87 | 83 | .072 | .090 | .55 | .27 | 5.2 | 4.5 | 5.1 |
| March | 28.578 | 29.094 | 27.880 | 25.3 | 35.3 | 41.5 | 21.7 | 31.6 | 69 | −15 | 22 | 26 | 86 | 70 | .129 | .151 | .89 | .44 | 7.0 | 6.0 | 6.7 |
| April | 28.615 | 29.080 | 28.040 | 35.9 | 48.3 | 53.9 | 32.8 | 43.4 | 73 | 14 | 32 | 33 | 84 | 58 | .185 | .195 | 1.16 | .39 | 7.1 | 6.1 | 6.7 |
| May | 28.445 | 28.821 | 27.890 | 48.7 | 63.0 | 67.9 | 44.1 | 56.0 | 94 | 23 | 41 | 44 | 77 | 56 | .273 | .313 | 3.83 | 1.46 | 4.9 | 5.2 | 4.8 |
| June | 28.522 | 28.790 | 28.240 | 56.4 | 68.0 | 72.6 | 51.7 | 62.2 | 88 | 45 | 52 | 56 | 84 | 67 | .390 | .462 | 3.51 | 1.47 | 4.4 | 5.3 | 5.5 |
| July | 28.562 | 28.950 | 28.270 | 70.7 | 84.4 | 89.2 | 66.9 | 78.0 | 99 | 57 | 65 | 69 | 82 | 61 | .614 | .714 | 1.56 | .59 | 4.3 | 2.9 | 3.8 |
| August | 28.591 | 28.970 | 28.110 | 61.3 | 75.9 | 81.2 | 58.5 | 69.8 | 97 | 42 | 58 | 62 | 88 | 65 | .490 | .571 | 5.70 | 2.63 | 4.6 | 4.1 | 4.7 |
| September | 28.574 | 28.970 | 28.200 | 49.7 | 63.5 | 72.2 | 46.2 | 59.2 | 89 | 28 | 45 | 50 | 84 | 63 | .318 | .380 | 1.78 | .74 | 4.1 | 3.7 | 4.5 |
| October | 28.647 | 29.210 | 28.110 | 35.3 | 47.2 | 57.8 | 32.1 | 45.0 | 82 | 14 | 31 | 34 | 84 | 63 | .175 | .204 | .49 | .26 | 4.1 | 3.3 | 5.2 |
| November | 28.680 | 29.240 | 27.900 | 24.3 | 35.5 | 45.6 | 20.4 | 33.0 | 70 | −2 | 19 | 22 | 80 | 59 | .107 | .126 | .05 | .02 | 3.7 | 3.2 | 4.3 |
| December | 28.566 | 29.140 | 27.880 | 6.0 | 12.1 | 22.9 | −1.0 | 11.0 | 61 | −26 | 1 | 4 | 77 | 70 | .060 | .062 | 1.14 | .53 | 5.0 | 4.0 | 5.9 |
| Year | 28.609 | 29.310 | 27.880 | 35.3 | 46.2 | 53.4 | 30.8 | 42.1 | 99 | −40 | 31 | 35 | 84 | 67 | .238 | .277 | 22.66 | 2.63 | 5.0 | 4.3 | 5.2 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

HONOLULU, HAWAII.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.9 | NE. | 51 | SW. | 3 | 5 | 16 | 10 | 7 | 4 | 8 | 5 | 5 | 2 | 7 | 9 | 15 | 19 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| February | 7.2 | NE. | 30 | NE. | 0 | 7 | 17 | 21 | 5 | 0 | 2 | 3 | 1 | 2 | 10 | 13 | 6 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| March | 10.0 | NE. | 42 | NE. | 2 | 4 | 32 | 15 | 3 | 1 | 3 | 1 | 1 | 2 | 14 | 8 | 9 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 8.9 | NE. | 29 | W. | 0 | 2 | 28 | 22 | 1 | 1 | 1 | 3 | 2 | 0 | 11 | 12 | 7 | 12 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 9.8 | NE. | 33 | NE. | 0 | 0 | 30 | 29 | 2 | 0 | 0 | 0 | 1 | 0 | 8 | 18 | 5 | 19 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| June | 9.6 | NE. | 28 | NE. | 0 | 0 | 34 | 22 | 3 | 0 | 0 | 0 | 0 | 1 | 7 | 17 | 6 | 18 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| July | 8.2 | NE. | 26 | NE. | 0 | 0 | 27 | 32 | 0 | 0 | 0 | 1 | 0 | 2 | 15 | 13 | 3 | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August | 8.2 | NE. | 27 | NE. | 0 | 0 | 36 | 19 | 3 | 0 | 3 | 0 | 0 | 1 | 10 | 20 | 1 | 17 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| September | 7.6 | NE. | 23 | NE. | 0 | 0 | 38 | 18 | 1 | 1 | 0 | 0 | 0 | 2 | 9 | 17 | 4 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| October | 7.3 | NE. | 25 | SW. | 0 | 1 | 35 | 14 | 3 | 3 | 3 | 1 | 1 | 1 | 10 | 14 | 7 | 20 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 8.7 | NE. | 29 | NE. | 0 | 0 | 41 | 14 | 2 | 0 | 0 | 0 | 0 | 3 | 7 | 13 | 10 | 17 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December | 9.2 | NE. | 34 | NE. | 0 | 2 | 31 | 20 | 1 | 0 | 2 | 0 | 0 | 6 | 7 | 13 | 11 | 20 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Year | 8.6 | NE. | 51 | SW. | 5 | 21 | 365 | 236 | 31 | 10 | 22 | 14 | 11 | 22 | 115 | 167 | 84 | 192 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |

HOUGHTON, MICH.

[$H_b$=668 ft.; $h_t$=62 ft.; $h_r$=57 ft.; $h_a$=99 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.1 | W. | 44 | W. | 2 | 0 | 1 | 9 | 6 | 2 | 1 | 6 | 6 | 0 | 0 | 4 | 27 | 26 | 22 | 29 | 26 | 0 | 0 | 25 | 0 | 31 | 0 | 0 |
| February | 9.0 | W. | 32 | N. | 0 | 3 | 5 | 3 | 3 | 0 | 1 | 6 | 5 | 3 | 3 | 8 | 18 | 17 | 11 | 21 | 17 | 0 | 2 | 22 | 0 | 29 | 0 | 0 |
| March | 8.6 | W. | 34 | E. | 0 | 2 | 3 | 8 | 4 | 0 | 0 | 9 | 1 | 4 | 12 | 8 | 11 | 11 | 10 | 13 | 9 | 0 | 3 | 21 | 0 | 29 | 1 | 1 |
| April | 9.6 | W. | 34 | SE. | 0 | 1 | 3 | 5 | 8 | 0 | 3 | 4 | 5 | 1 | 7 | 10 | 13 | 17 | 13 | 10 | 6 | 1 | 1 | 2 | 0 | 16 | 2 | 1 |
| May | 12.4 | E. | 60 | W. | 6 | 1 | 4 | 10 | 1 | 0 | 5 | 8 | 1 | 1 | 6 | 13 | 12 | 11 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 0 |
| June | 9.7 | E. | 40 | NE. | 1 | 0 | 1 | 13 | 1 | 0 | 2 | 12 | 1 | 0 | 4 | 9 | 17 | 16 | 12 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 3 | 0 |
| July | 8.4 | E. | 27 | SW. | 0 | 0 | 2 | 17 | 0 | 0 | 1 | 10 | 1 | 0 | 17 | 9 | 5 | 7 | 5 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 4 | 1 |
| August | 9.1 | W. | 40 | S. | 1 | 0 | 1 | 13 | 0 | 0 | 0 | 15 | 2 | 0 | 11 | 15 | 5 | 9 | 9 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 3 |
| September | 9.4 | E. | 35 | NW. | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 6 | 6 | 2 | 6 | 6 | 18 | 18 | 14 | 3 | 1 | 1 | 3 | 0 | 0 | 0 | 7 | 2 |
| October | 10.4 | E. | 42 | NW. | 1 | 0 | 4 | 10 | 1 | 3 | 2 | 8 | 3 | 0 | 6 | 4 | 21 | 16 | 11 | 8 | 7 | 0 | 0 | 0 | 0 | 9 | 3 | 0 |
| November | 10.1 | W. | 38 | W. | 0 | 2 | 3 | 7 | 0 | 1 | 2 | 8 | 7 | 0 | 3 | 3 | 24 | 11 | 8 | 17 | 10 | 0 | 0 | 10 | 0 | 25 | 0 | 0 |
| December | 10.3 | E. | 39 | E. | 0 | 1 | 4 | 7 | 1 | 0 | 2 | 10 | 5 | 1 | 6 | 7 | 18 | 19 | 15 | 22 | 17 | 0 | 1 | 20 | 0 | 29 | 0 | 0 |
| Year | 9.8 | E. | 60 | W. | 11 | 11 | 31 | 112 | 25 | 6 | 24 | 102 | 43 | 12 | 81 | 96 | 189 | 178 | 137 | 125 | 93 | 4 | 17 | 100 | 8 | 169 | 28 | 8 |

HOUSTON, TEX.

[$H_b$=138 ft.; $h_t$=111 ft.; $h_r$=104 ft.; $h_a$=121 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.7 | SE. | 38 | S. | 0 | 2 | 4 | 6 | 9 | 4 | 0 | 2 | 3 | 1 | 5 | 7 | 19 | 11 | 8 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 1 | 0 |
| February | 8.5 | SE. | 25 | SE. | 0 | 6 | 5 | 4 | 5 | 4 | 1 | 3 | 1 | 0 | 11 | 12 | 6 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 2 | 0 |
| March | 10.3 | S. | 31 | SE. | 0 | 4 | 1 | 4 | 6 | 7 | 6 | 1 | 2 | 0 | 15 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| April | 10.4 | SE. | 34 | SE. | 0 | 4 | 4 | 3 | 11 | 1 | 1 | 0 | 5 | 1 | 9 | 12 | 9 | 6 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| May | 9.4 | SE. | 30 | NE. | 0 | 3 | 3 | 2 | 14 | 7 | 1 | 0 | 1 | 0 | 8 | 13 | 10 | 8 | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 5 | 0 |
| June | 8.3 | SE. | 40 | N. | 1 | 1 | 5 | 3 | 10 | 6 | 4 | 1 | 0 | 0 | 8 | 14 | 8 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 6 | 0 |
| July | 5.9 | SW. | 26 | SE. | 0 | 2 | 9 | 1 | 1 | 2 | 5 | 6 | 4 | 1 | 2 | 14 | 15 | 13 | 12 | 0 | 0 | 0 | 1 | 0 | 22 | 0 | 21 | 0 |
| August | 6.6 | SE. | 37 | E. | 0 | 0 | 9 | 2 | 5 | 2 | 2 | 3 | 6 | 2 | 4 | 18 | 9 | 14 | 14 | 0 | 0 | 0 | 1 | 0 | 17 | 0 | 10 | 0 |
| September | 6.4 | SE. | 28 | SE. | 0 | 5 | 14 | 3 | 3 | 2 | 1 | 2 | 0 | 0 | 14 | 14 | 2 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 6 | 0 |
| October | 7.2 | SE. | 28 | NW. | 0 | 3 | 7 | 7 | 4 | 1 | 1 | 1 | 6 | 1 | 25 | 5 | 1 | 4 | 3 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 2 | 0 |
| November | 8.3 | SE. | 28 | SE. | 0 | 3 | 6 | 4 | 5 | 0 | 2 | 2 | 8 | 0 | 20 | 5 | 5 | 6 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 0 |
| December | 9.0 | S. | 33 | S. | 0 | 4 | 4 | 3 | 8 | 4 | 4 | 0 | 4 | 0 | 11 | 10 | 10 | 9 | 6 | 0 | 0 | 0 | 5 | 0 | 0 | 6 | 3 | 0 |
| Year | 8.4 | SE. | 40 | N. | 1 | 37 | 71 | 42 | 81 | 40 | 28 | 21 | 40 | 6 | 132 | 134 | 100 | 87 | 69 | 0 | 0 | 0 | 29 | 0 | 69 | 15 | 59 | 0 |

HURON, S. DAK.

[$H_b$=1,306 ft.; $h_t$=59 ft.; $h_r$=53 ft.; $h_a$=74 ft.)

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.0 | NW. | 37 | NW. | 0 | 6 | 1 | 0 | 19 | 3 | 2 | 5 | 26 | 0 | 10 | 13 | 8 | 10 | 6 | 13 | 10 | 0 | 0 | 24 | 0 | 31 | 0 | 0 |
| February | 10.4 | NW. | 39 | NW. | 0 | 8 | 6 | 4 | 10 | 5 | 5 | 1 | 19 | 0 | 11 | 9 | 9 | 9 | 5 | 16 | 9 | 0 | 1 | 18 | 0 | 29 | 0 | 0 |
| March | 12.9 | SE. | 39 | NW. | 0 | 8 | 6 | 3 | 18 | 6 | 2 | 1 | 13 | 0 | 4 | 13 | 14 | 6 | 6 | 8 | 3 | 0 | 0 | 8 | 0 | 26 | 1 | 0 |
| April | 12.8 | NW. | 41 | S. | 2 | 7 | 3 | 4 | 9 | 6 | 3 | 4 | 24 | 0 | 4 | 12 | 14 | 10 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 14 | 1 | 0 |
| May | 13.0 | NW. | 48 | NW. | 5 | 3 | 9 | 6 | 9 | 5 | 7 | 8 | 15 | 0 | 14 | 9 | 8 | 13 | 8 | 2 | 2 | 0 | 0 | 0 | 2 | 2 | 7 | 0 |
| June | 11.1 | NW. | 46 | S. | 1 | 7 | 4 | 1 | 17 | 2 | 4 | 6 | 19 | 0 | 8 | 13 | 9 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| July | 10.5 | SE. | 56 | SE. | 2 | 7 | 4 | 4 | 37 | 1 | 3 | 0 | 6 | 0 | 16 | 12 | 3 | 9 | 6 | 0 | 0 | 1 | 1 | 0 | 15 | 0 | 6 | 0 |
| August | 9.2 | SE. | 43 | NW. | 1 | 9 | 6 | 3 | 20 | 8 | 3 | 1 | 10 | 2 | 13 | 13 | 5 | 9 | 9 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 10 | 2 |
| September | 11.3 | SE. | 42 | NW. | 2 | 2 | 5 | 2 | 20 | 6 | 4 | 7 | 14 | 0 | 13 | 11 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 |
| October | 11.8 | NW. | 44 | NW. | 2 | 6 | 2 | 2 | 16 | 5 | 1 | 7 | 22 | 1 | 10 | 15 | 6 | 5 | 4 | 3 | 2 | 0 | 0 | 1 | 0 | 15 | 2 | 0 |
| November | 10.1 | NW. | 35 | NW. | 0 | 1 | 1 | 2 | 17 | 2 | 11 | 3 | 23 | 0 | 16 | 7 | 7 | 4 | 0 | 5 | 3 | 0 | 0 | 5 | 0 | 28 | 0 | 0 |
| December | 11.3 | NW. | 42 | NW. | 1 | 5 | 4 | 5 | 11 | 4 | 8 | 8 | 16 | 1 | 8 | 12 | 11 | 8 | 6 | 15 | 7 | 0 | 0 | 22 | 0 | 31 | 0 | 0 |
| Year | 11.4 | NW. | 56 | SE. | 16 | 69 | 51 | 36 | 203 | 53 | 53 | 51 | 212 | 4 | 127 | 139 | 100 | 103 | 77 | 64 | 38 | 1 | 3 | 78 | 22 | 179 | 41 | 2 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

INDEPENDENCE, CAL.

[$\phi$=36° 48′ N.; $\lambda$=118° 12′ 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 | 25.880 | 26.400 | 24.960 | ..... | 29.6 | 37.2 | 16.2 | 26.7 | 52 | −2 | .... | 28 | .... | 94 | ..... | 0.155 | 8.69 | 1.78 | ..... | 7.1 | .... |
| February | 26.074 | 26.410 | 25.637 | ..... | 41.9 | 47.2 | 22.3 | 34.8 | 60 | 2 | .... | 29 | .... | 64 | ..... | .162 | .57 | .43 | ..... | 6.3 | .... |
| March | 26.002 | 26.350 | 25.420 | ..... | 65.0 | 68.2 | 35.7 | 52.0 | 80 | 26 | .... | 23 | .... | 21 | ..... | .126 | .31 | .29 | ..... | 3.6 | 3.4 |
| April | 25.936 | 26.250 | 25.700 | ..... | 71.3 | 73.7 | 40.1 | 56.9 | 84 | 33 | .... | 23 | .... | 17 | ..... | .123 | .21 | .21 | ..... | 3.9 | .... |
| May | 25.859 | 26.100 | 25.500 | ..... | 73.4 | 77.1 | 42.4 | 59.8 | 86 | 28 | .... | 24 | .... | 16 | ..... | .135 | .01 | .01 | ..... | 4.2 | .... |
| June | 25.868 | 26.030 | 25.600 | ..... | 84.6 | 87.6 | 51.4 | 69.5 | 97 | 40 | .... | 32 | .... | 16 | ..... | .192 | 0 | 0 | ..... | 3.5 | .... |
| July | 25.907 | 26.090 | 25.730 | ..... | 90.4 | 93.2 | 55.5 | 74.4 | 103 | 45 | .... | 36 | .... | 16 | ..... | .226 | 0 | 0 | ..... | 1.8 | .... |
| August | 25.944 | 26.140 | 25.750 | 59.2 | 85.0 | 87.6 | 54.1 | 70.8 | 96 | 48 | 38 | 37 | 47 | 20 | .236 | .229 | .22 | .15 | 1.7 | 2.1 | .... |
| September | 25.963 | 26.190 | 25.730 | 53.9 | 80.3 | 83.2 | 48.0 | 65.6 | 90 | 38 | 33 | 31 | 47 | 19 | .194 | .181 | .07 | .07 | 0.8 | 1.8 | 1.2 |
| October | 26.001 | 26.320 | 25.600 | 42.0 | 59.0 | 66.4 | 35.4 | 50.9 | 78 | 26 | 29 | 31 | 62 | 38 | .164 | .181 | .84 | .40 | 2.8 | 4.2 | 2.6 |
| November | 26.055 | 26.350 | 25.670 | ..... | 49.6 | 59.7 | 25.7 | 42.7 | 73 | 16 | .... | 21 | .... | 31 | ..... | .118 | 0 | 0 | ..... | 3.3 | .... |
| December | 25.973 | 26.380 | 25.261 | ..... | 37.9 | 49.0 | 19.2 | 34.1 | 72 | −2 | .... | 22 | .... | 59 | ..... | .124 | 1.92 | 1.91 | ..... | 5.5 | .... |
| Year | 25.955 | 26.410 | 24.960 | ..... | 64.0 | 69.2 | 37.2 | 53.2 | 103 | −2 | .... | 28 | .... | 34 | ..... | .163 | 12.84 | 1.91 | ..... | 3.9 | .... |

INDIANAPOLIS, IND.

[$\phi$=39° 46′ N.; $\lambda$=86° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.280 | 29.750 | 28.640 | 30.3 | 35.4 | 43.6 | 24.1 | 33.8 | 68 | −3 | 27 | 29 | 85 | 76 | 0.171 | 0.182 | 6.55 | 1.32 | 5.8 | 6.2 | 6.8 |
| February | 29.248 | 29.783 | 28.741 | 23.7 | 29.7 | 36.2 | 19.8 | 28.0 | 65 | 0 | 20 | 22 | 83 | 70 | .113 | .123 | 1.16 | .60 | 6.3 | 5.9 | 6.9 |
| March | 29.074 | 29.520 | 28.230 | 32.5 | 40.8 | 47.6 | 28.2 | 37.9 | 74 | 6 | 26 | 30 | 78 | 67 | .160 | .188 | 2.44 | .88 | 5.2 | 6.7 | 6.8 |
| April | 29.094 | 29.350 | 28.730 | 45.2 | 53.0 | 58.9 | 42.1 | 50.5 | 78 | 28 | 38 | 38 | 76 | 60 | .237 | .246 | 1.81 | .88 | 6.7 | 7.8 | 7.5 |
| May | 29.059 | 29.420 | 28.710 | 58.2 | 66.9 | 72.5 | 54.4 | 63.4 | 89 | 43 | 49 | 50 | 74 | 57 | .373 | .384 | 3.54 | .61 | 6.1 | 6.4 | 6.2 |
| June | 29.017 | 29.395 | 28.480 | 62.7 | 70.6 | 76.2 | 58.1 | 67.2 | 88 | 51 | 55 | 56 | 78 | 63 | .445 | .461 | 5.92 | 1.99 | 5.7 | 6.4 | 6.3 |
| July | 29.130 | 29.356 | 28.900 | 74.9 | 83.6 | 90.9 | 70.2 | 80.6 | 100 | 61 | 66 | 64 | 74 | 55 | .636 | .602 | 2.44 | 1.39 | 2.2 | 3.8 | 3.0 |
| August | 29.160 | 29.390 | 28.950 | 70.1 | 79.9 | 86.1 | 67.2 | 76.6 | 96 | 53 | 64 | 63 | 80 | 58 | .602 | .598 | 2.47 | 1.20 | 3.8 | 4.8 | 4.0 |
| September | 29.188 | 29.490 | 28.790 | 59.0 | 68.1 | 76.0 | 54.9 | 65.4 | 90 | 39 | 51 | 50 | 76 | 54 | .410 | .396 | 2.26 | 1.14 | 4.4 | 3.1 | 3.9 |
| October | 29.215 | 29.600 | 28.550 | 49.0 | 58.7 | 66.4 | 45.8 | 56.1 | 87 | 30 | 41 | 41 | 74 | 55 | .266 | .274 | 1.47 | .72 | 3.5 | 3.5 | 4.2 |
| November | 29.228 | 29.560 | 28.450 | 38.5 | 47.1 | 54.6 | 35.3 | 45.0 | 76 | 14 | 32 | 32 | 78 | 56 | .195 | .188 | 1.73 | .98 | 3.7 | 2.8 | 3.9 |
| December | 29.120 | 29.660 | 28.650 | 26.3 | 31.3 | 37.5 | 21.5 | 29.5 | 62 | −2 | 21 | 22 | 81 | 69 | .130 | .135 | 2.50 | .49 | 6.6 | 6.3 | 6.3 |
| Year | 29.151 | 29.783 | 28.230 | 47.5 | 55.4 | 62.2 | 43.5 | 52.8 | 100 | −3 | 41 | 41 | 78 | 62 | .312 | .315 | 34.29 | 1.99 | 5.0 | 5.3 | 5.5 |

IOLA, KANS.

[$\phi$=37° 55′ N.; $\lambda$=95° 25′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.054 | 29.620 | 28.520 | 25.9 | ..... | 38.2 | 18.8 | 28.5 | 64 | −12 | 22 | .... | 86 | .... | 0.144 | ..... | 5.13 | 1.82 | 7.4 | ..... | 6.6 |
| February | 29.136 | 29.610 | 28.750 | 25.3 | ..... | 42.1 | 22.2 | 32.2 | 71 | 4 | 22 | .... | 86 | .... | .124 | ..... | .97 | .55 | 3.6 | ..... | 4.0 |
| March | 28.882 | 29.480 | 28.200 | 37.5 | ..... | 60.0 | 34.3 | 47.1 | 93 | 4 | 31 | .... | 78 | .... | .184 | ..... | 2.10 | .95 | 4.0 | ..... | 4.0 |
| April | 28.919 | 29.250 | 28.330 | 46.5 | ..... | 61.5 | 43.6 | 52.6 | 80 | 28 | 42 | .... | 84 | .... | .276 | ..... | 3.83 | 1.08 | 5.8 | ..... | 5.8 |
| May | 28.811 | 29.090 | 28.390 | 60.2 | ..... | 76.9 | 55.2 | 66.0 | 91 | 40 | 52 | .... | 77 | .... | .416 | ..... | 2.98 | .98 | 4.8 | ..... | 3.8 |
| June | 28.827 | 29.070 | 28.320 | 66.0 | ..... | 81.4 | 61.5 | 71.4 | 91 | 50 | 61 | .... | 84 | .... | .541 | ..... | 8.58 | 4.04 | 5.3 | ..... | 3.8 |
| July | 28.933 | 29.130 | 28.710 | 74.0 | ..... | 95.9 | 68.8 | 82.4 | 101 | 63 | 66 | .... | 75 | .... | .633 | ..... | T. | T. | 1.0 | ..... | 1.0 |
| August | 28.946 | 29.190 | 28.630 | 71.2 | ..... | 93.5 | 68.3 | 80.9 | 102 | 50 | 64 | .... | 79 | .... | .611 | ..... | 2.43 | 1.18 | 4.9 | ..... | 3.7 |
| September | 28.976 | 29.320 | 28.460 | 59.7 | ..... | 80.2 | 56.7 | 68.4 | 95 | 32 | 54 | .... | 83 | .... | .452 | ..... | 5.56 | 4.47 | 3.4 | ..... | 3.0 |
| October | 28.989 | 29.470 | 28.650 | 49.8 | ..... | 70.6 | 47.2 | 58.9 | 89 | 26 | 42 | .... | 76 | .... | .279 | ..... | 1.67 | .64 | 3.8 | ..... | 4.1 |
| November | 29.037 | 29.390 | 28.650 | 38.3 | ..... | 57.6 | 35.9 | 45.8 | 80 | 13 | 34 | .... | 82 | .... | .207 | ..... | 3.03 | 1.81 | 3.2 | ..... | 3.2 |
| December | 28.927 | 29.400 | 28.380 | 25.3 | ..... | 40.8 | 19.7 | 30.2 | 69 | −1 | 21 | .... | 84 | .... | .128 | ..... | .68 | .33 | 4.8 | ..... | 4.4 |
| Year | 28.953 | 29.620 | 28.200 | 48.3 | ..... | 66.6 | 44.4 | 55.4 | 102 | −12 | 43 | .... | 81 | .... | .333 | ..... | 36.96 | 4.47 | 4.3 | ..... | 4.0 |

JACKSONVILLE, FLA.

[$\phi$=30° 20′ N.; $\lambda$=81° 39′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.203 | 30.450 | 29.880 | 56.8 | 61.4 | 70.0 | 54.9 | 62.4 | 79 | 30 | 54 | 57 | 90 | 85 | 0.434 | 0.479 | 0.90 | 0.42 | 4.5 | 3.7 | 5.4 |
| February | 30.067 | 30.430 | 29.590 | 50.2 | 58.3 | 66.6 | 47.8 | 57.2 | 79 | 28 | 43 | 45 | 77 | 63 | .310 | .325 | .19 | .15 | 3.6 | 2.8 | 3.9 |
| March | 29.999 | 30.330 | 29.600 | 53.5 | 62.1 | 70.0 | 49.0 | 59.5 | 82 | 33 | 46 | 44 | 76 | 54 | .337 | .319 | .59 | .47 | 2.8 | 1.7 | 2.6 |
| April | 29.973 | 30.330 | 29.670 | 61.2 | 67.8 | 76.1 | 57.9 | 67.0 | 87 | 43 | 52 | 52 | 73 | 60 | .401 | .407 | .46 | .27 | 3.5 | 2.2 | 3.0 |
| May | 29.926 | 30.200 | 29.670 | 71.5 | 75.1 | 83.7 | 67.4 | 75.6 | 94 | 60 | 63 | 62 | 76 | 67 | .595 | .577 | 3.32 | 1.60 | 3.5 | 4.9 | 4.4 |
| June | 29.923 | 30.100 | 29.713 | 76.5 | 77.5 | 87.0 | 71.7 | 79.4 | 93 | 66 | 70 | 69 | 81 | 76 | .733 | .713 | 6.45 | 1.41 | 4.4 | 6.8 | 6.1 |
| July | 29.959 | 30.110 | 29.747 | 77.9 | 78.3 | 87.3 | 73.5 | 80.4 | 94 | 70 | 72 | 71 | 83 | 80 | .789 | .769 | 3.93 | 1.22 | 5.2 | 6.3 | 6.0 |
| August | 29.995 | 30.220 | 29.770 | 77.9 | 79.0 | 89.7 | 73.5 | 81.6 | 95 | 70 | 72 | 71 | 83 | 78 | .789 | .765 | 6.76 | 2.25 | 2.5 | 6.1 | 4.8 |
| September | 29.963 | 30.120 | 29.780 | 72.8 | 76.2 | 83.3 | 70.2 | 76.8 | 90 | 62 | 68 | 68 | 84 | 77 | .690 | .700 | 5.25 | 2.25 | 4.6 | 4.8 | 5.4 |
| October | 29.970 | 30.140 | 29.730 | 65.7 | 69.2 | 75.2 | 63.8 | 69.5 | 86 | 43 | 62 | 64 | 90 | 86 | .586 | .627 | 4.77 | 2.76 | 6.2 | 5.0 | 6.5 |
| November | 30.098 | 30.410 | 29.740 | 58.2 | 63.1 | 70.7 | 55.5 | 63.1 | 83 | 33 | 52 | 54 | 80 | 73 | .427 | .443 | 2.76 | 2.12 | 3.4 | 3.3 | 4.1 |
| December | 30.048 | 30.340 | 29.590 | 53.2 | 58.5 | 66.8 | 49.1 | 58.0 | 79 | 30 | 49 | 50 | 86 | 76 | .376 | .389 | 7.47 | 4.97 | 4.8 | 4.1 | 5.4 |
| Year | 30.010 | 30.450 | 29.590 | 64.6 | 68.8 | 77.2 | 61.2 | 69.2 | 95 | 28 | 59 | 59 | 82 | 73 | .539 | .543 | 42.85 | 4.97 | 4.1 | 4.3 | 4.8 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

INDEPENDENCE, CAL.

[$H_b$=3,910 ft.; $h_t$=11 ft.; $h_r$=4 ft.; $h_a$=42 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 5.3 | N. | 48 | SE. | 2 | 18 | 0 | 1 | 4 | 0 | 0 | 0 | 8 | 0 | 5 | 12 | 14 | 12 | 11 | 12 | 10 | 0 | 0 | 7 | 0 | 30 | 0 | 0 |
| February | 4.0 | N. | 35 | W. | 0 | 10 | 3 | 0 | 2 | 0 | 1 | 4 | 8 | 1 | 8 | 14 | 7 | 4 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 27 | 0 | 0 |
| March | 8.7 | N. | 45 | NW. | 2 | 11 | 1 | 2 | 8 | 3 | 0 | 2 | 4 | 0 | 18 | 10 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| April | 7.6 | N. | 30 | W. | 0 | 11 | 1 | 0 | 9 | 1 | 3 | 4 | 1 | 0 | 23 | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 7.3 | SE. | 36 | N. | 0 | 3 | 1 | 0 | 15 | 2 | 2 | 7 | 1 | 0 | 20 | 11 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 |
| June | 6.5 | SE. | 27 | W. | 0 | 1 | 2 | 1 | 13 | 3 | 2 | 6 | 2 | 0 | 29 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 |
| July | 6.1 | SE. | 28 | SE. | 0 | 0 | 0 | 2 | 17 | 3 | 3 | 5 | 1 | 0 | 29 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 1 | 0 |
| August | 5.8 | SE. | 29 | W. | 0 | 2 | 4 | 1 | 23 | 8 | 8 | 4 | 12 | 0 | 26 | 4 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 3 | 0 |
| September | 5.8 | SE. | 33 | SE. | 0 | 3 | 0 | 0 | 25 | 3 | 5 | 9 | 15 | 0 | 26 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| October | 5.1 | NW. | 24 | NW. | 0 | 2 | 1 | 0 | 9 | 13 | 4 | 10 | 23 | 0 | 20 | 4 | 7 | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 12 | 1 | 0 |
| November | 5.8 | S. | 32 | W. | 0 | 5 | 0 | 0 | 7 | 12 | 0 | 3 | 3 | 0 | 22 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 |
| December | ..... | SW. | .... | ..... | 0 | 7 | 0 | 0 | 2 | 8 | 1 | 8 | 5 | 0 | 17 | 7 | 7 | 3 | 2 | 5 | 3 | 0 | 0 | 4 | 0 | 31 | 0 | 0 |
| Year | ..... | SE. | .... | ..... | 4 | 73 | 13 | 7 | 134 | 56 | 29 | 62 | 83 | 1 | 243 | 78 | 45 | 33 | 26 | 17 | 13 | 1 | 0 | 13 | 51 | 146 | 5 | 0 |

INDIANAPOLIS, IND.

[$H_b$=822 ft.; $h_t$=194 ft.; $h_r$=188 ft.; $h_a$=230 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.5 | S. | 44 | W. | 3 | 1 | 3 | 5 | 7 | 20 | 6 | 10 | 10 | 0 | 9 | 5 | 17 | 15 | 14 | 7 | 2 | 0 | 3 | 8 | 0 | 20 | 1 | 0 |
| February | 12.7 | NW. | 42 | NW. | 1 | 5 | 9 | 2 | 7 | 3 | 8 | 10 | 14 | 0 | 5 | 7 | 17 | 5 | 3 | 11 | 3 | 0 | 1 | 12 | 0 | 27 | 0 | 0 |
| March | 13.8 | SW. | 56 | W. | 3 | 6 | 11 | 6 | 6 | 6 | 11 | 5 | 11 | 0 | 6 | 7 | 18 | 11 | 9 | 9 | 6 | 2 | 1 | 4 | 0 | 20 | 5 | 0 |
| April | 13.9 | NW. | 42 | NW. | 1 | 6 | 4 | 6 | 4 | 9 | 10 | 8 | 13 | 0 | 4 | 6 | 20 | 12 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| May | 12.8 | SW. | 42 | SW. | 2 | 3 | 7 | 6 | 4 | 14 | 12 | 8 | 8 | 0 | 6 | 13 | 12 | 18 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| June | 11.0 | SW. | 39 | N. | 0 | 7 | 6 | 6 | 4 | 7 | 20 | 8 | 2 | 0 | 4 | 13 | 13 | 14 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| July | 8.3 | NE. | 52 | NW. | 2 | 2 | 18 | 14 | 7 | 6 | 7 | 4 | 4 | 0 | 16 | 12 | 3 | 8 | 4 | 0 | 0 | 1 | 0 | 0 | 20 | 0 | 13 | 0 |
| August | 7.7 | SW. | 46 | W. | 1 | 7 | 10 | 2 | 6 | 12 | 16 | 7 | 2 | 0 | 13 | 14 | 4 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 8 | 0 |
| September | 11.4 | S. | 46 | SW. | 1 | 8 | 3 | 6 | 5 | 19 | 7 | 7 | 5 | 0 | 14 | 11 | 5 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 |
| October | 11.3 | S. | 40 | NW. | 1 | 7 | 5 | 3 | 14 | 15 | 10 | 6 | 2 | 0 | 16 | 6 | 9 | 9 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| November | 13.6 | S. | 42 | NW. | 1 | 1 | 2 | 5 | 5 | 19 | 11 | 13 | 4 | 0 | 16 | 6 | 8 | 6 | 4 | 3 | 1 | 0 | 0 | 2 | 0 | 11 | 1 | 0 |
| December | 13.3 | S. | 44 | W. | 2 | 7 | 3 | 2 | 7 | 15 | 10 | 13 | 5 | 0 | 9 | 6 | 16 | 12 | 11 | 11 | 6 | 0 | 1 | 13 | 0 | 25 | 1 | 0 |
| Year | 12.0 | S. | 56 | W. | 18 | 60 | 81 | 63 | 76 | 145 | 128 | 99 | 80 | 0 | 118 | 106 | 142 | 126 | 96 | 44 | 21 | 3 | 6 | 39 | 32 | 109 | 57 | 0 |

IOLA, KANS.

[$H_b$=984 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=50 ft.

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.7 | N. | 27 | N. | 0 | 9 | 5 | 2 | 2 | 8 | 1 | 2 | 2 | 0 | 7 | 7 | 17 | 11 | 10 | 9 | 3 | 0 | 2 | 11 | 0 | 25 | 2 | 0 |
| February | 7.2 | N. | 30 | N. | 0 | 11 | 4 | 1 | 3 | 5 | 3 | 0 | 2 | 0 | 15 | 5 | 9 | 5 | 4 | 4 | 2 | 0 | 1 | 9 | 0 | 27 | 1 | 0 |
| March | 9.5 | N. | 39 | N.W | 0 | 8 | 0 | 3 | 5 | 6 | 2 | 0 | 7 | 0 | 15 | 7 | 9 | 10 | 5 | 6 | 2 | 0 | 0 | 2 | 1 | 11 | 2 | 0 |
| April | 9.3 | NE. | 30 | S. | 0 | 7 | 5 | 2 | 2 | 4 | 2 | 4 | 4 | 0 | 7 | 13 | 10 | 11 | 10 | 3 | 1 | 1 | 0 | 0 | 0 | 3 | 4 | 0 |
| May | 8.6 | S. | 36 | SE. | 0 | 2 | 6 | 2 | 5 | 8 | 3 | 2 | 3 | 0 | 14 | 11 | 6 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 |
| June | 6.5 | S. | 29 | N. | 0 | 4 | 3 | 6 | 3 | 6 | 2 | 2 | 4 | 0 | 12 | 16 | 2 | 10 | 8 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 10 | 0 |
| July | 3.8 | S. | 19 | NE. | 0 | 3 | 5 | 6 | 6 | 11 | 0 | 0 | 0 | 0 | 28 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 2 | 0 |
| August | 5.7 | S. | 36 | NE. | 0 | 4 | 8 | 2 | 2 | 14 | 1 | 0 | 0 | 0 | 15 | 12 | 4 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 6 | 0 |
| September | 6.1 | S. | 24 | SW. | 0 | 5 | 1 | 3 | 4 | 11 | 1 | 0 | 5 | 0 | 18 | 9 | 3 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 7 | 0 |
| October | 7.0 | S. | 25 | S. | 0 | 3 | 4 | 1 | 4 | 12 | 2 | 1 | 4 | 0 | 15 | 8 | 8 | 8 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| November | 8.9 | S. | 31 | S. | 0 | 6 | 3 | 1 | 1 | 8 | 4 | 2 | 5 | 0 | 20 | 3 | 7 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 0 | 14 | 0 | 0 |
| December | 8.1 | S. | 25 | NW. | 0 | 2 | 5 | 2 | 3 | 7 | 4 | 1 | 7 | 0 | 13 | 10 | 8 | 6 | 6 | 10 | 4 | 0 | 2 | 8 | 0 | 25 | 1 | 0 |
| Year | 7.5 | S. | 39 | NW. | 0 | 64 | 49 | 31 | 40 | 100 | 25 | 14 | 43 | 0 | 179 | 104 | 83 | 91 | 72 | 34 | 12 | 2 | 5 | 31 | 64 | 109 | 43 | 0 |

JACKSONVILLE, FLA.

[$H_b$=43 ft.; $h_t$=209 ft.; $h_r$=198 ft.; $h_a$=245 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.2 | NE. | 36 | SW. | 0 | 10 | 12 | 8 | 13 | 4 | 8 | 3 | 4 | 0 | 10 | 14 | 7 | 9 | 4 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 0 |
| February | 13.9 | SW. | 50 | W. | 1 | 7 | 9 | 5 | 4 | 5 | 11 | 9 | 8 | 0 | 14 | 11 | 4 | 4 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 3 | 0 |
| March | 15.1 | SW. | 52 | SW. | 3 | 2 | 6 | 3 | 4 | 7 | 21 | 4 | 15 | 0 | 19 | 10 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| April | 12.5 | SW. | 40 | SW. | 1 | 6 | 2 | 4 | 16 | 7 | 8 | 7 | 10 | 0 | 18 | 9 | 3 | 4 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| May | 12.0 | NE. | 45 | NE. | 1 | 2 | 13 | 5 | 14 | 8 | 8 | 3 | 9 | 0 | 14 | 8 | 9 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 0 |
| June | 11.3 | SW. | 50 | SW. | 3 | 0 | 3 | 4 | 12 | 15 | 21 | 4 | 1 | 0 | 5 | 14 | 11 | 15 | 12 | 0 | 0 | 1 | 0 | 0 | 9 | 0 | 15 | 0 |
| July | 11.2 | SE. | 42 | SW. | 2 | 3 | 6 | 8 | 21 | 9 | 10 | 2 | 3 | 0 | 8 | 11 | 12 | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 15 | 0 |
| August | 9.4 | S. | 52 | S. | 2 | 5 | 4 | 5 | 17 | 8 | 12 | 6 | 5 | 0 | 8 | 17 | 6 | 15 | 14 | 0 | 0 | 1 | 0 | 0 | 18 | 0 | 18 | 0 |
| September | 12.0 | NE. | 36 | NE. | 0 | 15 | 13 | 12 | 9 | 1 | 4 | 1 | 5 | 0 | 9 | 15 | 6 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 |
| October | 15.0 | N. | 38 | NE. | 0 | 28 | 15 | 3 | 5 | 4 | 1 | 1 | 5 | 0 | 8 | 8 | 15 | 20 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 12.7 | NE. | 36 | SW. | 0 | 18 | 11 | 9 | 7 | 1 | 2 | 4 | 8 | 0 | 17 | 4 | 9 | 10 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| December | 12.0 | SW. | 54 | SW. | 3 | 12 | 8 | 3 | 8 | 6 | 8 | 9 | 8 | 0 | 9 | 11 | 11 | 12 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 |
| Year | 12.5 | SE. | 54 | SW. | 16 | 108 | 102 | 69 | 130 | 75 | 114 | 53 | 81 | 0 | 139 | 132 | 95 | 127 | 87 | 0 | 0 | 2 | 14 | 0 | 39 | 4 | 70 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

KALISPELL, MONT.

[$\phi$=48° 10′ N.; $\lambda$=114° 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 | 26.845 | 27.510 | 26.270 | 1.7 | 6.5 | 13.0 | −4.1 | 4.4 | 48 | −22 | −1 | 2 | 86 | 82 | 0.049 | 0.056 | 1.95 | 0.53 | 6.8 | 6.4 | 6.5 |
| February | 27.024 | 27.400 | 26.460 | 20.4 | 27.7 | 31.7 | 17.0 | 24.4 | 48 | −16 | 18 | 21 | 89 | 75 | .107 | .121 | 1.06 | .28 | 7.2 | 7.5 | 7.6 |
| March | 26.881 | 27.340 | 26.270 | 28.9 | 40.0 | 43.9 | 26.8 | 35.4 | 57 | 2 | 25 | 27 | 83 | 62 | .137 | .154 | 2.43 | .65 | 7.1 | 8.1 | 7.1 |
| April | 26.949 | 27.273 | 26.540 | 33.6 | 50.6 | 54.6 | 32.4 | 43.5 | 77 | 26 | 28 | 29 | 80 | 47 | .153 | .164 | .73 | .26 | 5.9 | 6.3 | 5.8 |
| May | 26.859 | 27.170 | 26.330 | 37.1 | 54.4 | 58.8 | 35.4 | 47.1 | 74 | 28 | 32 | 33 | 83 | 45 | .186 | .189 | 1.11 | .41 | 6.1 | 7.4 | 6.3 |
| June | 26.898 | 27.120 | 26.552 | 45.6 | 64.1 | 67.3 | 43.3 | 55.3 | 88 | 33 | 41 | 43 | 86 | 51 | .266 | .286 | 3.91 | 1.12 | 6.3 | 6.7 | 5.8 |
| July | 26.905 | 27.141 | 26.644 | 50.5 | 74.0 | 76.5 | 48.9 | 62.7 | 91 | 41 | 45 | 49 | 82 | 44 | .305 | .358 | 1.76 | .61 | 4.2 | 3.7 | 4.1 |
| August | 26.925 | 27.200 | 26.620 | 47.9 | 73.2 | 76.0 | 47.2 | 61.6 | 85 | 38 | 43 | 48 | 85 | 43 | .281 | .334 | 1.96 | 1.06 | 3.4 | 3.7 | 3.9 |
| September | 26.929 | 27.390 | 26.550 | 42.6 | 61.2 | 66.1 | 39.9 | 53.0 | 85 | 29 | 38 | 42 | 83 | 52 | .234 | .272 | 1.63 | .96 | 4.2 | 4.5 | 4.4 |
| October | 27.002 | 27.322 | 26.570 | 31.0 | 46.1 | 52.8 | 28.2 | 40.5 | 67 | 19 | 27 | 31 | 83 | 56 | .144 | .175 | .62 | .21 | 3.9 | 5.7 | 5.4 |
| November | 27.063 | 27.560 | 26.420 | 22.8 | 30.7 | 36.7 | 19.4 | 28.0 | 60 | −3 | 18 | 22 | 82 | 70 | .109 | .125 | .80 | .28 | 5.9 | 5.7 | 6.2 |
| December | 26.850 | 27.300 | 26.260 | 13.0 | 17.6 | 22.4 | 7.4 | 14.9 | 45 | −20 | 10 | 13 | 87 | 81 | .073 | .084 | 1.70 | .43 | 8.0 | 7.5 | 7.5 |
| Year | 26.928 | 27.560 | 26.260 | 31.3 | 45.5 | 50.0 | 28.5 | 39.2 | 91 | −22 | 27 | 30 | 84 | 59 | .170 | .193 | 19.66 | 1.12 | 5.8 | 6.1 | 5.9 |

KANSAS CITY, Mo.

[$\phi$=39° 5′ N.; $\lambda$=94° 37′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.088 | 29.680 | 28.500 | 23.8 | 27.7 | 37.1 | 17.6 | 27.4 | 62 | −14 | 19 | 20 | 80 | 74 | 0.124 | 0.131 | 5.52 | 2.24 | 7.3 | 5.5 | 6.4 |
| February | 29.149 | 29.650 | 28.790 | 25.5 | 33.0 | 38.4 | 22.1 | 30.2 | 62 | 2 | 21 | 25 | 80 | 72 | .118 | .142 | .57 | .35 | 4.9 | 4.8 | 4.1 |
| March | 28.901 | 29.470 | 28.170 | 37.3 | 51.1 | 56.5 | 35.0 | 45.8 | 89 | 6 | 30 | 36 | 74 | 59 | .172 | .225 | 4.46 | 2.68 | 5.7 | 5.4 | 4.5 |
| April | 28.949 | 29.250 | 28.360 | 46.8 | 56.4 | 60.7 | 44.6 | 52.6 | 80 | 30 | 40 | 42 | 76 | 60 | .256 | .276 | 4.16 | 2.32 | 6.2 | 7.0 | 6.1 |
| May | 28.832 | 29.130 | 28.450 | 59.2 | 70.4 | 74.7 | 56.1 | 65.4 | 91 | 42 | 50 | 52 | 73 | 54 | .381 | .409 | 5.36 | 2.67 | 4.9 | 4.1 | 4.6 |
| June | 28.856 | 29.130 | 28.480 | 64.8 | 75.8 | 79.1 | 61.9 | 70.5 | 91 | 52 | 57 | 59 | 78 | 59 | .483 | .519 | 5.51 | 2.70 | 5.0 | 3.2 | 4.0 |
| July | 28.951 | 29.150 | 28.750 | 76.6 | 88.4 | 92.8 | 73.8 | 83.3 | 100 | 67 | 64 | 64 | 67 | 46 | .608 | .608 | .38 | .36 | 1.4 | 2.2 | 1.6 |
| August | 28.955 | 29.230 | 28.664 | 71.4 | 83.7 | 88.7 | 69.1 | 78.9 | 99 | 55 | 62 | 64 | 73 | 53 | .566 | .611 | 3.82 | 1.88 | 3.5 | 3.7 | 3.4 |
| September | 28.980 | 29.330 | 28.470 | 59.6 | 72.7 | 77.4 | 58.1 | 67.8 | 95 | 39 | 52 | 54 | 76 | 54 | .414 | .451 | 4.96 | 1.79 | 3.7 | 2.4 | 2.9 |
| October | 29.009 | 29.490 | 28.680 | 49.5 | 60.9 | 67.1 | 47.6 | 57.4 | 88 | 26 | 41 | 45 | 73 | 59 | .267 | .317 | 4.17 | 3.26 | 3.7 | 3.0 | 4.2 |
| November | 29.042 | 29.400 | 28.600 | 40.9 | 49.4 | 55.2 | 38.6 | 46.9 | 79 | 13 | 31 | 33 | 69 | 55 | .189 | .202 | 2.83 | 1.88 | 3.7 | 2.9 | 3.8 |
| December | 28.943 | 29.480 | 28.490 | 25.9 | 32.8 | 38.8 | 21.0 | 29.9 | 66 | −3 | 19 | 21 | 74 | 63 | .117 | .129 | .34 | .18 | 4.4 | 3.4 | 4.5 |
| Year | 28.971 | 29.680 | 28.170 | 48.4 | 58.5 | 63.9 | 45.5 | 54.7 | 100 | −14 | 40 | 43 | 74 | 59 | .308 | .335 | 42.08 | 3.26 | 4.5 | 4.0 | 4.2 |

KEOKUK, IOWA.

[$\phi$=40° 22′ N.; $\lambda$=91° 26′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.465 | 30.000 | 28.850 | 24.2 | 27.7 | 37.3 | 16.6 | 27.0 | 59 | −17 | 20 | 23 | 82 | 79 | 0.130 | 0.145 | 5.18 | 1.43 | 6.1 | 4.6 | 5.8 |
| February | 29.512 | 29.998 | 29.100 | 20.1 | 28.2 | 33.8 | 17.2 | 25.5 | 60 | −4 | 16 | 24 | 82 | 82 | .093 | .134 | .59 | .33 | 5.6 | 3.9 | 4.6 |
| March | 29.279 | 29.830 | 28.460 | 32.3 | 43.8 | 49.1 | 29.5 | 39.3 | 77 | 9 | 27 | 35 | 82 | 72 | .160 | .218 | 1.37 | .54 | 4.6 | 5.2 | 4.6 |
| April | 29.300 | 29.700 | 28.800 | 45.8 | 55.2 | 60.0 | 41.6 | 50.8 | 80 | 25 | 39 | 41 | 78 | 60 | .251 | .266 | 2.44 | .60 | 6.2 | 6.1 | 4.9 |
| May | 29.216 | 29.560 | 28.830 | 58.2 | 67.8 | 71.5 | 53.8 | 62.6 | 86 | 38 | 50 | 54 | 77 | 63 | .386 | .440 | 6.63 | 1.85 | 4.7 | 4.5 | 4.6 |
| June | 29.207 | 29.510 | 28.778 | 62.8 | 72.6 | 76.1 | 58.7 | 67.4 | 93 | 51 | 57 | 61 | 82 | 68 | .469 | .546 | 3.74 | 1.65 | 3.5 | 3.9 | 4.5 |
| July | 29.323 | 29.520 | 29.120 | 76.6 | 89.3 | 95.0 | 72.0 | 83.5 | 102 | 61 | 66 | 67 | 72 | 50 | .657 | .673 | .10 | .07 | .4 | 2.9 | 1.8 |
| August | 29.335 | 29.590 | 29.090 | 71.2 | 81.1 | 87.6 | 67.4 | 77.5 | 100 | 52 | 65 | 67 | 82 | 64 | .636 | .673 | 4.71 | 2.16 | 2.9 | 3.0 | 4.1 |
| September | 29.354 | 29.692 | 28.889 | 57.9 | 69.1 | 75.9 | 54.6 | 65.2 | 93 | 34 | 52 | 57 | 83 | 67 | .425 | .499 | 3.41 | 1.54 | 2.8 | 3.0 | 3.3 |
| October | 29.381 | 29.890 | 28.868 | 47.6 | 57.7 | 65.6 | 44.7 | 55.2 | 87 | 24 | 42 | 47 | 80 | 68 | .273 | .331 | 2.75 | 1.34 | 4.4 | 2.6 | 4.3 |
| November | 29.406 | 29.731 | 28.770 | 37.9 | 45.9 | 53.6 | 34.5 | 44.0 | 77 | 10 | 31 | 35 | 77 | 68 | .187 | .218 | 1.75 | .94 | 4.2 | 2.9 | 3.7 |
| December | 29.327 | 29.950 | 28.870 | 21.9 | 28.4 | 34.7 | 17.2 | 26.0 | 67 | −10 | 16 | 21 | 77 | 73 | .106 | .124 | .73 | .35 | 4.1 | 3.8 | 4.7 |
| Year | 29.342 | 30.000 | 28.460 | 46.4 | 55.6 | 61.7 | 42.3 | 52.0 | 102 | −17 | 40 | 44 | 80 | 68 | .314 | .356 | 33.40 | 2.16 | 4.1 | 3.9 | 4.2 |

KEY WEST, FLA.

[$\phi$=24° 33′ N.; $\lambda$=81° 48′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.130 | 30.290 | 29.980 | 71.5 | 72.5 | 78.4 | 69.3 | 73.8 | 83 | 64 | 65 | 66 | 80 | 79 | 0.619 | 0.631 | 1.37 | 0.88 | 2.8 | 1.7 | 3.0 |
| February | 30.066 | 30.260 | 29.770 | 67.1 | 68.4 | 75.1 | 64.1 | 69.6 | 82 | 52 | 60 | 59 | 78 | 73 | .531 | .518 | .42 | .30 | 3.1 | 1.8 | 3.3 |
| March | 30.045 | 30.290 | 29.850 | 68.5 | 69.0 | 76.2 | 64.1 | 70.2 | 82 | 54 | 59 | 58 | 72 | 69 | .525 | .507 | .63 | .47 | 1.9 | 1.4 | 1.6 |
| April | 29.982 | 30.270 | 29.770 | 73.3 | 72.5 | 79.4 | 68.4 | 73.9 | 84 | 58 | 64 | 63 | 73 | 73 | .605 | .587 | .24 | .21 | 3.3 | 2.9 | 3.5 |
| May | 29.926 | 30.100 | 29.690 | 78.4 | 77.9 | 84.0 | 73.8 | 78.9 | 88 | 68 | 70 | 70 | 76 | 76 | .742 | .731 | 2.69 | 1.55 | 4.6 | 4.2 | 4.3 |
| June | 29.946 | 30.070 | 29.790 | 82.4 | 81.0 | 87.1 | 76.9 | 82.0 | 89 | 70 | 72 | 71 | 72 | 72 | .796 | .770 | 1.86 | .98 | 4.3 | 4.3 | 4.8 |
| July | 29.942 | 30.060 | 29.770 | 82.3 | 81.7 | 87.3 | 77.3 | 82.3 | 90 | 70 | 73 | 72 | 74 | 74 | .815 | .799 | 10.89 | 7.46 | 4.5 | 5.5 | 5.2 |
| August | 29.981 | 30.200 | 29.760 | 82.9 | 81.9 | 87.9 | 77.1 | 82.5 | 91 | 71 | 74 | 74 | 75 | 76 | .840 | .824 | 5.04 | 1.92 | 5.0 | 4.9 | 4.6 |
| September | 29.914 | 30.030 | 29.750 | 81.8 | 80.9 | 87.1 | 76.3 | 81.7 | 89 | 72 | 73 | 72 | 75 | 75 | .813 | .795 | 4.38 | .93 | 4.6 | 4.9 | 4.8 |
| October | 29.872 | 30.050 | 29.670 | 78.7 | 78.2 | 83.9 | 74.7 | 79.3 | 88 | 69 | 71 | 70 | 78 | 76 | .766 | .737 | 3.38 | 1.56 | 4.5 | 4.0 | 4.3 |
| November | 30.002 | 30.200 | 29.680 | 72.3 | 73.2 | 78.8 | 69.6 | 74.2 | 84 | 59 | 65 | 64 | 78 | 74 | .626 | .614 | 2.01 | .89 | 4.4 | 3.8 | 4.1 |
| December | 30.046 | 30.210 | 29.840 | 69.9 | 70.5 | 76.9 | 66.5 | 71.7 | 82 | 51 | 64 | 64 | 81 | 79 | .613 | .604 | .10 | .06 | 3.0 | .9 | 2.6 |
| Year | 29.988 | 30.290 | 29.670 | 75.8 | 75.6 | 81.8 | 71.5 | 76.7 | 91 | 51 | 68 | 67 | 76 | 75 | .691 | .676 | 33.01 | 7.46 | 3.8 | 3.4 | 3.8 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

KALISPELL, MONT.

[$H_b$=2.962 ft.; $h_t$=11 ft.; $h_r$=4 ft.; $h_a$=34 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 5.4 | NW. | 30 | SW. | 0 | 13 | 0 | 4 | 2 | 3 | 2 | 15 | 19 | 4 | 8 | 7 | 16 | 17 | 11 | 19 | 16 | 0 | 0 | 27 | 0 | 30 | 0 | 0 |
| February | 3.6 | W. | 26 | SW. | 0 | 5 | 2 | 0 | 2 | 14 | 13 | 15 | 3 | 4 | 3 | 9 | 17 | 8 | 6 | 10 | 6 | 0 | 6 | 12 | 0 | 27 | 0 | 0 |
| March | 4.7 | SW. | 34 | SW. | 0 | 2 | 0 | 5 | 10 | 8 | 17 | 15 | 3 | 2 | 5 | 11 | 15 | 17 | 14 | 13 | 9 | 0 | 0 | 3 | 0 | 22 | 0 | 0 |
| April | 5.4 | W. | 26 | W. | 0 | 3 | 0 | 14 | 4 | 3 | 7 | 25 | 2 | 2 | 7 | 15 | 8 | 8 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 |
| May | 6.0 | W. | 34 | SW. | 0 | 9 | 0 | 7 | 3 | 1 | 7 | 24 | 6 | 5 | 3 | 19 | 9 | 13 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 9 | 3 | 0 |
| June | 4.3 | W. | 36 | SW. | 0 | 4 | 1 | 15 | 11 | 2 | 6 | 21 | 0 | 0 | 6 | 17 | 7 | 14 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| July | 4.7 | W. | 45 | SW. | 1 | 3 | 0 | 7 | 7 | 4 | 10 | 25 | 4 | 2 | 16 | 11 | 4 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 |
| August | 3.8 | W. | 21 | SW. | 0 | 1 | 1 | 7 | 13 | 4 | 2 | 31 | 1 | 2 | 20 | 6 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| September | 4.4 | W. | 24 | E. | 0 | 5 | 0 | 8 | 7 | 4 | 10 | 22 | 4 | 0 | 12 | 11 | 7 | 8 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 2 | 0 |
| October | 3.9 | W. | 23 | N. | 0 | 8 | 1 | 6 | 13 | 1 | 7 | 19 | 5 | 2 | 11 | 9 | 11 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 |
| November | 4.0 | W. | 24 | SW. | 0 | 1 | 0 | 3 | 4 | 9 | 5 | 28 | 6 | 4 | 7 | 12 | 11 | 12 | 6 | 7 | 7 | 0 | 0 | 8 | 0 | 27 | 0 | 0 |
| December | 3.7 | W. | 30 | SW. | 0 | 17 | 0 | 6 | 2 | 2 | 4 | 25 | 2 | 4 | 2 | 9 | 20 | 19 | 15 | 20 | 17 | 0 | 0 | 24 | 0 | 30 | 0 | 0 |
| Year | 4.5 | W. | 45 | SW. | 1 | 71 | 5 | 82 | 78 | 55 | 90 | 265 | 55 | 31 | 100 | 136 | 130 | 142 | 101 | 79 | 55 | 1 | 6 | 74 | 1 | 188 | 19 | 1 |

KANSAS CITY, MO.

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.7 | S. | 46 | N. | 2 | 13 | 3 | 5 | 6 | 13 | 4 | 4 | 13 | 1 | 7 | 10 | 14 | 16 | 13 | 10 | 8 | 0 | 3 | 14 | 0 | 24 | 2 | 0 |
| February | 11.9 | N. | 44 | NW. | 1 | 18 | 3 | 6 | 7 | 4 | 5 | 5 | 10 | 0 | 16 | 5 | 8 | 5 | 2 | 8 | 5 | 0 | 2 | 9 | 0 | 21 | 0 | 0 |
| March | 14.1 | N. | 60 | W. | 3 | 17 | 2 | 11 | 5 | 7 | 6 | 6 | 8 | 0 | 15 | 8 | 8 | 9 | 5 | 6 | 4 | 1 | 0 | 2 | 0 | 10 | 4 | 0 |
| April | 12.4 | N. | 43 | NW. | 1 | 15 | 6 | 5 | 4 | 11 | 8 | 3 | 8 | 0 | 7 | 11 | 12 | 11 | 9 | 2 | 2 | 1 | 0 | 0 | 0 | 3 | 3 | 0 |
| May | 12.8 | S. | 44 | S. | 3 | 8 | 4 | 6 | 12 | 16 | 2 | 6 | 8 | 0 | 13 | 12 | 6 | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 0 |
| une | 11.3 | N. | 45 | N. | 3 | 8 | 5 | 11 | 9 | 11 | 0 | 8 | 8 | 0 | 16 | 10 | 4 | 11 | 10 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 10 | 0 |
| July | 7.4 | SE. | 41 | N. | 1 | 9 | 6 | 13 | 14 | 15 | 5 | 0 | 0 | 0 | 26 | 5 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 5 | 0 |
| August | 9.6 | S. | 43 | W | 2 | 11 | 5 | 11 | 6 | 23 | 1 | 3 | 2 | 0 | 17 | 11 | 3 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 12 | 0 |
| September | 11.0 | S. | 41 | S. | 1 | 10 | 5 | 4 | 16 | 18 | 1 | 5 | 1 | 0 | 20 | 8 | 2 | 8 | 8 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 8 | 0 |
| October | 11.9 | S. | 37 | NW. | 0 | 9 | 7 | 4 | 5 | 24 | 4 | 6 | 3 | 0 | 16 | 5 | 10 | 11 | 4 | 2 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 |
| November | 13.5 | S. | 39 | NW. | 0 | 13 | 2 | 1 | 5 | 17 | 10 | 5 | 7 | 0 | 19 | 4 | 7 | 3 | 3 | 2 | 0 | 0 | 1 | 2 | 0 | 7 | 0 | 0 |
| December | 12.5 | NW. | 37 | NW. | 0 | 8 | 5 | 5 | 7 | 10 | 9 | 6 | 12 | 0 | 13 | 10 | 8 | 9 | 3 | 10 | 4 | 0 | 1 | 12 | 0 | 25 | 1 | 0 |
| Year | 11.8 | S. | 60 | W. | 17 | 139 | 53 | 82 | 96 | 169 | 55 | 57 | 80 | 1 | 185 | 99 | 82 | 110 | 75 | 40 | 23 | 3 | 10 | 39 | 46 | 93 | 58 | 0 |

KEOKUK, IOWA.

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.9 | NW. | 30 | W. | 0 | 3 | 2 | 4 | 10 | 13 | 7 | 7 | 16 | 0 | 12 | 4 | 15 | 12 | 11 | 3 | 3 | 0 | 3 | 11 | 0 | 25 | 3 | 0 |
| February | 7.8 | NW. | 29 | NW. | 0 | 7 | 6 | 3 | 2 | 5 | 8 | 11 | 14 | 2 | 11 | 9 | 9 | 7 | 5 | 6 | 6 | 0 | 0 | 13 | 0 | 27 | 0 | 0 |
| March | 9.4 | N. | 36 | W. | 0 | 12 | 7 | 12 | 4 | 6 | 5 | 5 | 11 | 0 | 11 | 15 | 5 | 9 | 7 | 6 | 3 | 0 | 1 | 3 | 0 | 18 | 3 | 0 |
| April | 8.6 | NW. | 46 | SW. | 1 | 7 | 9 | 3 | 2 | 10 | 4 | 10 | 14 | 1 | 12 | 11 | 7 | 13 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 2 | 0 |
| May | 8.4 | S. | 36 | SW. | 0 | 2 | 6 | 7 | 4 | 12 | 10 | 14 | 6 | 1 | 9 | 16 | 6 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 7.4 | W. | 44 | SE. | 1 | 6 | 9 | 5 | 6 | 1 | 9 | 17 | 7 | 0 | 12 | 12 | 6 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 |
| July | 4.4 | NE. | 22 | W. | 0 | 5 | 21 | 9 | 5 | 3 | 13 | 5 | 0 | 1 | 24 | 7 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 6 | 0 |
| August | 5.5 | SW. | 37 | SW. | 0 | 6 | 9 | 5 | 3 | 13 | 16 | 5 | 4 | 1 | 12 | 17 | 2 | 11 | 10 | 0 | 0 | 0 | 1 | 0 | 14 | 0 | 10 | 2 |
| September | 7.3 | S. | 29 | SW. | 0 | 7 | 2 | 3 | 11 | 16 | 4 | 9 | 4 | 4 | 18 | 9 | 3 | 6 | 6 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 7 | 0 |
| October | 7.6 | S. | 28 | W. | 0 | 7 | 6 | 6 | 10 | 13 | 6 | 8 | 5 | 1 | 15 | 6 | 10 | 8 | 6 | 1 | 1 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| November | 8.7 | SW. | 30 | NW. | 0 | 4 | 9 | 1 | 1 | 12 | 13 | 11 | 9 | 0 | 16 | 7 | 7 | 4 | 3 | 1 | 0 | 0 | 2 | 3 | 0 | 10 | 0 | 0 |
| December | 8.1 | NW. | 33 | W. | 0 | 5 | 4 | 6 | 4 | 12 | 9 | 8 | 14 | 0 | 9 | 15 | 7 | 7 | 5 | 8 | 5 | 0 | 1 | 15 | 0 | 25 | 1 | 0 |
| Year | 7.7 | S. | 46 | SW. | 2 | 71 | 90 | 64 | 62 | 116 | 104 | 110 | 104 | 11 | 161 | 128 | 77 | 106 | 84 | 27 | 19 | 1 | 10 | 45 | 45 | 111 | 48 | 2 |

KEY WEST, FLA.

[$H_b$=22 ft.; $h_t$=10 ft.; $h_r$=3 ft.; $h_a$=64 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.6 | E. | 29 | E. | 0 | 3 | 14 | 28 | 15 | 0 | 1 | 1 | 0 | 0 | 19 | 10 | 2 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 10.7 | NE. | 37 | N. | 0 | 8 | 21 | 13 | 4 | 2 | 0 | 2 | 7 | 1 | 19 | 5 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| March | 10.8 | SE. | 39 | N. | 0 | 13 | 13 | 10 | 11 | 6 | 2 | 2 | 5 | 0 | 26 | 4 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 10.9 | N. | 33 | N. | 0 | 16 | 13 | 18 | 6 | 3 | 1 | 1 | 2 | 0 | 15 | 15 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | 9.4 | SE. | 38 | W. | 0 | 11 | 12 | 13 | 13 | 2 | 5 | 2 | 4 | 0 | 14 | 10 | 7 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| June | 8.2 | SE. | 38 | S. | 0 | 2 | 4 | 12 | 34 | 6 | 1 | 0 | 1 | 0 | 11 | 13 | 6 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| July | 9.4 | SE. | 36 | S. | 0 | 1 | 9 | 14 | 28 | 5 | 1 | 2 | 2 | 0 | 10 | 15 | 6 | 14 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 |
| August | 9.8 | E. | 36 | E. | 0 | 3 | 9 | 28 | 16 | 3 | 0 | 2 | 1 | 0 | 15 | 9 | 7 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 |
| September | 8.7 | E. | 35 | SW. | 0 | 5 | 18 | 18 | 8 | 5 | 2 | 3 | 1 | 0 | 9 | 16 | 5 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| October | 11.4 | NE. | 33 | NW. | 0 | 11 | 23 | 14 | 10 | 2 | 1 | 1 | 0 | 0 | 13 | 14 | 4 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| November | 14.3 | NE. | 52 | N. | 1 | 7 | 31 | 15 | 4 | 2 | 0 | 0 | 1 | 0 | 15 | 10 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| December | 10.0 | SE. | 28 | W. | 0 | 4 | 19 | 13 | 17 | 5 | 3 | 0 | 1 | 0 | 22 | 9 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Year | 10.4 | E. | 52 | N. | 1 | 84 | 186 | 196 | 166 | 41 | 17 | 16 | 25 | 1 | 188 | 130 | 48 | 87 | 69 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 49 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

KNOXVILLE, TENN.

[$\phi$=35° 56′ N.; $\lambda$=83° 58′ 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 | 29.175 | 29.450 | 28.790 | 40.2 | 48.2 | 54.4 | 35.7 | 45.0 | 72 | 10 | 36 | 38 | 83 | 69 | 0.237 | 0.262 | 5.23 | 1.35 | 7.6 | 5.8 | 7.0 |
| February | 29.052 | 29.520 | 28.590 | 33.7 | 42.7 | 49.9 | 30.0 | 40.0 | 69 | 16 | 28 | 29 | 79 | 59 | .160 | .167 | 3.33 | 1.23 | 6.1 | 5.1 | 5.6 |
| March | 28.919 | 29.310 | 28.290 | 41.0 | 51.4 | 59.3 | 36.1 | 47.7 | 80 | 19 | 32 | 32 | 70 | 50 | .196 | .198 | 2.25 | .78 | 5.6 | 4.7 | 5.4 |
| April | 28.937 | 29.232 | 28.640 | 51.6 | 61.8 | 67.7 | 47.0 | 57.4 | 85 | 29 | 42 | 38 | 71 | 45 | .276 | .240 | 2.03 | .72 | 6.3 | 5.4 | 6.1 |
| May | 28.922 | 29.120 | 28.740 | 64.5 | 74.2 | 81.6 | 57.9 | 69.8 | 92 | 47 | 53 | 52 | 69 | 49 | .423 | .407 | 4.71 | 2.31 | 4.2 | 5.8 | 5.3 |
| June | 28.887 | 29.120 | 28.450 | 67.9 | 75.8 | 82.6 | 62.9 | 72.8 | 93 | 56 | 61 | 61 | 80 | 61 | .552 | .542 | 5.29 | 1.72 | 5.6 | 5.7 | 5.8 |
| July | 28.941 | 29.210 | 28.680 | 72.3 | 78.7 | 86.2 | 69.3 | 77.8 | 91 | 65 | 67 | 68 | 85 | 71 | .672 | .688 | 6.48 | 1.56 | 6.5 | 7.3 | 6.9 |
| August | 29.002 | 29.180 | 28.840 | 71.2 | 78.3 | 86.2 | 67.9 | 77.0 | 90 | 56 | 68 | 69 | 89 | 74 | .681 | .714 | 4.24 | 1.21 | 7.9 | 6.4 | 6.9 |
| September | 29.035 | 29.230 | 28.820 | 61.6 | 71.1 | 79.6 | 57.7 | 68.6 | 92 | 43 | 56 | 58 | 82 | 64 | .473 | .499 | 2.84 | 1.01 | 3.6 | 2.3 | 3.4 |
| October | 29.061 | 29.310 | 28.570 | 52.4 | 62.6 | 71.2 | 47.7 | 59.4 | 87 | 33 | 46 | 50 | 81 | 64 | .339 | .376 | 1.97 | .99 | 3.7 | 3.5 | 3.8 |
| November | 29.123 | 29.460 | 28.500 | 40.7 | 52.2 | 59.9 | 37.7 | 48.8 | 75 | 20 | 36 | 37 | 83 | 57 | .226 | .240 | 2.55 | .87 | 3.8 | 2.8 | 3.1 |
| December | 29.003 | 29.380 | 28.470 | 33.1 | 41.5 | 48.2 | 29.7 | 39.0 | 68 | 9 | 27 | 30 | 78 | 64 | .157 | .178 | 3.63 | 2.00 | 6.3 | 3.5 | 5.2 |
| Year | 29.005 | 29.520 | 28.290 | 52.5 | 61.5 | 68.9 | 48.3 | 58.6 | 93 | 9 | 46 | 47 | 79 | 61 | .366 | .376 | 44.55 | 2.31 | 5.6 | 4.9 | 5.4 |

KODIAK, ALASKA.

[$\phi$=57° 47′ N.; $\lambda$=152° 22′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.227 | 30.585 | 29.537 | ..... | 30.8 | 36.3 | 25.0 | 30.6 | 51 | 8 | .... | .... | .... | .... | ..... | ..... | 0.06 | 0.06 | .... | .... | .... |
| February | 29.781 | 30.621 | 28.547 | ..... | 32.0 | 36.6 | 25.1 | 30.8 | 43 | 11 | .... | .... | .... | .... | ..... | ..... | 4.07 | 1.25 | .... | .... | .... |
| March | 29.672 | 30.439 | 28.670 | ..... | 31.6 | 36.0 | 23.2 | 29.6 | 52 | 5 | .... | .... | .... | .... | ..... | ..... | 3.38 | .93 | .... | .... | .... |
| April | 29.663 | 30.241 | 28.480 | ..... | 42.3 | 47.3 | 31.9 | 39.6 | 61 | 22 | .... | .... | .... | .... | ..... | ..... | 4.20 | 1.50 | .... | .... | .... |
| May | 29.835 | 30.498 | 29.079 | ..... | 41.4 | 45.7 | 35.4 | 40.6 | 51 | 28 | .... | .... | .... | .... | ..... | ..... | 3.16 | .87 | .... | .... | .... |
| June | 29.754 | 30.017 | 29.386 | ..... | 46.3 | 51.7 | 43.7 | 47.7 | 65 | 39 | .... | .... | .... | .... | ..... | ..... | 4.82 | 1.49 | .... | 7.3 | .... |
| July | 29.922 | 30.260 | 29.614 | ..... | 53.7 | 60.2 | 51.0 | 55.6 | 76 | 45 | .... | .... | .... | .... | ..... | ..... | 2.27 | .73 | .... | 4.7 | .... |
| August | 29.757 | 30.103 | 29.093 | ..... | 52.8 | 58.4 | 50.7 | 54.6 | 76 | 47 | .... | .... | .... | .... | ..... | ..... | 4.95 | 1.20 | .... | 7.3 | .... |
| September | 29.734 | 30.190 | 29.160 | ..... | 50.7 | 55.7 | 49.3 | 52.5 | 64 | 44 | .... | .... | .... | .... | ..... | ..... | 3.25 | .95 | .... | 4.3 | .... |
| October | 29.675 | 30.261 | 29.118 | ..... | 44.2 | 49.9 | 42.8 | 46.4 | 58 | 30 | .... | .... | .... | .... | ..... | ..... | 8.76 | 2.08 | .... | 7.1 | .... |
| November | 29.490 | 30.756 | 28.882 | ..... | 34.4 | 39.4 | 29.3 | 34.4 | 47 | 21 | .... | .... | .... | .... | ..... | ..... | 5.93 | 2.16 | .... | 6.8 | .... |
| December | 29.480 | 30.029 | 28.493 | ..... | 24.9 | 32.8 | 19.4 | 26.1 | 48 | −5 | .... | .... | .... | .... | ..... | ..... | 5.07 | .93 | .... | 4.9 | .... |
| Year | 29.749 | 30.756 | 28.480 | ..... | 40.4 | 45.8 | 35.6 | 40.7 | 76 | −5 | .... | .... | .... | .... | ..... | ..... | 49.92 | 2.16 | .... | .... | .... |

LA CROSSE, WIS.

[$\phi$=43° 49′ N.; $\lambda$=91° 15′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.309 | 29.890 | 28.600 | 14.4 | 18.4 | 26.2 | 7.8 | 17.0 | 50 | −25 | 9 | .... | 77 | .... | 0.084 | ..... | 2.48 | 0.80 | 5.2 | 5.0 | 6.3 |
| February | 29.385 | 29.959 | 28.980 | 12.2 | 19.2 | 24.9 | 10.1 | 17.5 | 51 | −13 | 8 | .... | 83 | .... | .070 | ..... | .90 | .30 | 5.7 | 5.2 | 5.8 |
| March | 29.209 | 29.690 | 28.420 | 24.7 | 34.3 | 40.3 | 23.0 | 31.6 | 60 | 3 | 20 | .... | 80 | .... | .117 | ..... | 1.03 | .48 | 6.5 | 5.8 | 6.2 |
| April | 29.176 | 29.590 | 28.570 | 41.0 | 49.2 | 54.6 | 37.9 | 46.2 | 68 | 20 | 34 | .... | 76 | .... | .203 | ..... | 3.01 | 1.26 | 6.1 | 6.8 | 6.6 |
| May | 29.068 | 29.520 | 28.532 | 53.0 | 62.7 | 68.7 | 48.9 | 58.8 | 85 | 34 | 46 | .... | 78 | .... | .324 | ..... | 3.17 | 1.17 | 5.7 | 6.7 | 6.2 |
| June | 29.075 | 29.450 | 28,580 | 58.0 | 67.2 | 72.3 | 54.2 | 63.2 | 84 | 48 | 53 | .... | 84 | .... | .407 | ..... | 4.30 | 1.00 | 6.1 | 6.3 | 6.6 |
| July | 29.234 | 29.480 | 29.020 | 72.0 | 83.8 | 89.6 | 68.7 | 79.2 | 99 | 58 | 66 | .... | 83 | .... | .658 | ..... | 3.02 | 2.31 | 4.5 | 3.3 | 3.6 |
| August | 29.225 | 29.550 | 28.950 | 65.0 | 76.1 | 83.6 | 61.5 | 72.6 | 97 | 44 | 60 | .... | 85 | .... | .538 | ..... | 4.45 | 2.94 | 5.1 | 3.6 | 4.1 |
| September | 29.199 | 29.550 | 28.700 | 53.7 | 61.3 | 69.5 | 49.9 | 59.7 | 90 | 31 | 50 | .... | 87 | .... | .380 | ..... | 4.75 | 2.10 | 6.6 | 4.9 | 6.2 |
| October | 29.245 | 29.760 | 28.760 | 42.1 | 50.3 | 58.5 | 38.7 | 48.6 | 86 | 28 | 37 | .... | 84 | .... | .230 | ..... | 2.69 | .80 | 4.3 | 4.0 | 5.3 |
| November | 29.263 | 29.760 | 28.666 | 28.8 | 35.7 | 42.1 | 25.9 | 34.0 | 71 | 1 | 26 | .... | 88 | .... | .147 | ..... | 1.61 | .89 | 6.2 | 5.4 | 6.1 |
| December | 29.171 | 29.822 | 28.710 | 11.0 | 16.9 | 23.5 | 6.3 | 14.9 | 57 | −21 | 5 | .... | 75 | .... | .069 | ..... | 1.20 | .34 | 4.5 | 4.4 | 5.4 |
| Year | 29.213 | 29.959 | 28.420 | 39.7 | 47.9 | 54.5 | 36.1 | 45.3 | 99 | −25 | 34 | .... | 82 | .... | .269 | ..... | 32.61 | 2.94 | 5.5 | 5.1 | 5.7 |

LANDER, WYO.

[$\phi$=42° 50′ N.; $\lambda$=108° 45′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 24.474 | 24.900 | 24.037 | 1.4 | 13.2 | 21.8 | −4.6 | 8.6 | 56 | −34 | −4 | 2 | 79 | 58 | 0.041 | 0.051 | 1.03 | 0.91 | 4.2 | 5.4 | 5.1 |
| February | 24.681 | 25.064 | 24.170 | 15.2 | 28.5 | 36.7 | 10.6 | 23.6 | 59 | −23 | 9 | 15 | 74 | 56 | .070 | .093 | .40 | .34 | 3.2 | 4.2 | 3.8 |
| March | 24.580 | 24.950 | 23.980 | 29.4 | 46.8 | 53.0 | 24.0 | 38.5 | 69 | 2 | 19 | 20 | 66 | 40 | .106 | .112 | 1.62 | .96 | 5.9 | 5.4 | 5.1 |
| April | 24.614 | 24.890 | 24.260 | 33.7 | 52.4 | 57.0 | 30.0 | 43.5 | 76 | 17 | 25 | 24 | 70 | 38 | .131 | .127 | .62 | .24 | 6.2 | 5.4 | 5.4 |
| May | 24.538 | 24.764 | 24.250 | 37.7 | 55.6 | 61.6 | 33.8 | 47.7 | 82 | 19 | 28 | 26 | 73 | 40 | .159 | .149 | 1.51 | .73 | 4.2 | 6.4 | 5.1 |
| June | 24.606 | 24.840 | 24.270 | 47.2 | 72.6 | 76.3 | 44.1 | 60.2 | 94 | 31 | 35 | 28 | 65 | 20 | .211 | .153 | .19 | .13 | 2.4 | 3.8 | 3.4 |
| July | 24.692 | 25.000 | 24.330 | 56.5 | 81.5 | 87.9 | 53.6 | 70.8 | 96 | 40 | 41 | 36 | 58 | 23 | .263 | .225 | .33 | .20 | 2.6 | 5.2 | 4.2 |
| August | 24.710 | 24.977 | 24.423 | 52.0 | 76.0 | 82.0 | 49.8 | 65.9 | 95 | 43 | 40 | 38 | 64 | 30 | .248 | .245 | .27 | .14 | 3.6 | 5.1 | 4.1 |
| September | 24.681 | 25.070 | 24.340 | 42.7 | 67.6 | 73.6 | 37.7 | 55.6 | 89 | 28 | 28 | 28 | 58 | 26 | .155 | .154 | .13 | .08 | 2.6 | 3.8 | 3.1 |
| October | 24.679 | 25.040 | 24.144 | 32.0 | 45.0 | 54.6 | 26.1 | 40.4 | 75 | 3 | 24 | 28 | 74 | 54 | .136 | .155 | 1.96 | .76 | 5.5 | 5.4 | 5.4 |
| November | 24.697 | 25.040 | 24.140 | 14.4 | 27.3 | 38.5 | 8.4 | 23.4 | 65 | −25 | 8 | 11 | 73 | 51 | .067 | .077 | .32 | .54 | 3.1 | 4.8 | 4.4 |
| December | 24.464 | 24.800 | 23.968 | 8.5 | 14.8 | 24.7 | −0.4 | 12.2 | 48 | −21 | 2 | 3 | 75 | 58 | .055 | .055 | 1.37 | .44 | 4.0 | 5.9 | 5.5 |
| Year | 24.618 | 25.070 | 23.968 | 30.9 | 48.4 | 55.6 | 26.1 | 40.9 | 96 | −34 | 21 | 22 | 69 | 41 | .137 | .123 | 10.25 | .96 | 4.0 | 5.1 | 4.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

KNOXVILLE, TENN.

[$H_b$=996 ft.; $h_t$=93 ft.; $h_r$=84 feet.; $h_a$=100 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 5.5 | SW. | 32 | SW. | 0 | 10 | 12 | 6 | 1 | 10 | 14 | 6 | 3 | 0 | 6 | 7 | 18 | 13 | 11 | 2 | 1 | 0 | 3 | 3 | 0 | 11 | 1 | 0 |
| February | 6.1 | N. | 27 | SW. | 0 | 11 | 10 | 4 | 0 | 3 | 11 | 10 | 9 | 0 | 10 | 7 | 12 | 8 | 7 | 8 | 3 | 0 | 0 | 2 | 0 | 18 | 0 | 0 |
| March | 7.3 | SW. | 37 | W. | 0 | 4 | 9 | 6 | 1 | 9 | 17 | 6 | 10 | 0 | 11 | 8 | 12 | 9 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 10 | 2 | 0 |
| April | 6.0 | SW. | 26 | SW. | 0 | 5 | 13 | 4 | 1 | 4 | 18 | 10 | 4 | 1 | 9 | 9 | 12 | 13 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| May | 4.7 | SW. | 28 | N. | 0 | 9 | 13 | 6 | 3 | 3 | 22 | 6 | 0 | 0 | 11 | 9 | 11 | 9 | 6 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 1 | 0 |
| June | 4.7 | SW. | 28 | W. | 0 | 9 | 8 | 8 | 1 | 1 | 25 | 6 | 2 | 0 | 6 | 14 | 10 | 12 | 10 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 10 | 0 |
| July | 4.2 | NE. | 27 | E. | 0 | 7 | 24 | 5 | 1 | 5 | 17 | 1 | 2 | 0 | 3 | 15 | 13 | 19 | 14 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 0 |
| August | 3.6 | SW. | 24 | NW. | 0 | 7 | 16 | 4 | 2 | 3 | 21 | 5 | 0 | 4 | 5 | 8 | 18 | 13 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| September | 4.0 | NE. | 20 | SW. | 0 | 7 | 25 | 6 | 0 | 3 | 10 | 3 | 5 | 1 | 18 | 7 | 5 | 7 | 6 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 3 | 0 |
| October | 4.2 | NE. | 23 | W. | 0 | 5 | 31 | 6 | 2 | 1 | 12 | 3 | 0 | 2 | 15 | 9 | 7 | 9 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| November | 4.0 | NE. | 28 | SW. | 0 | 12 | 13 | 11 | 1 | 2 | 12 | 4 | 3 | 2 | 20 | 3 | 7 | 9 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 0 |
| December | 4.8 | NE. | 29 | W. | 0 | 4 | 25 | 4 | 2 | 3 | 12 | 9 | 3 | 0 | 11 | 9 | 11 | 10 | 10 | 6 | 4 | 0 | 0 | 4 | 0 | 18 | 3 | 0 |
| Year | 4.9 | NE. | 37 | W. | 0 | 90 | 199 | 70 | 15 | 47 | 191 | 69 | 41 | 10 | 125 | 105 | 136 | 131 | 107 | 23 | 10 | 3 | 8 | 9 | 10 | 68 | 45 | 0 |

KODIAK, ALASKA.

[$H_b$=6 ft.; $h_t$=— ft.; $h_r$=— ft.; $h_a$=— ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | W. | .... | ..... | .... | 0 | 1 | 0 | 1 | 0 | 1 | 14 | 4 | 10 | .... | .... | .... | 1 | 1 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| February | ..... | W. | .... | ..... | .... | 0 | 1 | 7 | 7 | 0 | 0 | 9 | 5 | 0 | .... | .... | .... | 15 | 9 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| March | ..... | NW. | .... | ..... | .... | 2 | 7 | 0 | 2 | 0 | 1 | 2 | 14 | 3 | .... | .... | .... | 15 | 12 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| April | ..... | NW. | .... | ..... | .... | 1 | 2 | 0 | 0 | 0 | 2 | 5 | 6 | 14 | .... | .... | .... | 13 | 11 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| May | ..... | SE. | .... | ..... | .... | 0 | 2 | 3 | 8 | 0 | 4 | 7 | 2 | 5 | .... | .... | .... | 10 | 10 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| June | ..... | SE. | .... | ..... | .... | 0 | 0 | 0 | 9 | 0 | 1 | 0 | 3 | 13 | .... | .... | .... | 21 | 10 | .... | .... | .... | 1 | .... | .... | .... | .... | .... |
| July | ..... | SE. | .... | ..... | .... | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 4 | 19 | .... | .... | .... | 13 | 8 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| August | ..... | SE. | .... | ..... | .... | 7 | 1 | 1 | 15 | 0 | 2 | 0 | 1 | 4 | .... | .... | .... | 23 | 18 | .... | .... | .... | 2 | .... | .... | .... | .... | .... |
| September | ..... | SE. | .... | ..... | .... | 0 | 4 | 4 | 8 | 1 | 4 | 0 | 0 | 9 | .... | .... | .... | 18 | 12 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| October | ..... | SE. | .... | ..... | .... | 0 | 3 | 1 | 12 | 0 | 4 | 3 | 4 | 4 | .... | .... | .... | 23 | 19 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| November | ..... | NW. | .... | ..... | .... | 1 | 2 | 0 | 6 | 0 | 4 | 5 | 7 | 5 | .... | .... | .... | 13 | 8 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| December | ..... | SW. | .... | ..... | .... | 4 | 0 | 1 | 1 | 0 | 10 | 3 | 5 | 7 | .... | .... | .... | 14 | 14 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Year | ..... | SE. | .... | ..... | .... | 15 | 23 | 17 | 77 | 1 | 33 | 48 | 55 | 93 | .... | .... | .... | 179 | 132 | .... | .... | .... | .... | .... | .... | .... | .... | .... |

LA CROSSE, WIS.

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.0 | S. | 23 | W. | 0 | 1 | 4 | 1 | 0 | 11 | 0 | 5 | 7 | 2 | 10 | 4 | 17 | 11 | 9 | 10 | 4 | 0 | 0 | 17 | 0 | 29 | 0 | 0 |
| February | 5.6 | NW. | 22 | NW. | 0 | 3 | 0 | 1 | 3 | 5 | 1 | 4 | 9 | 3 | 10 | 6 | 13 | 8 | 7 | 14 | 8 | 0 | 0 | 19 | 0 | 28 | 0 | 0 |
| March | 6.6 | NW. | 28 | W. | 0 | 3 | 3 | 3 | 5 | 7 | 0 | 2 | 7 | 1 | 8 | 9 | 14 | 11 | 6 | 9 | 6 | 0 | 1 | 8 | 0 | 24 | 0 | 0 |
| April | 6.7 | S. | 34 | NW. | 0 | 5 | 1 | 1 | 3 | 8 | 2 | 4 | 6 | 0 | 7 | 7 | 16 | 9 | 7 | 2 | 0 | 1 | 0 | 0 | 0 | 7 | 4 | 2 |
| May | 6.4 | S. | 30 | SW. | 0 | 2 | 2 | 1 | 4 | 7 | 6 | 5 | 2 | 2 | 7 | 10 | 14 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 |
| June | 4.8 | NW. | 19 | NW. | 0 | 4 | 2 | 1 | 4 | 4 | 4 | 5 | 6 | 0 | 2 | 18 | 10 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| July | 3.6 | S. | 25 | N. | 0 | 5 | 1 | 2 | 7 | 12 | 2 | 1 | 1 | 0 | 14 | 11 | 6 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 7 | 0 |
| August | 4.2 | S. | 19 | SW. | 0 | 2 | 0 | 1 | 6 | 15 | 2 | 2 | 3 | 0 | 15 | 8 | 8 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 4 | 2 |
| September | 4.5 | S. | 20 | W. | 0 | 2 | 0 | 0 | 7 | 9 | 4 | 7 | 1 | 0 | 9 | 6 | 15 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 0 |
| October | 5.9 | S. | 28 | NW. | 0 | 3 | 0 | 0 | 5 | 10 | 2 | 3 | 8 | 0 | 11 | 11 | 9 | 9 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 1 | 0 |
| November | 5.5 | S. | 24 | NW. | 0 | 6 | 1 | 0 | 5 | 9 | 5 | 0 | 4 | 0 | 9 | 6 | 15 | 8 | 8 | 6 | 3 | 0 | 0 | 8 | 0 | 21 | 0 | 0 |
| December | 5.4 | W. | 20 | SW. | 0 | 2 | 0 | 0 | 6 | 3 | 8 | 9 | 3 | 0 | 12 | 7 | 12 | 9 | 8 | 13 | 9 | 0 | 1 | 23 | 0 | 30 | 0 | 0 |
| Year | 5.5 | S. | 34 | NW. | 0 | 38 | 14 | 11 | 55 | 100 | 36 | 47 | 57 | 8 | 114 | 103 | 149 | 117 | 90 | 54 | 30 | 1 | 3 | 75 | 22 | 146 | 43 | 4 |

LANDER, WYO.

[$H_b$=5,372 ft.; $h_t$=60 ft.; $h_r$=54 ft.; $h_a$=68 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 5.1 | E. | 48 | W. | 1 | 4 | 3 | 10 | 3 | 4 | 16 | 17 | 2 | 3 | 8 | 15 | 8 | 6 | 4 | 7 | 6 | 0 | 0 | 20 | 0 | 31 | 0 | 0 |
| February | 4.0 | E. | 56 | W. | 1 | 2 | 11 | 13 | 2 | 1 | 11 | 13 | 3 | 2 | 12 | 15 | 2 | 3 | 2 | 3 | 3 | 0 | 0 | 7 | 0 | 29 | 0 | 0 |
| March | 7.2 | W. | 58 | W. | 3 | 3 | 4 | 7 | 7 | 4 | 9 | 19 | 8 | 1 | 13 | 10 | 8 | 6 | 5 | 7 | 6 | 0 | 0 | 2 | 0 | 24 | 0 | 0 |
| April | 6.1 | W. | 48 | SW. | 1 | 0 | 7 | 7 | 6 | 5 | 11 | 11 | 12 | 1 | 8 | 16 | 6 | 6 | 4 | 8 | 6 | 0 | 0 | 0 | 0 | 18 | 0 | 0 |
| May | 7.1 | W. | 44 | SW. | 4 | 3 | 6 | 2 | 4 | 2 | 11 | 21 | 13 | 0 | 9 | 16 | 6 | 10 | 7 | 6 | 4 | 0 | 0 | 0 | 0 | 16 | 1 | 0 |
| June | 6.0 | W. | 32 | W. | 0 | 8 | 6 | 3 | 2 | 3 | 18 | 12 | 8 | 0 | 19 | 10 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 |
| July | 5.4 | SW. | 34 | SW. | 0 | 4 | 2 | 4 | 2 | 7 | 20 | 13 | 10 | 0 | 13 | 17 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 6 | 0 |
| August | 5.3 | SW. | 42 | SW. | 1 | 3 | 9 | 2 | 5 | 3 | 11 | 14 | 14 | 1 | 14 | 13 | 4 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 |
| September | 5.3 | SW. | 32 | N. | 0 | 2 | 5 | 4 | 1 | 3 | 20 | 19 | 5 | 1 | 20 | 7 | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 5 | 3 | 0 |
| October | 4.5 | SW. | 34 | SW. | 0 | 4 | 7 | 1 | 7 | 6 | 17 | 13 | 6 | 1 | 12 | 9 | 10 | 8 | 7 | 6 | 6 | 0 | 0 | 1 | 0 | 23 | 0 | 0 |
| November | 3.9 | SW. | 44 | SW. | 1 | 3 | 4 | 7 | 3 | 4 | 17 | 16 | 5 | 1 | 13 | 13 | 4 | 2 | 2 | 4 | 2 | 0 | 1 | 10 | 0 | 30 | 0 | 0 |
| December | 4.2 | SW. | 44 | W. | 1 | 5 | 7 | 7 | 4 | 6 | 17 | 11 | 4 | 1 | 8 | 14 | 9 | 8 | 7 | 10 | 8 | 0 | 2 | 19 | 0 | 31 | 0 | 0 |
| Year | 5.3 | W. | 58 | W. | 13 | 41 | 71 | 67 | 46 | 48 | 178 | 179 | 90 | 12 | 149 | 155 | 62 | 66 | 46 | 52 | 42 | 0 | 3 | 59 | 15 | 208 | 18 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

LANSING, MICH.

[$\phi$=42° 44′ N.; $\lambda$=84° 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 | 29.135 | 29.630 | 28.450 | 26.3 | 27.8 | 35.3 | 19.8 | 27.6 | 61 | — 2 | 23 | 23 | 86 | 81 | 0.138 | 0.142 | 3.11 | 0.86 | 8.6 | 6.6 | 8.1 |
| February | 29.136 | 29.710 | 28.570 | 16.4 | 19.7 | 27.0 | 11.5 | 19.2 | 43 | —14 | 13 | 15 | 86 | 79 | .083 | .087 | .69 | .13 | 7.9 | 5.7 | 7.6 |
| March | 29.004 | 29.490 | 28.164 | 21.2 | 28.5 | 35.5 | 17.0 | 26.2 | 67 | — 4 | 18 | 23 | 85 | 79 | .106 | .135 | 3.09 | 1.33 | 6.3 | 5.9 | 6.9 |
| April | 28.995 | 29.290 | 28.599 | 40.7 | 46.4 | 55.7 | 35.7 | 45.7 | 78 | 23 | 35 | 37 | 80 | 70 | .210 | .230 | 1.91 | .48 | 6.2 | 6.4 | 6.4 |
| May | 28.962 | 29.393 | 28.460 | 53.5 | 58.8 | 66.7 | 46.4 | 56.6 | 83 | 35 | 46 | 47 | 76 | 68 | .319 | .347 | 5.13 | 1.80 | 5.7 | 6.5 | 6.2 |
| June | 28.944 | 29.389 | 28.460 | 58.5 | 64.2 | 71.4 | 51.3 | 61.4 | 81 | 41 | 52 | 55 | 80 | 71 | .398 | .432 | 5.39 | 1.58 | 6.4 | 5.4 | 6.3 |
| July | 29.081 | 29.303 | 28.780 | 71.3 | 78.9 | 89.5 | 62.7 | 76.1 | 102 | 52 | 64 | 65 | 77 | 64 | .600 | .635 | .09 | .05 | 2.2 | 1.8 | 2.2 |
| August | 29.083 | 29.355 | 28.770 | 64.8 | 72.6 | 84.2 | 57.9 | 71.0 | 98 | 41 | 60 | 62 | 84 | 70 | .531 | .581 | 1.58 | .63 | 2.5 | 3.5 | 3.9 |
| September | 29.083 | 29.407 | 28.700 | 54.5 | 60.5 | 72.3 | 48.4 | 60.4 | 88 | 30 | 49 | 50 | 82 | 69 | .365 | .389 | 2.17 | 1.34 | 5.8 | 3.5 | 5.4 |
| October | 29.117 | 29.500 | 28.320 | 43.1 | 49.0 | 61.3 | 38.1 | 49.7 | 84 | 29 | 39 | 40 | 86 | 74 | .247 | .261 | 2.53 | .78 | 5.0 | 4.0 | 5.0 |
| November | 29.096 | 29.540 | 28.130 | 34.0 | 38.6 | 47.5 | 30.0 | 38.8 | 71 | 15 | 30 | 32 | 86 | 76 | .177 | .187 | 1.68 | .65 | 6.7 | 5.2 | 6.9 |
| December | 28.994 | 29.530 | 28.580 | 20.2 | 23.3 | 30.9 | 14.5 | 22.7 | 59 | — 7 | 17 | 20 | 87 | 86 | .108 | .117 | 2.11 | .86 | 7.0 | 6.9 | 7.2 |
| Year | 29.052 | 29.710 | 28.130 | 42.0 | 47.4 | 56.4 | 36.1 | 46.3 | 102 | —14 | 37 | 39 | 83 | 74 | .274 | .295 | 29.48 | 1.80 | 5.9 | 5.1 | 6.0 |

LEWISTON, IDAHO.

[$\phi$=46° 25′ N.; $\lambda$=117° 2′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.155 | 29.950 | 28.640 | 14.1 | ..... | 25.5 | 10.0 | 17.8 | 57 | —13 | 10 | .... | 83 | .... | 0.078 | ..... | 1.65 | 0.52 | 6.3 | ..... | 7.1 |
| February | 29.353 | 29.720 | 28.720 | 30.7 | ..... | 41.0 | 28.4 | 34.7 | 52 | 4 | 28 | .... | 89 | .... | .159 | ..... | 2.48 | .84 | 6.6 | ..... | 7.5 |
| March | 29.211 | 29.700 | 28.590 | 39.2 | ..... | 55.3 | 37.6 | 46.4 | 70 | 28 | 36 | .... | 87 | .... | .211 | ..... | 2.63 | .68 | 6.9 | ..... | 7.9 |
| April | 29.262 | 29.650 | 28.830 | 42.6 | ..... | 64.2 | 40.3 | 52.2 | 82 | 33 | 36 | .... | 79 | .... | .216 | ..... | .84 | .25 | 6.1 | ..... | 6.0 |
| May | 29.158 | 29.560 | 28.650 | 45.1 | ..... | 67.4 | 43.5 | 55.4 | 82 | 33 | 38 | .... | 78 | .... | .237 | ..... | 1.47 | .63 | 5.5 | ..... | 6.8 |
| June | 29.159 | 29.410 | 28.680 | 53.7 | ..... | 77.9 | 51.0 | 64.4 | 104 | 43 | 46 | .... | 75 | .... | .313 | ..... | 1.91 | .79 | 5.3 | ..... | 5.2 |
| July | 29.145 | 29.380 | 28.810 | 59.0 | ..... | 84.3 | 56.3 | 70.3 | 98 | 47 | 50 | .... | 73 | .... | .364 | ..... | 1.42 | .73 | 3.9 | ..... | 3.0 |
| August | 29.135 | 29.430 | 28.830 | 56.9 | ..... | 88.8 | 55.8 | 72.3 | 100 | 45 | 49 | .... | 75 | .... | .349 | ..... | 1.41 | .94 | 1.8 | ..... | 2.1 |
| September | 29.183 | 29.530 | 28.760 | 49.9 | ..... | 78.4 | 47.5 | 63.0 | 96 | 36 | 44 | .... | 82 | .... | .294 | ..... | .45 | .21 | 3.2 | ..... | 3.8 |
| October | 29.315 | 29.650 | 28.780 | 36.1 | ..... | 63.9 | 33.9 | 48.9 | 77 | 25 | 31 | .... | 82 | .... | .176 | ..... | .27 | .19 | 2.4 | ..... | 3.6 |
| November | 29.428 | 30.040 | 28.797 | 30.6 | ..... | 45.5 | 28.4 | 37.0 | 62 | 9 | 26 | .... | 81 | .... | .148 | ..... | 1.37 | .62 | 4.7 | ..... | 6.5 |
| December | 29.231 | 29.780 | 28.510 | 27.6 | ..... | 36.2 | 24.2 | 30.2 | 53 | 4 | 22 | .... | 79 | .... | .119 | ..... | 1.59 | .31 | 6.4 | ..... | 8.0 |
| Year | 29.228 | 30.040 | 28.510 | 40.5 | ..... | 60.7 | 38.1 | 49.4 | 104 | —13 | 35 | .... | 80 | .... | .222 | ..... | 17.49 | .94 | 4.9 | ..... | 5.6 |

LEXINGTON, KY.

[$\phi$=38° 02′ N.; $\lambda$=84° 33′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.135 | 29.500 | 28.630 | 37.2 | ..... | 48.8 | 30.6 | 39.7 | 69 | — 4 | 33 | .... | 86 | .... | 0.225 | ..... | 5.65 | 0.95 | 7.0 | ..... | 6.9 |
| February | 29.046 | 29.570 | 28.550 | 29.6 | ..... | 41.7 | 23.8 | 32.8 | 63 | 2 | 25 | .... | 84 | .... | .146 | ..... | 3.40 | 1.61 | 7.1 | ..... | 6.6 |
| March | 28.890 | 29.320 | 28.120 | 37.2 | ..... | 51.2 | 31.1 | 41.2 | 76 | 9 | 32 | .... | 80 | .... | .197 | ..... | 3.30 | 1.35 | 5.7 | ..... | 6.0 |
| April | 28.913 | 29.170 | 28.570 | 48.9 | ..... | 60.9 | 43.8 | 52.4 | 79 | 29 | 43 | .... | 80 | .... | .284 | ..... | 1.01 | .35 | 6.8 | ..... | 6.1 |
| May | 28.909 | 29.176 | 28.650 | 62.2 | ..... | 76.4 | 57.7 | 67.0 | 89 | 44 | 52 | .... | 71 | .... | .408 | ..... | 2.92 | 1.07 | 5.0 | ..... | 4.6 |
| June | 28.859 | 29.190 | 28.400 | 65.6 | ..... | 77.7 | 60.2 | 69.0 | 90 | 54 | 58 | .... | 77 | .... | .493 | ..... | 5.33 | 2.05 | 4.3 | ..... | 5.2 |
| July | 28.945 | 29.160 | 28.750 | 73.4 | ..... | 87.2 | 68.8 | 78.0 | 94 | 62 | 67 | .... | 80 | .... | .658 | ..... | 1.72 | .93 | 3.2 | ..... | 4.1 |
| August | 28.992 | 29.170 | 28.810 | 71.0 | ..... | 84.3 | 67.6 | 76.0 | 93 | 54 | 66 | .... | 86 | .... | .659 | ..... | 2.34 | 1.44 | 4.2 | ..... | 4.2 |
| September | 29.038 | 29.250 | 28.790 | 60.6 | ..... | 76.0 | 57.4 | 66.7 | 89 | 39 | 54 | .... | 80 | .... | .439 | ..... | 2.75 | 1.25 | 3.2 | ..... | 2.6 |
| October | 29.054 | 29.340 | 28.480 | 51.1 | ..... | 68.2 | 47.0 | 57.6 | 88 | 33 | 44 | .... | 78 | .... | .305 | ..... | 2.04 | 1.35 | 3.4 | ..... | 3.2 |
| November | 29.098 | 29.400 | 28.420 | 42.4 | ..... | 56.7 | 38.0 | 47.4 | 76 | 14 | 35 | .... | 76 | .... | .219 | ..... | 1.25 | .70 | 3.6 | ..... | 3.0 |
| December | 28.984 | 29.430 | 28.500 | 31.6 | ..... | 42.5 | 25.5 | 34.0 | 66 | 2 | 26 | .... | 80 | .... | .154 | ..... | 3.63 | .80 | 6.1 | ..... | 5.4 |
| Year | 28.989 | 29.570 | 28.120 | 50.9 | ..... | 64.3 | 46.0 | 55.2 | 94 | — 4 | 45 | .... | 80 | .... | .349 | ..... | 35.34 | 2.05 | 5.0 | ..... | 4.8 |

LINCOLN, NEBR.

[$\phi$=40° 49′ N.; $\lambda$=96° 45′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.850 | 29.410 | 28.110 | 14.4 | 19.2 | 26.8 | 9.8 | 18.3 | 59 | —21 | 12 | 14 | 87 | 79 | 0.089 | 0.101 | 1.44 | 0.67 | 6.9 | 3.9 | 5.6 |
| February | 28.915 | 29.440 | 28.490 | 18.7 | 28.3 | 33.8 | 14.6 | 24.2 | 62 | —15 | 16 | 22 | 91 | 77 | .100 | .128 | .35 | .18 | 4.8 | 2.8 | 4.4 |
| March | 28.677 | 29.210 | 27.950 | 31.8 | 45.4 | 53.2 | 29.2 | 41.2 | 81 | — 1 | 27 | 30 | 80 | 57 | .150 | .178 | .99 | .88 | 5.6 | 5.2 | 5.0 |
| April | 28.713 | 29.042 | 28.050 | 41.6 | 54.7 | 59.6 | 38.8 | 49.2 | 86 | 24 | 36 | 35 | 82 | 50 | .223 | .207 | 2.69 | 1.83 | 6.8 | 4.9 | 6.8 |
| May | 28.568 | 28.910 | 28.110 | 53.9 | 68.0 | 74.1 | 50.3 | 62.2 | 94 | 32 | 46 | 48 | 75 | 54 | .321 | .367 | 3.48 | 1.75 | 5.5 | 5.0 | 5.2 |
| June | 28.629 | 28.900 | 28.340 | 60.3 | 74.2 | 79.0 | 56.6 | 67.8 | 94 | 46 | 55 | 55 | 82 | 54 | .444 | .459 | 3.11 | .78 | 5.0 | 4.2 | 4.6 |
| July | 28.712 | 28.960 | 28.470 | 72.4 | 88.6 | 94.8 | 69.4 | 82.1 | 100 | 58 | 64 | 64 | 76 | 46 | .697 | .602 | 1.29 | 1.02 | 2.8 | 1.8 | 2.5 |
| August | 28.712 | 28.980 | 28.360 | 67.7 | 80.8 | 86.7 | 64.8 | 75.8 | 101 | 48 | 61 | 63 | 79 | 57 | .547 | .595 | 6.70 | 1.95 | 5.2 | 3.4 | 4.2 |
| September | 28.722 | 29.080 | 28.210 | 55.2 | 69.8 | 77.9 | 52.7 | 65.3 | 97 | 29 | 48 | 50 | 79 | 52 | .370 | .398 | 1.03 | .44 | 3.1 | 3.0 | 3.4 |
| October | 28.758 | 29.280 | 28.320 | 45.2 | 57.9 | 65.6 | 42.8 | 54.2 | 92 | 18 | 35 | 38 | 71 | 51 | .216 | .244 | 1.11 | .50 | 4.1 | 3.3 | 4.0 |
| November | 28.800 | 29.250 | 28.280 | 33.3 | 42.4 | 50.4 | 29.8 | 40.1 | 78 | 2 | 26 | 28 | 73 | 58 | .149 | .160 | .38 | .20 | 3.2 | 2.2 | 3.6 |
| December | 28.695 | 29.230 | 28.160 | 16.5 | 24.9 | 33.3 | 11.1 | 22.2 | 66 | —15 | 9 | 14 | 72 | 62 | .075 | .092 | .48 | .22 | 2.9 | 2.4 | 4.2 |
| Year | 28.729 | 29.440 | 27.950 | 42.6 | 54.5 | 61.3 | 39.2 | 50.2 | 101 | —21 | 36 | 38 | 79 | 58 | .274 | .294 | 23.05 | 1.95 | 4.7 | 3.7 | 4.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

LANSING, MICH.

[$H_b$=878 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=62 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 9.5 | S. | 31 | W. | 0 | 2 | 3 | 5 | 3 | 18 | 8 | 15 | 8 | 0 | 4 | 5 | 22 | 20 | 12 | 16 | 9 | 0 | 0 | 12 | 0 | 25 | 0 | 0 |
| February | 7.4 | W. | 26 | NW. | 0 | 6 | 9 | 2 | 1 | 7 | 10 | 12 | 11 | 0 | 4 | 5 | 20 | 19 | 5 | 20 | 17 | 0 | 0 | 22 | 0 | 29 | 0 | 1 |
| March | 7.9 | NE. | 31 | NW. | 0 | 11 | 11 | 4 | 8 | 6 | 10 | 3 | 9 | 0 | 4 | 9 | 18 | 18 | 11 | 17 | 14 | 0 | 4 | 16 | 0 | 26 | 2 | 1 |
| April | 8.0 | NW. | 30 | NW. | 0 | 6 | 5 | 8 | 6 | 3 | 11 | 9 | 12 | 0 | 8 | 9 | 13 | 16 | 10 | 2 | 1 | 0 | 0 | 0 | 0 | 10 | 6 | 2 |
| May | 6.9 | SW. | 28 | NW. | 0 | 5 | 3 | 7 | 9 | 6 | 12 | 12 | 7 | 1 | 7 | 9 | 15 | 16 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| June | 5.3 | SW. | 21 | E. | 0 | 7 | 4 | 7 | 8 | 10 | 7 | 9 | 7 | 1 | 4 | 16 | 10 | 18 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| July | 3.4 | E. | 21 | NW. | 0 | 8 | 13 | 11 | 10 | 3 | 8 | 2 | 6 | 1 | 23 | 8 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 7 | 0 |
| August | 3.8 | SW. | 19 | W. | 0 | 6 | 3 | 5 | 2 | 5 | 19 | 7 | 15 | 0 | 16 | 10 | 5 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 7 | 1 |
| September | 5.4 | SW. | 20 | SW. | 0 | 6 | 2 | 1 | 6 | 8 | 15 | 11 | 10 | 1 | 8 | 15 | 7 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 0 |
| October | 6.5 | SW. | 30 | NW. | 0 | 2 | 3 | 6 | 11 | 12 | 12 | 10 | 6 | 0 | 13 | 7 | 11 | 12 | 10 | 1 | 1 | 0 | 0 | 0 | 0 | 9 | 0 | 1 |
| November | 7.8 | SW. | 26 | NW. | 0 | 2 | 3 | 6 | 4 | 9 | 17 | 11 | 7 | 1 | 6 | 5 | 19 | 11 | 8 | 7 | 3 | 0 | 1 | 4 | 0 | 18 | 1 | 0 |
| December | 6.2 | W. | 22 | W. | 0 | 3 | 0 | 3 | 9 | 9 | 15 | 13 | 8 | 2 | 8 | 2 | 21 | 17 | 12 | 19 | 12 | 0 | 0 | 18 | 0 | 26 | 1 | 0 |
| Year | 6.5 | SW. | 31 | W. | 0 | 64 | 59 | 65 | 77 | 96 | 144 | 114 | 106 | 7 | 105 | 100 | 161 | 167 | 109 | 82 | 57 | 0 | 5 | 72 | 21 | 146 | 46 | 6 |

LEWISTON, IDAHO.

[$H_b$=757 ft.; $h_t$=40 ft.; $h_r$=32 ft.; $h_a$=48 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 3.2 | E. | 28 | S. | 0 | 2 | 3 | 12 | 2 | 1 | 3 | 1 | 1 | 6 | 4 | 7 | 20 | 13 | 11 | 16 | 11 | 0 | 0 | 21 | 0 | 27 | 1 | 0 |
| February | 3.2 | E. | 28 | SW. | 0 | 3 | 4 | 11 | 1 | 1 | 3 | 2 | 1 | 3 | 3 | 8 | 18 | 15 | 9 | 8 | 7 | 0 | 2 | 5 | 0 | 14 | 0 | 0 |
| March | 4.2 | E. | 26 | W. | 0 | 1 | 8 | 10 | 1 | 1 | 2 | 4 | 1 | 3 | 3 | 8 | 20 | 18 | 14 | 3 | 3 | 0 | 0 | 0 | 0 | 4 | 2 | 0 |
| April | 3.8 | E. | 26 | W. | 0 | 0 | 4 | 10 | 4 | 2 | 1 | 2 | 3 | 4 | 8 | 10 | 12 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 4.1 | NE. | 42 | W. | 1 | 0 | 7 | 7 | 3 | 4 | 3 | 2 | 0 | 5 | 5 | 9 | 17 | 15 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| June | 3.4 | NE. | 24 | NW. | 0 | 0 | 5 | 5 | 3 | 0 | 3 | 3 | 1 | 10 | 9 | 11 | 10 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 0 |
| July | 3.4 | E. | 34 | W. | 0 | 1 | 7 | 12 | 2 | 1 | 0 | 3 | 1 | 4 | 18 | 10 | 3 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 4 | 0 |
| August | 2.5 | E. | 18 | NW. | 0 | 1 | 5 | 14 | 6 | 0 | 1 | 0 | 0 | 4 | 22 | 7 | 2 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 1 | 0 |
| September | 2.8 | E. | 22 | W. | 0 | 2 | 3 | 7 | 1 | 3 | 4 | 2 | 2 | 6 | 17 | 5 | 8 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 0 |
| October | 2.1 | W. | 18 | W. | 0 | 4 | 1 | 5 | 1 | 4 | 2 | 0 | 1 | 13 | 18 | 6 | 7 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 13 | 0 | 0 |
| November | 3.0 | E. | 22 | W. | 0 | 0 | 3 | 8 | 3 | 5 | 2 | 7 | 1 | 1 | 7 | 7 | 16 | 10 | 6 | 3 | 2 | 0 | 0 | 2 | 0 | 16 | 0 | 0 |
| December | 2.8 | E. | 26 | W. | 0 | 5 | 5 | 5 | 4 | 2 | 2 | 4 | 3 | 1 | 2 | 8 | 21 | 14 | 13 | 9 | 8 | 0 | 0 | 9 | 0 | 28 | 0 | 0 |
| Year | 3.2 | E. | 42 | W. | 1 | 19 | 55 | 106 | 31 | 24 | 26 | 30 | 15 | 60 | 116 | 96 | 154 | 130 | 94 | 39 | 31 | 1 | 3 | 37 | 31 | 102 | 18 | 0 |

LEXINGTON, KY.

[$H_b$=989 ft.; $h_t$=193 ft.; $h_r$=187 ft.; $h_a$=230 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 17.2 | S. | 52 | SW. | 6 | 1 | 2 | 2 | 3 | 8 | 7 | 4 | 4 | 0 | 7 | 7 | 17 | 18 | 15 | 5 | 4 | 0 | 0 | 5 | 0 | 14 | 1 | 0 |
| February | 14.2 | SW. | 44 | NW. | 1 | 3 | 3 | 0 | 5 | 1 | 8 | 2 | 7 | 0 | 8 | 4 | 17 | 11 | 8 | 9 | 4 | 0 | 2 | 9 | 0 | 22 | 0 | 0 |
| March | 15.2 | SW. | 62 | NW. | 3 | 2 | 3 | 4 | 4 | 3 | 8 | 3 | 4 | 0 | 10 | 5 | 16 | 14 | 12 | 5 | 4 | 0 | 1 | 4 | 0 | 19 | 5 | 0 |
| April | 14.9 | SW. | 56 | W. | 1 | 0 | 4 | 2 | 3 | 2 | 11 | 2 | 6 | 0 | 6 | 13 | 11 | 10 | 4 | 3 | 3 | 2 | 0 | 0 | 0 | 4 | 2 | 0 |
| May | 13.2 | SW. | 48 | SW. | 4 | 2 | 7 | 3 | 4 | 1 | 14 | 5 | 7 | 0 | 13 | 11 | 7 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| June | 11.9 | SW. | 46 | SW. | 2 | 0 | 2 | 3 | 6 | 2 | 10 | 5 | 2 | 0 | 9 | 13 | 8 | 12 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 0 |
| July | 9.4 | SW. | 36 | NE. | 0 | 0 | 5 | 5 | 5 | 4 | 7 | 4 | 1 | 0 | 15 | 10 | 6 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 | 0 |
| August | 9.3 | SW. | 38 | W. | 0 | 2 | 3 | 4 | 4 | 2 | 12 | 3 | 1 | 0 | 16 | 10 | 5 | 10 | 6 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 7 | 0 |
| September | 11.8 | SW. | 39 | SW. | 0 | 0 | 5 | 3 | 2 | 7 | 7 | 2 | 4 | 0 | 21 | 5 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| October | 12.7 | SE. | 46 | SW. | 1 | 0 | 4 | 2 | 9 | 7 | 5 | 4 | 0 | 0 | 21 | 3 | 7 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 15.4 | SW. | 50 | SW. | 2 | 0 | 0 | 1 | 3 | 6 | 12 | 4 | 4 | 0 | 20 | 3 | 7 | 6 | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 9 | 0 | 0 |
| December | 15.8 | SW. | 44 | W. | 4 | 1 | 3 | 2 | 6 | 6 | 6 | 6 | 1 | 0 | 12 | 7 | 12 | 16 | 10 | 10 | 9 | 1 | 1 | 8 | 0 | 22 | 3 | 0 |
| Year | 13.4 | SW. | 62 | NW. | 24 | 11 | 41 | 31 | 54 | 49 | 107 | 44 | 41 | 0 | 158 | 91 | 117 | 129 | 96 | 34 | 24 | 4 | 7 | 27 | 17 | 90 | 46 | 0 |

LINCOLN, NEBR.

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.5 | N. | 41 | NW. | 2 | 17 | 4 | 0 | 7 | 13 | 5 | 5 | 11 | 0 | 9 | 11 | 11 | 12 | 6 | 15 | 10 | 0 | 1 | 18 | 0 | 30 | 1 | 0 |
| February | 9.1 | N. | 42 | NW. | 1 | 16 | 6 | 5 | 6 | 8 | 7 | 3 | 6 | 1 | 13 | 8 | 8 | 4 | 4 | 7 | 4 | 0 | 0 | 14 | 0 | 27 | 0 | 0 |
| March | 13.0 | N. | 54 | NW. | 4 | 16 | 8 | 5 | 12 | 9 | 1 | 4 | 7 | 0 | 11 | 11 | 9 | 6 | 3 | 5 | 4 | 1 | 1 | 3 | 0 | 19 | 1 | 0 |
| April | 10.8 | N. | 40 | NW. | 2 | 14 | 13 | 1 | 5 | 11 | 3 | 4 | 9 | 0 | 5 | 12 | 13 | 10 | 9 | 3 | 3 | 1 | 0 | 0 | 0 | 7 | 4 | 0 |
| May | 11.6 | S. | 46 | W. | 2 | 7 | 6 | 3 | 13 | 14 | 2 | 12 | 5 | 0 | 13 | 7 | 11 | 12 | 9 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 8 | 0 |
| June | 9.9 | N. | 42 | NW. | 2 | 14 | 6 | 7 | 12 | 10 | 1 | 2 | 8 | 0 | 12 | 12 | 6 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 |
| July | 8.4 | S. | 38 | SE. | 0 | 3 | 3 | 4 | 14 | 33 | 3 | 0 | 1 | 1 | 22 | 8 | 1 | 6 | 4 | 0 | 0 | 1 | 0 | 0 | 27 | 0 | 11 | 0 |
| August | 9.0 | SE. | 38 | W. | 0 | 7 | 10 | 6 | 17 | 16 | 2 | 1 | 3 | 0 | 14 | 12 | 5 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 9 | 0 |
| September | 10.5 | S. | 40 | N. | 1 | 9 | 8 | 3 | 12 | 16 | 3 | 3 | 6 | 0 | 17 | 10 | 3 | 5 | 5 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 4 | 0 |
| October | 12.0 | S. | 37 | S. | 0 | 7 | 12 | 4 | 7 | 17 | 4 | 5 | 6 | 0 | 15 | 10 | 6 | 4 | 3 | 1 | 1 | 0 | 2 | 0 | 1 | 4 | 0 | 0 |
| November | 11.4 | N. | 39 | NW. | 0 | 15 | 4 | 4 | 3 | 14 | 4 | 7 | 9 | 0 | 19 | 5 | 6 | 4 | 2 | 4 | 3 | 0 | 0 | 3 | 0 | 21 | 1 | 0 |
| December | 10.5 | N. | 44 | NW. | 1 | 12 | 5 | 2 | 8 | 9 | 11 | 3 | 12 | 0 | 15 | 10 | 6 | 8 | 4 | 7 | 6 | 0 | 0 | 18 | 0 | 27 | 1 | 0 |
| Year | 10.7 | S. | 54 | NW. | 15 | 137 | 85 | 44 | 116 | 170 | 46 | 49 | 83 | 2 | 165 | 116 | 85 | 90 | 65 | 42 | 31 | 4 | 6 | 56 | 52 | 136 | 48 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

LITTLE ROCK, ARK.

[$\phi$=34° 45′ N.; $\lambda$=92° 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 | 29.795 | 30.250 | 29.240 | 42.9 | 46.6 | 53.9 | 36.4 | 45.2 | 75 | 10 | 39 | 38 | 85 | 73 | 0.273 | 0.265 | 8.45 | 2.46 | 7.5 | 5.9 | 7.3 |
| February | 29.808 | 30.280 | 29.330 | 37.3 | 48.3 | 53.1 | 34.8 | 44.0 | 78 | 16 | 33 | 35 | 83 | 64 | .195 | .220 | 2.05 | .76 | 4.8 | 3.7 | 4.5 |
| March | 29.611 | 30.098 | 29.100 | 47.2 | 60.1 | 65.7 | 43.9 | 54.8 | 86 | 30 | 38 | 40 | 72 | 51 | .245 | .269 | 1.59 | 1.11 | 5.2 | 4.6 | 4.7 |
| April | 29.619 | 29.970 | 29.170 | 54.2 | 65.2 | 69.7 | 51.6 | 60.6 | 83 | 35 | 47 | 46 | 76 | 52 | .330 | .326 | 2.61 | 1.14 | 5.1 | 5.1 | 5.1 |
| May | 29.540 | 29.710 | 29.290 | 66.0 | 78.0 | 82.0 | 62.5 | 72.2 | 92 | 49 | 58 | 58 | 77 | 52 | .503 | .498 | 1.49 | .74 | 3.6 | 3.6 | 3.5 |
| June | 29.527 | 29.770 | 29.010 | 71.0 | 79.6 | 85.2 | 67.9 | 76.6 | 93 | 55 | 64 | 65 | 79 | 63 | .609 | .627 | 3.00 | 1.32 | 5.6 | 5.0 | 5.4 |
| July | 29.559 | 29.800 | 29.390 | 77.0 | 87.0 | 92.5 | 74.6 | 83.6 | 99 | 71 | 69 | 69 | 78 | 57 | .718 | .722 | .44 | .15 | 2.9 | 5.2 | 3.9 |
| August | 29.637 | 29.820 | 29.440 | 74.3 | 83.8 | 90.8 | 71.8 | 81.3 | 98 | 64 | 70 | 72 | 86 | 68 | .739 | .779 | 3.59 | 1.31 | 4.2 | 4.4 | 4.3 |
| September | 29.670 | 30.000 | 29.340 | 65.5 | 76.2 | 82.1 | 63.6 | 72.8 | 94 | 45 | 59 | 60 | 82 | 60 | .542 | .555 | 1.95 | 1.28 | 3.4 | 2.7 | 3.3 |
| October | 29.705 | 30.030 | 29.191 | 54.4 | 68.4 | 74.3 | 52.3 | 63.3 | 87 | 35 | 48 | 50 | 78 | 54 | .355 | .383 | 2.92 | 2.53 | 2.7 | 2.2 | 2.7 |
| November | 29.785 | 30.200 | 29.300 | 45.5 | 57.8 | 64.0 | 43.0 | 53.5 | 82 | 22 | 38 | 40 | 74 | 52 | .248 | .264 | 2.12 | .75 | 2.7 | 1.8 | 3.2 |
| December | 29.661 | 30.090 | 29.110 | 38.1 | 46.2 | 52.7 | 34.2 | 43.4 | 76 | 11 | 32 | 33 | 77 | 62 | .202 | .211 | 2.17 | 1.04 | 5.3 | 4.4 | 5.7 |
| Year | 29.660 | 30.280 | 29.010 | 56.1 | 66.4 | 72.2 | 53.0 | 62.6 | 99 | 10 | 50 | 50 | 79 | 59 | .413 | .427 | 32.38 | 2.53 | 4.4 | 4.0 | 4.5 |

LOS ANGELES, CAL.

[$\phi$=34° 3′ N.; $\lambda$=118° 15′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.664 | 30.130 | 29.221 | 47.9 | 53.4 | 56.6 | 44.9 | 50.8 | 64 | 38 | 45 | 46 | 89 | 78 | 0.303 | 0.319 | 13.30 | 4.20 | 5.4 | 7.2 | 6.8 |
| February | 29.719 | 30.140 | 29.496 | 52.7 | 61.5 | 67.9 | 49.5 | 58.7 | 88 | 39 | 46 | 49 | 81 | 68 | .317 | .358 | 1.82 | 1.13 | 4.6 | 4.6 | 4.7 |
| March | 29.654 | 29.880 | 29.390 | 55.3 | 65.7 | 71.8 | 52.2 | 62.0 | 96 | 45 | 46 | 47 | 75 | 56 | .319 | .332 | .90 | .53 | 2.9 | 2.7 | 3.8 |
| April | 29.617 | 29.820 | 29.380 | 54.8 | 66.2 | 71.8 | 52.9 | 62.4 | 84 | 49 | 49 | 49 | 83 | 56 | .352 | .351 | 0 | 0 | 5.3 | 1.7 | 3.0 |
| May | 29.576 | 29.720 | 29.409 | 54.4 | 65.0 | 70.1 | 52.5 | 61.3 | 81 | 47 | 49 | 49 | 82 | 57 | .344 | .350 | .03 | .03 | 5.6 | 1.9 | 3.5 |
| June | 29.548 | 29.700 | 29.371 | 56.0 | 67.0 | 72.5 | 54.8 | 63.6 | 80 | 51 | 53 | 54 | 91 | 62 | .403 | .411 | 0 | 0 | 7.2 | .6 | 3.3 |
| July | 29.536 | 29.710 | 29.418 | 59.8 | 70.1 | 75.7 | 58.0 | 66.8 | 84 | 55 | 57 | 58 | 91 | 66 | .469 | .484 | 0 | 0 | 8.0 | .5 | 3.1 |
| August | 29.543 | 29.700 | 29.393 | 60.7 | 70.6 | 78.6 | 58.7 | 68.6 | 96 | 54 | 57 | 58 | 88 | 64 | .468 | .478 | T. | T. | 7.1 | .6 | 2.2 |
| September | 29.560 | 29.710 | 29.398 | 57.7 | 66.3 | 74.2 | 56.1 | 65.2 | 83 | 53 | 55 | 56 | 92 | 69 | .436 | .445 | .77 | .88 | 6.5 | 1.6 | 3.3 |
| October | 29.643 | 29.890 | 29.458 | 54.0 | 61.2 | 67.3 | 52.1 | 59.7 | 90 | 44 | 49 | 50 | 86 | 70 | .355 | .360 | 2.71 | .83 | 4.5 | 3.5 | 5.0 |
| November | 29.726 | 29.920 | 29.535 | 52.6 | 61.9 | 70.1 | 48.7 | 59.4 | 81 | 41 | 37 | 41 | 61 | 54 | .228 | .279 | .09 | .09 | 1.9 | 1.3 | 2.1 |
| December | 29.690 | 30.030 | 29.168 | 47.9 | 55.2 | 60.7 | 44.5 | 52.6 | 79 | 36 | 36 | 39 | 67 | 60 | .224 | .250 | 3.67 | 2.52 | 4.2 | 4.8 | 4.7 |
| Year | 29.623 | 30.140 | 29.168 | 54.5 | 63.7 | 69.8 | 52.1 | 60.9 | 96 | 36 | 48 | 50 | 82 | 63 | .352 | .368 | 23.29 | 4.20 | 5.3 | 2.6 | 3.8 |

LOUISVILLE, KY.

[$\phi$=38° 15′ N.; $\lambda$=85° 45′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.638 | 30.100 | 29.010 | 36.9 | 42.2 | 49.2 | 30.8 | 40.0 | 72 | 0 | 32 | 33 | 81 | 70 | 0.215 | 0.218 | 8.16 | 2.31 | 7.3 | 6.7 | 6.9 |
| February | 29.583 | 30.150 | 29.110 | 30.1 | 36.2 | 42.3 | 25.5 | 33.9 | 67 | 11 | 23 | 26 | 75 | 65 | .136 | .147 | 3.14 | 1.36 | 6.5 | 5.2 | 6.2 |
| March | 29.406 | 29.850 | 28.580 | 38.7 | 45.2 | 53.1 | 33.3 | 43.2 | 76 | 13 | 30 | 32 | 72 | 62 | .184 | .197 | 3.85 | 1.12 | 6.7 | 5.7 | 6.7 |
| April | 29.421 | 29.661 | 29.100 | 49.6 | 55.9 | 62.4 | 45.5 | 54.0 | 81 | 30 | 40 | 44 | 72 | 66 | .260 | .299 | 3.17 | 1.63 | 7.7 | 6.0 | 7.0 |
| May | 29.379 | 29.650 | 29.080 | 63.0 | 71.8 | 77.5 | 58.6 | 68.0 | 90 | 47 | 51 | 53 | 68 | 53 | .403 | .418 | 3.39 | 1.58 | 6.4 | 4.0 | 5.5 |
| June | 29.339 | 29.680 | 28.810 | 66.9 | 73.5 | 79.7 | 61.5 | 70.6 | 92 | 54 | 58 | 58 | 73 | 61 | .483 | .497 | 6.05 | 2.15 | 4.9 | 5.8 | 6.0 |
| July | 29.417 | 29.660 | 29.216 | 76.1 | 82.7 | 89.9 | 71.1 | 80.5 | 98 | 63 | 67 | 67 | 75 | 61 | .674 | .673 | 8.08 | 5.20 | 3.0 | 4.2 | 3.8 |
| August | 29.466 | 29.680 | 29.250 | 72.9 | 81.0 | 87.0 | 69.5 | 78.2 | 95 | 55 | 67 | 66 | 81 | 62 | .669 | .656 | 3.06 | 1.36 | 5.3 | 2.8 | 4.9 |
| September | 29.511 | 29.780 | 29.180 | 61.8 | 71.3 | 78.4 | 58.2 | 68.3 | 92 | 40 | 53 | 53 | 74 | 55 | .437 | .444 | 4.12 | 3.06 | 3.8 | 1.9 | 3.1 |
| October | 29.548 | 29.880 | 28.910 | 51.1 | 62.4 | 69.6 | 47.0 | 58.3 | 89 | 31 | 43 | 44 | 75 | 53 | .294 | .300 | 2.02 | 1.26 | 3.9 | 1.6 | 3.4 |
| November | 29.589 | 29.940 | 28.880 | 42.1 | 51.4 | 58.2 | 38.8 | 48.5 | 78 | 18 | 33 | 32 | 70 | 49 | .200 | .194 | 1.17 | .75 | 3.2 | 1.5 | 2.9 |
| December | 29.486 | 29.990 | 29.050 | 31.1 | 37.5 | 43.0 | 26.7 | 34.8 | 69 | 2 | 24 | 26 | 76 | 63 | .146 | .155 | 4.12 | 1.80 | 6.8 | 4.9 | 5.7 |
| Year | 29.482 | 30.150 | 28.580 | 51.7 | 59.3 | 65.9 | 47.2 | 56.5 | 98 | 0 | 43 | 44 | 74 | 60 | .342 | .350 | 50.33 | 5.20 | 5.5 | 4.2 | 5.2 |

LUDINGTON, MICH.

[$\phi$=43° 57′ N.; $\lambda$=86° 27′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.352 | 29.880 | 28.680 | 26.4 | 27.0 | 33.3 | 19.8 | 26.6 | 58 | 0 | 23 | 22 | 88 | 83 | 0.137 | 0.133 | 3.33 | 1.02 | 9.5 | 6.6 | 8.8 |
| February | 29.400 | 29.970 | 28.900 | 18.3 | 20.7 | 24.9 | 14.7 | 19.8 | 40 | 4 | 15 | 16 | 86 | 80 | .088 | .092 | 1.28 | .31 | 9.7 | 8.3 | 8.9 |
| March | 29.271 | 29.770 | 28.443 | 22.7 | 28.0 | 32.8 | 18.6 | 25.7 | 60 | 3 | 20 | 22 | 87 | 78 | .114 | .132 | 3.29 | .80 | 7.2 | 5.5 | 6.4 |
| April | 29.245 | 29.580 | 28.750 | 38.3 | 42.6 | 47.1 | 35.1 | 41.1 | 68 | 22 | 34 | 34 | 84 | 73 | .198 | .200 | 2.32 | 1.08 | 5.7 | 6.0 | 5.6 |
| May | 29.183 | 29.630 | 28.610 | 49.6 | 54.2 | 59.4 | 43.9 | 51.6 | 84 | 29 | 43 | 43 | 80 | 66 | .288 | .285 | 4.18 | 1.46 | 5.2 | 4.7 | 5.3 |
| June | 29.168 | 29.640 | 28.600 | 55.3 | 59.5 | 64.4 | 49.8 | 57.1 | 77 | 42 | 50 | 50 | 84 | 74 | .370 | .374 | 3.94 | .96 | 4.3 | 4.4 | 4.7 |
| July | 29.324 | 29.570 | 29.090 | 70.3 | 76.3 | 80.9 | 64.0 | 72.4 | 93 | 51 | 63 | 63 | 79 | 65 | .586 | .592 | 1.54 | .93 | 1.8 | 2.2 | 2.0 |
| August | 29.313 | 29.620 | 29.070 | 67.1 | 70.8 | 75.8 | 60.5 | 68.2 | 89 | 43 | 60 | 61 | 80 | 72 | .541 | .553 | 1.87 | .81 | 3.3 | 3.2 | 3.5 |
| September | 29.298 | 29.620 | 28.320 | 56.6 | 60.1 | 64.7 | 51.7 | 58.2 | 76 | 38 | 50 | 50 | 80 | 72 | .387 | .387 | 2.95 | .89 | 4.7 | 4.7 | 5.3 |
| October | 29.338 | 29.760 | 28.480 | 45.8 | 49.5 | 54.9 | 41.2 | 48.0 | 74 | 32 | 40 | 40 | 80 | 73 | .254 | .260 | 3.94 | 1.01 | 5.7 | 4.8 | 5.1 |
| November | 29.330 | 29.800 | 28.470 | 35.8 | 38.8 | 42.9 | 32.8 | 37.8 | 67 | 18 | 31 | 32 | 82 | 78 | .181 | .192 | 2.86 | .84 | 7.5 | 6.1 | 6.9 |
| December | 29.225 | 29.770 | 28.800 | 23.9 | 25.0 | 30.1 | 19.8 | 25.0 | 55 | 5 | 20 | 20 | 84 | 82 | .113 | .118 | 3.48 | .94 | 7.8 | 6.8 | 7.4 |
| Year | 29.287 | 29.970 | 28.443 | 42.5 | 46.0 | 50.9 | 37.7 | 44.3 | 93 | 0 | 37 | 38 | 83 | 75 | .271 | .276 | 34.98 | 1.46 | 6.0 | 5.3 | 5.8 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

LITTLE ROCK, ARK.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 10.8 | S. | 38 | NW. | 0 | 11 | 8 | 9 | 6 | 18 | 1 | 1 | 8 | 0 | 7 | 4 | 20 | 14 | 11 | 3 | 1 | 0 | 1 | 4 | 0 | 11 | 1 | 0 |
| February | 10.4 | NW. | 38 | S. | 0 | 10 | 4 | 9 | 5 | 7 | 7 | 2 | 14 | 0 | 15 | 4 | 10 | 6 | 5 | 2 | 1 | 1 | 1 | 2 | 0 | 11 | 3 | 0 |
| March | 12.9 | SW. | 42 | NW. | 2 | 8 | 4 | 11 | 4 | 19 | 6 | 3 | 7 | 0 | 15 | 7 | 9 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 |
| April | 11.2 | S. | 46 | W. | 2 | 6 | 9 | 6 | 2 | 14 | 7 | 8 | 8 | 0 | 11 | 8 | 11 | 7 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 10.0 | S. | 46 | SW. | 1 | 0 | 6 | 7 | 7 | 24 | 11 | 1 | 5 | 1 | 19 | 7 | 5 | 5 | 5 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 4 | 0 |
| June | 8.7 | S. | 52 | S. | 4 | 3 | 4 | 8 | 4 | 20 | 8 | 10 | 3 | 0 | 9 | 12 | 9 | 11 | 9 | 0 | 0 | 1 | 0 | 0 | 8 | 0 | 15 | 0 |
| July | 7.8 | E. | 34 | SE. | 0 | 6 | 9 | 17 | 4 | 9 | 5 | 3 | 9 | 0 | 14 | 14 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 9 | 0 |
| August | 7.0 | S. | 44 | NE. | 2 | 4 | 3 | 10 | 8 | 17 | 16 | 1 | 2 | 1 | 15 | 9 | 7 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 9 | 0 |
| September | 7.4 | E. | 50 | NW. | 1 | 6 | 13 | 12 | 6 | 13 | 4 | 2 | 4 | 0 | 17 | 8 | 5 | 10 | 7 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 8 | 0 |
| October | 7.8 | E. | 42 | W. | 1 | 4 | 11 | 10 | 12 | 5 | 4 | 5 | 7 | 4 | 22 | 3 | 6 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 8.7 | S. | 29 | NW. | 0 | 5 | 2 | 5 | 8 | 18 | 7 | 6 | 9 | 0 | 20 | 2 | 8 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 1 | 0 |
| December | 10.6 | SW. | 34 | SW. | 0 | 3 | 12 | 11 | 1 | 11 | 7 | 9 | 8 | 0 | 9 | 8 | 14 | 8 | 6 | 4 | 2 | 0 | 0 | 2 | 0 | 17 | 2 | 0 |
| Year | 9.4 | S. | 52 | S. | 13 | 66 | 85 | 115 | 67 | 175 | 83 | 51 | 84 | 6 | 173 | 86 | 107 | 93 | 71 | 11 | 4 | 5 | 2 | 8 | 68 | 48 | 57 | 0 |

LOS ANGELES, CAL.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.8 | NE. | 34 | SW. | 0 | 1 | 23 | 4 | 5 | 8 | 14 | 0 | 7 | 0 | 8 | 3 | 20 | 19 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 5.2 | SW. | 24 | SW. | 0 | 5 | 14 | 1 | 3 | 5 | 24 | 4 | 2 | 0 | 10 | 12 | 7 | 5 | 5 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| March | 5.9 | SW. | 24 | W. | 0 | 3 | 14 | 3 | 5 | 3 | 24 | 3 | 7 | 0 | 16 | 7 | 8 | 4 | 4 | 0 | 0 | 1 | 5 | 0 | 2 | 0 | 0 | 0 |
| April | 5.5 | SW. | 16 | S. | 0 | 1 | 21 | 2 | 3 | 3 | 23 | 5 | 1 | 1 | 20 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| May | 5.9 | SW. | 26 | SW. | 0 | 0 | 18 | 4 | 1 | 7 | 29 | 0 | 3 | 0 | 16 | 13 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| June | 5.5 | SW. | 20 | SW. | 0 | 1 | 7 | 4 | 6 | 5 | 32 | 2 | 3 | 0 | 16 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| July | 5.3 | SW. | 15 | SW. | 0 | 0 | 6 | 6 | 9 | 7 | 30 | 3 | 1 | 0 | 17 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August | 4.9 | SW. | 16 | SW. | 0 | 0 | 9 | 5 | 4 | 2 | 30 | 3 | 9 | 0 | 25 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 |
| September | 4.8 | SW. | 14 | SW. | 0 | 0 | 5 | 3 | 7 | 8 | 33 | 2 | 2 | 0 | 19 | 8 | 3 | 1 | 1 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 |
| October | 5.0 | SW. | 27 | S. | 0 | 1 | 19 | 2 | 3 | 3 | 28 | 1 | 5 | 0 | 9 | 14 | 8 | 6 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 5.2 | NE. | 19 | NW. | 0 | 3 | 17 | 3 | 4 | 6 | 16 | 5 | 6 | 0 | 22 | 6 | 2 | 1 | 1 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| December | 6.4 | NE. | 42 | S. | 1 | 7 | 20 | 1 | 4 | 4 | 10 | 7 | 9 | 0 | 15 | 5 | 11 | 9 | 7 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Year | 5.6 | SW. | 42 | S. | 1 | 22 | 173 | 38 | 54 | 61 | 293 | 35 | 55 | 1 | 193 | 107 | 66 | 46 | 41 | 1 | 0 | 1 | 35 | 0 | 5 | 0 | 1 | 0 |

LOUISVILLE, KY.

[$H_b$=525 ft.; $h_t$=219 ft.; $h_r$=214 ft.; $h_a$=255 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.3 | S. | 52 | S. | 5 | 8 | 7 | 2 | 10 | 17 | 4 | 7 | 7 | 0 | 6 | 10 | 15 | 17 | 15 | 4 | 3 | 1 | 1 | 5 | 0 | 14 | 2 | 0 |
| February | 13.6 | NW. | 48 | NW. | 2 | 7 | 6 | 4 | 4 | 7 | 9 | 8 | 13 | 0 | 10 | 3 | 16 | 10 | 8 | 8 | 4 | 0 | 2 | 7 | 0 | 21 | 1 | 0 |
| March | 14.9 | N. | 72 | W. | 6 | 11 | 3 | 9 | 4 | 10 | 8 | 10 | 7 | 0 | 8 | 9 | 14 | 13 | 10 | 6 | 6 | 0 | 0 | 3 | 0 | 15 | 7 | 0 |
| April | 14.8 | SW. | 52 | W. | 7 | 7 | 4 | 5 | 3 | 9 | 12 | 9 | 11 | 0 | 7 | 7 | 16 | 8 | 7 | 2 | 2 | 1 | 0 | 0 | 0 | 2 | 1 | 0 |
| May | 12.2 | S. | 50 | W. | 3 | 7 | 6 | 4 | 7 | 12 | 10 | 5 | 11 | 0 | 10 | 11 | 10 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| June | 11.3 | SW. | 54 | W. | 7 | 8 | 9 | 4 | 5 | 7 | 18 | 4 | 5 | 0 | 8 | 11 | 11 | 14 | 12 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 13 | 0 |
| July | 7.6 | N. | 52 | N. | 3 | 12 | 11 | 7 | 9 | 12 | 6 | 0 | 5 | 0 | 18 | 5 | 8 | 11 | 9 | 0 | 0 | 0 | 1 | 0 | 20 | 0 | 13 | 0 |
| August | 8.0 | SW. | 54 | NW. | 3 | 9 | 6 | 5 | 2 | 12 | 18 | 4 | 6 | 0 | 10 | 13 | 8 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 9 | 0 |
| September | 10.5 | S. | 46 | S. | 2 | 8 | 8 | 1 | 10 | 13 | 6 | 6 | 7 | 1 | 19 | 5 | 6 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 |
| October | 9.9 | S. | 50 | SW. | 3 | 10 | 10 | 5 | 9 | 13 | 9 | 2 | 4 | 0 | 19 | 5 | 7 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| November | 12.9 | S. | 52 | SW. | 2 | 1 | 5 | 4 | 4 | 18 | 14 | 7 | 7 | 0 | 21 | 1 | 8 | 6 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 |
| December | 13.5 | SW. | 40 | S. | 1 | 10 | 4 | 5 | 11 | 10 | 12 | 7 | 3 | 0 | 10 | 9 | 12 | 15 | 9 | 10 | 7 | 0 | 1 | 7 | 0 | 22 | 2 | 0 |
| Year | 12.0 | S. | 72 | W. | 44 | 98 | 79 | 55 | 78 | 140 | 126 | 69 | 86 | 1 | 146 | 89 | 131 | 124 | 100 | 31 | 22 | 2 | 6 | 23 | 36 | 83 | 57 | 0 |

LUDINGTON, MICH.

[$H_b$=637 ft.; $h_t$=60 ft.; $h_r$=53 ft.; $h_a$=66 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.8 | W. | 49 | W. | 2 | 5 | 3 | 4 | 10 | 9 | 8 | 16 | 7 | 0 | 2 | 3 | 26 | 21 | 15 | 17 | 13 | 1 | 3 | 13 | 0 | 25 | 1 | 1 |
| February | 11.6 | W. | 37 | NW. | 0 | 8 | 6 | 7 | 7 | 2 | 5 | 12 | 11 | 0 | 0 | 4 | 25 | 18 | 12 | 24 | 17 | 0 | 0 | 22 | 0 | 29 | 0 | 0 |
| March | 11.6 | N. | 40 | S. | 1 | 14 | 15 | 6 | 10 | 6 | 1 | 7 | 3 | 0 | 7 | 8 | 16 | 18 | 14 | 16 | 13 | 0 | 1 | 15 | 0 | 25 | 1 | 2 |
| April | 10.4 | S. | 37 | S. | 0 | 13 | 2 | 9 | 7 | 13 | 4 | 7 | 5 | 0 | 8 | 12 | 10 | 17 | 7 | 3 | 3 | 0 | 1 | 0 | 0 | 7 | 2 | 4 |
| May | 10.6 | S. | 39 | SW. | 0 | 4 | 2 | 7 | 12 | 16 | 7 | 8 | 6 | 0 | 10 | 13 | 8 | 15 | 11 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 11 | 2 |
| June | 8.7 | S. | 33 | SW. | 0 | 10 | 2 | 5 | 9 | 14 | 10 | 6 | 4 | 0 | 12 | 12 | 6 | 13 | 12 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 7 | 0 |
| July | 7.3 | S. | 35 | W. | 0 | 12 | 9 | 5 | 9 | 15 | 5 | 6 | 1 | 0 | 24 | 6 | 1 | 7 | 4 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 10 | 2 |
| August | 8.4 | S. | 43 | W. | 1 | 10 | 2 | 8 | 3 | 19 | 9 | 7 | 4 | 0 | 17 | 11 | 3 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 |
| September | 11.0 | S. | 34 | S. | 0 | 7 | 2 | 6 | 8 | 18 | 2 | 7 | 10 | 0 | 11 | 7 | 12 | 14 | 10 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 9 | 2 |
| October | 12.3 | S. | 44 | W. | 2 | 6 | 4 | 3 | 17 | 10 | 5 | 8 | 9 | 0 | 11 | 8 | 12 | 16 | 14 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| November | 12.4 | W. | 41 | NW. | 2 | 3 | 5 | 10 | 8 | 3 | 9 | 10 | 12 | 0 | 7 | 4 | 19 | 16 | 12 | 10 | 8 | 0 | 4 | 5 | 0 | 14 | 1 | 0 |
| December | 12.3 | W. | 38 | W. | 0 | 2 | 3 | 6 | 13 | 5 | 3 | 22 | 8 | 0 | 6 | 2 | 23 | 20 | 11 | 21 | 18 | 0 | 2 | 20 | 0 | 24 | 1 | 0 |
| Year | 11.0 | S. | 44 | W. | 8 | 94 | 55 | 76 | 113 | 130 | 68 | 116 | 80 | 0 | 115 | 90 | 161 | 184 | 131 | 95 | 72 | 4 | 23 | 75 | 1 | 126 | 53 | 18 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

LYNCHBURG, VA.

[$\phi$=37° 25′ N.; $\lambda$=79° 9′ 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 | 29.507 | 29.870 | 29.000 | 37.1 | 45.0 | 52.8 | 33.5 | 43.2 | 72 | 10 | 30 | 35 | 74 | 69 | 0.190 | 0.232 | 0.99 | 0.37 | 6.2 | 4.8 | 6.4 |
| February | 29.292 | 29.860 | 28.620 | 33.1 | 41.1 | 48.9 | 28.7 | 38.8 | 68 | 8 | 25 | 29 | 70 | 61 | .146 | .168 | 2.92 | .96 | 5.0 | 3.9 | 5.9 |
| March | 29.183 | 29.613 | 28.300 | 37.8 | 47.2 | 56.2 | 33.0 | 44.6 | 82 | 18 | 26 | 31 | 64 | 54 | .157 | .194 | 1.32 | .60 | 5.5 | 2.8 | 5.5 |
| April | 29.218 | 29.557 | 28.820 | 49.4 | 58.3 | 66.1 | 43.3 | 54.7 | 85 | 31 | 39 | 40 | 69 | 54 | .244 | .254 | 1.94 | .66 | 4.3 | 4.3 | 5.6 |
| May | 29.208 | 29.485 | 28.850 | 63.2 | 71.8 | 80.5 | 57.4 | 69.0 | 93 | 47 | 51 | 51 | 66 | 52 | .389 | .401 | 5.13 | 2.12 | 3.7 | 4.2 | 4.7 |
| June | 29.191 | 29.470 | 28.860 | 66.1 | 72.6 | 81.5 | 60.4 | 71.0 | 93 | 51 | 59 | 61 | 79 | 68 | .511 | .541 | 6.28 | 1.81 | 4.5 | 4.8 | 5.0 |
| July | 29.284 | 29.550 | 28.960 | 72.2 | 76.0 | 85.3 | 67.4 | 76.4 | 90 | 59 | 66 | 67 | 83 | 74 | .653 | .662 | 9.76 | 4.29 | 5.9 | 5.5 | 5.6 |
| August | 29.291 | 29.520 | 29.020 | 70.8 | 74.9 | 84.9 | 65.7 | 75.3 | 93 | 55 | 65 | 67 | 82 | 77 | .620 | .666 | 2.69 | .76 | 4.5 | 4.0 | 4.8 |
| September | 29.352 | 29.680 | 29.070 | 59.4 | 67.7 | 79.4 | 54.3 | 66.8 | 92 | 38 | 53 | 56 | 81 | 67 | .426 | .465 | 2.55 | .99 | 2.3 | 1.5 | 3.5 |
| October | 29.407 | 29.690 | 28.880 | 49.2 | 58.8 | 70.6 | 44.8 | 57.7 | 89 | 33 | 43 | 46 | 80 | 65 | .296 | .336 | 2.22 | 1.90 | 3.5 | 2.3 | 4.6 |
| November | 29.421 | 29.790 | 28.700 | 40.9 | 50.3 | 60.1 | 36.6 | 48.4 | 79 | 22 | 34 | 36 | 77 | 59 | .212 | .222 | 1.52 | .65 | 3.8 | 2.0 | 4.7 |
| December | 29.294 | 29.740 | 28.710 | 32.9 | 39.5 | 48.9 | 28.2 | 38.6 | 72 | 11 | 25 | 28 | 72 | 63 | .146 | .159 | 2.32 | 1.02 | 4.6 | 3.1 | 5.3 |
| Year | 29.304 | 29.870 | 28.300 | 51.0 | 58.6 | 67.9 | 46.1 | 57.0 | 93 | 8 | 43 | 46 | 75 | 64 | .332 | .358 | 39.64 | 4.29 | 4.5 | 3.6 | 5.1 |

MACON, GA.

[$\phi$=32° 50′ N.; $\lambda$=83° 38′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.859 | 30.160 | 29.500 | 48.4 | 56.9 | 63.5 | 44.9 | 54.2 | 77 | 18 | 44 | 48 | 84 | 72 | 0.329 | 0.364 | 1.74 | 1.16 | 5.6 | 4.4 | 6.3 |
| February | 29.715 | 30.170 | 29.240 | 41.0 | 51.7 | 59.8 | 37.3 | 48.6 | 75 | 24 | 35 | 37 | 80 | 60 | .225 | .236 | 3.76 | 2.29 | 4.3 | 3.2 | 4.1 |
| March | 29.620 | 29.980 | 29.120 | 46.6 | 59.0 | 67.1 | 42.3 | 54.7 | 82 | 26 | 41 | 44 | 81 | 60 | .276 | .311 | 1.38 | .90 | 3.3 | 3.7 | 3.6 |
| April | 29.608 | 29.970 | 29.290 | 55.8 | 67.6 | 74.8 | 50.5 | 62.6 | 87 | 31 | 48 | 46 | 75 | 47 | .339 | .317 | 1.31 | .58 | 3.6 | 2.9 | 3.7 |
| May | 29.565 | 29.840 | 29.340 | 69.3 | 80.4 | 86.8 | 63.3 | 75.0 | 98 | 54 | 59 | 55 | 71 | 45 | .520 | .457 | 1.71 | .94 | 3.2 | 2.9 | 3.4 |
| June | 29.543 | 29.750 | 29.228 | 73.1 | 81.0 | 88.5 | 68.0 | 78.2 | 95 | 58 | 66 | 64 | 80 | 59 | .649 | .611 | 3.62 | 1.18 | 5.6 | 6.9 | 5.7 |
| July | 29.586 | 29.820 | 29.300 | 74.6 | 77.2 | 85.6 | 71.2 | 78.4 | 94 | 67 | 72 | 72 | 91 | 83 | .772 | .770 | 13.40 | 3.35 | 8.1 | 8.7 | 8.4 |
| August | 29.639 | 29.850 | 29.420 | 74.9 | 81.6 | 90.0 | 70.7 | 80.4 | 96 | 64 | 70 | 70 | 86 | 68 | .743 | .726 | 1.66 | .73 | 4.4 | 4.1 | 5.1 |
| September | 29.656 | 29.870 | 29.440 | 66.9 | 75.5 | 83.6 | 63.2 | 73.4 | 93 | 48 | 62 | 62 | 83 | 63 | .566 | .568 | 2.51 | 1.39 | 3.1 | 3.5 | 3.3 |
| October | 29.686 | 29.940 | 29.300 | 58.5 | 66.7 | 75.2 | 55.3 | 65.2 | 86 | 38 | 53 | 54 | 82 | 65 | .432 | .450 | 1.72 | .77 | 5.0 | 3.5 | 4.1 |
| November | 29.781 | 30.150 | 29.330 | 46.5 | 57.1 | 66.7 | 43.3 | 55.0 | 80 | 24 | 42 | 41 | 85 | 57 | .301 | .294 | .66 | .26 | 3.6 | 2.3 | 3.3 |
| December | 29.690 | 30.010 | 29.177 | 41.5 | 51.0 | 59.6 | 38.2 | 48.9 | 76 | 25 | 37 | 39 | 83 | 64 | .239 | .261 | 2.08 | .57 | 4.7 | 4.8 | 4.8 |
| Year | 29.662 | 30.170 | 29.120 | 58.1 | 67.1 | 75.1 | 54.0 | 64.6 | 98 | 18 | 52 | 53 | 82 | 62 | .449 | .447 | 35.55 | 3.35 | 4.5 | 4.2 | 4.6 |

MADISON, WIS.

[$\phi$=43° 05′ N.; $\lambda$=89° 23′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.025 | 29.560 | 28.370 | 18.3 | 21.0 | 29.3 | 11.0 | 20.2 | 48 | −22 | 13 | 16 | 79 | 78 | 0.101 | 0.111 | 3.07 | 1.10 | 6.2 | 6.7 | 6.7 |
| February | 29.087 | 29.602 | 28.660 | 12.7 | 19.0 | 23.8 | 10.4 | 17.1 | 45 | −12 | 8 | 12 | 80 | 71 | .069 | .078 | .39 | .28 | 6.6 | 6.3 | 6.6 |
| March | 28.927 | 29.359 | 28.120 | 22.9 | 32.6 | 36.9 | 20.3 | 28.6 | 60 | 5 | 18 | 24 | 81 | 70 | .110 | .142 | 2.93 | 1.20 | 7.1 | 6.8 | 7.1 |
| April | 28.909 | 29.230 | 28.360 | 39.9 | 47.4 | 53.8 | 36.8 | 45.3 | 67 | 19 | 33 | 35 | 75 | 64 | .191 | .212 | 3.51 | 1.41 | 5.8 | 7.5 | 6.9 |
| May | 28.839 | 29.250 | 28.320 | 53.0 | 61.3 | 66.4 | 48.2 | 57.3 | 85 | 34 | 43 | 45 | 70 | 58 | .293 | .328 | 2.38 | .85 | 5.9 | 6.3 | 6.7 |
| June | 28.833 | 29.300 | 28.270 | 57.9 | 65.0 | 69.9 | 53.6 | 61.8 | 86 | 45 | 52 | 54 | 82 | 69 | .397 | .422 | 4.52 | 2.09 | 5.0 | 7.5 | 7.4 |
| July | 28.996 | 29.230 | 28.750 | 72.8 | 83.2 | 88.9 | 67.3 | 78.1 | 101 | 55 | 64 | 65 | 74 | 55 | .598 | .622 | 2.66 | 1.40 | 2.5 | 4.3 | 4.0 |
| August | 28.987 | 29.250 | 28.780 | 66.4 | 76.4 | 82.4 | 63.2 | 72.8 | 98 | 52 | 59 | 60 | 79 | 58 | .524 | .544 | 4.24 | 3.01 | 4.3 | 5.0 | 5.1 |
| September | 28.966 | 29.280 | 28.400 | 54.6 | 61.7 | 68.3 | 50.6 | 59.4 | 85 | 33 | 49 | 50 | 81 | 68 | .376 | .397 | 5.73 | 1.73 | 5.3 | 5.9 | 5.9 |
| October | 29.001 | 29.464 | 28.300 | 43.5 | 50.9 | 58.4 | 40.0 | 49.2 | 83 | 30 | 37 | 39 | 80 | 65 | .230 | .244 | 2.97 | 1.02 | 4.5 | 5.9 | 5.7 |
| November | 29.000 | 29.420 | 28.310 | 31.8 | 37.2 | 43.2 | 28.4 | 35.8 | 71 | 5 | 27 | 28 | 82 | 71 | .156 | .165 | 1.69 | .53 | 6.5 | 4.9 | 6.2 |
| December | 28.902 | 29.510 | 28.420 | 14.4 | 19.4 | 25.6 | 10.3 | 18.0 | 60 | −14 | 9 | 12 | 79 | 73 | .078 | .096 | 1.24 | .53 | 5.5 | 4.5 | 5.7 |
| Year | 28.956 | 29.602 | 28.120 | 40.7 | 47.9 | 53.9 | 36.7 | 45.3 | 101 | −22 | 34 | 37 | 78 | 67 | .260 | .280 | 35.33 | 3.01 | 5.4 | 6.0 | 6.2 |

MANTEO, N. C.

[$\phi$=35° 54′ N.; $\lambda$=75° 40′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | | | | | | 59.7 | 39.4 | 49.6 | 75 | 15 | | | | | | | 2.76 | 1.10 | | | |
| February | | | | | | 55.0 | 34.8 | 44.9 | 73 | 25 | | | | | | | 4.26 | 1.20 | | | |
| March | | | | | | 58.1 | 36.5 | 47.3 | 75 | 25 | | | | | | | 2.80 | .92 | | | |
| April | | | | | | 64.6 | 45.1 | 54.8 | 86 | 35 | | | | | | | 2.00 | 1.18 | | | |
| May | | | | | | 78.0 | 59.2 | 68.6 | 90 | 41 | | | | | | | 2.65 | .92 | | | |
| June | | | | | | 81.1 | 63.8 | 72.4 | 90 | 45 | | | | | | | 3.91 | .85 | | | |
| July | | | | | | 82.2 | 68.8 | 75.5 | 89 | 55 | | | | | | | 6.92 | 1.40 | | | |
| August | | | | | | 84.1 | 70.0 | 77.0 | 92 | 60 | | | | | | | 3.87 | 2.97 | | | |
| September | | | | | | 79.3 | 63.1 | 71.2 | 94 | 49 | | | | | | | 5.00 | 2.40 | | | |
| October | | | | | | 71.2 | 57.3 | 64.5 | 83 | 42 | | | | | | | 1.84 | 1.25 | | | |
| November | | | | | | 64.1 | 44.1 | 54.1 | 79 | 23 | | | | | | | 1.14 | .44 | | | |
| December | | | | | | 57.6 | 34.9 | 46.2 | 73 | 19 | | | | | | | 3.74 | 1.60 | | | |
| Year | | | | | | 69.6 | 51.5 | 60.5 | 94 | 15 | | | | | | | 40.89 | 2.97 | | | |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

LYNCHBURG, VA.

[$H_b$=681 ft.; $h_t$=153 ft.; $h_r$=146 ft.; $h_a$=188 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.2 | SW. | 34 | NW. | 0 | 7 | 4 | 7 | 3 | 6 | 17 | 11 | 7 | 0 | 6 | 12 | 13 | 9 | 6 | 1 | 1 | 0 | 0 | 3 | 0 | 12 | 0 | 0 |
| February | 9.2 | NW. | 37 | NW. | 0 | 6 | 10 | 3 | 1 | 6 | 7 | 12 | 13 | 0 | 8 | 8 | 13 | 10 | 7 | 5 | 5 | 0 | 0 | 1 | 0 | 19 | 0 | 0 |
| March | 9.5 | NW. | 54 | W. | 1 | 10 | 10 | 6 | 3 | 6 | 8 | 4 | 15 | 0 | 11 | 13 | 7 | 8 | 8 | 3 | 3 | 0 | 0 | 0 | 0 | 12 | 2 | 0 |
| April | 8.5 | NW. | 51 | NW. | 1 | 8 | 8 | 5 | 2 | 4 | 8 | 9 | 16 | 0 | 8 | 16 | 6 | 12 | 7 | 1 | 1 | 0 | 2 | 0 | 0 | 2 | 2 | 0 |
| May | 7.4 | W. | 36 | NW. | 0 | 10 | 8 | 7 | 1 | 3 | 10 | 13 | 10 | 0 | 10 | 16 | 5 | 9 | 5 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 5 | 0 |
| June | 5.4 | N. | 37 | W. | 0 | 12 | 6 | 14 | 7 | 5 | 7 | 3 | 6 | 0 | 7 | 21 | 2 | 16 | 15 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 11 | 0 |
| July | 5.7 | W. | 37 | N. | 0 | 8 | 11 | 12 | 3 | 8 | 9 | 9 | 2 | 0 | 9 | 15 | 7 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| August | 4.6 | W. | 37 | NE. | 0 | 13 | 6 | 3 | 3 | 2 | 6 | 18 | 8 | 3 | 14 | 11 | 6 | 14 | 9 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 6 | 1 |
| September | 5.7 | N. | 35 | N. | 0 | 12 | 10 | 8 | 0 | 7 | 3 | 11 | 8 | 1 | 21 | 7 | 2 | 9 | 6 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 3 | 0 |
| October | 6.1 | N. | 63 | NE. | 1 | 16 | 12 | 10 | 0 | 3 | 4 | 8 | 5 | 4 | 17 | 8 | 6 | 6 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| November | 6.3 | W. | 36 | SW. | 0 | 13 | 4 | 4 | 2 | 4 | 6 | 13 | 13 | 1 | 16 | 6 | 8 | 6 | 5 | 1 | 1 | 0 | 4 | 0 | 0 | 9 | 0 | 0 |
| December | 7.1 | W. | 41 | NW. | 1 | 9 | 3 | 3 | 1 | 3 | 11 | 16 | 15 | 1 | 11 | 12 | 8 | 9 | 8 | 4 | 3 | 0 | 0 | 1 | 0 | 22 | 1 | 0 |
| Year | 7.0 | W. | 63 | NE. | 4 | 124 | 92 | 82 | 26 | 57 | 96 | 127 | 118 | 10 | 138 | 145 | 83 | 120 | 90 | 15 | 14 | 1 | 17 | 5 | 15 | 76 | 39 | 1 |

MACON, GA.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.9 | S. | 25 | S. | 0 | 6 | 11 | 7 | 7 | 15 | 2 | 1 | 12 | 1 | 9 | 5 | 17 | 10 | 4 | 0 | 0 | 0 | 7 | 0 | 0 | 5 | 0 | 0 |
| February | 7.3 | NW. | 30 | NW. | 0 | 12 | 3 | 2 | 1 | 12 | 6 | 6 | 15 | 1 | 14 | 8 | 7 | 7 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 4 | 0 |
| March | 8.7 | NW. | 32 | NW. | 0 | 6 | 1 | 1 | 6 | 14 | 10 | 6 | 18 | 0 | 16 | 11 | 4 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 |
| April | 6.3 | NW. | 24 | S. | 0 | 6 | 4 | 2 | 11 | 7 | 6 | 8 | 12 | 4 | 16 | 8 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| May | 5.7 | NW. | 24 | NW. | 0 | 9 | 5 | 7 | 7 | 11 | 5 | 3 | 10 | 5 | 19 | 8 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 2 | 0 |
| June | 5.4 | S. | 29 | S. | 0 | 3 | 5 | 2 | 7 | 15 | 16 | 4 | 8 | 0 | 8 | 14 | 8 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 | 0 |
| July | 5.6 | S. | 33 | S. | 0 | 3 | 8 | 10 | 13 | 17 | 3 | 1 | 7 | 0 | 0 | 8 | 23 | 20 | 17 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 16 | 0 |
| August | 4.2 | N. | 24 | SW. | 0 | 14 | 4 | 6 | 4 | 10 | 6 | 6 | 9 | 3 | 13 | 10 | 8 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 6 | 0 |
| September | 5.5 | NE. | 25 | NW. | 0 | 12 | 17 | 4 | 8 | 6 | 1 | 0 | 9 | 3 | 19 | 6 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 3 | 0 |
| October | 7.2 | NE. | 31 | N. | 0 | 21 | 16 | 5 | 5 | 4 | 1 | 3 | 7 | 0 | 16 | 5 | 10 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November | 5.4 | NW. | 22 | NW. | 0 | 13 | 11 | 7 | 2 | 4 | 3 | 4 | 13 | 3 | 17 | 6 | 7 | 6 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 |
| December | 6.0 | S. | 30 | W. | 0 | 13 | 7 | 4 | 4 | 12 | 4 | 6 | 10 | 2 | 14 | 8 | 9 | 13 | 9 | 0 | 0 | 1 | 4 | 0 | 0 | 9 | 1 | 0 |
| Year | 6.2 | NW. | 33 | S. | 0 | 118 | 92 | 57 | 75 | 127 | 63 | 48 | 130 | 22 | 161 | 97 | 108 | 102 | 77 | 0 | 0 | 3 | 12 | 0 | 48 | 35 | 47 | 0 |

MADISON, WIS.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.0 | W. | 34 | NW. | 0 | 3 | 4 | 3 | 4 | 15 | 11 | 10 | 12 | 0 | 8 | 7 | 16 | 13 | 10 | 7 | 5 | 0 | 4 | 15 | 0 | 27 | 1 | 1 |
| February | 9.2 | NW. | 29 | NW. | 0 | 9 | 5 | 3 | 3 | 4 | 8 | 11 | 14 | 1 | 6 | 8 | 15 | 7 | 4 | 14 | 6 | 0 | 1 | 20 | 0 | 28 | 0 | 0 |
| March | 12.2 | N. | 46 | N. | 2 | 15 | 9 | 4 | 8 | 6 | 4 | 7 | 9 | 0 | 5 | 10 | 16 | 11 | 8 | 10 | 6 | 0 | 2 | 12 | 0 | 27 | 3 | 1 |
| April | 11.5 | NW. | 36 | N. | 0 | 6 | 6 | 2 | 7 | 9 | 5 | 10 | 15 | 0 | 7 | 6 | 17 | 11 | 7 | 1 | 0 | 1 | 0 | 0 | 0 | 7 | 5 | 2 |
| May | 10.2 | SE. | 37 | SW. | 0 | 3 | 6 | 6 | 8 | 6 | 15 | 11 | 7 | 0 | 6 | 10 | 15 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 4 |
| June | 8.5 | W. | 30 | NW. | 0 | 5 | 5 | 4 | 6 | 9 | 7 | 11 | 13 | 0 | 2 | 13 | 15 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 6.1 | SE. | 31 | NE. | 0 | 5 | 7 | 6 | 13 | 5 | 16 | 6 | 4 | 0 | 13 | 15 | 3 | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 14 | 0 | 9 | 1 |
| August | 7.5 | SW. | 30 | NE. | 0 | 2 | 8 | 4 | 6 | 7 | 17 | 8 | 10 | 0 | 12 | 10 | 9 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 6 | 5 |
| September | 9.1 | S. | 28 | SW. | 0 | 2 | 2 | 1 | 4 | 16 | 14 | 12 | 9 | 0 | 8 | 9 | 13 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 2 |
| October | 10.6 | S. | 40 | SW. | 1 | 6 | 2 | 2 | 11 | 16 | 6 | 10 | 9 | 0 | 8 | 11 | 12 | 13 | 10 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 1 |
| November | 11.3 | NW. | 34 | N. | 0 | 4 | 9 | 2 | 3 | 9 | 8 | 12 | 13 | 0 | 11 | 2 | 17 | 9 | 7 | 6 | 3 | 0 | 2 | 8 | 0 | 19 | 0 | 2 |
| December | 9.8 | W. | 28 | SE. | 0 | 2 | 2 | 2 | 9 | 8 | 10 | 15 | 14 | 0 | 11 | 5 | 15 | 10 | 7 | 13 | 9 | 0 | 2 | 21 | 0 | 26 | 1 | 0 |
| Year | 9.8 | NW. | 46 | N. | 3 | 62 | 65 | 39 | 82 | 110 | 121 | 123 | 129 | 1 | 97 | 106 | 163 | 123 | 93 | 52 | 29 | 2 | 12 | 76 | 19 | 138 | 49 | 19 |

MANTEO, N. C.

[$H_b$=— ft.; $h_t$=5 ft.; $h_r$=3 ft.; $h_a$=43 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | SW. | .... | ..... | .... | 4 | 7 | 0 | 2 | 1 | 10 | 2 | 5 | 0 | 15 | 7 | 9 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 |
| February | ..... | SW. | .... | ..... | .... | 4 | 4 | 2 | 1 | 0 | 12 | 0 | 6 | 0 | 10 | 11 | 8 | 9 | 9 | 2 | 2 | 0 | 0 | 1 | 0 | 14 | 1 | 0 |
| March | ..... | SW. | .... | ..... | .... | 4 | 2 | 3 | 7 | 0 | 8 | 3 | 4 | 0 | 9 | 10 | 12 | 7 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 10 | 1 | 0 |
| April | ..... | NE. | .... | ..... | .... | 3 | 8 | 5 | 1 | 1 | 6 | 3 | 3 | 0 | 16 | 9 | 5 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | ..... | SW. | .... | ..... | .... | 1 | 4 | 2 | 3 | 3 | 15 | 2 | 1 | 0 | 15 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| June | ..... | SW. | .... | ..... | .... | 0 | 4 | 2 | 6 | 4 | 13 | 0 | 1 | 0 | 15 | 12 | 3 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| July | ..... | SW. | .... | ..... | .... | 0 | 6 | 1 | 2 | 5 | 14 | 1 | 2 | 0 | 16 | 4 | 11 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August | ..... | SW. | .... | ..... | .... | 2 | 9 | 1 | 1 | 5 | 12 | 0 | 1 | 0 | 20 | 5 | 6 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 2 | 0 |
| September | ..... | E. | .... | ..... | .... | 3 | 6 | 7 | 3 | 3 | 5 | 1 | 2 | 0 | 19 | 5 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| October | ..... | NE. | .... | ..... | .... | 4 | 16 | 4 | 1 | 0 | 5 | 0 | 1 | 0 | 14 | 6 | 11 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | ..... | NE. | .... | ..... | .... | 4 | 8 | 2 | 5 | 2 | 5 | 2 | 2 | 0 | 19 | 4 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| December | ..... | NW. | .... | ..... | .... | 2 | 7 | 1 | 5 | 0 | 5 | 2 | 9 | 0 | 18 | 3 | 10 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 |
| Year | ..... | SW. | .... | ..... | .... | 31 | 81 | 30 | 37 | 24 | 110 | 16 | 37 | 0 | 186 | 84 | 96 | 81 | 79 | 3 | 3 | 0 | 0 | 1 | 9 | 53 | 10 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

MARQUETTE, MICH.

[$\phi$=46° 34′ N.; $\lambda$=87° 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 | 29.231 | 29.800 | 28.520 | 16.6 | 18.1 | 25.2 | 9.6 | 17.4 | 46 | −13 | 13 | 11 | 83 | 73 | 0.086 | 0.086 | 3.05 | 0.83 | 8.0 | 7.1 | 8.2 |
| February | 29.309 | 29.900 | 28.940 | 10.4 | 14.0 | 21.3 | 6.5 | 13.9 | 54 | − 7 | 5 | 7 | 78 | 72 | .060 | .063 | 1.34 | .22 | 8.0 | 4.9 | 7.0 |
| March | 29.229 | 29.720 | 28.440 | 16.5 | 21.0 | 26.8 | 12.5 | 19.6 | 47 | − 6 | 12 | 14 | 79 | 73 | .081 | .092 | 3.36 | 1.31 | 7.6 | 5.3 | 6.5 |
| April | 29.169 | 29.534 | 28.590 | 36.3 | 38.7 | 44.8 | 31.9 | 38.4 | 71 | 18 | 29 | 30 | 74 | 72 | .158 | .167 | 3.51 | .97 | 7.7 | 5.9 | 7.4 |
| May | 29.079 | 29.580 | 28.440 | 46.8 | 50.0 | 57.6 | 39.8 | 48.7 | 77 | 32 | 36 | 36 | 66 | 60 | .216 | .214 | 1.78 | .67 | 6.9 | 6.7 | 7.3 |
| June | 29.102 | 29.580 | 28.622 | 51.7 | 54.0 | 60.9 | 44.9 | 52.9 | 75 | 37 | 46 | 48 | 82 | 81 | .316 | .336 | 7.26 | 4.46 | 6.0 | 8.6 | 8.0 |
| July | 29.238 | 29.570 | 28.990 | 69.5 | 70.2 | 80.7 | 60.2 | 70.4 | 102 | 44 | 58 | 60 | 68 | 73 | .492 | .531 | 1.74 | .66 | 3.0 | 4.8 | 4.5 |
| August | 29.190 | 29.586 | 28.920 | 64.4 | 68.2 | 76.9 | 56.5 | 66.7 | 98 | 45 | 55 | 55 | 73 | 66 | .449 | .464 | .99 | .41 | 4.6 | 4.7 | 5.9 |
| September | 29.165 | 29.560 | 28.580 | 52.6 | 54.3 | 62.1 | 48.1 | 55.1 | 78 | 35 | 46 | 47 | 79 | 78 | .327 | .342 | 5.74 | 2.43 | 6.2 | 5.2 | 7.1 |
| October | 29.215 | 29.630 | 28.400 | 41.7 | 45.0 | 52.9 | 38.2 | 45.6 | 80 | 27 | 35 | 37 | 78 | 76 | .210 | .233 | 4.89 | 1.15 | 8.0 | 6.1 | 7.8 |
| November | 29.224 | 29.790 | 28.490 | 30.2 | 32.5 | 38.1 | 26.8 | 32.4 | 62 | 10 | 24 | 26 | 79 | 77 | .136 | .149 | 2.48 | .94 | 6.2 | 7.2 | 7.7 |
| December | 29.108 | 29.650 | 28.650 | 16.3 | 19.0 | 25.5 | 11.6 | 18.6 | 48 | − 9 | 13 | 14 | 85 | 79 | .087 | .090 | 3.09 | .59 | 6.5 | 6.8 | 6.1 |
| Year | 29.188 | 29.900 | 28.400 | 37.8 | 40.4 | 47.7 | 32.2 | 40.0 | 102 | −13 | 31 | 32 | 77 | 73 | .218 | .231 | 39.23 | 4.46 | 6.6 | 6.1 | 7.0 |

MEMPHIS, TENN.

[$\phi$=35° 9′ N.; $\lambda$=90° 3′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.794 | 30.210 | 29.310 | 44.3 | 48.4 | 53.9 | 38.5 | 46.2 | 75 | 13 | 39 | 41 | 80 | 75 | 0.276 | 0.295 | 7.16 | 1.75 | 7.2 | 6.5 | 7.3 |
| February | 29.783 | 30.260 | 29.330 | 38.3 | 45.6 | 50.0 | 35.0 | 42.5 | 71 | 20 | 29 | 36 | 70 | 69 | .171 | .224 | 2.27 | .81 | 5.4 | 3.8 | 4.6 |
| March | 29.607 | 30.080 | 29.090 | 46.4 | 55.4 | 61.3 | 42.7 | 52.0 | 80 | 29 | 36 | 42 | 67 | 62 | .225 | .281 | 2.22 | 1.01 | 5.5 | 4.8 | 4.7 |
| April | 29.609 | 29.910 | 29.210 | 54.5 | 64.2 | 68.3 | 52.2 | 60.2 | 82 | 36 | 46 | 48 | 74 | 58 | .316 | .344 | 2.32 | .90 | 4.9 | 5.1 | 5.2 |
| May | 29.543 | 29.710 | 29.280 | 67.0 | 77.2 | 81.5 | 64.4 | 73.0 | 95 | 49 | 58 | 62 | 74 | 61 | .496 | .561 | 4.09 | 1.73 | 3.9 | 4.5 | 3.6 |
| June | 29.514 | 29.770 | 29.000 | 71.1 | 79.5 | 83.7 | 68.1 | 75.9 | 92 | 61 | 64 | 64 | 79 | 62 | .604 | .620 | 3.19 | .82 | 5.7 | 7.3 | 5.8 |
| July | 29.540 | 29.770 | 29.340 | 76.4 | 84.4 | 90.2 | 74.2 | 82.2 | 95 | 68 | 71 | 71 | 84 | 66 | .759 | .769 | 1.74 | .93 | 3.3 | 7.2 | 4.9 |
| August | 29.623 | 29.800 | 29.460 | 74.9 | 82.6 | 88.9 | 72.6 | 80.8 | 95 | 63 | 70 | 70 | 84 | 68 | .732 | .751 | 2.98 | 1.18 | 4.6 | 4.4 | 4.2 |
| September | 29.657 | 29.900 | 29.368 | 65.2 | 75.0 | 80.9 | 63.1 | 72.0 | 91 | 45 | 57 | 61 | 76 | 62 | .503 | .561 | 1.07 | .73 | 3.3 | 2.9 | 3.3 |
| October | 29.689 | 29.960 | 29.170 | 56.0 | 67.6 | 74.2 | 53.7 | 64.0 | 90 | 34 | 46 | 50 | 69 | 55 | .334 | .382 | 2.28 | 1.84 | 2.8 | 1.8 | 2.5 |
| November | 29.772 | 30.160 | 29.240 | 47.0 | 57.4 | 63.0 | 45.0 | 54.0 | 78 | 24 | 36 | 38 | 67 | 51 | .230 | .248 | .86 | .50 | 2.2 | 2.0 | 2.7 |
| December | 29.650 | 30.060 | 29.150 | 38.6 | 45.6 | 51.7 | 35.1 | 43.4 | 74 | 10 | 31 | 32 | 75 | 60 | .200 | .202 | 3.26 | 1.56 | 4.9 | 4.0 | 4.6 |
| Year | 29.648 | 30.260 | 29.000 | 56.6 | 65.2 | 70.6 | 53.7 | 62.2 | 95 | 10 | 49 | 51 | 75 | 62 | .404 | .436 | 33.44 | 1.84 | 4.5 | 4.5 | 4.4 |

MERIDIAN, WIS.

[$\phi$=32° 21′ N.; $\lambda$=88° 40′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.814 | 30.120 | 29.430 | 48.9 | 55.3 | 62.0 | 43.8 | 52.9 | 79 | 20 | 45 | 48 | 86 | 77 | 0.348 | 0.375 | 5.83 | 2.61 | 7.8 | 5.2 | 7.1 |
| February | 29.766 | 30.270 | 29.160 | 40.0 | 51.2 | 59.6 | 36.4 | 48.0 | 74 | 19 | 34 | 38 | 80 | 62 | .215 | .251 | 2.38 | 1.05 | 5.2 | 4.0 | 5.0 |
| March | 29.634 | 30.090 | 29.260 | 48.1 | 62.1 | 67.8 | 44.5 | 56.2 | 84 | 28 | 41 | 42 | 78 | 51 | .284 | .294 | 2.34 | 2.27 | 4.9 | 3.0 | 4.6 |
| April | 29.618 | 29.930 | 29.190 | 55.2 | 67.2 | 72.6 | 51.2 | 61.9 | 85 | 37 | 49 | 48 | 80 | 52 | .362 | .346 | 2.56 | .90 | 5.3 | 4.1 | 4.7 |
| May | 29.561 | 29.759 | 29.330 | 67.7 | 78.3 | 84.0 | 62.4 | 73.2 | 95 | 50 | 62 | 62 | 83 | 59 | .576 | .562 | 7.93 | 3.94 | 3.7 | 3.2 | 3.9 |
| June | 29.543 | 29.748 | 29.270 | 72.2 | 80.4 | 87.2 | 66.9 | 77.0 | 93 | 57 | 68 | 68 | 85 | 68 | .679 | .696 | 2.79 | 1.03 | 5.7 | 5.4 | 4.9 |
| July | 29.525 | 29.767 | 29.090 | 74.6 | 79.2 | 86.6 | 71.4 | 79.0 | 92 | 69 | 72 | 72 | 90 | 80 | .772 | .787 | 14.24 | 6.35 | 6.2 | 7.6 | 6.0 |
| August | 29.632 | 29.833 | 29.450 | 73.9 | 82.1 | 89.4 | 70.6 | 80.0 | 96 | 59 | 70 | 71 | 88 | 70 | .738 | .764 | 2.97 | .77 | 5.2 | 4.7 | 4.5 |
| September | 29.639 | 29.810 | 29.480 | 65.7 | 75.7 | 84.6 | 62.5 | 73.6 | 92 | 44 | 61 | 62 | 84 | 65 | .559 | .590 | 1.48 | .68 | 2.6 | 3.3 | 2.3 |
| October | 29.672 | 29.920 | 29.158 | 54.5 | 67.4 | 77.0 | 52.2 | 64.6 | 87 | 32 | 51 | 56 | 88 | 69 | .407 | .486 | .93 | .33 | 2.9 | 2.4 | 2.5 |
| November | 29.777 | 30.130 | 29.320 | 45.2 | 57.3 | 67.8 | 41.7 | 54.8 | 80 | 21 | 39 | 43 | 80 | 59 | .262 | .306 | 2.38 | 2.08 | 2.8 | 1.8 | 2.8 |
| December | 29.660 | 29.960 | 29.220 | 44.7 | 51.4 | 58.5 | 40.0 | 49.2 | 74 | 24 | 40 | 42 | 84 | 73 | .289 | .305 | 3.71 | 1.81 | 6.6 | 4.5 | 6.4 |
| Year | 29.653 | 30.270 | 29.090 | 57.6 | 67.3 | 74.8 | 53.6 | 64.2 | 96 | 19 | 53 | 54 | 84 | 65 | .458 | .480 | 49.54 | 6.35 | 4.9 | 4.1 | 4.6 |

MIAMI, FLA.

[$\phi$=25° 48′ N.; $\lambda$=80° 12′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.172 | 30.350 | 29.990 | 70.4 | 72.3 | 76.2 | 67.8 | 72.0 | 81 | 55 | 62 | 64 | 76 | 76 | 0.563 | 0.600 | 1.44 | 0.91 | 5.0 | 3.8 | 5.0 |
| February | 30.071 | 30.260 | 29.680 | 61.3 | 66.6 | 73.6 | 57.8 | 65.7 | 78 | 43 | 56 | 57 | 83 | 72 | .461 | .485 | 3.69 | 1.56 | 3.6 | 2.6 | 4.1 |
| March | 30.051 | 30.290 | 29.810 | 62.1 | 68.3 | 74.6 | 57.1 | 65.8 | 84 | 44 | 52 | 56 | 72 | 66 | .426 | .473 | .28 | .27 | 2.2 | 1.8 | 2.8 |
| April | 29.992 | 30.330 | 29.770 | 69.3 | 72.6 | 77.6 | 62.8 | 70.2 | 83 | 46 | 60 | 62 | 73 | 69 | .530 | .557 | .39 | .24 | 4.7 | 3.6 | 4.9 |
| May | 29.933 | 30.130 | 29.630 | 76.2 | 77.1 | 82.2 | 71.2 | 76.7 | 90 | 65 | 68 | 69 | 75 | 76 | .689 | .704 | 5.99 | 1.88 | 5.4 | 5.6 | 6.2 |
| June | 29.967 | 30.100 | 29.800 | 80.8 | 79.5 | 84.7 | 74.2 | 79.4 | 87 | 65 | 71 | 71 | 73 | 76 | .765 | .767 | 6.36 | 2.60 | 4.6 | 6.8 | 6.1 |
| July | 29.968 | 30.080 | 29.840 | 81.9 | 81.0 | 85.6 | 76.0 | 80.8 | 88 | 70 | 72 | 72 | 73 | 75 | .800 | .796 | 2.49 | .78 | 5.7 | 6.4 | 6.5 |
| August | 30.006 | 30.230 | 29.740 | 81.1 | 80.9 | 85.3 | 75.9 | 80.6 | 91 | 70 | 74 | 74 | 79 | 79 | .837 | .832 | 10.10 | 6.12 | 6.2 | 4.8 | 6.0 |
| September | 29.933 | 30.060 | 29.800 | 79.3 | 79.2 | 84.8 | 74.5 | 79.6 | 86 | 70 | 72 | 72 | 80 | 79 | .792 | .786 | 4.81 | 1.06 | 5.5 | 5.0 | 6.2 |
| October | 29.891 | 30.040 | 29.670 | 75.8 | 77.7 | 81.9 | 72.4 | 77.2 | 86 | 62 | 70 | 70 | 82 | 78 | .737 | .737 | 5.03 | 1.66 | 5.4 | 2.8 | 5.2 |
| November | 30.027 | 30.250 | 29.740 | 70.8 | 72.6 | 76.6 | 67.2 | 71.9 | 81 | 52 | 62 | 63 | 75 | 72 | .574 | .585 | 1.85 | .95 | 5.0 | 4.9 | 5.8 |
| December | 30.064 | 30.230 | 29.830 | 66.4 | 69.4 | 75.3 | 62.7 | 69.0 | 79 | 42 | 60 | 62 | 80 | 77 | .543 | .567 | .25 | .22 | 2.8 | 2.1 | 3.6 |
| Year | 30.006 | 30.350 | 29.630 | 73.0 | 74.8 | 79.9 | 68.3 | 74.1 | 91 | 42 | 65 | 66 | 77 | 75 | .643 | .657 | 42.68 | 6.12 | 4.7 | 4.2 | 5.2 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

## MARQUETTE, MICH.

[$H_b$=734 ft.; $h_t$=77 ft.; $h_r$=70 ft.; $h_a$=111 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Aurorus. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 13.4 | SW. | 55 | W. | 1 | 2 | 2 | 4 | 7 | 8 | 16 | 12 | 11 | 0 | 3 | 6 | 22 | 14 | 10 | 20 | 13 | 0 | 0 | 18 | 0 | 31 | 0 | 0 |
| February | 11.9 | NW. | 35 | NW. | 0 | 1 | 1 | 2 | 1 | 4 | 15 | 13 | 21 | 0 | 2 | 12 | 15 | 15 | 10 | 19 | 15 | 0 | 0 | 23 | 0 | 29 | 0 | 0 |
| March | 9.9 | NW. | 33 | E. | 0 | 2 | 1 | 6 | 3 | 4 | 8 | 13 | 25 | 0 | 8 | 7 | 16 | 17 | 11 | 18 | 14 | 0 | 1 | 20 | 0 | 30 | 1 | 1 |
| April | 10.1 | NW. | 38 | NW. | 0 | 2 | 3 | 4 | 9 | 8 | 3 | 6 | 25 | 0 | 6 | 7 | 17 | 17 | 11 | 6 | 6 | 0 | 3 | 2 | 0 | 10 | 1 | 2 |
| May | 10.5 | SE. | 60 | W. | 4 | 1 | 1 | 10 | 13 | 3 | 5 | 10 | 19 | 0 | 5 | 9 | 17 | 12 | 11 | 2 | 0 | 1 | 2 | 0 | 0 | 1 | 4 | 1 |
| June | 7.7 | NW. | 43 | E. | 1 | 2 | 5 | 13 | 8 | 3 | 6 | 3 | 19 | 1 | 1 | 9 | 20 | 18 | 14 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 7 | 0 |
| July | 8.0 | W. | 42 | W. | 1 | 2 | 4 | 12 | 8 | 7 | 7 | 8 | 14 | 0 | 14 | 10 | 7 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 1 |
| August | 10.2 | S. | 38 | S. | 0 | 5 | 1 | 8 | 8 | 12 | 7 | 14 | 7 | 0 | 8 | 12 | 11 | 10 | 6 | 0 | 0 | 0 | 2 | 0 | 3 | 0 | 8 | 1 |
| September | 10.8 | W. | 37 | S. | 0 | 1 | 1 | 6 | 7 | 9 | 13 | 13 | 10 | 0 | 5 | 7 | 18 | 16 | 12 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 5 | 1 |
| October | 12.8 | NW. | 49 | SW. | 4 | 1 | 4 | 0 | 12 | 7 | 12 | 12 | 14 | 0 | 5 | 3 | 23 | 18 | 13 | 9 | 7 | 0 | 0 | 0 | 0 | 8 | 2 | 1 |
| November | 10.5 | W. | 41 | S. | 1 | 2 | 1 | 0 | 8 | 5 | 16 | 15 | 13 | 0 | 3 | 8 | 19 | 14 | 11 | 12 | 9 | 0 | 0 | 10 | 0 | 18 | 0 | 0 |
| December | 12.7 | W. | 46 | E. | 2 | 4 | 1 | 3 | 5 | 6 | 14 | 24 | 5 | 0 | 10 | 7 | 14 | 11 | 11 | 17 | 10 | 0 | 0 | 20 | 0 | 27 | 0 | 0 |
| Year | 10.7 | NW. | 60 | W. | 14 | 25 | 25 | 68 | 89 | 76 | 122 | 143 | 183 | 1 | 70 | 97 | 199 | 169 | 125 | 105 | 74 | 3 | 17 | 93 | 10 | 154 | 34 | 8 |

## MEMPHIS, TENN.

[$H_b$=399 ft.; $h_t$=76 ft.; $h_r$=69 ft.; $h_a$=97 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Aurorus. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.4 | S. | 38 | N. | 0 | 8 | 11 | 3 | 4 | 22 | 9 | 1 | 4 | 0 | 9 | 1 | 21 | 14 | 12 | 3 | 0 | 0 | 0 | 4 | 0 | 11 | 1 | 0 |
| February | 10.1 | N. | 44 | NW. | 2 | 13 | 4 | 5 | 6 | 13 | 5 | 2 | 9 | 1 | 14 | 4 | 11 | 7 | 7 | 2 | 1 | 0 | 0 | 1 | 0 | 12 | 3 | 0 |
| March | 11.5 | SW. | 50 | W. | 4 | 8 | 6 | 5 | 11 | 12 | 8 | 8 | 4 | 0 | 13 | 11 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 0 |
| April | 10.0 | S. | 38 | NW. | 0 | 9 | 11 | 4 | 8 | 9 | 9 | 5 | 5 | 0 | 12 | 7 | 11 | 9 | 6 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 8.5 | SW. | 72 | NW. | 1 | 4 | 5 | 7 | 10 | 12 | 20 | 1 | 3 | 0 | 17 | 6 | 8 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 3 | 0 |
| June | 8.2 | SW. | 50 | SW. | 2 | 6 | 3 | 3 | 7 | 12 | 18 | 6 | 5 | 0 | 10 | 9 | 11 | 12 | 8 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 11 | 0 |
| July | 6.0 | NE. | 32 | NE. | 0 | 11 | 15 | 7 | 8 | 11 | 6 | 1 | 3 | 0 | 14 | 9 | 8 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 14 | 0 |
| August | 6.5 | SW. | 34 | NW. | 0 | 6 | 10 | 5 | 9 | 16 | 11 | 4 | 0 | 1 | 18 | 4 | 9 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 9 | 0 |
| September | 7.4 | N. | 32 | NW. | 0 | 17 | 11 | 5 | 12 | 9 | 2 | 2 | 2 | 0 | 19 | 6 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 6 | 0 |
| October | 7.2 | SE. | 40 | W. | 1 | 11 | 8 | 11 | 14 | 10 | 3 | 5 | 0 | 0 | 22 | 6 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 9.1 | S. | 42 | SW. | 2 | 8 | 3 | 3 | 11 | 20 | 9 | 2 | 4 | 0 | 20 | 5 | 5 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 |
| December | 10.6 | S. | 33 | NW. | 0 | 4 | 10 | 9 | 9 | 12 | 8 | 3 | 7 | 0 | 15 | 7 | 9 | 8 | 7 | 3 | 2 | 0 | 0 | 2 | 0 | 16 | 4 | 0 |
| Year | 8.8 | S. | 72 | NW. | 12 | 105 | 97 | 67 | 109 | 158 | 108 | 40 | 46 | 2 | 183 | 75 | 108 | 96 | 74 | 9 | 3 | 2 | 1 | 7 | 46 | 48 | 60 | 0 |

## MERIDIAN, MISS.

[$H_b$=375 ft.; $h_t$=85 ft.; $h_r$=62 ft.; $h_a$=93 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Aurorus. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.6 | SE. | 25 | SE. | 0 | 11 | 8 | 8 | 14 | 7 | 6 | 2 | 6 | 0 | 6 | 6 | 19 | 7 | 7 | 2 | 0 | 0 | 0 | 2 | 0 | 7 | 3 | 0 |
| February | 6.5 | N. | 26 | W. | 0 | 16 | 6 | 1 | 4 | 4 | 12 | 4 | 11 | 0 | 13 | 5 | 11 | 7 | 5 | 1 | 0 | 1 | 2 | 1 | 0 | 8 | 3 | 0 |
| March | 8.1 | SW. | 30 | NW. | 0 | 8 | 7 | 4 | 3 | 11 | 15 | 5 | 8 | 1 | 15 | 9 | 7 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| April | 5.7 | SW. | 26 | W. | 0 | 6 | 7 | 1 | 3 | 10 | 12 | 8 | 10 | 3 | 14 | 8 | 8 | 5 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 0 |
| May | 4.1 | SW. | 27 | SE. | 0 | 4 | 8 | 3 | 11 | 5 | 12 | 7 | 9 | 3 | 20 | 4 | 7 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 7 | 0 |
| June | 4.7 | SW. | 32 | W. | 0 | 6 | 5 | 2 | 1 | 11 | 18 | 6 | 9 | 2 | 11 | 11 | 8 | 15 | 11 | 0 | 0 | 2 | 0 | 0 | 9 | 0 | 14 | 0 |
| July | 5.4 | SW. | 48 | NE. | 2 | 3 | 10 | 6 | 5 | 11 | 15 | 2 | 6 | 4 | 7 | 12 | 12 | 16 | 15 | 0 | 0 | 0 | 2 | 0 | 8 | 0 | 14 | 0 |
| August | 3.5 | SW. | 21 | SE. | 0 | 9 | 7 | 6 | 7 | 4 | 16 | 3 | 3 | 7 | 10 | 17 | 4 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 7 | 0 |
| September | 4.7 | NE. | 19 | NE. | 0 | 12 | 13 | 7 | 7 | 4 | 4 | 1 | 4 | 8 | 23 | 6 | 1 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 |
| October | 4.9 | NE. | 25 | E. | 0 | 14 | 15 | 10 | 5 | 2 | 3 | 2 | 5 | 6 | 21 | 7 | 3 | 6 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 |
| November | 4.9 | SE. | 24 | SW. | 0 | 11 | 10 | 6 | 16 | 2 | 2 | 2 | 3 | 8 | 19 | 5 | 6 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 0 |
| December | 6.2 | S. | 29 | W. | 0 | 9 | 7 | 6 | 7 | 11 | 8 | 5 | 5 | 4 | 8 | 5 | 18 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 7 | 0 |
| Year | 5.4 | SW. | 48 | NE. | 2 | 109 | 108 | 60 | 83 | 82 | 123 | 47 | 79 | 46 | 167 | 95 | 104 | 97 | 80 | 3 | 0 | 3 | 11 | 3 | 46 | 36 | 68 | 0 |

## MIAMI, FLA.

[$H_b$=25 ft.; $h_t$=71 ft.; $h_r$=64 ft.; $h_a$=79 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Aurorus. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.7 | E. | 30 | E. | 0 | 3 | 3 | 32 | 13 | 2 | 1 | 1 | 7 | 0 | 8 | 19 | 4 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 9.4 | NW. | 30 | W. | 0 | 6 | 4 | 8 | 5 | 6 | 3 | 11 | 13 | 2 | 14 | 7 | 8 | 6 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| March | 8.8 | NW. | 31 | SW. | 0 | 10 | 2 | 3 | 8 | 14 | 5 | 7 | 13 | 0 | 21 | 8 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 9.6 | E. | 27 | W. | 0 | 5 | 7 | 12 | 12 | 7 | 2 | 3 | 12 | 0 | 12 | 10 | 8 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| May | 9.3 | E. | 25 | E. | 0 | 0 | 6 | 12 | 9 | 14 | 5 | 6 | 9 | 1 | 4 | 18 | 9 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 |
| June | 7.7 | SE. | 36 | W. | 0 | 3 | 9 | 12 | 13 | 14 | 4 | 2 | 1 | 2 | 6 | 14 | 10 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 |
| July | 8.7 | E. | 31 | E. | 0 | 2 | 5 | 17 | 20 | 10 | 1 | 5 | 2 | 0 | 5 | 13 | 13 | 20 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| August | 8.8 | E. | 40 | S. | 1 | 3 | 8 | 27 | 14 | 2 | 4 | 2 | 2 | 0 | 10 | 9 | 12 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 |
| September | 7.8 | E. | 29 | S. | 0 | 12 | 8 | 16 | 8 | 6 | 3 | 1 | 6 | 0 | 6 | 11 | 13 | 20 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| October | 10.0 | E. | 32 | NE. | 0 | 12 | 10 | 16 | 10 | 3 | 0 | 1 | 10 | 0 | 11 | 13 | 7 | 15 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| November | 14.9 | E. | 33 | NE. | 0 | 4 | 16 | 22 | 3 | 2 | 0 | 1 | 12 | 0 | 8 | 9 | 13 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December | 7.6 | SE. | 30 | W. | 0 | 4 | 3 | 9 | 17 | 6 | 5 | 6 | 12 | 0 | 16 | 13 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Year | 9.5 | E. | 40 | S. | 1 | 64 | 81 | 186 | 132 | 86 | 33 | 46 | 99 | 5 | 121 | 144 | 101 | 124 | 95 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 52 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

## MILES CITY, MONT.

[$\phi$=46° 25′ N.; $\lambda$=105° 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 | 27.546 | 28.010 | 26.800 | -11.1 | -3.3 | 4.4 | -17.0 | -6.3 | 43 | -46 | -14 | -10 | 86 | 69 | 0.022 | 0.029 | 1.38 | 0.50 | 4.5 | 3.7 | 4.1 |
| February | 27.620 | 28.010 | 27.070 | 12.1 | 21.5 | 28.4 | 7.5 | 18.0 | 50 | -28 | 9 | 16 | 86 | 77 | .085 | .108 | .18 | .07 | 4.7 | 5.6 | 5.3 |
| March | 27.414 | 27.920 | 26.802 | 27.3 | 44.3 | 50.1 | 25.3 | 37.7 | 71 | -9 | 24 | 31 | 86 | 62 | .138 | .186 | .35 | .13 | 6.0 | 6.0 | 5.4 |
| April | 27.487 | 27.860 | 27.020 | 34.8 | 55.7 | 59.3 | 33.2 | 46.2 | 82 | 18 | 30 | 32 | 83 | 42 | .168 | .180 | .22 | .12 | 5.1 | 5.1 | 4.3 |
| May | 27.354 | 27.720 | 26.850 | 45.0 | 61.2 | 65.8 | 41.9 | 53.8 | 88 | 30 | 38 | 38 | 77 | 47 | .239 | .239 | 1.30 | .61 | 5.4 | 6.1 | 5.3 |
| June | 27.392 | 27.620 | 27.055 | 55.2 | 71.1 | 75.6 | 51.3 | 63.4 | 90 | 38 | 48 | 51 | 76 | 52 | .338 | .384 | 3.96 | .75 | 6.6 | 5.8 | 4.7 |
| July | 27.413 | 27.830 | 26.950 | 66.9 | 87.5 | 91.0 | 63.2 | 77.1 | 104 | 52 | 59 | 57 | 78 | 42 | .510 | .475 | 2.61 | .70 | 3.7 | 2.7 | 1.8 |
| August | 27.461 | 27.810 | 27.030 | 58.3 | 80.9 | 85.9 | 56.6 | 71.2 | 102 | 46 | 51 | 53 | 78 | 42 | .385 | .412 | 1.51 | .96 | 3.8 | 3.6 | 2.3 |
| September | 27.450 | 27.970 | 27.080 | 47.3 | 67.7 | 75.3 | 46.2 | 60.8 | 102 | 34 | 42 | 47 | 82 | 49 | .272 | .324 | 1.35 | 1.03 | 4.2 | 3.5 | 3.0 |
| October | 27.536 | 28.060 | 27.030 | 35.7 | 48.4 | 55.8 | 34.1 | 45.0 | 78 | 26 | 32 | 34 | 87 | 59 | .185 | .202 | .58 | .18 | 5.9 | 4.4 | 4.4 |
| November | 27.535 | 28.130 | 26.710 | 27.2 | 37.7 | 46.7 | 24.0 | 35.4 | 72 | -12 | 22 | 25 | 79 | 61 | .126 | .138 | .39 | .14 | 3.6 | 3.6 | 3.1 |
| December | 27.398 | 27.880 | 26.926 | 4.9 | 12.3 | 19.6 | 0.4 | 10.0 | 58 | -28 | 0 | 4 | 80 | 70 | .054 | .065 | 1.99 | .70 | 4.8 | 5.9 | 4.9 |
| Year | 27.467 | 28.130 | 26.710 | 33.6 | 48.8 | 54.8 | 30.7 | 42.7 | 104 | -46 | 28 | 32 | 82 | 56 | .210 | .228 | 15.82 | 1.03 | 4.9 | 4.7 | 4.0 |

## WILWAUKEE, WIS.

[$\phi$=43° 2′ N.; $\lambda$=87° 54′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.332 | 29.860 | 28.650 | 22.5 | 25.2 | 32.9 | 15.1 | 24.0 | 56 | -15 | 18 | 21 | 83 | 82 | 0.122 | 0.134 | 3.08 | 0.73 | 6.6 | 5.5 | 6.3 |
| February | 29.387 | 29.940 | 28.940 | 16.7 | 20.9 | 25.9 | 13.4 | 19.6 | 44 | -8 | 14 | 16 | 86 | 82 | .086 | .098 | .47 | .30 | 6.4 | 4.6 | 5.4 |
| March | 29.230 | 29.690 | 28.410 | 25.5 | 32.2 | 36.5 | 22.9 | 29.7 | 58 | 8 | 23 | 27 | 88 | 82 | .128 | .159 | 2.38 | .90 | 6.6 | 5.5 | 6.2 |
| April | 29.209 | 29.550 | 28.680 | 41.0 | 45.5 | 52.1 | 37.4 | 44.8 | 69 | 23 | 37 | 37 | 87 | 74 | .229 | .227 | 2.66 | 1.22 | 4.7 | 6.1 | 5.3 |
| May | 29.144 | 29.560 | 28.610 | 52.9 | 56.5 | 62.5 | 47.3 | 54.9 | 87 | 35 | 43 | 43 | 71 | 64 | .292 | .294 | 2.39 | .73 | 4.9 | 5.3 | 5.2 |
| June | 29.121 | 29.610 | 28.440 | 57.3 | 61.3 | 66.6 | 53.3 | 60.0 | 81 | 47 | 52 | 51 | 83 | 72 | .390 | .388 | 6.60 | 2.89 | 4.7 | 6.0 | 5.4 |
| July | 29.286 | 29.530 | 29.030 | 73.2 | 77.2 | 84.3 | 68.2 | 76.2 | 102 | 58 | 64 | 62 | 73 | 60 | .602 | .571 | 1.56 | .76 | 2.0 | 2.3 | 2.0 |
| August | 29.277 | 29.570 | 29.030 | 68.8 | 73.9 | 81.3 | 65.0 | 73.2 | 97 | 54 | 60 | 62 | 75 | 68 | .546 | .582 | 6.03 | 2.18 | 2.8 | 3.8 | 3.5 |
| September | 29.265 | 29.580 | 28.770 | 55.3 | 61.0 | 68.4 | 52.1 | 60.2 | 87 | 36 | 48 | 50 | 78 | 69 | .361 | .384 | 5.21 | 2.61 | 4.7 | 4.5 | 4.7 |
| October | 29.305 | 29.750 | 28.460 | 46.1 | 50.2 | 57.5 | 42.7 | 50.1 | 83 | 31 | 40 | 41 | 79 | 72 | .254 | .262 | 3.68 | 1.74 | 4.1 | 4.4 | 4.6 |
| November | 29.298 | 29.710 | 28.490 | 35.8 | 39.0 | 44.9 | 31.8 | 38.4 | 63 | 10 | 30 | 31 | 79 | 74 | .179 | .183 | 2.18 | .98 | 5.2 | 4.8 | 5.5 |
| December | 29.207 | 29.780 | 28.750 | 17.7 | 21.8 | 28.3 | 13.8 | 21.0 | 58 | -9 | 14 | 17 | 85 | 82 | .096 | .116 | 1.81 | .60 | 5.0 | 4.5 | 4.6 |
| Year | 29.255 | 29.940 | 28.410 | 42.7 | 47.1 | 53.4 | 38.6 | 46.0 | 102 | -15 | 37 | 38 | 81 | 73 | .274 | .283 | 38.05 | 2.89 | 4.8 | 4.8 | 4.9 |

## MINNEAPOLIS, MINN.

[$\phi$=44° 59′ N.; $\lambda$=93° 18′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.078 | 29.650 | 28.330 | ..... | 11.8 | 20.6 | -0.5 | 10.0 | 44 | -30 | .... | 8 | .... | 84 | ..... | 0.073 | 2.88 | 0.73 | ..... | 4.6 | 6.5 |
| February | 29.164 | 29.740 | 28.770 | ..... | 14.9 | 19.2 | 2.9 | 11.0 | 47 | -20 | .... | 9 | .... | 77 | ..... | .073 | .32 | .08 | ..... | 4.7 | 5.9 |
| March | 28.996 | 29.470 | 28.200 | ..... | 29.8 | 34.6 | 17.4 | 26.0 | 57 | -8 | .... | 22 | .... | 70 | ..... | .126 | 1.19 | .34 | ..... | 5.8 | 6.1 |
| April | 28.970 | 29.380 | 28.390 | ..... | 47.1 | 51.4 | 35.7 | 43.6 | 66 | 14 | .... | 34 | .... | 62 | ..... | .204 | 3.07 | 1.18 | ..... | 7.0 | 7.0 |
| May | 28.827 | 29.290 | 28.260 | ..... | 60.5 | 66.1 | 47.7 | 56.9 | 83 | 34 | .... | 50 | .... | 70 | ..... | .383 | 6.97 | 1.86 | ..... | 6.3 | 6.9 |
| June | 28.884 | 29.150 | 28.510 | ..... | 66.7 | 70.8 | 55.0 | 62.9 | 85 | 48 | .... | 56 | .... | 70 | ..... | .465 | 4.54 | 1.40 | ..... | 7.3 | 7.3 |
| July | 28.990 | 29.320 | 28.817 | ..... | 84.6 | 88.3 | 69.6 | 79.0 | 97 | 60 | .... | 66 | .... | 59 | ..... | .705 | 1.27 | .59 | ..... | 3.5 | 4.4 |
| August | 28.979 | 29.330 | 28.640 | ..... | 76.7 | 81.7 | 62.4 | 72.0 | 97 | 49 | .... | 59 | .... | 56 | ..... | .521 | 1.66 | .49 | ..... | 4.5 | 5.1 |
| September | 28.957 | 29.310 | 28.520 | ..... | 63.0 | 69.0 | 50.5 | 59.8 | 91 | 35 | .... | 48 | .... | 59 | ..... | .358 | 2.42 | .70 | ..... | 5.5 | 6.5 |
| October | 29.012 | 29.530 | 28.540 | ..... | 49.9 | 55.4 | 38.4 | 46.9 | 79 | 22 | .... | 36 | .... | 61 | ..... | .221 | 1.60 | .73 | ..... | 4.6 | 6.2 |
| November | 29.041 | 29.560 | 28.510 | ..... | 37.0 | 42.0 | 27.2 | 34.6 | 72 | 9 | .... | 25 | .... | 61 | ..... | .137 | .58 | .42 | ..... | 4.8 | 5.7 |
| December | 28.939 | 29.540 | 28.490 | ..... | 15.3 | 20.4 | 4.4 | 12.4 | 55 | -24 | .... | 9 | .... | 77 | ..... | .072 | .98 | .38 | ..... | 3.6 | 5.6 |
| Year | 28.987 | 29.740 | 28.200 | ..... | 46.4 | 51.6 | 34.2 | 42.9 | 97 | -30 | .... | 35 | .... | 67 | ..... | .278 | 27.48 | 1.86 | ..... | 5.2 | 6.1 |

## MOBILE, ALA.

[$\phi$=30° 41′ N.; $\lambda$=88° 2′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.146 | 30.400 | 29.890 | 53.0 | 59.5 | 64.9 | 49.6 | 57.2 | 77 | 25 | 51 | 55 | 92 | 85 | 0.404 | 0.464 | 3.06 | 1.44 | 5.4 | 4.3 | 5.7 |
| February | 30.092 | 30.530 | 29.622 | 47.0 | 54.4 | 62.7 | 43.2 | 53.0 | 77 | 23 | 40 | 43 | 77 | 67 | .273 | .304 | 3.20 | 1.56 | 3.8 | 2.3 | 4.3 |
| March | 29.995 | 30.410 | 29.620 | 53.6 | 61.5 | 69.3 | 50.5 | 59.9 | 83 | 33 | 47 | 49 | 79 | 66 | .349 | .382 | 2.60 | 1.05 | 4.8 | 3.6 | 3.9 |
| April | 29.961 | 30.290 | 29.570 | 59.8 | 66.5 | 73.3 | 56.3 | 64.8 | 84 | 40 | 53 | 53 | 80 | 65 | .424 | .429 | 6.64 | 3.73 | 3.2 | 3.4 | 4.4 |
| May | 29.896 | 30.100 | 29.680 | 71.2 | 78.2 | 84.8 | 68.1 | 76.4 | 96 | 59 | 64 | 66 | 80 | 67 | .617 | .644 | 6.08 | 2.97 | 2.4 | 3.6 | 3.5 |
| June | 29.887 | 30.090 | 29.620 | 75.9 | 79.5 | 87.4 | 71.8 | 79.6 | 94 | 66 | 70 | 71 | 81 | 76 | .724 | .757 | 5.49 | 1.27 | 3.4 | 5.9 | 5.1 |
| July | 29.856 | 30.066 | 28.863 | 77.3 | 79.0 | 86.4 | 73.6 | 80.0 | 94 | 69 | 73 | 73 | 87 | 83 | .812 | .815 | 20.50 | 8.06 | 4.8 | 7.6 | 6.9 |
| August | 29.960 | 30.170 | 29.780 | 77.3 | 81.9 | 89.8 | 74.3 | 82.0 | 95 | 68 | 72 | 72 | 85 | 73 | .798 | .792 | 5.46 | 2.19 | 3.5 | 4.5 | 4.5 |
| September | 29.948 | 30.090 | 29.760 | 70.8 | 78.3 | 85.6 | 68.5 | 77.0 | 93 | 50 | 65 | 67 | 82 | 70 | .637 | .668 | 6.68 | 3.11 | 2.3 | 3.2 | 3.7 |
| October | 29.976 | 30.230 | 29.160 | 61.3 | 72.1 | 78.3 | 59.4 | 68.8 | 90 | 41 | 55 | 59 | 80 | 64 | .463 | .526 | 2.52 | 2.00 | 2.0 | 2.0 | 2.9 |
| November | 30.098 | 30.423 | 29.740 | 52.5 | 61.8 | 69.4 | 50.5 | 60.0 | 82 | 29 | 45 | 48 | 77 | 64 | .332 | .384 | 2.61 | 1.26 | 3.2 | 2.3 | 3.5 |
| December | 30.004 | 30.280 | 29.620 | 50.1 | 55.6 | 61.4 | 46.4 | 53.9 | 77 | 31 | 45 | 48 | 84 | 78 | .341 | .375 | 6.68 | 1.93 | 4.8 | 4.7 | 6.3 |
| Year | 29.985 | 30.530 | 28.863 | 62.5 | 69.0 | 76.1 | 59.4 | 67.7 | 96 | 23 | 57 | 59 | 82 | 72 | .514 | .547 | 71.54 | 8.06 | 3.6 | 4.0 | 4.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

MILES CITY, MONT.

[$H_b$=2,371 ft.; $h_t$=48 ft.; $h_r$=39 ft.; $h_a$=55 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 5.2 | NW. | 27 | NW. | 0 | 9 | 8 | 2 | 4 | 5 | 12 | 7 | 15 | 0 | 17 | 7 | 7 | 9 | 8 | 11 | 9 | 0 | 0 | 29 | 0 | 31 | 0 | 0 |
| February | 4.9 | NE. | 28 | W. | 0 | 5 | 13 | 2 | 3 | 10 | 11 | 8 | 6 | 0 | 9 | 13 | 7 | 4 | 3 | 8 | 4 | 0 | 1 | 17 | 0 | 29 | 0 | 0 |
| March | 6.1 | NE. | 34 | NW. | 0 | 9 | 19 | 7 | 5 | 10 | 1 | 4 | 7 | 0 | 12 | 10 | 9 | 10 | 4 | 8 | 7 | 0 | 0 | 30 | 0 | 22 | 0 | 0 |
| April | 6.9 | N. | 30 | NW. | 0 | 14 | 5 | 2 | 4 | 12 | 7 | 7 | 9 | 0 | 13 | 11 | 6 | 4 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 16 | 0 | 0 |
| May | 7.2 | W. | 36 | NW. | 0 | 5 | 10 | 8 | 7 | 4 | 8 | 10 | 10 | 0 | 6 | 18 | 7 | 10 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| June | 7.1 | NW. | 34 | W. | 0 | 5 | 12 | 1 | 7 | 6 | 6 | 12 | 11 | 0 | 7 | 20 | 3 | 17 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 |
| July | 5.7 | NE. | 40 | NE. | 1 | 12 | 19 | 8 | 6 | 7 | 4 | 6 | 0 | 0 | 25 | 6 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 9 | 0 |
| August | 4.5 | NE. | 21 | SW. | 0 | 9 | 18 | 7 | 3 | 10 | 5 | 4 | 6 | 0 | 21 | 9 | 1 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 4 | 1 |
| September | 5.7 | N. | 28 | W. | 0 | 10 | 9 | 6 | 4 | 9 | 7 | 8 | 7 | 0 | 20 | 8 | 2 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| October | 5.9 | SE. | 27 | W. | 0 | 6 | 13 | 0 | 16 | 6 | 8 | 4 | 9 | 0 | 13 | 12 | 6 | 10 | 7 | 5 | 5 | 0 | 0 | 0 | 0 | 14 | 0 | 0 |
| November | 6.1 | SE. | 30 | SW. | 0 | 6 | 3 | 1 | 22 | 5 | 5 | 9 | 9 | 0 | 17 | 10 | 3 | 7 | 6 | 5 | 4 | 0 | 0 | 3 | 0 | 23 | 0 | 0 |
| December | 6.0 | SE. | 27 | SW. | 0 | 6 | 7 | 3 | 10 | 9 | 8 | 7 | 12 | 0 | 8 | 17 | 6 | 15 | 9 | 18 | 15 | 0 | 0 | 24 | 0 | 30 | 0 | 0 |
| Year | 5.9 | NE. | 40 | NE. | 1 | 96 | 136 | 47 | 91 | 93 | 82 | 86 | 101 | 0 | 168 | 141 | 57 | 112 | 76 | 61 | 46 | 1 | 1 | 103 | 37 | 169 | 25 | 1 |

MILWAUKEE, WIS.

[$H_b$=681 ft.; $h_t$=125 ft.; $h_r$=117 ft.; $h_a$=139 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.5 | W. | 44 | E. | 2 | 2 | 3 | 2 | 5 | 8 | 16 | 18 | 8 | 0 | 8 | 8 | 15 | 14 | 13 | 10 | 5 | 0 | 3 | 12 | 0 | 26 | 0 | 0 |
| February | 10.3 | NW. | 32 | NE. | 0 | 8 | 3 | 1 | 3 | 2 | 8 | 16 | 17 | 0 | 9 | 10 | 10 | 8 | 2 | 17 | 8 | 0 | 0 | 21 | 0 | 28 | 0 | 0 |
| March | 12.7 | N. | 40 | N. | 1 | 20 | 4 | 3 | 8 | 3 | 7 | 10 | 7 | 0 | 5 | 14 | 12 | 11 | 8 | 13 | 7 | 0 | 1 | 11 | 0 | 25 | 1 | 0 |
| April | 11.2 | W. | 39 | E. | 0 | 10 | 5 | 6 | 6 | 3 | 9 | 15 | 6 | 0 | 13 | 6 | 11 | 10 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 6 | 2 | 0 |
| May | 10.7 | SW. | 38 | SW. | 0 | 13 | 2 | 8 | 6 | 4 | 12 | 13 | 4 | 0 | 10 | 13 | 8 | 13 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 |
| June | 9.2 | W. | 56 | SE. | 1 | 12 | 8 | 7 | 8 | 2 | 8 | 12 | 3 | 0 | 8 | 15 | 7 | 17 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 0 |
| July | 7.8 | N. | 44 | N. | 1 | 12 | 14 | 5 | 7 | 7 | 4 | 9 | 4 | 0 | 25 | 6 | 0 | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 6 | 0 |
| August | 8.2 | SW. | 42 | NE. | 1 | 9 | 5 | 7 | 10 | 6 | 11 | 9 | 5 | 0 | 15 | 13 | 3 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 5 | 1 |
| September | 9.4 | SW. | 30 | S. | 0 | 5 | 3 | 3 | 7 | 7 | 17 | 16 | 2 | 0 | 16 | 3 | 11 | 11 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 |
| October | 11.0 | SW. | 39 | NW. | 0 | 10 | 3 | 3 | 9 | 5 | 16 | 9 | 7 | 0 | 14 | 7 | 10 | 13 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| November | 11.1 | SW. | 31 | SW. | 0 | 5 | 7 | 4 | 2 | 2 | 16 | 14 | 10 | 0 | 11 | 5 | 14 | 7 | 6 | 6 | 1 | 1 | 1 | 5 | 0 | 13 | 0 | 0 |
| December | 11.3 | W. | 45 | SE. | 1 | 1 | 1 | 2 | 8 | 3 | 13 | 20 | 14 | 0 | 16 | 5 | 10 | 12 | 7 | 11 | 8 | 0 | 2 | 19 | 0 | 24 | 1 | 0 |
| Year | 10.4 | W. | 56 | SE. | 7 | 107 | 58 | 51 | 79 | 52 | 137 | 161 | 87 | 0 | 150 | 105 | 111 | 128 | 94 | 59 | 29 | 5 | 9 | 68 | 12 | 124 | 44 | 1 |

MINNEAPOLIS, MINN.

[$H_b$=918 ft.; $h_t$=102 ft.; $h_r$=92 ft.; $h_a$=208 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.0 | NW. | 48 | NW. | 2 | 4 | 0 | 1 | 2 | 5 | 1 | 9 | 9 | 0 | 7 | 9 | 15 | 11 | 9 | 13 | 11 | 0 | 0 | 20 | 0 | 31 | 0 | 0 |
| February | 10.6 | NW. | 34 | NW. | 0 | 1 | 3 | 1 | 0 | 6 | 3 | 7 | 8 | 0 | 8 | 7 | 14 | 10 | 4 | 14 | 10 | 0 | 2 | 22 | 0 | 29 | 0 | 0 |
| March | 12.2 | NW. | 43 | NW. | 1 | 5 | 4 | 2 | 4 | 2 | 1 | 5 | 8 | 0 | 10 | 8 | 13 | 8 | 6 | 10 | 6 | 0 | 0 | 13 | 0 | 26 | 1 | 1 |
| April | 12.7 | N. | 38 | NW. | 0 | 9 | 2 | 0 | 3 | 7 | 0 | 3 | 6 | 0 | 5 | 7 | 18 | 11 | 8 | 5 | 4 | 0 | 0 | 1 | 0 | 8 | 1 | 3 |
| May | 13.7 | W. | 48 | W. | 3 | 2 | 2 | 4 | 6 | 1 | 3 | 7 | 6 | 0 | 5 | 10 | 16 | 15 | 15 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 11 | 0 |
| June | 11.7 | NW. | 36 | N. | 0 | 5 | 3 | 2 | 7 | 2 | 0 | 3 | 8 | 0 | 2 | 13 | 15 | 14 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| July | 9.6 | S. | 28 | E. | 0 | 1 | 4 | 0 | 8 | 9 | 3 | 2 | 4 | 0 | 15 | 9 | 7 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 8 | 1 |
| August | 10.2 | S. | 32 | SW. | 0 | 4 | 1 | 1 | 1 | 9 | 3 | 7 | 5 | 0 | 13 | 11 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 9 | 3 |
| September | 11.1 | S. | 36 | S. | 0 | 2 | 1 | 0 | 1 | 13 | 2 | 4 | 7 | 0 | 8 | 6 | 16 | 13 | 10 | 1 | 0 | 0 | 3 | 0 | 1 | 0 | 6 | 2 |
| October | 12.9 | S. | 48 | NW. | 1 | 7 | 0 | 1 | 1 | 9 | 3 | 4 | 6 | 0 | 8 | 7 | 16 | 7 | 7 | 3 | 2 | 0 | 1 | 0 | 0 | 9 | 2 | 0 |
| November | 11.0 | NW. | 43 | NW. | 1 | 2 | 2 | 0 | 4 | 5 | 6 | 4 | 7 | 0 | 8 | 8 | 14 | 5 | 4 | 5 | 1 | 0 | 0 | 7 | 0 | 21 | 0 | 0 |
| December | 11.4 | W. | 42 | NW. | 2 | 4 | 1 | 3 | 1 | 6 | 4 | 9 | 3 | 0 | 11 | 6 | 14 | 10 | 6 | 14 | 9 | 0 | 0 | 22 | 0 | 29 | 0 | 0 |
| Year | 11.7 | NW. | 48 | NW. | 10 | 46 | 23 | 15 | 38 | 74 | 29 | 64 | 77 | 0 | 100 | 101 | 165 | 119 | 93 | 66 | 43 | 3 | 6 | 85 | 20 | 153 | 49 | 10 |

MOBILE, ALA.

[$H_b$=57 ft.; $h_t$=125 ft.; $h_r$=119 ft.; $h_a$=161 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.9 | SE. | 45 | N. | 1 | 13 | 7 | 5 | 20 | 11 | 2 | 1 | 3 | 0 | 7 | 17 | 7 | 10 | 6 | 0 | 0 | 0 | 7 | 0 | 0 | 5 | 1 | 0 |
| February | 11.0 | N. | 37 | NW. | 0 | 16 | 4 | 1 | 3 | 10 | 6 | 5 | 11 | 2 | 12 | 14 | 3 | 6 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 2 | 0 |
| March | 12.0 | SW. | 46 | SE. | 1 | 11 | 5 | 0 | 4 | 13 | 18 | 3 | 8 | 0 | 15 | 11 | 5 | 8 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 0 |
| April | 9.9 | NW. | 36 | SE. | 0 | 9 | 1 | 6 | 8 | 11 | 6 | 2 | 17 | 0 | 11 | 15 | 4 | 7 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 | 0 |
| May | 9.0 | SW. | 55 | SE. | 2 | 9 | 7 | 3 | 9 | 8 | 12 | 4 | 10 | 0 | 18 | 10 | 3 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 7 | 0 |
| June | 8.4 | SW. | 39 | N. | 0 | 9 | 3 | 1 | 3 | 10 | 19 | 4 | 11 | 0 | 7 | 19 | 4 | 13 | 13 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 11 | 0 |
| July | 10.0 | S. | 107 | E. | 3 | 1 | 10 | 4 | 4 | 20 | 9 | 11 | 3 | 0 | 4 | 14 | 13 | 21 | 18 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 17 | 0 |
| August | 7.5 | SW. | 63 | NE. | 1 | 7 | 10 | 2 | 6 | 11 | 17 | 4 | 5 | 0 | 13 | 11 | 7 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 12 | 0 |
| September | 9.2 | N. | 33 | SE. | 0 | 18 | 13 | 6 | 3 | 7 | 7 | 3 | 3 | 0 | 14 | 11 | 5 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 |
| October | 9.9 | N. | 115 | E. | 1 | 22 | 17 | 5 | 3 | 3 | 3 | 1 | 8 | 0 | 21 | 6 | 4 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| November | 10.4 | N. | 38 | N. | 0 | 18 | 9 | 8 | 7 | 7 | 3 | 1 | 7 | 0 | 17 | 8 | 5 | 7 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| December | 10.0 | SE. | 41 | NW. | 1 | 12 | 6 | 9 | 12 | 10 | 4 | 3 | 6 | 0 | 10 | 3 | 18 | 13 | 11 | 0 | 0 | 0 | 6 | 0 | 0 | 4 | 6 | 0 |
| Year | 9.9 | N. | 115 | E. | 10 | 145 | 92 | 50 | 82 | 121 | 106 | 42 | 92 | 2 | 149 | 139 | 78 | 113 | 99 | 0 | 0 | 0 | 26 | 0 | 44 | 15 | 73 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

MODENA, UTAH.

[$\phi$=37° 48′ N.; $\lambda$=113° 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 | 24.465 | 24.920 | 23.690 | 20.7 | 28.9 | 34.1 | 14.6 | 24.4 | 44 | −17 | 17 | 23 | 84 | 76 | 0.100 | 0.123 | 3.47 | 1.19 | 5.8 | 6.7 | 6.3 |
| February | 24.686 | 25.000 | 24.251 | 27.1 | 43.6 | 47.9 | 24.3 | 36.1 | 59 | − 8 | 23 | 27 | 83 | 54 | .125 | .150 | .52 | .26 | 4.8 | 4.7 | 4.1 |
| March | 24.629 | 24.940 | 23.910 | 30.5 | 54.0 | 57.8 | 27.3 | 42.6 | 72 | 3 | 24 | 22 | 75 | 32 | .129 | .120 | 1.50 | .49 | 2.3 | 3.8 | 3.1 |
| April | 24.578 | 24.850 | 24.320 | 35.0 | 60.3 | 63.9 | 32.4 | 48.2 | 78 | 21 | 21 | 16 | 56 | 20 | .112 | .090 | .23 | .15 | 2.9 | 4.5 | 3.4 |
| May | 24.510 | 24.750 | 24.090 | 37.2 | 65.5 | 68.6 | 34.8 | 51.7 | 80 | 21 | 20 | 20 | 50 | 22 | .110 | .119 | .62 | .62 | 2.1 | 3.4 | 2.6 |
| June | 24.558 | 24.790 | 24.220 | 45.9 | 79.1 | 81.7 | 44.3 | 63.0 | 91 | 32 | 22 | 18 | 40 | 10 | .118 | .100 | .01 | .01 | 1.0 | 1.9 | 1.7 |
| July | 24.635 | 24.820 | 24.444 | 55.4 | 80.3 | 85.2 | 53.3 | 69.2 | 92 | 42 | 40 | 39 | 59 | 31 | .268 | .276 | 4.72 | 1.86 | 2.2 | 4.0 | 3.5 |
| August | 24.653 | 24.860 | 24.410 | 52.2 | 75.7 | 81.2 | 50.5 | 65.8 | 88 | 43 | 40 | 37 | 67 | 31 | .268 | .244 | 1.97 | .59 | 1.4 | 3.9 | 3.0 |
| September | 24.649 | 24.860 | 24.410 | 44.2 | 73.9 | 78.4 | 42.5 | 60.4 | 85 | 32 | 30 | 26 | 56 | 18 | .171 | .145 | .71 | .88 | .9 | 2.1 | 1.9 |
| October | 24.623 | 24.970 | 24.240 | 33.1 | 53.7 | 59.2 | 30.7 | 45.0 | 69 | 20 | 27 | 26 | 78 | 36 | .151 | .146 | 2.18 | .93 | 2.2 | 2.6 | 2.7 |
| November | 24.721 | 25.001 | 24.300 | 20.7 | 40.1 | 49.8 | 17.4 | 33.6 | 74 | 5 | 10 | 13 | 64 | 34 | .067 | .079 | .07 | .07 | 1.1 | 2.3 | 2.4 |
| December | 24.551 | 24.920 | 23.803 | 16.4 | 27.4 | 37.1 | 9.6 | 23.4 | 56 | −24 | 8 | 14 | 71 | 58 | .073 | .087 | .67 | .61 | 3.7 | 3.2 | 3.8 |
| Year | 24.605 | 25.001 | 23.690 | 34.9 | 56.9 | 62.1 | 31.8 | 47.0 | 92 | −24 | 24 | 23 | 65 | 35 | .141 | .140 | 16.67 | 1.86 | 2.5 | 3.6 | 3.2 |

MONTGOMERY, ALA.

[$\phi$=32° 23′ N.; $\lambda$=86° 18′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.998 | 30.280 | 29.690 | 49.8 | 58.4 | 64.7 | 46.0 | 55.4 | 77 | 21 | 45 | 47 | 83 | 68 | 0.337 | 0.362 | 3.63 | 2.12 | 6.1 | 4.6 | 5.8 |
| February | 29.908 | 30.370 | 29.350 | 42.6 | 53.6 | 60.8 | 38.7 | 49.8 | 74 | 21 | 36 | 36 | 76 | 53 | .228 | .225 | 4.84 | 1.66 | 4.8 | 3.4 | 4.1 |
| March | 29.800 | 30.220 | 29.360 | 48.6 | 61.3 | 67.8 | 45.4 | 56.6 | 84 | 28 | 40 | 42 | 72 | 50 | .270 | .293 | 2.54 | 1.87 | 4.7 | 3.1 | 4.3 |
| April | 29.776 | 30.110 | 29.400 | 56.7 | 68.4 | 74.1 | 53.2 | 63.6 | 86 | 37 | 48 | 46 | 73 | 47 | .342 | .325 | 2.23 | .98 | 4.2 | 3.1 | 3.9 |
| May | 29.726 | 29.980 | 29.500 | 69.5 | 79.9 | 86.2 | 64.5 | 75.4 | 99 | 52 | 60 | 58 | 73 | 49 | .533 | .489 | 2.99 | 2.00 | 2.7 | 3.5 | 3.0 |
| June | 29.705 | 29.930 | 29.380 | 74.2 | 81.5 | 89.3 | 69.1 | 79.2 | 94 | 58 | 67 | 64 | 78 | 58 | .661 | .608 | 2.81 | .92 | 4.5 | 6.4 | 5.3 |
| July | 29.708 | 29.940 | 29.420 | 75.6 | 79.5 | 86.3 | 72.0 | 79.2 | 95 | 69 | 72 | 72 | 88 | 78 | .781 | .773 | 13.34 | 5.73 | 7.3 | 7.9 | 7.4 |
| August | 29.793 | 30.000 | 29.580 | 75.5 | 82.3 | 89.9 | 71.5 | 80.7 | 96 | 65 | 71 | 69 | 85 | 66 | .751 | .717 | 3.28 | .96 | 4.0 | 5.3 | 4.8 |
| September | 29.799 | 29.980 | 29.580 | 68.8 | 77.1 | 85.2 | 64.7 | 75.0 | 93 | 45 | 62 | 62 | 79 | 61 | .575 | .568 | 1.66 | .65 | 2.4 | 2.6 | 3.5 |
| October | 29.833 | 30.110 | 29.170 | 59.4 | 70.4 | 76.6 | 55.9 | 66.2 | 90 | 38 | 52 | 52 | 78 | 55 | .421 | .425 | 1.75 | 1.63 | 3.1 | 2.5 | 3.0 |
| November | 29.945 | 30.290 | 29.460 | 48.1 | 60.6 | 68.1 | 45.2 | 56.6 | 80 | 27 | 41 | 40 | 77 | 50 | .290 | .288 | 3.24 | 2.30 | 2.6 | 2.8 | 3.0 |
| December | 29.844 | 30.160 | 29.390 | 45.0 | 53.6 | 59.6 | 41.4 | 50.5 | 74 | 26 | 40 | 42 | 81 | 67 | .274 | .299 | 3.89 | 1.31 | 5.4 | 4.7 | 5.5 |
| Year | 29.820 | 30.370 | 29.170 | 59.5 | 68.9 | 75.7 | 55.6 | 65.7 | 99 | 21 | 53 | 52 | 79 | 58 | .455 | .448 | 46.20 | 5.73 | 4.3 | 4.2 | 4.5 |

MOORHEAD, MINN.

[$\phi$=46° 52′ N.; $\lambda$=96° 44′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.111 | 29.628 | 28.330 | −6.7 | −0.4 | 8.7 | −13.2 | −2.2 | 31 | −37 | -10 | −4 | 82 | 85 | 0.032 | 0.039 | 1.49 | 0.52 | 5.3 | 4.4 | 5.0 |
| February | 29.193 | 29.740 | 28.772 | −1.5 | 7.9 | 16.1 | −6.5 | 4.8 | 40 | −30 | −5 | 5 | 82 | 84 | .040 | 0.069 | .51 | .26 | 4.4 | 4.1 | 2.8 |
| March | 29.007 | 29.474 | 28.280 | 16.7 | 23.5 | 29.5 | 12.0 | 20.8 | 49 | −24 | 15 | 20 | 90 | 87 | .099 | .119 | 1.51 | .54 | 6.1 | 4.9 | 4.1 |
| April | 28.990 | 29.420 | 28.477 | 33.8 | 43.9 | 48.4 | 31.1 | 39.8 | 70 | 10 | 32 | 35 | 90 | 73 | .183 | .208 | 2.72 | 1.07 | 5.3 | 5.8 | 5.2 |
| May | 28.820 | 29.273 | 28.170 | 45.7 | 59.4 | 64.4 | 41.6 | 53.0 | 85 | 25 | 41 | 41 | 84 | 55 | .264 | .275 | 3.76 | 1.44 | 5.0 | 4.3 | 3.6 |
| June | 28.878 | 29.157 | 28.550 | 54.7 | 66.4 | 70.6 | 50.0 | 60.3 | 84 | 40 | 51 | 53 | 87 | 64 | .376 | .409 | 4.28 | 2.27 | 5.6 | 4.4 | 5.1 |
| July | 28.951 | 29.370 | 28.676 | 69.8 | 82.0 | 86.2 | 65.6 | 75.9 | 95 | 53 | 66 | 69 | 89 | 67 | .653 | .723 | 5.30 | 1.90 | 3.0 | 2.7 | 2.1 |
| August | 28.955 | 29.370 | 28.488 | 58.8 | 72.1 | 78.4 | 56.1 | 67.2 | 95 | 42 | 57 | 60 | 93 | 67 | .477 | .545 | 2.87 | .93 | 2.2 | 3.2 | 2.6 |
| September | 28.915 | 29.325 | 28.549 | 48.3 | 58.4 | 67.2 | 45.6 | 56.4 | 90 | 29 | 46 | 51 | 92 | 77 | .329 | .390 | 2.46 | 1.16 | 5.0 | 3.2 | 4.2 |
| October | 29.009 | 29.610 | 28.440 | 35.0 | 43.8 | 52.6 | 31.3 | 42.0 | 73 | 16 | 32 | 36 | 89 | 74 | .188 | .216 | .41 | .24 | 5.7 | 5.1 | 4.6 |
| November | 29.029 | 29.643 | 28.185 | 22.8 | 32.5 | 40.2 | 19.5 | 29.8 | 65 | 0 | 19 | 26 | 86 | 76 | .112 | .140 | .10 | .08 | 4.0 | 3.1 | 3.8 |
| December | 28.937 | 29.530 | 28.290 | .2 | 5.5 | 14.4 | −5.5 | 4.4 | 53 | −31 | −3 | 0 | 83 | 78 | .050 | .055 | 1.17 | .52 | 3.8 | 3.2 | 3.5 |
| Year | 28.983 | 29.740 | 28.170 | 31.5 | 41.2 | 48.1 | 27.3 | 37.7 | 95 | −37 | 28 | 33 | 87 | 74 | .234 | .266 | 26.58 | 2.27 | 4.6 | 4.0 | 3.9 |

MOUNT TAMALPAIS, CAL.

[$\phi$=37° 56′ N.; $\lambda$=122° 35′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.428 | 28.050 | 26.450 | 36.0 | 37.7 | 40.0 | 33.3 | 36.6 | 47 | 27 | 34 | 36 | 93 | 94 | 0.201 | 0.216 | 12.61 | 1.68 | 7.5 | 4.8 | 8.3 |
| February | 27.618 | 28.050 | 27.290 | 47.6 | 49.7 | 52.5 | 44.4 | 48.4 | 65 | 36 | 38 | 42 | 73 | 78 | .233 | .268 | 4.90 | 1.84 | 4.3 | 5.4 | 6.3 |
| March | 27.615 | 27.970 | 27.150 | 47.8 | 52.1 | 55.5 | 44.0 | 49.8 | 72 | 31 | 35 | 39 | 68 | 67 | .212 | .245 | 1.32 | .48 | 1.8 | 3.3 | 4.1 |
| April | 27.599 | 27.790 | 27.389 | 49.5 | 57.3 | 61.3 | 45.3 | 53.3 | 75 | 36 | 32 | 37 | 54 | 50 | .182 | .222 | .05 | .04 | .8 | 1.6 | 1.8 |
| May | 27.535 | 27.810 | 27.240 | 49.2 | 55.1 | 61.4 | 46.3 | 53.8 | 75 | 35 | 31 | 35 | 57 | 52 | .189 | .209 | .17 | .17 | 1.4 | 1.6 | 2.6 |
| June | 27.512 | 27.690 | 27.329 | 55.8 | 64.4 | 68.7 | 51.4 | 60.0 | 86 | 38 | 35 | 40 | 56 | 46 | .214 | .257 | .02 | .02 | .6 | 1.1 | 2.2 |
| July | 27.506 | 27.650 | 27.290 | 64.5 | 72.1 | 76.4 | 60.6 | 68.5 | 93 | 47 | 39 | 41 | 44 | 38 | .244 | .271 | .09 | .09 | .4 | .4 | .5 |
| August | 27.507 | 27.660 | 27.360 | 64.9 | 70.6 | 75.7 | 59.0 | 67.4 | 92 | 46 | 40 | 43 | 45 | 42 | .256 | .287 | .27 | .15 | 1.4 | .9 | 1.3 |
| September | 27.530 | 27.680 | 27.370 | 61.8 | 67.4 | 73.4 | 57.7 | 65.6 | 89 | 40 | 36 | 41 | 49 | 45 | .234 | .267 | 1.29 | .68 | 1.0 | 1.7 | 2.0 |
| October | 27.568 | 27.860 | 27.252 | 51.7 | 54.7 | 58.8 | 48.1 | 53.4 | 70 | 38 | 38 | 40 | 64 | 62 | .232 | .252 | .85 | .32 | 2.2 | 1.8 | 3.0 |
| November | 27.675 | 27.870 | 27.370 | 46.5 | 48.7 | 52.7 | 42.5 | 47.6 | 64 | 34 | 25 | 29 | 52 | 53 | .159 | .172 | 1.95 | .91 | 1.4 | 3.9 | 4.0 |
| December | 27.560 | 27.960 | 26.950 | 41.1 | 42.2 | 46.6 | 37.8 | 42.2 | 61 | 28 | 30 | 32 | 70 | 72 | .173 | .182 | 5.42 | 1.18 | 3.3 | 3.9 | 5.5 |
| Year | 27.554 | 28.050 | 26.450 | 51.4 | 56.0 | 60.2 | 47.5 | 53.9 | 93 | 27 | 34 | 38 | 60 | 58 | .210 | .237 | 28.94 | 1.84 | 2.2 | 2.5 | 3.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

MODENA, UTAH.

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

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.2 | SW. | 74 | S. | 3 | 2 | 4 | 5 | 0 | 1 | 27 | 19 | 4 | 0 | 7 | 7 | 17 | 13 | 8 | 17 | 10 | 0 | 1 | 12 | 0 | 31 | 0 | 0 |
| February | 8.4 | SW. | 40 | SW. | 1 | 2 | 3 | 8 | 2 | 1 | 18 | 19 | 5 | 0 | 12 | 13 | 4 | 5 | 3 | 3 | 2 | 0 | 1 | 1 | 0 | 28 | 0 | 0 |
| March | 11.6 | W. | 48 | NW. | 5 | 5 | 8 | 5 | 2 | 3 | 16 | 19 | 4 | 0 | 18 | 9 | 4 | 8 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 23 | 0 | 0 |
| April | 11.9 | W. | 45 | S. | 2 | 4 | 7 | 3 | 1 | 6 | 17 | 19 | 3 | 0 | 17 | 10 | 3 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 12 | 1 | 0 |
| May | 13.2 | SW. | 59 | S. | 5 | 4 | 4 | 9 | 2 | 3 | 22 | 15 | 3 | 0 | 17 | 13 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| June | 12.1 | W. | 44 | S. | 4 | 1 | 4 | 6 | 0 | 8 | 13 | 24 | 4 | 0 | 25 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| July | 10.1 | SW. | 48 | S. | 3 | 4 | 1 | 5 | 3 | 6 | 16 | 21 | 6 | 0 | 14 | 15 | 2 | 10 | 8 | 0 | 0 | 2 | 0 | 0 | 7 | 0 | 14 | 0 |
| August | 10.2 | SW. | 47 | S. | 4 | 3 | 3 | 3 | 4 | 7 | 18 | 22 | 1 | 1 | 19 | 10 | 2 | 7 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 2 |
| September | 10.6 | W. | 52 | SW. | 2 | 0 | 4 | 4 | 4 | 5 | 19 | 24 | 0 | 0 | 21 | 9 | 0 | 4 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 8 | 0 |
| October | 10.6 | SW. | 42 | S. | 1 | 4 | 5 | 8 | 3 | 7 | 15 | 19 | 1 | 0 | 20 | 7 | 4 | 7 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 17 | 4 | 0 |
| November | 9.9 | W. | 51 | S. | 1 | 1 | 12 | 11 | 0 | 3 | 8 | 21 | 4 | 0 | 21 | 6 | 3 | 1 | 1 | 2 | 1 | 0 | 0 | 2 | 0 | 30 | 0 | 0 |
| December | 11.0 | W. | 45 | S. | 5 | 4 | 8 | 4 | 2 | 3 | 13 | 22 | 6 | 0 | 16 | 11 | 4 | 3 | 3 | 4 | 3 | 0 | 0 | 10 | 0 | 31 | 0 | 0 |
| Year | 10.9 | W. | 74 | S. | 36 | 34 | 63 | 71 | 23 | 53 | 202 | 244 | 41 | 1 | 207 | 115 | 44 | 64 | 45 | 33 | 20 | 6 | 2 | 25 | 9 | 185 | 37 | 2 |

MONTGOMERY, ALA.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.9 | E. | 27 | N. | 0 | 10 | 5 | 15 | 7 | 15 | 2 | 1 | 7 | 0 | 8 | 13 | 10 | 9 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 0 |
| February | 8.0 | N. | 29 | NW. | 0 | 16 | 3 | 4 | 2 | 5 | 10 | 6 | 10 | 2 | 15 | 5 | 9 | 9 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 3 | 0 |
| March | 8.7 | NW. | 31 | NW. | 0 | 9 | 4 | 2 | 8 | 10 | 11 | 3 | 13 | 2 | 14 | 9 | 8 | 8 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 4 | 0 |
| April | 6.7 | W. | 26 | SW. | 0 | 10 | 3 | 2 | 7 | 7 | 9 | 12 | 8 | 2 | 17 | 9 | 4 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 |
| May | 5.8 | W. | 35 | NW. | 0 | 11 | 5 | 6 | 7 | 7 | 10 | 11 | 4 | 1 | 19 | 8 | 4 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 4 | 0 |
| June | 5.8 | W. | 41 | NW. | 1 | 6 | 5 | 3 | 2 | 11 | 10 | 13 | 9 | 1 | 7 | 17 | 6 | 10 | 7 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 12 | 0 |
| July | 6.2 | S. | 25 | W. | 0 | 3 | 4 | 10 | 11 | 17 | 12 | 2 | 3 | 0 | 1 | 11 | 19 | 18 | 14 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 17 | 0 |
| August | 4.8 | SW. | 36 | NE. | 0 | 8 | 7 | 9 | 8 | 1 | 17 | 8 | 4 | 0 | 10 | 16 | 5 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 9 | 0 |
| September | 5.9 | NE. | 23 | N. | 0 | 13 | 14 | 11 | 7 | 8 | 4 | 1 | 1 | 1 | 15 | 13 | 2 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 5 | 0 |
| October | 6.7 | NE. | 37 | E. | 0 | 9 | 25 | 11 | 5 | 3 | 2 | 1 | 6 | 0 | 18 | 10 | 3 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| November | 6.1 | NW. | 33 | SW. | 0 | 7 | 10 | 11 | 10 | 1 | 3 | 5 | 12 | 1 | 19 | 6 | 5 | 8 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 0 | 0 |
| December | 6.9 | SE. | 36 | NW. | 0 | 6 | 6 | 9 | 12 | 9 | 5 | 4 | 8 | 3 | 10 | 9 | 12 | 13 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 3 | 0 |
| Year | 6.6 | N. | 41 | NW. | 1 | 108 | 91 | 93 | 86 | 94 | 95 | 67 | 85 | 13 | 153 | 126 | 87 | 115 | 90 | 1 | 0 | 2 | 5 | 0 | 58 | 26 | 62 | 0 |

MOORHEAD, MINN.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.6 | NW. | 36 | NW. | 0 | 12 | 3 | 2 | 4 | 10 | 6 | 6 | 19 | 0 | 13 | 5 | 13 | 10 | 9 | 12 | 10 | 0 | 0 | 31 | 0 | 31 | 0 | 0 |
| February | 8.8 | NW. | 36 | NW. | 0 | 12 | 3 | 1 | 4 | 9 | 7 | 1 | 21 | 0 | 20 | 6 | 3 | 8 | 5 | 8 | 8 | 0 | 0 | 19 | 0 | 29 | 0 | 0 |
| March | 9.9 | SE. | 30 | NW. | 0 | 11 | 11 | 5 | 14 | 6 | 1 | 5 | 9 | 0 | 16 | 6 | 9 | 9 | 8 | 11 | 8 | 0 | 0 | 16 | 0 | 28 | 0 | 0 |
| April | 10.1 | N. | 36 | S. | 0 | 17 | 5 | 3 | 8 | 6 | 2 | 3 | 16 | 0 | 12 | 6 | 12 | 12 | 8 | 7 | 5 | 0 | 0 | 2 | 0 | 14 | 1 | 0 |
| May | 10.6 | NW. | 48 | NW. | 1 | 9 | 7 | 5 | 10 | 4 | 5 | 5 | 17 | 0 | 19 | 6 | 6 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 |
| June | 8.1 | NW. | 32 | E. | 0 | 9 | 3 | 3 | 10 | 5 | 7 | 7 | 16 | 0 | 10 | 11 | 9 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 6.5 | SE. | 36 | E. | 0 | 6 | 8 | 3 | 17 | 11 | 4 | 3 | 9 | 1 | 23 | 5 | 3 | 12 | 10 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 11 | 0 |
| August | 6.7 | SE. | 24 | NW. | 0 | 11 | 6 | 2 | 14 | 11 | 3 | 7 | 8 | 0 | 22 | 6 | 3 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 8 | 1 |
| September | 8.0 | NW. | 32 | SE. | 0 | 3 | 1 | 2 | 14 | 12 | 5 | 5 | 18 | 0 | 14 | 9 | 7 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| October | 8.8 | NW. | 35 | N. | 0 | 14 | 3 | 0 | 7 | 11 | 4 | 4 | 19 | 0 | 16 | 5 | 10 | 5 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 |
| November | 8.5 | NW. | 32 | SE. | 0 | 9 | 2 | 0 | 9 | 9 | 7 | 9 | 15 | 0 | 16 | 9 | 5 | 2 | 1 | 4 | 2 | 0 | 0 | 10 | 0 | 27 | 0 | 0 |
| December | 8.5 | S. | 36 | NW. | 0 | 12 | 1 | 3 | 5 | 14 | 9 | 5 | 13 | 0 | 17 | 9 | 5 | 11 | 5 | 11 | 11 | 0 | 0 | 24 | 0 | 31 | 0 | 0 |
| Year | 8.7 | NW. | 48 | NW. | 1 | 125 | 53 | 29 | 116 | 108 | 60 | 60 | 180 | 1 | 198 | 83 | 85 | 118 | 88 | 54 | 24 | 1 | 0 | 102 | 12 | 182 | 33 | 1 |

MOUNT TAMALPAIS, CAL.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 19.8 | SE. | 68 | SW. | 16 | 2 | 2 | 2 | 14 | 3 | 17 | 7 | 15 | 0 | 3 | 4 | 24 | 28 | 24 | 9 | 9 | 2 | 29 | 0 | 0 | 16 | 2 | 0 |
| February | 16.8 | NE. | 60 | S. | 7 | 5 | 8 | 4 | 8 | 8 | 10 | 5 | 10 | 0 | 9 | 3 | 17 | 16 | 14 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 |
| March | 18.3 | NW. | 63 | NW. | 12 | 9 | 7 | 1 | 11 | 2 | 7 | 5 | 20 | 0 | 16 | 6 | 9 | 12 | 7 | 1 | 0 | 1 | 13 | 0 | 0 | 4 | 0 | 0 |
| April | 22.9 | NW. | 84 | NW. | 20 | 9 | 0 | 0 | 0 | 0 | 4 | 16 | 31 | 0 | 23 | 7 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| May | 20.4 | NW. | 80 | NW. | 19 | 6 | 1 | 0 | 0 | 1 | 5 | 18 | 31 | 0 | 21 | 7 | 3 | 2 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| June | 16.8 | NW. | 92 | NW. | 17 | 2 | 0 | 0 | 0 | 0 | 9 | 23 | 26 | 0 | 21 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| July | 17.8 | NW. | 76 | NW. | 21 | 5 | 0 | 0 | 0 | 2 | 5 | 22 | 28 | 0 | 29 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 |
| August | 14.8 | NW. | 66 | NW. | 11 | 5 | 1 | 0 | 0 | 0 | 3 | 32 | 21 | 0 | 24 | 6 | 1 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 1 | 0 |
| September | 14.9 | W. | 72 | NW. | 12 | 5 | 4 | 0 | 0 | 0 | 7 | 21 | 23 | 0 | 23 | 4 | 3 | 4 | 3 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 2 | 0 |
| October | 14.2 | NW. | 57 | NW. | 7 | 7 | 3 | 9 | 3 | 3 | 5 | 6 | 25 | 1 | 20 | 4 | 7 | 9 | 8 | 0 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | 0 |
| November | 19.8 | NE. | 60 | N. | 16 | 12 | 19 | 2 | 2 | 2 | 5 | 8 | 10 | 0 | 17 | 6 | 7 | 6 | 6 | 0 | 0 | 1 | 9 | 0 | 0 | 0 | 0 | 0 |
| December | 23.1 | NW. | 74 | NW. | 17 | 13 | 11 | 2 | 5 | 1 | 7 | 8 | 15 | 0 | 12 | 5 | 14 | 15 | 13 | 7 | 6 | 1 | 15 | 0 | 0 | 8 | 1 | 0 |
| Year | 18.3 | NW. | 92 | NW. | 175 | 80 | 56 | 20 | 43 | 22 | 84 | 171 | 255 | 1 | 218 | 59 | 89 | 100 | 79 | 17 | 15 | 6 | 124 | 0 | 2 | 28 | 7 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

NANTUCKET, MASS.

[$\phi$=41° 17′ N.; $\lambda$=70° 06′ 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 | 30.171 | 30.653 | 29.500 | 32.8 | 33.3 | 40.3 | 27.5 | 33.9 | 53 | 10 | 28 | 28 | 83 | 80 | 0.166 | 0.167 | 2.03 | 0.66 | 8.0 | 5.0 | 7.3 |
| February | 29.932 | 30.490 | 28.889 | 29.1 | 29.6 | 35.8 | 23.8 | 29.8 | 53 | 6 | 24 | 24 | 80 | 79 | .141 | .141 | 4.04 | .97 | 7.3 | 6.7 | 7.3 |
| March | 29.834 | 30.227 | 28.910 | 29.9 | 30.7 | 35.7 | 25.2 | 30.4 | 46 | 9 | 25 | 25 | 80 | 78 | .139 | .139 | 3.60 | 1.19 | 5.9 | 4.7 | 5.8 |
| April | 29.872 | 30.260 | 29.170 | 42.3 | 40.7 | 48.1 | 37.4 | 42.8 | 57 | 29 | 38 | 37 | 84 | 87 | .227 | .220 | 2.90 | .82 | 6.8 | 5.9 | 6.3 |
| May | 29.898 | 30.278 | 29.270 | 52.4 | 49.2 | 58.3 | 45.8 | 52.0 | 70 | 40 | 46 | 45 | 81 | 87 | .317 | .304 | 4.35 | 1.44 | 5.0 | 4.6 | 6.2 |
| June | 29.940 | 30.139 | 29.580 | 60.2 | 56.0 | 66.0 | 53.2 | 59.6 | 75 | 47 | 55 | 54 | 85 | 92 | .444 | .415 | 4.89 | 1.93 | 4.6 | 5.9 | 5.9 |
| July | 30.001 | 30.348 | 29.470 | 66.5 | 63.1 | 70.7 | 60.0 | 65.4 | 82 | 53 | 63 | 62 | 90 | 95 | .586 | .551 | 5.02 | 1.79 | 5.1 | 7.2 | 7.2 |
| August | 29.972 | 30.250 | 29.580 | 67.5 | 64.0 | 73.8 | 60.8 | 67.3 | 80 | 57 | 63 | 62 | 87 | 92 | .584 | .552 | 1.05 | .58 | 2.6 | 2.7 | 4.2 |
| September | 30.049 | 30.470 | 29.700 | 63.3 | 60.6 | 70.0 | 57.0 | 63.5 | 82 | 49 | 57 | 56 | 81 | 85 | .483 | .458 | 1.44 | .71 | 3.2 | .9 | 4.4 |
| October | 30.122 | 30.580 | 29.610 | 55.0 | 53.5 | 60.6 | 48.5 | 54.6 | 70 | 39 | 49 | 48 | 81 | 82 | .361 | .351 | 1.92 | .72 | 5.1 | 3.3 | 5.7 |
| November | 30.096 | 30.540 | 29.290 | 44.9 | 44.4 | 50.3 | 38.7 | 44.5 | 62 | 26 | 37 | 37 | 74 | 75 | .232 | .235 | 2.55 | 1.37 | 5.0 | 3.4 | 6.1 |
| December | 29.881 | 30.410 | 28.800 | 33.3 | 34.4 | 39.5 | 29.5 | 34.5 | 55 | 13 | 27 | 26 | 76 | 71 | .156 | .152 | 3.24 | 1.02 | 4.8 | 4.3 | 5.8 |
| Year | 29.981 | 30.653 | 28.800 | 48.1 | 46.6 | 54.1 | 42.3 | 48.2 | 82 | 6 | 43 | 42 | 82 | 84 | .320 | .307 | 37.03 | 1.93 | 5.3 | 4.6 | 6.0 |

NARRAGANSETT PIER, R. I.

[$\phi$=41° 19′ N.; $\lambda$=71° 17′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | | | | | | 40.3 | 23.9 | 32.1 | 65 | 3 | | | | | | | 1.66 | 0.54 | | | |
| February | | | | | | 33.4 | 17.2 | 25.3 | 50 | − 4 | | | | | | | 5.45 | 1.97 | | | |
| March | | | | | | 36.7 | 21.9 | 29.3 | 55 | 2 | | | | | | | 2.71 | .50 | | | |
| April | | | | | | 50.1 | 35.7 | 42.9 | 62 | 29 | | | | | | | 3.95 | 1.35 | | | |
| May | | | | | | 62.8 | 45.8 | 54.3 | 80 | 37 | | | | | | | 3.49 | 1.87 | | | |
| June | | | | | | 66.9 | 53.1 | 60.0 | 78 | 45 | | | | | | | 4.73 | 1.48 | | | |
| July | | | | | | 74.0 | 61.6 | 67.8 | 88 | 53 | | | | | | | 10.69 | 4.23 | | | |
| August | | | | | | 76.7 | 60.7 | 68.7 | 86 | 49 | | | | | | | 1.50 | .58 | | | |
| September | | | | | | 71.0 | 53.6 | 62.3 | 84 | 38 | | | | | | | 1.65 | .48 | | | |
| October | | | | | | 61.8 | 43.6 | 52.7 | 74 | 30 | | | | | | | 2.78 | 1.37 | | | |
| November | | | | | | 45.7 | 32.8 | 39.2 | 62 | 15 | | | | | | | 2.52 | .91 | | | |
| December | | | | | | 34.5 | 24.3 | 29.4 | 51 | 9 | | | | | | | 3.25 | .65 | | | |
| Year | | | | | | 54.5 | 39.5 | 47.0 | 88 | − 4 | | | | | | | 44.38 | 4.23 | | | |

NASHVILLE, TENN.

[$\phi$=36° 10′ N.; $\lambda$=86° 47′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.650 | 30.030 | 29.040 | 41.6 | 47.1 | 53.6 | 35.5 | 44.6 | 74 | 5 | 37 | 39 | 83 | 74 | 0.255 | 0.276 | 7.62 | 1.74 | 6.6 | 6.0 | 6.8 |
| February | 29.589 | 30.070 | 29.200 | 33.5 | 42.6 | 48.5 | 29.7 | 39.1 | 71 | 15 | 28 | 29 | 78 | 61 | .160 | .173 | 1.19 | .38 | 5.2 | 4.0 | 5.5 |
| March | 29.425 | 29.880 | 28.800 | 42.1 | 51.4 | 57.9 | 36.6 | 47.2 | 82 | 20 | 34 | 34 | 73 | 55 | .211 | .216 | 3.60 | 1.23 | 5.4 | 4.9 | 5.5 |
| April | 29.434 | 29.690 | 29.100 | 51.7 | 60.7 | 66.6 | 47.9 | 57.2 | 84 | 32 | 42 | 43 | 72 | 57 | .283 | .291 | 2.49 | 1.40 | 5.8 | 5.6 | 5.7 |
| May | 29.389 | 29.580 | 29.140 | 65.8 | 75.3 | 81.0 | 60.0 | 70.5 | 91 | 48 | 55 | 57 | 71 | 55 | .456 | .474 | 5.37 | 2.07 | 3.8 | 3.2 | 4.4 |
| June | 29.354 | 29.620 | 28.880 | 68.5 | 76.4 | 82.4 | 63.4 | 72.9 | 93 | 55 | 61 | 61 | 78 | 60 | .551 | .544 | 4.62 | 1.51 | 4.1 | 5.8 | 5.1 |
| July | 29.400 | 29.650 | 29.171 | 74.4 | 81.2 | 86.9 | 70.7 | 78.8 | 92 | 66 | 69 | 70 | 84 | 71 | .719 | .745 | 4.17 | 2.10 | 4.3 | 4.2 | 4.9 |
| August | 29.470 | 29.640 | 29.270 | 72.3 | 80.8 | 87.6 | 69.2 | 78.4 | 93 | 57 | 68 | 68 | 88 | 67 | .704 | .703 | 4.27 | 2.58 | 4.1 | 3.6 | 4.9 |
| September | 29.509 | 29.720 | 29.260 | 61.6 | 73.7 | 80.2 | 58.2 | 69.2 | 92 | 42 | 56 | 55 | 82 | 54 | .475 | .468 | 1.92 | .58 | 3.0 | 1.6 | 3.3 |
| October | 29.539 | 29.790 | 29.020 | 51.8 | 65.6 | 73.1 | 48.4 | 60.8 | 90 | 32 | 47 | 46 | 83 | 52 | .340 | .339 | 2.67 | 2.07 | 3.9 | 1.8 | 3.4 |
| November | 29.613 | 29.970 | 28.990 | 42.2 | 54.0 | 61.5 | 39.0 | 50.2 | 78 | 18 | 35 | 36 | 77 | 51 | .219 | .227 | 1.00 | .51 | 1.8 | 2.5 | 2.5 |
| December | 29.490 | 29.880 | 29.060 | 34.4 | 42.5 | 48.4 | 29.1 | 38.8 | 67 | 2 | 28 | 30 | 77 | 64 | .172 | .187 | 4.29 | 2.07 | 5.1 | 3.8 | 5.1 |
| Year | 29.488 | 30.070 | 28.800 | 53.3 | 62.6 | 69.0 | 49.0 | 59.0 | 93 | 2 | 47 | 47 | 79 | 60 | .379 | .387 | 43.21 | 2.58 | 4.4 | 3.9 | 4.8 |

NEW HAVEN, CONN.

[$\phi$=41° 18′ N.; $\lambda$=72° 56′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.089 | 30.540 | 29.470 | 30.0 | 33.3 | 40.8 | 25.2 | 33.0 | 65 | 6 | 23 | 24 | 75 | 68 | 0.141 | 0.151 | 1.55 | 0.56 | 6.3 | 4.6 | 5.9 |
| February | 29.874 | 30.440 | 28.820 | 21.8 | 26.5 | 32.7 | 18.3 | 25.5 | 53 | − 2 | 17 | 19 | 80 | 71 | .108 | .111 | 6.21 | 2.37 | 5.7 | 5.4 | 6.6 |
| March | 29.790 | 30.180 | 29.060 | 27.5 | 31.7 | 38.2 | 23.8 | 31.0 | 66 | 3 | 18 | 21 | 69 | 65 | .108 | .121 | 4.08 | .91 | 5.3 | 4.5 | 5.4 |
| April | 29.804 | 30.160 | 29.200 | 44.0 | 45.9 | 53.8 | 39.4 | 46.6 | 67 | 31 | 37 | 37 | 76 | 72 | .220 | .222 | 3.00 | .98 | 6.1 | 6.2 | 6.4 |
| May | 29.791 | 30.193 | 29.190 | 56.1 | 59.0 | 66.6 | 50.4 | 58.5 | 82 | 42 | 47 | 47 | 74 | 67 | .335 | .331 | 3.69 | 1.76 | 7.1 | 5.1 | 6.3 |
| June | 29.833 | 30.010 | 29.520 | 61.7 | 63.3 | 70.7 | 55.4 | 63.0 | 84 | 48 | 56 | 56 | 82 | 78 | .451 | .449 | 4.90 | 1.25 | 6.0 | 6.2 | 6.4 |
| July | 29.887 | 30.240 | 29.420 | 71.2 | 72.3 | 80.7 | 65.4 | 73.0 | 92 | 56 | 67 | 66 | 86 | 82 | .663 | .652 | 3.72 | 1.46 | 6.5 | 7.0 | 6.7 |
| August | 29.872 | 30.160 | 29.450 | 69.7 | 71.4 | 81.1 | 62.8 | 72.0 | 94 | 50 | 61 | 61 | 75 | 72 | .553 | .557 | 2.11 | .87 | 5.0 | 3.9 | 4.2 |
| September | 29.945 | 30.400 | 29.580 | 61.8 | 64.0 | 74.0 | 54.6 | 64.3 | 91 | 43 | 53 | 54 | 74 | 72 | .428 | .446 | 2.54 | .94 | 4.4 | 3.1 | 3.7 |
| October | 30.030 | 30.410 | 29.500 | 50.9 | 55.8 | 65.5 | 44.9 | 55.2 | 84 | 36 | 44 | 48 | 76 | 74 | .301 | .347 | 2.05 | 1.66 | 3.8 | 3.3 | 3.8 |
| November | 30.006 | 30.430 | 29.100 | 40.2 | 43.4 | 51.6 | 34.8 | 43.2 | 65 | 23 | 35 | 35 | 80 | 73 | .214 | .216 | 2.54 | 1.00 | 4.6 | 3.3 | 4.3 |
| December | 29.835 | 30.370 | 28.830 | 29.5 | 32.6 | 38.2 | 26.6 | 32.4 | 58 | 14 | 24 | 25 | 78 | 72 | .136 | .142 | 3.71 | 1.32 | 4.2 | 4.5 | 5.1 |
| Year | 29.896 | 30.540 | 28.820 | 47.0 | 49.9 | 57.8 | 41.8 | 49.8 | 94 | − 2 | 40 | 41 | 77 | 72 | .305 | .312 | 40.10 | 2.37 | 5.4 | 4.8 | 5.4 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

NANTUCKET, MASS.

[$H_b$ = 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. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 18.5 | SW. | 47 | SW. | 4 | 10 | 2 | 1 | 3 | 4 | 20 | 11 | 11 | 0 | 7 | 6 | 18 | 16 | 11 | 8 | 2 | 0 | 4 | 8 | 0 | 22 | 0 | 0 |
| February | 19.5 | W. | 48 | W. | 9 | 7 | 9 | 3 | 3 | 5 | 7 | 16 | 8 | 0 | 6 | 8 | 15 | 14 | 12 | 11 | 7 | 0 | 5 | 10 | 0 | 24 | 0 | 0 |
| March | 18.8 | NW. | 67 | NE. | 8 | 5 | 17 | 4 | 2 | 3 | 3 | 12 | 16 | 0 | 12 | 7 | 12 | 16 | 10 | 15 | 11 | 0 | 4 | 11 | 0 | 25 | 1 | 0 |
| April | 15.9 | N. | 50 | N. | 4 | 11 | 8 | 8 | 4 | 3 | 10 | 8 | 8 | 0 | 9 | 7 | 14 | 17 | 11 | 1 | 1 | 0 | 6 | 0 | 0 | 1 | 1 | 0 |
| May | 14.5 | SW. | 47 | SE. | 2 | 3 | 4 | 2 | 7 | 4 | 25 | 11 | 6 | 0 | 7 | 12 | 12 | 14 | 12 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 4 | 0 |
| June | 13.1 | SW. | 35 | NE. | 0 | 5 | 7 | 5 | 4 | 12 | 13 | 8 | 6 | 0 | 9 | 11 | 10 | 16 | 13 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 5 | 0 |
| July | 16.4 | SW. | 50 | SW. | 1 | 1 | 8 | 2 | 5 | 7 | 28 | 9 | 2 | 0 | 4 | 10 | 17 | 16 | 13 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 6 | 0 |
| August | 13.4 | SW. | 36 | NE. | 0 | 4 | 17 | 1 | 2 | 6 | 23 | 7 | 2 | 0 | 16 | 11 | 4 | 5 | 4 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 2 | 0 |
| September | 14.4 | SW. | 35 | N. | 0 | 7 | 7 | 4 | 8 | 5 | 18 | 8 | 3 | 0 | 15 | 11 | 4 | 7 | 6 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 0 |
| October | 17.2 | SW. | 48 | SW. | 5 | 6 | 13 | 4 | 9 | 2 | 16 | 4 | 8 | 0 | 12 | 8 | 11 | 10 | 8 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| November | 17.4 | SW. | 44 | S. | 5 | 3 | 12 | 1 | 3 | 3 | 14 | 13 | 11 | 0 | 7 | 10 | 13 | 9 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| December | 18.6 | NW. | 61 | W. | 7 | 5 | 2 | 1 | 2 | 3 | 6 | 16 | 27 | 0 | 12 | 8 | 11 | 14 | 11 | 5 | 3 | 0 | 3 | 7 | 0 | 19 | 2 | 0 |
| Year | 16.5 | SW. | 67 | NE. | 45 | 67 | 106 | 36 | 52 | 57 | 183 | 123 | 108 | 0 | 116 | 109 | 141 | 154 | 118 | 43 | 24 | 0 | 91 | 36 | 0 | 98 | 23 | 0 |

NARRAGANSETT PIER, R. I.

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

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | SW. | .... | ..... | .... | 1 | 2 | 1 | 1 | 4 | 10 | 4 | 8 | 0 | 12 | 9 | 10 | 13 | 12 | 5 | 1 | 1 | 1 | 8 | 0 | 23 | 0 | 0 |
| February | ..... | W. | .... | ..... | .... | 5 | 5 | 0 | 0 | 2 | 5 | 9 | 3 | 0 | 11 | 6 | 12 | 14 | 13 | 15 | 8 | 2 | 2 | 13 | 0 | 28 | 0 | 0 |
| March | ..... | NE. | .... | ..... | .... | 2 | 11 | 0 | 0 | 0 | 3 | 7 | 8 | 0 | 19 | 2 | 10 | 14 | 12 | 14 | 10 | 0 | 2 | 10 | 0 | 26 | 0 | 0 |
| April | ..... | SW. | .... | ..... | .... | 0 | 6 | 1 | 3 | 1 | 11 | 7 | 1 | 0 | 15 | 1 | 14 | 17 | 14 | 0 | 3 | 2 | 2 | 0 | 0 | 6 | 1 | 0 |
| May | ..... | SW. | .... | ..... | .... | 2 | 3 | 3 | 5 | 4 | 7 | 7 | 0 | 0 | 14 | 8 | 9 | 13 | 9 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 4 | 0 |
| June | ..... | SW. | .... | ..... | .... | 0 | 6 | 3 | 2 | 6 | 8 | 4 | 1 | 0 | 13 | 7 | 10 | 19 | 17 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 3 | 0 |
| July | ..... | S. | .... | ..... | .... | 2 | 5 | 1 | 5 | 9 | 8 | 1 | 0 | 0 | 15 | 1 | 15 | 17 | 15 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 5 | 0 |
| August | ..... | S. | .... | ..... | .... | 0 | 5 | 3 | 1 | 9 | 8 | 5 | 0 | 0 | 21 | 4 | 6 | 8 | 7 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 4 | 0 |
| September | ..... | SW. | .... | ..... | .... | 1 | 3 | 1 | 4 | 3 | 10 | 6 | 2 | 0 | 22 | 2 | 6 | 7 | 7 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| October | ..... | NE. | .... | ..... | .... | 2 | 7 | 2 | 4 | 4 | 5 | 5 | 2 | 0 | 17 | 4 | 10 | 10 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 |
| November | ..... | SW. | .... | ..... | .... | 5 | 1 | 0 | 5 | 2 | 9 | 7 | 1 | 0 | 18 | 3 | 9 | 10 | 9 | 3 | 0 | 0 | 0 | 3 | 0 | 14 | 0 | 0 |
| December | ..... | W. | .... | ..... | .... | 2 | 2 | 1 | 3 | 1 | 1 | 11 | 10 | 0 | 18 | 4 | 9 | 12 | 12 | 5 | 2 | 0 | 2 | 12 | 0 | 24 | 0 | 0 |
| Year | ..... | SW. | .... | ..... | .... | 22 | 56 | 16 | 33 | 45 | 85 | 73 | 36 | 0 | 195 | 51 | 120 | 151 | 135 | 42 | 24 | 5 | 46 | 46 | 0 | 123 | 18 | 0 |

NASHVILLE, TENN.

[$H_b$ = 546 ft.; $h_t$ = 168 ft.; $h_r$ = 161 ft.; $h_a$ = 191 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.3 | SE. | 57 | SE. | 2 | 7 | 7 | 2 | 21 | 9 | 4 | 3 | 9 | 0 | 7 | 4 | 20 | 14 | 14 | 3 | 1 | 0 | 1 | 4 | 0 | 13 | 2 | 0 |
| February | 11.4 | NW. | 48 | NW. | 2 | 7 | 8 | 4 | 3 | 8 | 5 | 9 | 14 | 0 | 10 | 8 | 11 | 9 | 7 | 5 | 4 | 0 | 0 | 4 | 0 | 18 | 0 | 0 |
| March | 11.9 | NW. | 52 | W. | 3 | 5 | 5 | 6 | 6 | 10 | 8 | 8 | 14 | 0 | 12 | 6 | 13 | 11 | 9 | 5 | 3 | 2 | 0 | 0 | 0 | 11 | 4 | 0 |
| April | 11.0 | W. | 62 | W. | 1 | 5 | 8 | 4 | 8 | 6 | 3 | 15 | 11 | 0 | 11 | 8 | 11 | 10 | 6 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 0 |
| May | 8.5 | S. | 39 | NW. | 0 | 9 | 6 | 1 | 10 | 13 | 10 | 9 | 2 | 2 | 13 | 12 | 6 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 6 | 0 |
| June | 8.1 | W. | 45 | SW. | 1 | 8 | 3 | 4 | 7 | 6 | 8 | 14 | 10 | 0 | 12 | 10 | 8 | 13 | 10 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 11 | 0 |
| July | 7.1 | NE. | 44 | NW. | 1 | 7 | 12 | 11 | 5 | 8 | 6 | 7 | 6 | 0 | 13 | 11 | 7 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 8 | 0 |
| August | 5.5 | W. | 37 | NW. | 0 | 6 | 8 | 5 | 4 | 5 | 11 | 17 | 5 | 1 | 10 | 14 | 7 | 11 | 10 | 0 | 0 | 0 | 2 | 0 | 14 | 0 | 10 | 0 |
| September | 7.9 | NE. | 45 | NW. | 1 | 8 | 13 | 6 | 10 | 3 | 7 | 1 | 11 | 1 | 19 | 6 | 5 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 6 | 0 |
| October | 7.2 | NE. | 38 | SW. | 0 | 9 | 17 | 6 | 5 | 7 | 3 | 8 | 6 | 1 | 18 | 5 | 8 | 5 | 5 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 4 | 0 |
| November | 8.7 | SE. | 36 | W. | 0 | 1 | 5 | 9 | 15 | 6 | 5 | 7 | 12 | 0 | 21 | 6 | 3 | 6 | 6 | 1 | 0 | 0 | 2 | 0 | 0 | 7 | 0 | 0 |
| December | 11.0 | W. | 41 | SE. | 1 | 5 | 9 | 6 | 11 | 11 | 3 | 12 | 5 | 0 | 13 | 8 | 10 | 10 | 9 | 7 | 4 | 1 | 2 | 4 | 0 | 21 | 5 | 0 |
| Year | 9.2 | W. | 62 | W. | 12 | 77 | 101 | 64 | 105 | 92 | 73 | 110 | 105 | 5 | 159 | 98 | 109 | 115 | 96 | 23 | 12 | 5 | 12 | 12 | 38 | 71 | 58 | 0 |

NEW HAVEN, CONN.

[$H_b$ = 106 ft.; $h_t$ = 117 ft.; $h_r$ = 111 ft.; $h_a$ = 155 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.6 | S. | 36 | NW. | 0 | 9 | 7 | 2 | 2 | 12 | 15 | 5 | 10 | 0 | 9 | 8 | 14 | 17 | 6 | 6 | 2 | 1 | 3 | 8 | 0 | 22 | 0 | 0 |
| February | 11.2 | N. | 37 | N. | 0 | 13 | 9 | 1 | 3 | 5 | 10 | 7 | 10 | 0 | 8 | 6 | 15 | 18 | 15 | 15 | 11 | 0 | 2 | 14 | 0 | 26 | 0 | 0 |
| March | 11.3 | NW. | 34 | NW. | 0 | 17 | 7 | 0 | 4 | 5 | 7 | 4 | 18 | 0 | 11 | 10 | 10 | 17 | 14 | 16 | 14 | 1 | 0 | 11 | 0 | 24 | 1 | 1 |
| April | 10.5 | N. | 40 | NW. | 1 | 14 | 9 | 5 | 6 | 7 | 5 | 7 | 7 | 0 | 7 | 8 | 15 | 16 | 10 | 4 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| May | 8.8 | NW. | 29 | W. | 0 | 5 | 7 | 2 | 13 | 7 | 11 | 6 | 11 | 0 | 9 | 10 | 12 | 12 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 |
| June | 8.6 | NW. | 33 | E. | 0 | 12 | 6 | 7 | 7 | 9 | 4 | 4 | 11 | 0 | 7 | 11 | 12 | 16 | 12 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 1 |
| July | 7.9 | S. | 29 | NE. | 0 | 7 | 2 | 3 | 13 | 17 | 12 | 3 | 5 | 0 | 5 | 11 | 15 | 15 | 12 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 3 |
| August | 7.5 | S. | 36 | SW. | 0 | 10 | 7 | 2 | 3 | 15 | 9 | 3 | 13 | 0 | 14 | 11 | 6 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 1 |
| September | 9.1 | S. | 38 | S. | 0 | 11 | 3 | 3 | 4 | 14 | 11 | 5 | 9 | 0 | 15 | 12 | 3 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 2 |
| October | 9.5 | N. | 38 | S. | 0 | 19 | 7 | 3 | 1 | 11 | 10 | 1 | 10 | 0 | 14 | 10 | 7 | 5 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| November | 8.8 | SW. | 30 | S. | 0 | 12 | 2 | 2 | 0 | 7 | 19 | 4 | 13 | 1 | 14 | 8 | 8 | 10 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 1 |
| December | 9.9 | NW. | 39 | W. | 0 | 8 | 6 | 0 | 2 | 4 | 14 | 12 | 16 | 0 | 11 | 12 | 8 | 9 | 8 | 9 | 4 | 0 | 0 | 9 | 0 | 22 | 1 | 0 |
| Year | 9.4 | N. | 40 | NW. | 1 | 137 | 72 | 30 | 58 | 113 | 127 | 61 | 133 | 1 | 124 | 117 | 125 | 152 | 115 | 54 | 33 | 2 | 9 | 42 | 6 | 105 | 27 | 10 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

NEW ORLEANS, LA.

[$\phi$=29° 58′ N.; $\lambda$=90° 04′ 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 | 30.126 | 30.380 | 29.810 | 56.7 | 62.6 | 69.3 | 53.3 | 61.3 | 79 | 33 | 53 | 58 | 89 | 84 | 0.446 | 0.512 | 4.46 | 1.51 | 6.0 | 4.8 | 6.9 |
| February | 30.109 | 30.610 | 29.660 | 50.1 | 58.8 | 66.1 | 47.1 | 56.6 | 80 | 30 | 46 | 48 | 87 | 70 | .331 | .361 | 2.76 | 2.60 | 3.7 | 2.2 | 3.8 |
| March | 30.004 | 30.450 | 29.680 | 56.2 | 65.8 | 73.5 | 54.1 | 63.8 | 82 | 39 | 51 | 54 | 83 | 67 | .397 | .448 | .64 | .30 | 4.0 | 2.8 | 3.6 |
| April | 29.965 | 30.330 | 29.600 | 62.4 | 69.3 | 75.4 | 60.3 | 67.8 | 84 | 45 | 57 | 56 | 82 | 65 | .473 | .468 | 2.55 | 1.03 | 3.8 | 4.7 | 4.1 |
| May | 29.896 | 30.060 | 29.681 | 72.7 | 80.0 | 85.4 | 68.8 | 77.1 | 95 | 56 | 67 | 66 | 82 | 65 | .662 | .659 | 7.97 | 4.99 | 2.9 | 3.5 | 3.5 |
| June | 29.892 | 30.090 | 29.640 | 77.9 | 82.0 | 89.4 | 73.7 | 81.6 | 92 | 68 | 72 | 71 | 83 | 71 | .791 | .766 | 9.70 | 3.31 | 3.8 | 5.9 | 4.6 |
| July | 29.862 | 30.070 | 29.360 | 79.1 | 81.3 | 89.1 | 75.5 | 82.3 | 95 | 70 | 75 | 74 | 88 | 79 | .872 | .834 | 6.78 | 1.79 | 4.9 | 7.4 | 6.1 |
| August | 29.955 | 30.180 | 29.790 | 79.2 | 82.8 | 90.1 | 76.6 | 83.4 | 94 | 71 | 74 | 74 | 85 | 76 | .847 | .846 | 4.89 | .98 | 4.8 | 5.5 | 5.3 |
| September | 29.946 | 30.100 | 29.770 | 74.3 | 79.6 | 86.9 | 71.7 | 79.3 | 94 | 56 | 69 | 66 | 84 | 66 | .726 | .665 | 3.13 | 1.58 | 3.0 | 3.1 | 3.5 |
| October | 29.979 | 30.220 | 29.480 | 65.3 | 72.2 | 79.2 | 63.9 | 71.6 | 87 | 50 | 60 | 60 | 84 | 68 | .549 | .551 | 8.51 | 5.44 | 2.3 | 2.1 | 2.7 |
| November | 30.098 | 30.460 | 29.760 | 56.8 | 63.6 | 71.0 | 54.2 | 62.6 | 81 | 33 | 50 | 55 | 81 | 74 | .394 | .459 | .88 | .44 | 3.8 | 2.3 | 3.8 |
| December | 30.001 | 30.260 | 29.570 | 53.6 | 58.0 | 65.6 | 49.2 | 57.4 | 80 | 32 | 51 | 51 | 90 | 80 | .408 | .416 | 7.17 | 2.67 | 6.0 | 4.8 | 6.0 |
| Year | 29.986 | 30.610 | 29.360 | 65.3 | 71.3 | 78.4 | 62.4 | 70.4 | 95 | 30 | 60 | 61 | 85 | 72 | .575 | .582 | 59.44 | 5.44 | 4.1 | 4.1 | 4.5 |

NEW YORK, N. Y.

[$\phi$=40° 43′ N.; $\lambda$=74° 0′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.877 | 30.320 | 29.270 | 33.0 | 36.5 | 43.0 | 27.7 | 35.4 | 66 | 7 | 24 | 25 | 68 | 62 | 0.153 | 0.157 | 1.08 | 0.28 | 6.0 | 5.5 | 6.5 |
| February | 29.658 | 30.220 | 28.680 | 24.9 | 29.3 | 34.9 | 20.5 | 27.7 | 61 | 1 | 18 | 18 | 72 | 60 | .110 | .107 | 4.49 | 2.02 | 6.4 | 6.9 | 6.8 |
| March | 29.573 | 29.980 | 28.800 | 28.9 | 32.5 | 39.3 | 25.1 | 32.2 | 63 | 7 | 19 | 19 | 66 | 56 | .110 | .109 | 3.71 | .96 | 4.9 | 5.2 | 6.1 |
| April | 29.583 | 29.939 | 29.000 | 44.4 | 47.8 | 53.8 | 40.4 | 47.1 | 69 | 30 | 34 | 35 | 69 | 62 | .201 | .204 | 3.28 | 1.37 | 6.1 | 6.2 | 7.0 |
| May | 29.579 | 29.987 | 29.050 | 56.8 | 61.4 | 67.4 | 52.2 | 59.8 | 77 | 44 | 45 | 44 | 68 | 58 | .316 | .312 | 3.49 | 2.28 | 6.8 | 6.0 | 6.6 |
| June | 29.609 | 29.822 | 29.320 | 61.9 | 64.7 | 71.2 | 57.3 | 64.2 | 82 | 51 | 53 | 55 | 76 | 74 | .416 | .444 | 3.94 | 1.34 | 6.3 | 7.2 | 6.9 |
| July | 29.677 | 30.009 | 29.230 | 70.8 | 73.6 | 80.8 | 66.9 | 73.8 | 93 | 59 | 64 | 65 | 82 | 77 | .622 | .634 | 3.44 | .83 | 6.5 | 7.4 | 7.4 |
| August | 29.660 | 29.960 | 29.280 | 70.2 | 73.1 | 81.5 | 65.8 | 73.6 | 94 | 55 | 62 | 62 | 76 | 70 | .571 | .571 | .59 | .32 | 5.3 | 3.8 | 4.7 |
| September | 29.731 | 30.160 | 29.370 | 62.8 | 65.9 | 74.1 | 57.9 | 66.0 | 89 | 44 | 54 | 55 | 74 | 70 | .440 | .461 | 2.98 | 1.04 | 4.0 | 3.0 | 4.2 |
| October | 29.802 | 30.140 | 29.320 | 53.5 | 57.8 | 65.0 | 49.5 | 57.2 | 84 | 39 | 43 | 46 | 68 | 66 | .295 | .331 | .63 | .44 | 3.4 | 3.5 | 4.3 |
| November | 29.784 | 30.180 | 28.920 | 41.5 | 45.7 | 51.9 | 37.7 | 44.8 | 69 | 25 | 32 | 33 | 69 | 61 | .194 | .199 | 1.57 | .76 | 4.8 | 3.9 | 5.2 |
| December | 29.628 | 30.160 | 28.680 | 31.5 | 33.9 | 39.8 | 27.7 | 33.8 | 62 | 15 | 24 | 21 | 71 | 59 | .133 | .121 | 3.97 | .81 | 4.7 | 3.3 | 5.8 |
| Year | 29.680 | 30.320 | 28.680 | 48.4 | 51.8 | 58.6 | 44.1 | 51.3 | 94 | 1 | 39 | 40 | 72 | 65 | .297 | .304 | 33.17 | 2.28 | 5.4 | 5.2 | 6.0 |

NOME, ALASKA.

[$\phi$=64° 30′ N.; $\lambda$=165° 24′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.266 | 30.768 | 29.735 | ..... | ..... | ..... | 4.5 | ..... | ..... | −25 | ..... | ..... | ..... | ..... | ..... | ..... | 1.84 | 0.42 | ..... | ..... | ..... |
| February | 30.064 | 30.903 | 29.227 | ..... | ..... | 13.8 | −1.6 | 6.1 | 33 | −29 | ..... | ..... | ..... | ..... | ..... | ..... | 1.28 | .44 | ..... | ..... | ..... |
| March | 30.070 | 30.883 | 29.443 | ..... | ..... | 9.8 | −9.0 | 0.4 | 26 | −26 | ..... | ..... | ..... | ..... | ..... | ..... | .46 | .18 | ..... | ..... | ..... |
| April | 29.762 | 30.304 | 29.052 | ..... | ..... | 25.5 | 10.9 | 18.2 | 38 | −10 | ..... | ..... | ..... | ..... | ..... | ..... | 1.50 | .44 | ..... | ..... | ..... |
| May | 29.805 | 30.282 | 29.206 | ..... | 33.4 | 37.0 | 25.9 | 31.4 | 49 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | 2.52 | .62 | ..... | ..... | ..... |
| June | 29.782 | 29.968 | 29.523 | ..... | 45.5 | 50.5 | 37.4 | 44.0 | 67 | 27 | ..... | ..... | ..... | ..... | ..... | ..... | 1.24 | .47 | ..... | ..... | ..... |
| July | 29.904 | 30.169 | 29.465 | ..... | 53.5 | 58.9 | 44.2 | 51.6 | 68 | 32 | ..... | ..... | ..... | ..... | ..... | ..... | 1.49 | .51 | ..... | ..... | ..... |
| August | 29.696 | 30.118 | 29.349 | ..... | 53.0 | 56.6 | 43.2 | 49.9 | 68 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | 3.02 | .42 | ..... | ..... | ..... |
| September | 29.648 | 30.212 | 29.115 | ..... | 46.5 | 49.3 | 37.7 | 43.5 | 54 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | 3.15 | .40 | ..... | ..... | ..... |
| October | 29.609 | 30.113 | 28.998 | ..... | 35.5 | 39.2 | 30.1 | 34.6 | 46 | 12 | ..... | ..... | ..... | ..... | ..... | ..... | 3.36 | .86 | ..... | ..... | ..... |
| November | 29.642 | 30.391 | 29.047 | ..... | 15.8 | 22.5 | 6.7 | 14.6 | 38 | −20 | ..... | ..... | ..... | ..... | ..... | ..... | .20 | .08 | ..... | ..... | ..... |
| December | 29.836 | 30.304 | 29.248 | ..... | −5.7 | .04 | −13.5 | −6.6 | 30 | −32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Year | 29.840 | 30.903 | 28.998 | ..... | ..... | ..... | 18.0 | ..... | ..... | −32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

NORFOLK, VA.

[$\phi$=36° 51′ N.; $\lambda$=76° 17′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.184 | 30.610 | 29.650 | 42.7 | 47.6 | 55.9 | 38.1 | 47.0 | 72 | 17 | 38 | 36 | 84 | 65 | 0.257 | 0.240 | 2.07 | 0.78 | 6.0 | 4.0 | 5.6 |
| February | 29.949 | 30.560 | 29.150 | 36.5 | 41.9 | 50.2 | 32.0 | 41.1 | 75 | 17 | 31 | 27 | 80 | 57 | .189 | .165 | 4.03 | 1.19 | 4.8 | 4.5 | 5.1 |
| March | 29.842 | 30.320 | 28.940 | 40.0 | 44.6 | 53.5 | 34.7 | 44.1 | 77 | 20 | 32 | 30 | 72 | 59 | .196 | .184 | 1.68 | .42 | 3.7 | 3.9 | 4.2 |
| April | 29.866 | 30.247 | 29.350 | 52.6 | 55.9 | 65.3 | 47.5 | 56.4 | 86 | 36 | 43 | 42 | 72 | 62 | .285 | .274 | 1.95 | 1.17 | 3.9 | 3.8 | 4.7 |
| May | 29.861 | 30.170 | 29.440 | 65.8 | 70.0 | 78.1 | 60.3 | 69.2 | 91 | 51 | 57 | 57 | 74 | 65 | .480 | .477 | 5.48 | 2.48 | 4.1 | 4.4 | 3.8 |
| June | 29.846 | 30.104 | 29.510 | 69.6 | 71.8 | 80.0 | 64.2 | 72.1 | 91 | 55 | 62 | 61 | 79 | 70 | .573 | .545 | 1.98 | .70 | 5.1 | 4.6 | 4.8 |
| July | 29.934 | 30.170 | 29.560 | 75.2 | 77.0 | 83.9 | 70.8 | 77.4 | 90 | 63 | 69 | 68 | 81 | 76 | .710 | .697 | 3.05 | 1.12 | 5.7 | 5.5 | 5.7 |
| August | 29.919 | 30.122 | 29.630 | 74.2 | 76.5 | 83.9 | 69.9 | 76.9 | 93 | 65 | 68 | 65 | 82 | 69 | .687 | .620 | 2.99 | .68 | 5.2 | 3.3 | 4.8 |
| September | 29.987 | 30.270 | 29.720 | 67.4 | 69.5 | 77.1 | 63.5 | 70.3 | 90 | 49 | 60 | 58 | 77 | 68 | .534 | .502 | 3.53 | 1.45 | 3.8 | 3.7 | 4.3 |
| October | 30.040 | 30.270 | 29.620 | 59.9 | 62.4 | 69.2 | 56.7 | 63.0 | 86 | 44 | 53 | 53 | 80 | 72 | .428 | .417 | 2.62 | 1.86 | 4.5 | 3.4 | 4.8 |
| November | 30.083 | 30.510 | 29.440 | 48.8 | 52.3 | 60.1 | 44.6 | 52.4 | 74 | 28 | 42 | 40 | 78 | 63 | .289 | .262 | 1.34 | .65 | 3.6 | 2.1 | 3.8 |
| December | 29.964 | 30.420 | 29.270 | 40.0 | 42.5 | 50.6 | 34.8 | 42.7 | 68 | 20 | 33 | 31 | 75 | 64 | .206 | .181 | 3.11 | 1.20 | 3.7 | 3.2 | 4.2 |
| Year | 29.956 | 30.610 | 28.940 | 56.1 | 59.3 | 67.3 | 51.4 | 59.4 | 93 | 17 | 49 | 47 | 78 | 66 | .403 | .380 | 33.83 | 2.48 | 4.5 | 3.9 | 4.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

NEW ORLEANS, LA.

[$H_b$=53 ft.; $h_t$=76 ft.; $h_r$=71 ft.; $h_a$=84 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 7.9 | SE. | 28 | NW. | 0 | 2 | 17 | 2 | 19 | 12 | 4 | 0 | 4 | 2 | 2 | 14 | 15 | 10 | 8 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 3 | 0 |
| February | 7.5 | NE. | 25 | N. | 0 | 10 | 11 | 1 | 11 | 3 | 8 | 6 | 6 | 2 | 16 | 7 | 6 | 5 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 1 | 0 |
| March | 8.5 | SW. | 32 | NW. | 0 | 3 | 6 | 3 | 5 | 7 | 26 | 3 | 9 | 0 | 16 | 11 | 4 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 |
| April | 7.2 | S. | 29 | NW. | 0 | 4 | 5 | 3 | 11 | 13 | 7 | 7 | 10 | 0 | 12 | 12 | 6 | 6 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 6 | 0 |
| May | 6.5 | SE. | 35 | SE. | 0 | 8 | 7 | 1 | 13 | 9 | 13 | 2 | 8 | 1 | 20 | 6 | 5 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 0 |
| June | 5.4 | SW. | 28 | SE. | 0 | 0 | 5 | 0 | 6 | 18 | 16 | 5 | 10 | 0 | 7 | 23 | 0 | 15 | 12 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 16 | 0 |
| July | 6.8 | SW. | 35 | NW. | 0 | 1 | 6 | 3 | 7 | 8 | 19 | 10 | 7 | 1 | 8 | 11 | 12 | 19 | 18 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 14 | 0 |
| August | 5.1 | SE. | 23 | SE. | 0 | 1 | 10 | 1 | 15 | 9 | 12 | 6 | 8 | 0 | 12 | 11 | 8 | 14 | 13 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 14 | 0 |
| September | 5.6 | NE. | 22 | NE. | 0 | 5 | 18 | 5 | 8 | 11 | 4 | 4 | 3 | 2 | 15 | 12 | 3 | 10 | 5 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 9 | 0 |
| October | 7.1 | NE. | 25 | E. | 0 | 6 | 18 | 9 | 12 | 4 | 3 | 1 | 8 | 1 | 22 | 3 | 6 | 7 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| November | 7.0 | SE. | 24 | N. | 0 | 8 | 13 | 14 | 8 | 3 | 4 | 3 | 7 | 0 | 15 | 8 | 7 | 4 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| December | 7.1 | SE. | 30 | E. | 0 | 6 | 8 | 4 | 17 | 8 | 11 | 3 | 5 | 0 | 10 | 5 | 16 | 11 | 9 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 4 | 0 |
| Year | 6.8 | SE. | 35 | SE. | 0 | 54 | 124 | 46 | 132 | 105 | 127 | 50 | 85 | 9 | 155 | 123 | 88 | 111 | 89 | 0 | 0 | 2 | 27 | 0 | 66 | 1 | 78 | 0 |

NEW YORK, N. Y.

[$H_b$=314 ft.; $h_t$=414 ft.; $h_r$=407 ft.; $h_a$=454 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 20.2 | SW. | 67 | NW. | 13 | 9 | 5 | 1 | 3 | 9 | 16 | 7 | 12 | 0 | 7 | 10 | 14 | 11 | 6 | 3 | 2 | 0 | 5 | 8 | 0 | 19 | 0 | 0 |
| February | 20.5 | NW. | 75 | NW. | 11 | 10 | 8 | 1 | 2 | 3 | 5 | 11 | 18 | 0 | 6 | 7 | 16 | 13 | 9 | 11 | 9 | 0 | 3 | 13 | 0 | 26 | 0 | 0 |
| March | 19.7 | NW. | 64 | NW. | 14 | 10 | 14 | 3 | 2 | 4 | 6 | 4 | 19 | 0 | 8 | 13 | 10 | 15 | 10 | 16 | 11 | 0 | 1 | 6 | 0 | 24 | 0 | 0 |
| April | 17.3 | NW. | 72 | NW. | 10 | 12 | 9 | 8 | 4 | 7 | 2 | 4 | 14 | 0 | 6 | 9 | 15 | 14 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| May | 16.5 | NW. | 63 | NW. | 11 | 7 | 7 | 6 | 7 | 4 | 10 | 7 | 14 | 0 | 4 | 13 | 14 | 14 | 9 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 5 | 0 |
| June | 13.8 | NW. | 53 | SE. | 4 | 8 | 10 | 7 | 8 | 6 | 7 | 2 | 12 | 0 | 4 | 13 | 13 | 13 | 9 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 5 | 0 |
| July | 13.1 | S. | 60 | SW. | 4 | 2 | 7 | 7 | 8 | 15 | 14 | 2 | 7 | 0 | 4 | 9 | 18 | 14 | 11 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 6 | 0 |
| August | 12.4 | S. | 45 | NW. | 5 | 9 | 8 | 2 | 6 | 12 | 12 | 4 | 9 | 0 | 12 | 13 | 6 | 7 | 4 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 5 | 0 |
| September | 16.3 | S. | 60 | NW. | 6 | 5 | 5 | 2 | 7 | 13 | 12 | 6 | 10 | 0 | 13 | 14 | 3 | 9 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 2 |
| October | 15.9 | NW. | 63 | NW. | 7 | 7 | 8 | 2 | 10 | 12 | 8 | 2 | 13 | 0 | 15 | 7 | 9 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| November | 17.8 | SW. | 66 | NW. | 8 | 7 | 5 | 0 | 1 | 6 | 16 | 12 | 13 | 0 | 13 | 4 | 13 | 8 | 5 | 2 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 |
| December | 20.6 | NW. | 88 | NW. | 13 | 3 | 4 | 3 | 2 | 6 | 6 | 13 | 25 | 0 | 9 | 12 | 10 | 12 | 9 | 9 | 6 | 0 | 3 | 8 | 0 | 23 | 1 | 0 |
| Year | 17.0 | NW. | 88 | NW. | 106 | 89 | 90 | 42 | 60 | 97 | 114 | 74 | 166 | 0 | 101 | 124 | 141 | 133 | 95 | 43 | 30 | 4 | 20 | 35 | 5 | 100 | 29 | 2 |

NOME, ALASKA.

[$H_b$=15 ft.; $h_t$=— ft.; $h_r$=65 ft.; $h_a$=70 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.5 | NE. | 43 | NW. | 1 | 2 | 11 | 3 | 2 | 1 | 4 | 1 | 3 | 3 | 9 | 3 | 19 | 11 | 11 | .... | .... | .... | .... | .... | .... | 31 | .... | .... |
| February | 7.2 | NE. | 38 | N. | 0 | 5 | 11 | 2 | 3 | 1 | 0 | 1 | 1 | 6 | 15 | 1 | 13 | 9 | 9 | 12 | 7 | .... | .... | 26 | 0 | 29 | .... | .... |
| March | 3.5 | N. | 38 | N. | 0 | 7 | 6 | 1 | 1 | 1 | 0 | 0 | 2 | 13 | 23 | 3 | 5 | 3 | 3 | 4 | 3 | .... | .... | 31 | 0 | 31 | .... | .... |
| April | 5.8 | NE. | 34 | S. | 0 | 6 | 7 | 6 | 3 | 1 | 2 | 2 | 3 | 0 | 15 | 1 | 14 | 10 | 8 | 11 | 3 | .... | .... | 19 | 0 | 30 | .... | .... |
| May | 5.5 | NE. | 23 | .... | 0 | 3 | 8 | 5 | 4 | 0 | 0 | 5 | 5 | 1 | 8 | 4 | 19 | 13 | 7 | 11 | 0 | .... | .... | 7 | 0 | 25 | .... | .... |
| June | 4.8 | W. | 16 | .... | 0 | 0 | 5 | 2 | 7 | 5 | 2 | 8 | 1 | 0 | 5 | 5 | 20 | 12 | 9 | 4 | 0 | .... | .... | 0 | 0 | 8 | .... | .... |
| July | 3.1 | W. | 29 | .... | 0 | 0 | 2 | 0 | 4 | 4 | 9 | 11 | 0 | 1 | 6 | 14 | 11 | 14 | 9 | .... | .... | .... | .... | 0 | 0 | 1 | .... | .... |
| August | 6.0 | SE. | 32 | .... | 0 | 1 | 1 | 0 | 12 | 4 | 3 | 2 | 0 | 8 | 2 | 8 | 21 | 17 | 16 | .... | .... | .... | .... | 0 | 0 | 3 | .... | .... |
| September | 3.7 | SE. | 28 | .... | 0 | 1 | 2 | 1 | 6 | 5 | 1 | 1 | 1 | 12 | 0 | 12 | 18 | 20 | 18 | 2 | 0 | .... | .... | 0 | 0 | 6 | .... | .... |
| October | 7.4 | NE. | 35 | .... | 0 | 4 | 7 | 2 | 2 | 6 | 2 | 0 | 3 | 5 | 4 | 11 | 16 | 18 | 17 | 9 | 2 | .... | .... | 6 | 0 | 17 | .... | .... |
| November | 5.4 | N. | 31 | .... | 0 | 4 | 3 | 3 | 1 | 2 | 3 | 1 | 1 | 12 | 7 | 5 | 18 | 4 | 3 | 11 | 4 | .... | .... | 28 | 0 | 30 | .... | .... |
| December | 3.9 | N. | 29 | .... | 0 | 11 | 6 | 3 | 0 | 2 | 0 | 0 | 0 | 9 | 18 | 4 | 9 | .... | .... | .... | .... | .... | .... | 31 | 0 | 31 | .... | .... |
| Year | 5.2 | NE. | 43 | NW. | 1 | 44 | 69 | 28 | 45 | 32 | 26 | 32 | 20 | 70 | 112 | 71 | 183 | .... | .... | .... | .... | .... | .... | .... | .... | 242 | .... | .... |

NORFOLK, VA.

[$H_b$=91 ft.; $h_t$=170 ft.; $h_r$=163 ft.; $h_a$=205 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.8 | SW. | 48 | SW. | 2 | 8 | 12 | 2 | 7 | 11 | 15 | 4 | 3 | 0 | 8 | 12 | 11 | 10 | 8 | 1 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 0 |
| February | 12.9 | N. | 50 | NW. | 4 | 10 | 6 | 2 | 6 | 9 | 9 | 9 | 7 | 0 | 11 | 9 | 9 | 11 | 10 | 5 | 5 | 0 | 2 | 1 | 0 | 15 | 2 | 0 |
| March | 16.0 | N. | 51 | NW. | 5 | 17 | 5 | 8 | 8 | 6 | 10 | 3 | 5 | 0 | 15 | 8 | 8 | 9 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 13 | 2 | 0 |
| April | 14.8 | N. | 62 | W. | 6 | 13 | 4 | 5 | 9 | 5 | 9 | 7 | 8 | 0 | 12 | 13 | 5 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | 13.5 | SW. | 43 | W. | 1 | 6 | 4 | 5 | 14 | 14 | 12 | 6 | 1 | 0 | 15 | 12 | 4 | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 |
| June | 10.5 | SE. | 75 | NW. | 2 | 9 | 2 | 8 | 16 | 9 | 14 | 1 | 1 | 0 | 13 | 9 | 8 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 |
| July | 13.0 | S. | 38 | NE. | 0 | 6 | 7 | 3 | 9 | 18 | 18 | 1 | 0 | 0 | 7 | 16 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| August | 10.2 | SW. | 53 | NW. | 2 | 12 | 6 | 7 | 4 | 12 | 14 | 5 | 2 | 0 | 11 | 13 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 |
| September | 11.7 | NE. | 46 | W. | 1 | 12 | 11 | 4 | 10 | 8 | 5 | 5 | 5 | 0 | 15 | 7 | 8 | 9 | 6 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 5 | 0 |
| October | 14.1 | NE. | 44 | S. | 2 | 21 | 15 | 6 | 3 | 8 | 7 | 1 | 1 | 0 | 10 | 14 | 7 | 4 | 4 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 |
| November | 12.7 | S. | 46 | SW. | 1 | 16 | 6 | 3 | 3 | 15 | 9 | 2 | 6 | 0 | 16 | 6 | 8 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| December | 14.4 | SW. | 74 | W. | 5 | 8 | 7 | 5 | 4 | 7 | 15 | 8 | 8 | 0 | 16 | 6 | 9 | 9 | 8 | 4 | 1 | 0 | 3 | 2 | 0 | 11 | 1 | 0 |
| Year | 13.5 | N. | 75 | NW. | 31 | 138 | 85 | 58 | 93 | 122 | 137 | 52 | 47 | 0 | 149 | 125 | 92 | 109 | 90 | 12 | 7 | 0 | 13 | 3 | 9 | 51 | 39 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

NORTHFIELD, VT.

[$\phi$=44° 10′ N.; $\lambda$=72° 41′ 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 | 29.166 | 29.730 | 28.390 | 17.7 | 23.4 | 33.8 | 10.5 | 22.2 | 60 | −16 | 14 | 18 | 84 | 81 | 0.099 | 0.115 | 1.14 | 0.29 | 6.4 | 6.8 | 7.3 |
| February | 28.996 | 29.630 | 28.000 | 12.4 | 15.2 | 23.6 | 5.8 | 14.7 | 52 | −24 | 8 | 12 | 82 | 85 | .074 | .080 | 2.71 | 1.23 | 8.0 | 7.1 | 7.6 |
| March | 28.948 | 29.255 | 28.200 | 14.8 | 21.2 | 31.1 | 6.8 | 19.0 | 60 | −13 | 11 | 14 | 83 | 74 | .085 | .089 | 1.31 | .58 | 4.9 | 4.2 | 5.0 |
| April | 28.977 | 29.310 | 28.510 | 38.6 | 41.4 | 51.2 | 30.4 | 40.8 | 69 | 22 | 31 | 33 | 74 | 72 | .174 | .190 | 1.94 | .68 | 7.1 | 6.5 | 7.6 |
| May | 28.948 | 29.381 | 28.430 | 52.5 | 53.5 | 62.4 | 40.5 | 51.4 | 79 | 27 | 40 | 43 | 65 | 70 | .260 | .291 | 3.83 | 2.10 | 6.7 | 6.5 | 7.1 |
| June | 29.019 | 29.210 | 28.700 | 58.2 | 59.1 | 66.9 | 48.1 | 57.5 | 83 | 34 | 50 | 52 | 76 | 78 | .362 | .389 | 4.47 | .80 | 7.4 | 7.1 | 7.7 |
| July | 29.068 | 29.383 | 28.640 | 67.9 | 69.4 | 80.4 | 57.1 | 68.8 | 90 | 44 | 62 | 63 | 82 | 82 | .565 | .592 | 4.02 | 1.96 | 6.9 | 6.8 | 6.6 |
| August | 29.055 | 29.340 | 28.700 | 62.8 | 64.8 | 78.4 | 51.9 | 65.2 | 92 | 40 | 57 | 59 | 82 | 82 | .476 | .512 | 1.94 | .85 | 4.7 | 3.3 | 4.9 |
| September | 29.096 | 29.580 | 28.760 | 54.3 | 55.2 | 67.7 | 43.2 | 55.4 | 85 | 32 | 48 | 50 | 79 | 83 | .343 | .377 | 3.00 | 1.14 | 5.7 | 4.4 | 6.1 |
| October | 29.166 | 29.602 | 28.430 | 41.3 | 44.5 | 59.7 | 31.8 | 45.8 | 82 | 23 | 36 | 38 | 80 | 79 | .215 | .240 | 2.09 | 1.03 | 4.7 | 4.0 | 5.3 |
| November | 29.108 | 29.572 | 28.080 | 28.7 | 31.7 | 41.5 | 21.6 | 31.6 | 67 | − 2 | 24 | 26 | 82 | 79 | .138 | .148 | 3.13 | .94 | 7.2 | 6.4 | 7.2 |
| December | 28.944 | 29.565 | 28.050 | 16.7 | 19.4 | 27.4 | 10.9 | 19.2 | 52 | −20 | 14 | 16 | 87 | 86 | .092 | .101 | 1.78 | .80 | 6.8 | 6.4 | 7.5 |
| Year | 29.041 | 29.730 | 28.000 | 38.8 | 41.6 | 52.0 | 29.9 | 41.0 | 92 | −24 | 33 | 35 | 80 | 79 | .240 | .260 | 31.36 | 2.10 | 6.4 | 5.8 | 6.7 |

NORTH HEAD, WASH.

[$\phi$=46° 16′ N.; $\lambda$=124° 4′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.579 | 30.200 | 29.050 | 33.1 | 35.7 | 37.8 | 30.3 | 34.0 | 48 | 22 | 31 | 31 | 90 | 83 | 0.173 | 0.176 | 6.60 | 2.28 | 5.2 | 7.9 | 7.7 |
| February | 29.785 | 30.143 | 29.080 | 44.8 | 47.1 | 49.8 | 41.7 | 45.8 | 65 | 29 | 42 | 42 | 89 | 85 | .270 | .275 | 10.55 | 3.69 | 5.7 | 5.8 | 6.5 |
| March | 29.812 | 30.250 | 29.090 | 44.1 | 46.5 | 47.7 | 42.2 | 45.0 | 57 | 36 | 42 | 43 | 92 | 89 | .270 | .282 | 9.32 | 1.87 | 6.4 | 7.1 | 7.9 |
| April | 29.908 | 30.200 | 29.500 | 45.9 | 48.4 | 50.0 | 43.6 | 46.8 | 56 | 39 | 43 | 43 | 89 | 83 | .275 | .284 | 3.32 | .87 | 7.7 | 7.7 | 7.2 |
| May | 29.849 | 30.240 | 29.310 | 47.0 | 50.2 | 51.6 | 45.1 | 48.4 | 57 | 38 | 45 | 44 | 92 | 81 | .296 | .292 | 2.34 | .38 | 8.3 | 7.5 | 7.2 |
| June | 29.837 | 30.130 | 29.450 | 50.8 | 53.8 | 56.3 | 50.0 | 53.2 | 68 | 46 | 48 | 49 | 91 | 85 | .336 | .352 | 1.27 | .51 | 7.1 | 7.5 | 6.4 |
| July | 29.855 | 30.070 | 29.610 | 55.5 | 58.6 | 60.0 | 54.6 | 57.3 | 64 | 50 | 53 | 54 | 91 | 84 | .403 | .411 | 2.14 | .80 | 9.2 | 6.6 | 7.4 |
| August | 29.815 | 30.030 | 29.600 | 55.0 | 58.1 | 60.0 | 53.6 | 56.8 | 71 | 50 | 53 | 55 | 94 | 89 | .406 | .425 | 0.30 | .08 | 5.7 | 5.2 | 6.2 |
| September | 29.826 | 30.080 | 29.540 | 54.6 | 57.4 | 61.1 | 52.3 | 56.7 | 80 | 45 | 50 | 52 | 88 | 85 | .370 | .392 | 1.29 | .45 | 4.6 | 5.1 | 5.2 |
| October | 29.905 | 30.261 | 29.460 | 49.0 | 50.6 | 53.8 | 46.1 | 50.0 | 65 | 43 | 44 | 47 | 86 | 87 | .294 | .320 | 1.77 | 1.10 | 3.3 | 4.4 | 5.5 |
| November | 29.920 | 30.370 | 29.150 | 44.5 | 46.2 | 49.2 | 41.3 | 45.2 | 58 | 31 | 39 | 40 | 84 | 82 | .249 | .257 | 6.75 | 1.53 | 4.0 | 6.1 | 5.8 |
| December | 29.745 | 30.360 | 28.800 | 39.5 | 41.1 | 43.5 | 37.2 | 40.4 | 48 | 31 | 38 | 39 | 94 | 92 | .230 | .239 | 6.38 | 1.09 | 8.1 | 8.5 | 8.8 |
| Year | 29.820 | 30.370 | 28.800 | 47.0 | 49.5 | 51.7 | 44.8 | 48.3 | 80 | 22 | 44 | 45 | 90 | 85 | .298 | .309 | 52.03 | 3.69 | 6.3 | 6.6 | 6.8 |

NORTH PLATTE, NEBR.

[$\phi$=41° 8′ N.; $\lambda$=100° 45′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.108 | 27.470 | 26.520 | 8.1 | 17.7 | 25.9 | 4.2 | 15.0 | 56 | −22 | 4 | 12 | 82 | 76 | 0.058 | 0.083 | 0.85 | 0.31 | 4.2 | 4.2 | 4.9 |
| February | 27.197 | 27.540 | 26.660 | 18.7 | 33.5 | 41.2 | 16.4 | 28.8 | 69 | −11 | 14 | 21 | 81 | 63 | .089 | .120 | .81 | .61 | 2.8 | 2.8 | 3.6 |
| March | 27.019 | 27.510 | 26.277 | 30.0 | 49.9 | 58.4 | 27.5 | 43.0 | 80 | − 5 | 23 | 26 | 74 | 43 | .129 | .148 | .20 | .08 | 5.2 | 5.6 | 4.7 |
| April | 27.075 | 27.430 | 26.560 | 37.3 | 55.5 | 60.6 | 34.9 | 47.8 | 87 | 19 | 32 | 34 | 80 | 46 | .185 | .199 | .72 | .42 | 6.1 | 5.5 | 5.4 |
| May | 26.948 | 27.270 | 26.548 | 47.2 | 67.8 | 71.8 | 44.6 | 58.2 | 94 | 27 | 41 | 38 | 80 | 40 | .270 | .246 | 1.95 | 1.25 | 4.0 | 3.8 | 4.1 |
| June | 27.030 | 27.300 | 26.770 | 55.5 | 72.0 | 77.1 | 52.2 | 64.6 | 95 | 38 | 52 | 53 | 88 | 55 | .397 | .417 | 3.09 | .73 | 4.6 | 4.9 | 4.5 |
| July | 27.085 | 27.400 | 26.830 | 67.6 | 87.8 | 93.6 | 66.5 | 80.0 | 100 | 60 | 59 | 59 | 75 | 40 | .500 | .502 | .59 | .33 | 2.0 | 3.0 | 1.9 |
| August | 27.105 | 27.420 | 26.740 | 62.6 | 80.1 | 86.8 | 61.3 | 74.0 | 99 | 50 | 58 | 59 | 85 | 51 | .486 | .501 | 2.35 | .64 | 5.4 | 4.0 | 4.0 |
| September | 27.099 | 27.520 | 26.710 | 49.3 | 69.5 | 78.0 | 47.5 | 62.8 | 94 | 30 | 43 | 46 | 82 | 45 | .302 | .335 | .70 | .46 | 3.8 | 2.4 | 2.9 |
| October | 27.126 | 27.620 | 26.620 | 37.3 | 53.4 | 63.8 | 35.1 | 49.4 | 90 | 14 | 31 | 34 | 79 | 52 | .181 | .203 | .81 | .47 | 3.9 | 3.2 | 3.7 |
| November | 27.166 | 27.600 | 26.540 | 25.4 | 37.9 | 49.1 | 22.4 | 35.8 | 78 | − 5 | 20 | 25 | 79 | 61 | .110 | .139 | .47 | .20 | 2.8 | 3.0 | 3.7 |
| December | 26.990 | 27.390 | 26.460 | 11.1 | 20.8 | 32.7 | 6.1 | 19.4 | 66 | −17 | 7 | 12 | 82 | 68 | .065 | .076 | .42 | .14 | 4.6 | 3.3 | 4.6 |
| Year | 27.079 | 27.620 | 26.277 | 37.5 | 53.8 | 61.6 | 34.9 | 48.2 | 100 | −22 | 32 | 35 | 81 | 53 | .231 | .247 | 12.96 | 1.25 | 4.1 | 3.8 | 4.0 |

OKLAHOMA, OKLA.

[$\phi$=35° 26′ N.; $\lambda$=97° 33′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.819 | 29.320 | 28.250 | 29.7 | 34.7 | 43.1 | 23.6 | 33.4 | 68 | − 4 | 26 | 29 | 88 | 79 | 0.169 | 0.179 | 4.28 | 1.32 | 7.9 | 6.5 | 7.2 |
| February | 28.879 | 29.360 | 28.390 | 32.1 | 42.5 | 49.4 | 29.2 | 39.3 | 74 | 10 | 28 | 31 | 85 | 67 | .162 | .181 | .39 | .32 | 4.8 | 4.2 | 4.4 |
| March | 28.667 | 29.260 | 28.150 | 44.3 | 59.2 | 67.5 | 41.3 | 54.4 | 95 | 12 | 32 | 34 | 63 | 44 | .185 | .216 | 1.66 | .90 | 5.6 | 4.5 | 4.1 |
| April | 28.692 | 29.100 | 28.200 | 48.5 | 59.5 | 64.7 | 46.1 | 55.4 | 84 | 27 | 43 | 46 | 84 | 64 | .293 | .319 | 3.15 | .79 | 6.8 | 5.6 | 5.6 |
| May | 28.580 | 28.870 | 28.270 | 62.0 | 74.7 | 79.8 | 58.4 | 69.1 | 91 | 40 | 56 | 55 | 82 | 52 | .473 | .455 | .59 | .18 | 5.0 | 4.3 | 4.4 |
| June | 28.608 | 28.860 | 28.080 | 68.2 | 79.4 | 84.4 | 64.8 | 74.6 | 96 | 55 | 63 | 64 | 85 | 61 | .589 | .615 | 6.16 | 2.25 | 6.0 | 4.8 | 5.1 |
| July | 28.695 | 28.940 | 28.489 | 73.5 | 88.9 | 93.8 | 70.3 | 82.0 | 101 | 65 | 67 | 67 | 81 | 48 | .665 | .653 | 2.87 | 2.86 | 2.6 | 2.0 | 2.4 |
| August | 28.712 | 28.960 | 28.480 | 72.7 | 87.0 | 95.4 | 70.7 | 83.0 | 102 | 56 | 64 | 62 | 75 | 46 | .609 | .563 | .68 | .36 | 4.3 | 2.7 | 3.3 |
| September | 28.738 | 29.110 | 28.350 | 62.1 | 74.8 | 84.0 | 60.5 | 72.2 | 94 | 39 | 55 | 57 | 78 | 56 | .461 | .500 | 2.54 | .89 | 3.6 | 2.9 | 2.6 |
| October | 28.764 | 29.130 | 28.400 | 52.6 | 64.5 | 74.3 | 50.6 | 62.4 | 91 | 28 | 45 | 48 | 78 | 57 | .323 | .355 | 1.73 | 1.12 | 3.9 | 3.1 | 3.7 |
| November | 28.830 | 29.170 | 28.460 | 40.6 | 50.8 | 61.2 | 38.2 | 49.7 | 83 | 14 | 35 | 36 | 79 | 60 | .213 | .228 | 2.35 | 1.54 | 2.7 | 1.7 | 2.6 |
| December | 28.690 | 29.120 | 28.116 | 30.6 | 40.3 | 49.1 | 26.1 | 37.6 | 77 | 2 | 23 | 27 | 74 | 60 | .139 | .160 | 1.05 | .32 | 3.9 | 2.4 | 3.8 |
| Year | 28.723 | 29.360 | 28.080 | 51.4 | 63.0 | 70.6 | 48.3 | 59.4 | 102 | − 4 | 45 | 46 | 79 | 58 | .357 | .369 | 27.45 | 2.86 | 4.8 | 3.7 | 4.1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

NORTHFIELD, VT.

[$H_b$=876 ft.; $h_t$=12 ft.; $h_r$=3 ft.; $h_a$=60 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 9.9 | S. | 34 | SW. | 0 | 10 | 2 | 0 | 1 | 31 | 14 | 0 | 4 | 0 | 5 | 7 | 19 | 14 | 9 | 16 | 8 | 0 | 1 | 15 | 0 | 26 | 0 | 0 |
| February | 7.3 | N. | 30 | SW. | 0 | 24 | 1 | 0 | 0 | 19 | 10 | 1 | 2 | 1 | 4 | 5 | 20 | 18 | 8 | 21 | 16 | 0 | 0 | 21 | 0 | 29 | 0 | 0 |
| March | 6.8 | N. | 31 | NW. | 0 | 18 | 4 | 2 | 0 | 28 | 4 | 0 | 6 | 0 | 13 | 7 | 11 | 9 | 7 | 16 | 9 | 0 | 0 | 20 | 0 | 31 | 0 | 2 |
| April | 6.6 | S. | 27 | N. | 0 | 20 | 8 | 0 | 2 | 18 | 8 | 3 | 1 | 0 | 4 | 4 | 22 | 12 | 9 | 7 | 6 | 0 | 0 | 0 | 0 | 19 | 0 | 2 |
| May | 8.2 | S. | 39 | SW. | 0 | 20 | 1 | 1 | 3 | 24 | 9 | 0 | 4 | 0 | 4 | 9 | 18 | 11 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 4 | 2 |
| June | 6.9 | S. | 26 | SW. | 0 | 17 | 2 | 0 | 2 | 24 | 9 | 1 | 3 | 2 | 4 | 4 | 22 | 19 | 16 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 |
| July | 5.7 | S. | 27 | N. | 0 | 17 | 5 | 1 | 1 | 34 | 4 | 0 | 0 | 0 | 5 | 13 | 13 | 12 | 12 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 11 | 0 |
| August | 5.4 | S. | 28 | SW. | 0 | 16 | 3 | 1 | 1 | 29 | 6 | 1 | 4 | 1 | 11 | 10 | 10 | 12 | 8 | 0 | 0 | 0 | 4 | 0 | 4 | 0 | 5 | 2 |
| September | 7.1 | S. | 26 | S. | 0 | 21 | 0 | 0 | 1 | 29 | 8 | 1 | 0 | 0 | 10 | 6 | 14 | 11 | 7 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 3 |
| October | 7.7 | S. | 46 | SW. | 1 | 9 | 3 | 0 | 1 | 36 | 12 | 0 | 1 | 0 | 10 | 13 | 8 | 8 | 8 | 1 | 1 | 0 | 3 | 0 | 0 | 18 | 2 | 3 |
| November | 7.2 | S. | 35 | SW. | 0 | 14 | 1 | 0 | 2 | 23 | 14 | 1 | 5 | 0 | 3 | 9 | 18 | 15 | 10 | 12 | 8 | 0 | 1 | 9 | 0 | 22 | 0 | 0 |
| December | 6.5 | N. | 29 | N. | 0 | 18 | 4 | 0 | 1 | 18 | 9 | 1 | 9 | 2 | 4 | 10 | 17 | 16 | 10 | 19 | 14 | 0 | 1 | 18 | 0 | 30 | 0 | 0 |
| Year | 7.1 | S. | 46 | SW. | 1 | 204 | 34 | 5 | 15 | 313 | 107 | 9 | 39 | 6 | 77 | 97 | 192 | 157 | 113 | 92 | 62 | 0 | 18 | 83 | 5 | 181 | 29 | 14 |

NORTH HEAD, WASH.

[$H_b$=211 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=56 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 18.3 | E. | 94 | S. | 10 | 4 | 2 | 35 | 6 | 7 | 4 | 4 | 0 | 0 | 5 | 4 | 22 | 21 | 18 | 13 | 12 | 1 | 0 | 6 | 0 | 21 | 0 | 0 |
| February | 18.4 | E. | 62 | S. | 11 | 11 | 0 | 14 | 14 | 9 | 2 | 4 | 4 | 0 | 9 | 4 | 16 | 17 | 16 | 4 | 4 | 1 | 8 | 1 | 0 | 3 | 0 | 0 |
| March | 20.8 | S. | 82 | S. | 15 | 4 | 3 | 4 | 11 | 17 | 5 | 7 | 11 | 0 | 2 | 8 | 21 | 23 | 19 | 0 | 0 | 2 | 6 | 0 | 0 | 0 | 0 | 0 |
| April | 17.0 | NW. | 70 | SE. | 8 | 3 | 0 | 4 | 11 | 14 | 7 | 4 | 17 | 0 | 4 | 7 | 19 | 19 | 14 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| May | 16.2 | NW. | 74 | SE. | 6 | 2 | 2 | 4 | 3 | 8 | 9 | 10 | 24 | 0 | 3 | 8 | 20 | 19 | 14 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| June | 16.7 | NW. | 52 | SE. | 3 | 4 | 1 | 2 | 6 | 8 | 2 | 3 | 34 | 0 | 5 | 11 | 14 | 12 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| July | 12.5 | NW. | 42 | SE. | 1 | 4 | 1 | 0 | 9 | 5 | 5 | 6 | 31 | 1 | 2 | 10 | 19 | 17 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August | 12.1 | NW. | 37 | NW. | 0 | 11 | 2 | 1 | 4 | 6 | 2 | 4 | 32 | 0 | 8 | 6 | 17 | 9 | 3 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| September | 12.3 | NW. | 38 | NW. | 0 | 16 | 2 | 5 | 9 | 5 | 0 | 6 | 17 | 0 | 11 | 8 | 11 | 7 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| October | 11.2 | N. | 72 | S. | 3 | 16 | 3 | 4 | 6 | 3 | 1 | 4 | 25 | 0 | 13 | 5 | 13 | 7 | 6 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| November | 17.7 | SE. | 78 | SE. | 15 | 3 | 0 | 16 | 14 | 8 | 5 | 1 | 12 | 1 | 10 | 4 | 16 | 17 | 14 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 |
| December | 15.5 | E. | 96 | SE. | 8 | 4 | 3 | 20 | 13 | 3 | 7 | 5 | 7 | 0 | 1 | 4 | 26 | 25 | 20 | 5 | 5 | 2 | 3 | 0 | 0 | 2 | 0 | 0 |
| Year | 15.7 | NW. | 96 | SE. | 80 | 82 | 19 | 109 | 106 | 93 | 49 | 58 | 214 | 2 | 73 | 79 | 214 | 193 | 147 | 22 | 21 | 12 | 47 | 7 | 0 | 27 | 0 | 0 |

NORTH PLATTE, NEBR.

[$H_b$=2,821 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=51 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.2 | W. | 27 | NW. | 0 | 16 | 1 | 7 | 7 | 7 | 4 | 11 | 9 | 0 | 13 | 7 | 11 | 12 | 6 | 13 | 12 | 0 | 0 | 17 | 0 | 31 | 0 | 0 |
| February | 6.2 | W. | 28 | N. | 0 | 8 | 6 | 5 | 6 | 4 | 2 | 20 | 7 | 0 | 17 | 7 | 5 | 4 | 2 | 8 | 4 | 0 | 0 | 12 | 0 | 29 | 0 | 0 |
| March | 9.5 | NW. | 40 | NW. | 2 | 12 | 2 | 5 | 7 | 7 | 1 | 13 | 15 | 0 | 14 | 9 | 8 | 4 | 3 | 4 | 4 | 0 | 0 | 2 | 0 | 19 | 0 | 0 |
| April | 8.2 | N. | 39 | N. | 0 | 12 | 4 | 7 | 5 | 10 | 4 | 8 | 9 | 1 | 9 | 12 | 9 | 7 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 13 | 1 | 0 |
| May | 9.0 | W. | 36 | N. | 0 | 10 | 1 | 9 | 8 | 5 | 3 | 15 | 11 | 0 | 18 | 4 | 9 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 4 | 0 |
| June | 7.2 | SE. | 33 | N. | 0 | 8 | 5 | 5 | 16 | 5 | 2 | 7 | 10 | 2 | 14 | 8 | 8 | 13 | 9 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 12 | 0 |
| July | 8.0 | SE. | 31 | NW. | 0 | 3 | 3 | 8 | 28 | 13 | 4 | 1 | 2 | 0 | 24 | 6 | 1 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 6 | 0 |
| August | 6.5 | S. | 30 | S. | 0 | 5 | 7 | 7 | 20 | 13 | 4 | 1 | 4 | 1 | 14 | 13 | 4 | 12 | 7 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 11 | 0 |
| September | 6.4 | S. | 30 | N. | 0 | 11 | 3 | 7 | 11 | 12 | 2 | 10 | 4 | 0 | 20 | 5 | 5 | 5 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 2 | 2 | 0 |
| October | 8.8 | W. | 31 | SW. | 0 | 10 | 11 | 5 | 5 | 9 | 4 | 11 | 7 | 0 | 19 | 3 | 9 | 5 | 4 | 4 | 4 | 0 | 0 | 0 | 1 | 13 | 0 | 0 |
| November | 7.2 | W. | 28 | NW. | 0 | 7 | 4 | 2 | 3 | 3 | 3 | 33 | 5 | 0 | 17 | 5 | 8 | 5 | 5 | 6 | 5 | 0 | 1 | 4 | 0 | 26 | 0 | 0 |
| December | 7.1 | W. | 32 | N. | 0 | 8 | 6 | 4 | 3 | 3 | 7 | 22 | 8 | 1 | 14 | 8 | 9 | 8 | 4 | 10 | 8 | 0 | 0 | 18 | 0 | 30 | 0 | 0 |
| Year | 7.6 | W. | 40 | NW. | 2 | 110 | 53 | 71 | 119 | 91 | 40 | 152 | 91 | 5 | 193 | 87 | 86 | 80 | 56 | 47 | 39 | 2 | 2 | 53 | 45 | 166 | 36 | 0 |

OKLAHOMA, OKLA.

[$H_b$=1,214 ft.; $h_t$=10 ft.; $h_r$=3 ft.; $h_a$=47 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 16.9 | N. | 44 | N. | 2 | 23 | 5 | 1 | 7 | 17 | 4 | 0 | 5 | 0 | 5 | 10 | 16 | 12 | 10 | 8 | 3 | 0 | 5 | 14 | 0 | 23 | 4 | 0 |
| February | 13.8 | N. | 44 | N. | 2 | 22 | 4 | 3 | 5 | 15 | 5 | 0 | 4 | 0 | 14 | 5 | 10 | 4 | 2 | 5 | 0 | 0 | 5 | 5 | 0 | 17 | 1 | 0 |
| March | 18.3 | S. | 50 | N. | 5 | 18 | 3 | 2 | 3 | 22 | 7 | 0 | 7 | 0 | 18 | 6 | 7 | 6 | 5 | 2 | 1 | 1 | 0 | 0 | 1 | 5 | 2 | 0 |
| April | 17.0 | S. | 50 | S. | 4 | 20 | 7 | 1 | 2 | 21 | 2 | 0 | 6 | 1 | 6 | 14 | 10 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| May | 16.8 | S. | 43 | S. | 2 | 8 | 2 | 2 | 5 | 34 | 4 | 0 | 6 | 1 | 12 | 15 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 |
| June | 13.8 | S. | 61 | N. | 4 | 6 | 5 | 4 | 14 | 21 | 5 | 0 | 5 | 0 | 10 | 17 | 3 | 15 | 12 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 18 | 0 |
| July | 7.9 | S. | 42 | N. | 1 | 7 | 9 | 7 | 15 | 22 | 1 | 0 | 1 | 0 | 23 | 6 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 4 | 0 |
| August | 11.9 | S. | 35 | SE. | 0 | 4 | 3 | 3 | 8 | 40 | 3 | 1 | 0 | 0 | 19 | 10 | 2 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 5 | 0 |
| September | 12.8 | S. | 43 | N. | 1 | 10 | 6 | 4 | 8 | 30 | 1 | 1 | 0 | 0 | 20 | 9 | 1 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 5 | 0 |
| October | 13.2 | S. | 44 | N. | 1 | 12 | 5 | 3 | 5 | 27 | 0 | 2 | 8 | 0 | 19 | 5 | 7 | 5 | 4 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 2 | 0 |
| November | 16.5 | S. | 44 | S. | 3 | 18 | 1 | 0 | 1 | 29 | 4 | 3 | 4 | 0 | 22 | 5 | 3 | 5 | 4 | 1 | 1 | 0 | 0 | 1 | 0 | 9 | 1 | 0 |
| December | 15.4 | S. | 45 | S. | 2 | 18 | 4 | 4 | 5 | 21 | 3 | 4 | 3 | 0 | 18 | 9 | 4 | 4 | 4 | 5 | 2 | 0 | 1 | 5 | 0 | 21 | 1 | 0 |
| Year | 14.5 | S. | 61 | N. | 27 | 166 | 54 | 34 | 78 | 299 | 39 | 11 | 49 | 2 | 186 | 111 | 69 | 81 | 66 | 21 | 7 | 3 | 13 | 25 | 70 | 79 | 50 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

OMAHA, NEBR.

[$\phi$=41° 16′ N.; $\lambda$=95° 56′ 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 | 28.940 | 29.500 | 28.237 | 13.9 | 19.3 | 25.8 | 8.7 | 17.2 | 59 | −22 | 10 | 13 | 84 | 75 | 0.084 | 0.099 | 2.20 | 0.64 | 5.5 | 4.6 | 5.8 |
| February | 29.007 | 29.540 | 28.630 | 18.4 | 27.0 | 31.4 | 15.7 | 23.6 | 58 | − 7 | 15 | 19 | 85 | 72 | .095 | .115 | .54 | .24 | 4.3 | 4.1 | 4.7 |
| March | 28.772 | 29.320 | 28.080 | 31.7 | 44.7 | 50.3 | 28.7 | 39.5 | 73 | 1 | 26 | 30 | 78 | 57 | .145 | .174 | .35 | .24 | 4.9 | 4.9 | 5.0 |
| April | 28.803 | 29.167 | 28.140 | 42.9 | 54.9 | 58.9 | 40.1 | 49.5 | 86 | 24 | 37 | 36 | 80 | 53 | .229 | .220 | 1.72 | 1.13 | 6.3 | 6.0 | 6.5 |
| May | 28.666 | 28.990 | 28.220 | 55.8 | 68.5 | 73.4 | 52.6 | 63.0 | 90 | 36 | 46 | 48 | 72 | 52 | .335 | .361 | 4.57 | 1.81 | 4.7 | 5.1 | 4.9 |
| June | 28.723 | 28.980 | 28.440 | 62.1 | 73.8 | 77.2 | 58.8 | 68.0 | 92 | 50 | 55 | 58 | 79 | 58 | .451 | .497 | 2.58 | 1.10 | 4.2 | 3.4 | 4.9 |
| July | 28.810 | 29.050 | 28.590 | 75.7 | 88.6 | 93.0 | 72.9 | 83.0 | 99 | 64 | 66 | 66 | 73 | 48 | .646 | .645 | .45 | .22 | 1.9 | 1.5 | 2.4 |
| August | 28.810 | 29.058 | 28.483 | 69.1 | 80.8 | 85.9 | 67.1 | 76.5 | 100 | 52 | 61 | 64 | 77 | 60 | .559 | .629 | 2.74 | 1.00 | 5.0 | 2.6 | 4.5 |
| September | 28.815 | 29.160 | 28.310 | 56.7 | 69.2 | 76.1 | 54.8 | 65.4 | 95 | 34 | 50 | 51 | 78 | 55 | .388 | .415 | 1.76 | 1.18 | 2.7 | 3.5 | 3.8 |
| October | 28.852 | 29.374 | 28.450 | 45.7 | 57.2 | 64.0 | 43.7 | 53.8 | 88 | 20 | 38 | 40 | 75 | 54 | .236 | .254 | 1.17 | .50 | 3.9 | 4.1 | 4.3 |
| November | 28.889 | 29.320 | 28.430 | 34.7 | 43.4 | 49.3 | 32.0 | 40.6 | 78 | 3 | 28 | 28 | 78 | 57 | .163 | .160 | .73 | .22 | 2.9 | 2.7 | 3.8 |
| December | 28.788 | 29.350 | 28.300 | 17.6 | 25.1 | 32.2 | 12.3 | 22.2 | 64 | −14 | 11 | 14 | 77 | 62 | .083 | .093 | .65 | .20 | 3.7 | 2.9 | 4.3 |
| Year | 28.823 | 29.540 | 28.080 | 43.7 | 54.4 | 59.8 | 40.6 | 50.2 | 100 | −22 | 37 | 39 | 78 | 59 | .284 | .305 | 19.46 | 1.81 | 4.2 | 3.8 | 4.6 |

OSWEGO, N. Y.

[$\phi$=43° 29′ N.; $\lambda$=76° 35′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.753 | 30.310 | 28.990 | 27.8 | 31.3 | 38.4 | 21.6 | 30.0 | 61 | 1 | 24 | 25 | 84 | 78 | 0.144 | 0.149 | 2.95 | 0.76 | 8.7 | 8.5 | 8.8 |
| February | 29.650 | 30.320 | 28.820 | 17.1 | 29.7 | 24.8 | 12.7 | 18.8 | 38 | − 6 | 14 | 16 | 86 | 81 | .087 | .094 | 2.32 | 1.52 | 9.1 | 7.8 | 8.6 |
| March | 29.570 | 29.950 | 28.920 | 22.8 | 26.5 | 30.7 | 18.2 | 24.4 | 59 | − 1 | 18 | 18 | 79 | 71 | .101 | .106 | 1.16 | .32 | 6.8 | 5.9 | 6.8 |
| April | 29.562 | 29.870 | 28.940 | 41.2 | 43.2 | 49.3 | 36.2 | 42.8 | 70 | 29 | 36 | 36 | 83 | 77 | .219 | .215 | 1.58 | .41 | 7.2 | 6.8 | 6.8 |
| May | 29.529 | 29.980 | 28.980 | 50.8 | 52.8 | 63.0 | 44.9 | 54.0 | 79 | 37 | 44 | 44 | 78 | 72 | .301 | .297 | 4.60 | 1.95 | 5.5 | 6.2 | 5.4 |
| June | 29.563 | 29.850 | 29.230 | 58.2 | 58.6 | 66.3 | 51.9 | 59.1 | 80 | 43 | 52 | 52 | 81 | 79 | .397 | .390 | 5.85 | 1.58 | 6.3 | 7.0 | 6.1 |
| July | 29.617 | 29.890 | 29.170 | 71.6 | 71.6 | 80.7 | 66.0 | 73.4 | 92 | 54 | 63 | 64 | 76 | 70 | .590 | .595 | 1.05 | .72 | 4.4 | 4.5 | 3.6 |
| August | 29.606 | 29.860 | 29.280 | 66.9 | 71.4 | 78.1 | 61.4 | 69.8 | 97 | 51 | 59 | 60 | 77 | 69 | .519 | .531 | 1.21 | .31 | 4.5 | 2.7 | 3.4 |
| September | 29.646 | 30.051 | 29.390 | 59.3 | 62.9 | 71.0 | 54.7 | 62.8 | 90 | 38 | 50 | 51 | 73 | 67 | .383 | .398 | 1.98 | .53 | 4.8 | 5.1 | 5.3 |
| October | 29.725 | 30.130 | 29.010 | 47.1 | 52.2 | 60.0 | 42.3 | 51.2 | 82 | 31 | 39 | 41 | 74 | 68 | .245 | .270 | 2.16 | .78 | 6.1 | 4.8 | 5.5 |
| November | 29.698 | 30.160 | 28.740 | 35.9 | 39.2 | 45.1 | 32.1 | 38.6 | 70 | 12 | 29 | 31 | 76 | 73 | .163 | .183 | 1.56 | .38 | 7.9 | 7.2 | 7.6 |
| December | 29.575 | 30.210 | 28.950 | 26.8 | 28.2 | 33.8 | 22.0 | 27.9 | 56 | 3 | 22 | 22 | 80 | 78 | .123 | .123 | 1.91 | .55 | 9.3 | 8.3 | 8.6 |
| Year | 29.624 | 30.320 | 28.740 | 43.8 | 46.8 | 53.4 | 38.7 | 46.1 | 97 | − 6 | 38 | 38 | 79 | 74 | .273 | .279 | 28.33 | 1.95 | 6.7 | 6.2 | 6.4 |

PALESTINE, TEX.

[$\phi$=31° 45′ N.; $\lambda$=95° 40′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.588 | 30.020 | 29.110 | 49.7 | 52.8 | 61.7 | 43.2 | 52.4 | 78 | 13 | 45 | 46 | 90 | 80 | 0.332 | 0.346 | 4.20 | 2.01 | 8.3 | 6.0 | 7.5 |
| February | 29.629 | 30.070 | 29.100 | 44.6 | 55.9 | 62.8 | 42.2 | 52.5 | 77 | 20 | 38 | 40 | 78 | 57 | .253 | .263 | .13 | .12 | 4.4 | 3.2 | 4.6 |
| March | 29.458 | 29.960 | 28.980 | 53.1 | 69.1 | 74.9 | 51.4 | 63.2 | 90 | 31 | 46 | 44 | 77 | 42 | .336 | .306 | .47 | .47 | 3.4 | 2.4 | 3.0 |
| April | 29.454 | 29.879 | 28.993 | 56.7 | 68.1 | 73.3 | 55.0 | 64.2 | 86 | 35 | 52 | 55 | 86 | 65 | .412 | .445 | 3.80 | 1.47 | 5.4 | 4.3 | 4.9 |
| May | 29.372 | 29.580 | 29.111 | 65.5 | 77.2 | 81.6 | 64.3 | 73.0 | 93 | 54 | 63 | 63 | 91 | 64 | .580 | .589 | 8.00 | 2.85 | 6.5 | 2.9 | 3.9 |
| June | 29.362 | 29.540 | 29.000 | 71.9 | 82.9 | 88.1 | 69.6 | 78.8 | 92 | 59 | 68 | 68 | 88 | 63 | .691 | .699 | 1.87 | 1.05 | 6.1 | 2.1 | 4.4 |
| July | 29.395 | 29.620 | 29.226 | 75.3 | 85.1 | 92.5 | 72.7 | 82.6 | 97 | 67 | 71 | 71 | 87 | 67 | .756 | .770 | 2.01 | .82 | 3.4 | 6.2 | 5.8 |
| August | 29.456 | 29.700 | 29.290 | 73.5 | 84.2 | 92.0 | 72.4 | 82.2 | 97 | 67 | 71 | 70 | 91 | 63 | .755 | .726 | 1.86 | .61 | 2.8 | 5.5 | 5.5 |
| September | 29.472 | 29.790 | 29.220 | 67.7 | 79.8 | 87.3 | 66.8 | 77.0 | 95 | 46 | 63 | 63 | 86 | 58 | .613 | .596 | 3.02 | 1.44 | 2.0 | 2.3 | 3.6 |
| October | 29.510 | 29.760 | 29.110 | 58.8 | 73.1 | 80.5 | 57.9 | 69.2 | 90 | 34 | 52 | 54 | 80 | 53 | .426 | .438 | .51 | .46 | 2.2 | 1.7 | 2.7 |
| November | 29.619 | 30.000 | 29.300 | 48.6 | 60.5 | 68.2 | 46.5 | 57.4 | 84 | 27 | 43 | 41 | 81 | 51 | .302 | .274 | 2.99 | 2.15 | 3.3 | 2.0 | 2.7 |
| December | 29.484 | 29.840 | 29.000 | 45.0 | 53.3 | 61.4 | 41.5 | 51.4 | 80 | 14 | 40 | 38 | 82 | 58 | .283 | .264 | .74 | .39 | 4.7 | 3.0 | 4.6 |
| Year | 29.483 | 30.070 | 28.980 | 59.2 | 70.2 | 77.0 | 57.0 | 67.0 | 97 | 13 | 54 | 54 | 85 | 60 | .478 | .476 | 29.60 | 2.85 | 4.4 | 3.5 | 4.4 |

PARKERSBURG, W. VA.

[$\phi$=39° 16′ N.; $\lambda$=81° 36′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.573 | 29.970 | 29.060 | 34.3 | 41.2 | 49.1 | 28.4 | 38.8 | 74 | − 1 | 30 | 34 | 83 | 74 | 0.185 | 0.218 | 5.34 | 1.13 | 7.0 | 6.2 | 7.2 |
| February | 29.462 | 30.040 | 28.850 | 25.8 | 32.4 | 38.2 | 21.9 | 30.0 | 64 | 0 | 22 | 26 | 84 | 77 | .125 | .144 | 2.75 | 1.39 | 7.1 | 6.7 | 7.1 |
| March | 29.309 | 29.740 | 28.420 | 33.3 | 41.6 | 49.4 | 29.5 | 39.4 | 82 | 13 | 27 | 31 | 77 | 66 | .160 | .186 | 4.48 | 1.17 | 6.2 | 4.6 | 5.8 |
| April | 29.328 | 29.620 | 28.960 | 47.5 | 55.0 | 61.3 | 43.7 | 52.5 | 86 | 32 | 39 | 41 | 74 | 61 | .245 | .263 | 2.84 | 1.28 | 6.7 | 6.6 | 6.6 |
| May | 29.314 | 29.650 | 29.010 | 60.5 | 67.6 | 76.3 | 55.5 | 65.9 | 91 | 38 | 51 | 54 | 72 | 64 | .396 | .428 | 4.65 | 1.48 | 4.8 | 5.5 | 5.2 |
| June | 29.281 | 29.647 | 28.900 | 62.3 | 70.8 | 77.5 | 57.6 | 67.6 | 86 | 48 | 56 | 58 | 82 | 66 | .461 | .496 | 3.30 | 1.15 | 5.1 | 4.3 | 5.4 |
| July | 29.362 | 29.608 | 29.085 | 71.9 | 80.0 | 87.8 | 67.6 | 77.7 | 95 | 57 | 65 | 69 | 80 | 70 | .628 | .706 | 4.92 | 1.72 | 4.3 | 4.7 | 4.5 |
| August | 29.332 | 29.600 | 29.200 | 68.3 | 75.9 | 85.2 | 65.2 | 75.2 | 94 | 53 | 64 | 67 | 86 | 75 | .606 | .679 | 2.41 | .87 | 4.5 | 3.8 | 5.3 |
| September | 29.445 | 29.687 | 29.200 | 57.3 | 66.6 | 75.7 | 52.7 | 64.2 | 90 | 35 | 52 | 55 | 83 | 68 | .412 | .459 | 3.18 | 1.05 | 3.9 | 2.0 | 4.1 |
| October | 29.495 | 29.770 | 28.850 | 45.6 | 56.9 | 68.8 | 41.8 | 55.3 | 88 | 31 | 41 | 47 | 83 | 71 | .268 | .342 | 2.53 | 1.31 | 3.7 | 2.5 | 4.6 |
| November | 29.511 | 29.860 | 28.730 | 38.8 | 46.3 | 55.8 | 35.2 | 45.5 | 74 | 22 | 32 | 36 | 78 | 67 | .189 | .222 | 1.84 | .76 | 4.6 | 2.7 | 5.1 |
| December | 29.403 | 29.880 | 28.750 | 28.5 | 35.3 | 43.6 | 24.9 | 34.2 | 69 | 3 | 23 | 27 | 78 | 72 | .131 | .161 | 3.43 | 1.31 | 6.2 | 4.6 | 5.9 |
| Year | 29.406 | 30.040 | 28.420 | 47.8 | 55.8 | 64.1 | 43.7 | 53.9 | 95 | − 1 | 42 | 45 | 80 | 69 | .317 | .359 | 41.72 | 1.72 | 5.3 | 4.5 | 5.6 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

OMAHA, NEBR.

[$H_b$=1.105 ft.; $h_t$=115 ft.; $h_r$=107 ft.; $h_a$=122 ft.]

| Month. | Wind. | | | | | | | | | | | | | | Number of days. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | By self-register. | | | | | Number of winds, 8 a. m. and 8 p. m. | | | | | | | | | | | | Precipitation. | | Snow. | | | | Maximum temp. | | | Electricity. | |
| | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.0 | NW. | 38 | NW. | 0 | 7 | 2 | 0 | 4 | 17 | 7 | 2 | 22 | 1 | 10 | 9 | 12 | 9 | 8 | 10 | 7 | 0 | 1 | 19 | 0 | 29 | 0 | 0 |
| February | 9.0 | NW. | 36 | NW. | 0 | 10 | 2 | 4 | 5 | 7 | 6 | 0 | 24 | 0 | 14 | 8 | 7 | 6 | 3 | 9 | 6 | 0 | 1 | 15 | 0 | 25 | 0 | 0 |
| March | 10.8 | NW. | 38 | NW. | 0 | 13 | 2 | 6 | 11 | 9 | 4 | 1 | 16 | 0 | 12 | 11 | 8 | 7 | 3 | 5 | 3 | 0 | 0 | 3 | 0 | 20 | 1 | 0 |
| April | 9.5 | NW. | 38 | NW. | 0 | 15 | 4 | 2 | 0 | 6 | 13 | 0 | 18 | 2 | 6 | 12 | 12 | 11 | 6 | 3 | 3 | 1 | 1 | 0 | 0 | 6 | 2 | 0 |
| May | 8.4 | NW. | 39 | NW. | 0 | 5 | 3 | 8 | 5 | 13 | 8 | 3 | 15 | 2 | 13 | 9 | 9 | 11 | 11 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 8 | 0 |
| June | 8.0 | NW. | 33 | NW. | 0 | 7 | 4 | 3 | 11 | 8 | 5 | 2 | 20 | 0 | 10 | 14 | 6 | 10 | 7 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 4 | 0 |
| July | 5.9 | S. | 25 | NE. | 0 | 10 | 4 | 3 | 11 | 31 | 2 | 0 | 1 | 0 | 26 | 5 | 0 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 4 | 0 |
| August | 6.8 | S. | 26 | N. | 0 | 10 | 5 | 2 | 10 | 23 | 5 | 0 | 7 | 0 | 13 | 12 | 6 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 8 | 1 |
| September | 8.0 | S. | 29 | NW. | 0 | 11 | 2 | 1 | 4 | 26 | 1 | 1 | 13 | 1 | 15 | 11 | 4 | 6 | 5 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | 0 |
| October | 9.3 | S. | 34 | NW. | 0 | 16 | 2 | 2 | 3 | 22 | 4 | 3 | 10 | 0 | 16 | 6 | 9 | 6 | 3 | 1 | 1 | 0 | 1 | 0 | 0 | 3 | 2 | 0 |
| November | 9.3 | NW. | 37 | NW. | 0 | 11 | 2 | 1 | 2 | 13 | 6 | 2 | 22 | 1 | 17 | 5 | 8 | 5 | 5 | 3 | 3 | 0 | 1 | 4 | 0 | 14 | 1 | 0 |
| December | 8.9 | NW. | 32 | NW. | 0 | 6 | 2 | 2 | 5 | 12 | 8 | 2 | 25 | 0 | 16 | 6 | 9 | 7 | 3 | 7 | 6 | 0 | 0 | 18 | 0 | 25 | 1 | 0 |
| Year | 8.7 | NW. | 39 | NW. | 0 | 121 | 34 | 34 | 71 | 187 | 69 | 16 | 193 | 7 | 168 | 108 | 90 | 91 | 63 | 38 | 29 | 2 | 9 | 59 | 44 | 122 | 34 | 1 |

OSWEGO, N. Y.

[$H_b$=335 ft.; $h_t$=76 ft.; $h_r$=68 ft.; $h_a$=91 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.8 | S. | 39 | NW. | 0 | 2 | 3 | 1 | 6 | 22 | 10 | 9 | 9 | 0 | 1 | 5 | 25 | 18 | 10 | 17 | 10 | 0 | 1 | 10 | 0 | 23 | 1 | 0 |
| February | 13.9 | NW. | 48 | SW. | 1 | 2 | 8 | 4 | 9 | 7 | 10 | 5 | 13 | 0 | 0 | 7 | 22 | 20 | 10 | 27 | 20 | 0 | 0 | 19 | 0 | 28 | 0 | 0 |
| March | 11.8 | NW. | 39 | W. | 0 | 4 | 7 | 4 | 9 | 11 | 7 | 4 | 16 | 0 | 5 | 10 | 16 | 17 | 10 | 20 | 15 | 0 | 1 | 21 | 0 | 27 | 0 | 3 |
| April | 10.0 | W. | 33 | N. | 0 | 7 | 4 | 4 | 11 | 9 | 4 | 12 | 9 | 0 | 4 | 10 | 16 | 19 | 12 | 5 | 3 | 0 | 3 | 0 | 0 | 5 | 0 | 1 |
| May | 10.1 | W. | 31 | SW. | 0 | 3 | 1 | 3 | 5 | 14 | 4 | 28 | 4 | 0 | 11 | 7 | 13 | 18 | 14 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 |
| June | 8.7 | W. | 34 | SE. | 0 | 2 | 2 | 4 | 14 | 8 | 3 | 23 | 4 | 0 | 7 | 10 | 13 | 15 | 13 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 5 | 0 |
| July | 7.8 | S. | 33 | N. | 0 | 7 | 10 | 1 | 5 | 20 | 11 | 6 | 2 | 0 | 15 | 10 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| August | 7.9 | S. | 33 | NE. | 0 | 5 | 4 | 1 | 5 | 29 | 3 | 6 | 9 | 0 | 16 | 10 | 5 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 2 |
| September | 9.8 | S. | 26 | SW. | 0 | 3 | 1 | 1 | 4 | 28 | 8 | 5 | 10 | 0 | 8 | 13 | 9 | 15 | 9 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 2 |
| October | 11.1 | S. | 43 | W. | 2 | 2 | 2 | 3 | 14 | 17 | 10 | 6 | 8 | 0 | 9 | 9 | 13 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| November | 12.4 | S. | 46 | W. | 1 | 4 | 6 | 1 | 5 | 24 | 8 | 4 | 8 | 0 | 2 | 7 | 21 | 14 | 8 | 10 | 6 | 1 | 0 | 5 | 0 | 16 | 0 | 0 |
| December | 13.2 | S. | 44 | NW. | 2 | 1 | 4 | 2 | 11 | 18 | 8 | 3 | 15 | 0 | 1 | 5 | 25 | 16 | 9 | 24 | 11 | 0 | 0 | 14 | 0 | 26 | 2 | 0 |
| Year | 11.0 | S. | 48 | SW. | 6 | 42 | 52 | 29 | 98 | 207 | 86 | 111 | 107 | 0 | 79 | 103 | 184 | 171 | 113 | 103 | 65 | 2 | 10 | 69 | 3 | 126 | 24 | 10 |

PALESTINE, TEX.

[$H_b$=510 ft.; $h_t$=64 ft.; $h_r$=57 ft.; $h_a$=72 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.0 | S. | 32 | S. | 0 | 13 | 9 | 5 | 8 | 18 | 2 | 1 | 6 | 0 | 4 | 5 | 22 | 13 | 12 | 3 | 0 | 0 | 1 | 1 | 0 | 8 | 5 | 0 |
| February | 8.4 | N. | 26 | NW. | 0 | 15 | 8 | 5 | 4 | 12 | 6 | 3 | 5 | 0 | 13 | 7 | 9 | 2 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 0 | 0 |
| March | 11.1 | S. | 31 | SE. | 0 | 11 | 3 | 3 | 8 | 18 | 11 | 3 | 5 | 0 | 21 | 7 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| April | 9.3 | S. | 25 | SW. | 0 | 8 | 5 | 4 | 7 | 20 | 3 | 1 | 12 | 0 | 12 | 5 | 13 | 8 | 6 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 4 | 0 |
| May | 8.3 | S. | 28 | S. | 0 | 4 | 4 | 5 | 7 | 30 | 9 | 0 | 3 | 0 | 20 | 3 | 8 | 8 | 7 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 7 | 0 |
| June | 7.7 | S. | 30 | SW. | 0 | 3 | 6 | 4 | 10 | 25 | 10 | 1 | 1 | 0 | 15 | 10 | 5 | 6 | 5 | 0 | 0 | 1 | 0 | 0 | 14 | 0 | 8 | 0 |
| July | 5.0 | SW. | 36 | NE. | 0 | 5 | 10 | 6 | 8 | 13 | 15 | 3 | 1 | 1 | 8 | 12 | 11 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 13 | 0 |
| August | 5.9 | SE. | 25 | S. | 0 | 2 | 5 | 4 | 19 | 17 | 12 | 3 | 0 | 0 | 10 | 14 | 7 | 8 | 7 | 0 | 0 | 0 | 1 | 0 | 25 | 0 | 9 | 0 |
| September | 6.1 | S. | 26 | SE. | 0 | 6 | 12 | 5 | 9 | 19 | 7 | 1 | 1 | 0 | 18 | 10 | 2 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 7 | 0 |
| October | 6.6 | S. | 24 | NW. | 0 | 5 | 10 | 4 | 15 | 19 | 1 | 3 | 5 | 0 | 21 | 5 | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| November | 7.5 | S. | 25 | S. | 0 | 7 | 4 | 1 | 12 | 14 | 8 | 4 | 10 | 0 | 21 | 1 | 8 | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| December | 8.8 | SW. | 30 | S. | 0 | 6 | 9 | 4 | 5 | 14 | 15 | 3 | 6 | 0 | 15 | 6 | 10 | 4 | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 8 | 1 | 0 |
| Year | 7.8 | S. | 30 | NE. | 0 | 85 | 85 | 50 | 112 | 219 | 99 | 26 | 55 | 1 | 178 | 85 | 103 | 72 | 61 | 4 | 0 | 3 | 11 | 2 | 85 | 24 | 57 | 0 |

PARKERSBURG, W. VA.

[$H_b$=638 ft.; $h_t$=77 ft.; $h_r$=70 ft.; $h_a$=84 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.6 | SE. | 32 | W. | 0 | 3 | 6 | 1 | 21 | 6 | 13 | 5 | 7 | 0 | 8 | 5 | 18 | 17 | 15 | 6 | 5 | 0 | 0 | 5 | 0 | 16 | 0 | 0 |
| February | 7.3 | NW. | 34 | NW. | 0 | 6 | 4 | 3 | 8 | 4 | 8 | 6 | 19 | 0 | 4 | 9 | 16 | 14 | 10 | 10 | 6 | 0 | 0 | 11 | 0 | 25 | 0 | 0 |
| March | 6.9 | NW. | 35 | NW. | 1 | 7 | 7 | 2 | 11 | 3 | 10 | 5 | 17 | 0 | 12 | 5 | 14 | 17 | 12 | 9 | 6 | 0 | 0 | 4 | 0 | 18 | 2 | 0 |
| April | 6.3 | NW. | 36 | NW. | 0 | 6 | 3 | 5 | 10 | 3 | 12 | 8 | 13 | 0 | 7 | 8 | 15 | 15 | 12 | 3 | 3 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| May | 5.8 | NW. | 32 | NW. | 0 | 10 | 4 | 1 | 9 | 8 | 11 | 7 | 12 | 0 | 12 | 10 | 9 | 15 | 12 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 11 | 0 |
| June | 4.7 | N. | 24 | SW. | 0 | 10 | 4 | 4 | 15 | 6 | 9 | 3 | 3 | 0 | 10 | 10 | 10 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 3.9 | SE. | 36 | NE. | 0 | 11 | 6 | 8 | 19 | 3 | 4 | 6 | 4 | 1 | 12 | 12 | 7 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 7 | 0 |
| August | 3.8 | SE. | 28 | NW. | 0 | 2 | 9 | 4 | 26 | 6 | 8 | 3 | 3 | 1 | 10 | 14 | 7 | 8 | 8 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 8 | 1 |
| September | 5.0 | SE. | 19 | NW. | 0 | 3 | 3 | 2 | 23 | 9 | 5 | 4 | 9 | 2 | 17 | 8 | 5 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 |
| October | 4.4 | SE. | 28 | NW. | 0 | 5 | 8 | 8 | 17 | 6 | 8 | 3 | 5 | 2 | 17 | 5 | 9 | 8 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 2 | 0 |
| November | 6.1 | SE. | 32 | NW. | 0 | 3 | 9 | 1 | 18 | 8 | 9 | 3 | 9 | 0 | 11 | 6 | 13 | 5 | 5 | 5 | 1 | 0 | 1 | 1 | 1 | 0 | 12 | 0 |
| December | 6.2 | SE. | 34 | NW. | 0 | 3 | 5 | 4 | 15 | 6 | 13 | 2 | 14 | 0 | 9 | 8 | 14 | 15 | 12 | 8 | 8 | 0 | 0 | 5 | 0 | 25 | 0 | 0 |
| Year | 5.6 | SE. | 45 | NW. | 1 | 75 | 68 | 43 | 192 | 68 | 110 | 55 | 115 | 6 | 129 | 100 | 137 | 151 | 121 | 41 | 29 | 1 | 3 | 26 | 25 | 101 | 45 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PENSACOLA, FLA.

[$\phi$=30° 25′ N.; $\lambda$=87° 13′ 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 | 30.157 | 30.420 | 29.900 | 55.1 | 59.9 | 64.5 | 52.0 | 58.2 | 79 | 27 | 51 | 53 | 88 | 80 | 0.424 | 0.449 | 1.72 | 0.66 | 6.7 | 5.1 | 6.5 |
| February | 30.092 | 30.520 | 29.670 | 49.2 | 55.1 | 62.5 | 45.3 | 53.9 | 74 | 23 | 41 | 43 | 74 | 67 | .290 | .312 | 2.17 | .66 | 5.0 | 3.6 | 4.2 |
| March | 30.006 | 30.410 | 29.640 | 54.9 | 61.0 | 67.1 | 52.0 | 59.6 | 75 | 32 | 47 | 50 | 76 | 71 | .353 | .409 | .53 | .22 | 4.3 | 2.9 | 4.0 |
| April | 29.969 | 30.310 | 29.610 | 61.7 | 66.9 | 72.3 | 58.6 | 65.4 | 83 | 41 | 53 | 53 | 75 | 63 | .426 | .424 | 4.34 | 2.12 | 4.5 | 4.6 | 4.6 |
| May | 29.903 | 30.120 | 29.690 | 72.3 | 75.7 | 81.8 | 68.8 | 75.3 | 92 | 59 | 65 | 65 | 78 | 72 | .630 | .633 | 5.42 | 4.40 | 3.2 | 3.8 | 3.7 |
| June | 29.895 | 30.100 | 29.630 | 77.5 | 78.4 | 85.0 | 73.2 | 79.1 | 92 | 65 | 70 | 70 | 78 | 77 | .738 | .746 | 4.70 | 2.73 | 5.1 | 6.4 | 5.9 |
| July | 29.879 | 30.080 | 29.250 | 77.3 | 78.9 | 84.2 | 73.9 | 79.0 | 91 | 70 | 74 | 74 | 88 | 84 | .825 | .826 | 17.90 | 4.21 | 6.9 | 8.1 | 7.6 |
| August | 29.966 | 30.180 | 29.770 | 78.0 | 81.2 | 87.4 | 74.6 | 81.0 | 92 | 69 | 72 | 73 | 83 | 76 | .794 | .804 | 6.53 | 3.16 | 4.8 | 4.9 | 5.6 |
| September | 29.951 | 30.084 | 29.780 | 72.3 | 78.0 | 83.9 | 69.7 | 76.8 | 90 | 51 | 66 | 67 | 82 | 70 | .661 | .677 | 2.58 | .87 | 3.4 | 3.4 | 4.1 |
| October | 29.975 | 30.230 | 28.700 | 63.5 | 71.9 | 77.7 | 61.6 | 69.6 | 85 | 42 | 56 | 57 | 78 | 62 | .486 | .511 | 1.32 | 1.24 | 3.2 | 2.4 | 3.3 |
| November | 30.100 | 30.418 | 29.750 | 55.5 | 62.5 | 68.3 | 52.5 | 60.4 | 78 | 29 | 47 | 49 | 75 | 65 | .371 | .403 | 3.01 | 1.32 | 3.8 | 1.9 | 3.6 |
| December | 30.016 | 30.290 | 29.644 | 52.1 | 56.8 | 62.5 | 47.8 | 55.2 | 72 | 29 | 47 | 49 | 83 | 78 | .364 | .393 | 9.48 | 3.05 | 4.6 | 5.5 | 5.8 |
| Year | 29.992 | 30.520 | 28.700 | 64.1 | 68.9 | 74.8 | 60.8 | 67.8 | 92 | 23 | 57 | 59 | 80 | 72 | .530 | .549 | 59.70 | 4.40 | 4.6 | 4.4 | 4.9 |

PEORIA, ILL.

[$\phi$=40° 43′ N.; $\lambda$=89° 36′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.483 | 30.010 | 28.880 | 25.2 | 28.1 | 36.3 | 18.1 | 27.2 | 60 | −17 | 23 | 24 | 90 | 84 | 0.149 | 0.152 | 5.95 | 1.56 | 6.5 | 6.1 | 6.4 |
| February | 29.513 | 30.015 | 29.060 | 19.4 | 26.7 | 32.4 | 16.5 | 24.4 | 60 | − 5 | 17 | 23 | 90 | 84 | .099 | .128 | .29 | .16 | 5.2 | 4.9 | 5.7 |
| March | 29.306 | 29.740 | 28.470 | 31.2 | 39.4 | 46.7 | 28.2 | 37.4 | 75 | 9 | 28 | 32 | 88 | 74 | .164 | .193 | 2.33 | 1.22 | 6.4 | 5.4 | 5.5 |
| April | 29.316 | 29.650 | 28.860 | 44.5 | 52.2 | 59.4 | 40.3 | 49.8 | 82 | 24 | 38 | 39 | 75 | 62 | .241 | .248 | 1.60 | .43 | 6.2 | 6.1 | 5.6 |
| May | 29.246 | 29.620 | 28.890 | 56.7 | 65.7 | 71.4 | 51.4 | 61.4 | 88 | 35 | 51 | 52 | 81 | 64 | .382 | .415 | 7.51 | 2.01 | 5.5 | 5.7 | 5.9 |
| June | 29.215 | 29.600 | 28.808 | 61.3 | 69.8 | 75.4 | 56.1 | 65.8 | 92 | 49 | 56 | 58 | 84 | 67 | .459 | .487 | 2.55 | 1.03 | 4.6 | 4.3 | 4.9 |
| July | 29.342 | 29.539 | 29.129 | 73.4 | 85.8 | 93.8 | 68.1 | 81.0 | 103 | 59 | 66 | 66 | 78 | 53 | .655 | .654 | 1.14 | .60 | 1.9 | 1.6 | 1.8 |
| August | 29.364 | 29.610 | 29.153 | 68.6 | 78.2 | 87.2 | 64.7 | 76.0 | 98 | 46 | 64 | 65 | 86 | 66 | .618 | .644 | 6.03 | 3.73 | 4.1 | 3.7 | 3.0 |
| September | 29.382 | 29.720 | 28.940 | 56.0 | 65.3 | 75.3 | 51.8 | 63.6 | 94 | 34 | 52 | 54 | 86 | 68 | .412 | .447 | 3.73 | 1.35 | 3.1 | 2.9 | 3.6 |
| October | 29.411 | 29.860 | 28.738 | 45.5 | 55.4 | 65.6 | 42.7 | 54.2 | 87 | 29 | 42 | 45 | 87 | 69 | .272 | .315 | 2.93 | 1.41 | 4.5 | 3.2 | 4.5 |
| November | 29.422 | 29.800 | 28.690 | 36.2 | 43.4 | 52.3 | 32.6 | 42.4 | 76 | 11 | 32 | 34 | 85 | 70 | .191 | .203 | 1.88 | 1.05 | 5.3 | 3.7 | 4.4 |
| December | 29.338 | 29.970 | 28.860 | 20.1 | 26.8 | 34.3 | 16.2 | 25.2 | 67 | −11 | 18 | 20 | 90 | 76 | .113 | .122 | 1.75 | .75 | 4.5 | 5.7 | 5.2 |
| Year | 29.362 | 30.015 | 28.470 | 44.8 | 53.1 | 60.8 | 40.6 | 50.7 | 103 | −17 | 41 | 43 | 85 | 70 | .313 | .334 | 37.69 | 3.73 | 4.8 | 4.4 | 4.7 |

PHILADELPHIA, PA.

[$\phi$=39° 57′ N.; $\lambda$=75° 9′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.128 | 30.540 | 29.510 | 35.1 | 40.0 | 45.5 | 31.0 | 38.2 | 69 | 9 | 27 | 29 | 73 | 64 | 0.170 | 0.183 | 1.50 | 0.36 | 6.5 | 5.9 | 6.6 |
| February | 29.913 | 30.480 | 28.970 | 28.8 | 33.0 | 38.4 | 24.2 | 31.3 | 61 | 5 | 21 | 22 | 79 | 63 | .124 | .125 | 3.55 | 1.07 | 5.9 | 6.6 | 6.3 |
| March | 29.820 | 30.270 | 29.000 | 31.6 | 37.1 | 42.4 | 28.5 | 35.4 | 66 | 10 | 22 | 26 | 65 | 65 | .125 | .145 | 3.75 | 1.42 | 5.0 | 5.0 | 5.8 |
| April | 29.824 | 30.200 | 29.250 | 47.5 | 51.9 | 59.5 | 43.3 | 51.4 | 78 | 32 | 37 | 38 | 68 | 62 | .225 | .235 | 2.97 | .95 | 5.9 | 5.8 | 6.4 |
| May | 29.811 | 30.230 | 29.320 | 60.6 | 66.9 | 73.0 | 56.4 | 64.7 | 86 | 45 | 49 | 50 | 67 | 58 | .359 | .384 | 2.75 | 1.01 | 5.7 | 5.7 | 5.8 |
| June | 29.825 | 30.060 | 29.500 | 64.7 | 69.1 | 75.6 | 60.2 | 67.9 | 84 | 54 | 56 | 56 | 74 | 67 | .455 | .467 | 2.83 | 1.70 | 6.0 | 6.2 | 6.0 |
| July | 29.896 | 30.215 | 29.470 | 73.5 | 77.6 | 84.0 | 69.6 | 76.8 | 95 | 62 | 67 | 67 | 80 | 72 | .664 | .678 | 3.40 | 1.08 | 6.7 | 6.5 | 6.8 |
| August | 29.886 | 30.165 | 29.550 | 72.7 | 76.8 | 84.6 | 68.3 | 76.4 | 97 | 59 | 64 | 63 | 76 | 64 | .614 | .600 | .94 | .39 | 4.7 | 3.4 | 3.9 |
| September | 29.961 | 30.350 | 29.640 | 63.6 | 68.4 | 77.3 | 59.7 | 68.5 | 92 | 45 | 55 | 55 | 75 | 64 | .465 | .456 | 2.44 | 1.44 | 3.8 | 2.5 | 3.5 |
| October | 30.036 | 30.380 | 29.490 | 53.3 | 60.4 | 67.5 | 49.7 | 58.6 | 86 | 40 | 44 | 46 | 72 | 61 | .309 | .336 | 1.21 | 1.00 | 3.6 | 2.9 | 4.0 |
| November | 30.029 | 30.430 | 29.170 | 43.5 | 47.9 | 54.1 | 39.5 | 46.8 | 72 | 28 | 35 | 35 | 71 | 62 | .214 | .218 | 1.48 | .62 | 4.2 | 3.6 | 4.8 |
| December | 29.894 | 30.440 | 29.030 | 33.6 | 35.8 | 41.4 | 30.0 | 35.7 | 64 | 16 | 24 | 25 | 69 | 64 | .138 | .141 | 5.45 | 1.76 | 5.0 | 3.5 | 5.5 |
| Year | 29.919 | 30.540 | 28.970 | 50.7 | 55.4 | 61.9 | 46.7 | 54.3 | 97 | 5 | 42 | 43 | 72 | 64 | .322 | .331 | 32.27 | 1.76 | 5.2 | 4.8 | 5.4 |

PHOENIX, ARIZ.

[$\phi$=33° 28′ N.; $\lambda$=112° 00′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.832 | 29.250 | 28.450 | 44.9 | 55.8 | 59.7 | 41.8 | 50.8 | 69 | 31 | 39 | 39 | 81 | 57 | .246 | 0.254 | 2.34 | 1.10 | 5.8 | 4.7 | 5.3 |
| February | 28.876 | 29.340 | 28.634 | 49.3 | 69.4 | 72.7 | 46.4 | 59.6 | 82 | 29 | 38 | 39 | 67 | 35 | .238 | .242 | .13 | .11 | 1.6 | 4.2 | 3.8 |
| March | 28.791 | 29.080 | 28.450 | 53.7 | 75.5 | 77.8 | 50.2 | 64.0 | 91 | 38 | 40 | 38 | 62 | 28 | .260 | .236 | .37 | .29 | 2.4 | 2.8 | 3.0 |
| April | 28.716 | 28.960 | 28.395 | 55.8 | 80.6 | 82.7 | 53.8 | 68.2 | 95 | 44 | 38 | 34 | 53 | 22 | .228 | .199 | .15 | .15 | 1.9 | 2.9 | 2.4 |
| May | 28.634 | 28.820 | 28.410 | 59.9 | 87.9 | 89.3 | 58.6 | 74.0 | 100 | 48 | 34 | 35 | 39 | 17 | .199 | .215 | T. | T. | .5 | 1.3 | 1.0 |
| June | 28.604 | 28.800 | 28.368 | 68.1 | 99.6 | 101.1 | 66.7 | 83.9 | 111 | 57 | 36 | 38 | 32 | 13 | .217 | .236 | 0 | 0 | 0 | .4 | .3 |
| July | 28.626 | 28.780 | 28.411 | 77.0 | 99.0 | 102.7 | 75.4 | 89.0 | 110 | 64 | 60 | 58 | 58 | 28 | .537 | .492 | .77 | .34 | 3.8 | 3.5 | 3.0 |
| August | 28.662 | 28.900 | 28.420 | 74.8 | 97.5 | 100.5 | 73.4 | 87.0 | 106 | 62 | 61 | 60 | 64 | 30 | .558 | .523 | .30 | .13 | 2.6 | 2.2 | 1.8 |
| September | 28.686 | 28.872 | 28.400 | 69.3 | 90.7 | 94.9 | 66.9 | 80.9 | 104 | 55 | 57 | 59 | 67 | 37 | .477 | .507 | 1.66 | 1.11 | 1.6 | 1.5 | 2.0 |
| October | 28.757 | 29.020 | 28.540 | 53.5 | 72.8 | 81.4 | 50.9 | 66.2 | 89 | 41 | 45 | 50 | 74 | 46 | .309 | .369 | .65 | .60 | 1.3 | 1.6 | 2.0 |
| November | 28.875 | 29.137 | 28.580 | 40.1 | 62.2 | 74.3 | 37.3 | 55.8 | 88 | 28 | 26 | 35 | 65 | 38 | .164 | .218 | 0 | 0 | 0 | 1.1 | 1.0 |
| December | 28.851 | 29.300 | 28.300 | 35.6 | 53.8 | 61.6 | 32.6 | 47.1 | 78 | 24 | 25 | 33 | 66 | 46 | .142 | .196 | .39 | .30 | 1.2 | 2.0 | 2.3 |
| Year | 28.742 | 29.340 | 28.300 | 56.8 | 78.7 | 83.2 | 54.5 | 68.9 | 111 | 24 | 42 | 43 | 61 | 33 | .298 | .307 | 6.76 | 1.11 | 1.9 | 2.4 | 2.3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PENSACOLA, FLA.

[$H_b$=56 ft.; $h_t$=149 ft.; $h_r$=131 ft.; $h_a$=185 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 14.8 | SE. | 38 | SE. | 0 | 13 | 9 | 10 | 18 | 8 | 1 | 2 | 1 | 0 | 7 | 10 | 14 | 9 | 7 | 0 | 0 | 0 | 6 | 0 | 0 | 4 | 1 | 0 |
| February | 13.1 | N. | 41 | NW. | 2 | 12 | 7 | 6 | 4 | 3 | 4 | 9 | 13 | 0 | 13 | 6 | 10 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 | 0 |
| March | 15.6 | SW. | 51 | S. | 3 | 9 | 5 | 3 | 5 | 8 | 16 | 7 | 9 | 0 | 16 | 11 | 4 | 6 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 |
| April | 12.6 | NW. | 52 | S. | 2 | 9 | 4 | 3 | 9 | 4 | 11 | 7 | 13 | 0 | 14 | 8 | 8 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| May | 12.4 | SE. | 43 | E. | 1 | 5 | 9 | 3 | 8 | 4 | 12 | 9 | 12 | 0 | 16 | 11 | 4 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 0 |
| June | 11.4 | SW. | 66 | S. | 1 | 8 | 6 | 1 | 1 | 6 | 17 | 14 | 7 | 0 | 8 | 12 | 10 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 15 | 0 |
| July | 15.3 | SW. | 104 | SE. | 6 | 1 | 11 | 3 | 3 | 12 | 14 | 14 | 4 | 0 | 2 | 11 | 18 | 21 | 21 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 16 | 0 |
| August | 10.1 | SW. | 52 | SW. | 4 | 5 | 19 | 2 | 4 | 7 | 15 | 6 | 4 | 0 | 7 | 15 | 9 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 10 | 0 |
| September | 11.6 | NE. | 44 | S. | 4 | 14 | 17 | 4 | 4 | 5 | 7 | 4 | 5 | 0 | 14 | 10 | 6 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| October | 14.2 | NE. | 114 | SE. | 1 | 20 | 20 | 6 | 4 | 0 | 4 | 2 | 6 | 0 | 19 | 6 | 6 | 7 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| November | 13.1 | N. | 44 | S. | 2 | 18 | 14 | 4 | 11 | 2 | 2 | 3 | 6 | 0 | 15 | 10 | 5 | 8 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 |
| December | 13.4 | E. | 45 | NW. | 4 | 12 | 10 | 16 | 6 | 5 | 3 | 6 | 4 | 0 | 11 | 4 | 16 | 16 | 12 | 0 | 0 | 0 | 6 | 0 | 0 | 2 | 7 | 0 |
| Year | 13.1 | NE. | 114 | SE. | 30 | 126 | 131 | 61 | 77 | 64 | 106 | 83 | 84 | 0 | 142 | 114 | 110 | 116 | 96 | 0 | 0 | 0 | 19 | 0 | 11 | 10 | 70 | 0 |

PEORIA, ILL.

[$H_b$=609 ft.; $h_t$=11 ft.; $h_r$=4 ft.; $h_a$=45 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.3 | S. | 30 | W. | 0 | 6 | 6 | 2 | 10 | 14 | 3 | 11 | 10 | 0 | 9 | 4 | 18 | 14 | 11 | 6 | 4 | 0 | 2 | 11 | 0 | 25 | 1 | 0 |
| February | 7.5 | NW. | 27 | W. | 0 | 10 | 4 | 2 | 7 | 7 | 3 | 11 | 13 | 1 | 10 | 8 | 11 | 7 | 3 | 11 | 6 | 0 | 1 | 14 | 0 | 28 | 0 | 0 |
| March | 9.5 | N. | 34 | NE. | 0 | 14 | 11 | 9 | 6 | 10 | 2 | 4 | 4 | 2 | 10 | 8 | 13 | 7 | 6 | 9 | 4 | 0 | 1 | 5 | 0 | 21 | 2 | 2 |
| April | 8.9 | S. | 37 | W. | 0 | 9 | 7 | 5 | 5 | 10 | 4 | 9 | 9 | 2 | 8 | 12 | 10 | 11 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 6 | 0 |
| May | 7.3 | S. | 30 | SW. | 0 | 6 | 3 | 7 | 7 | 16 | 2 | 12 | 7 | 2 | 6 | 16 | 9 | 13 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 12 | 0 |
| June | 6.6 | W. | 25 | NE. | 0 | 4 | 8 | 7 | 5 | 7 | 4 | 12 | 10 | 3 | 14 | 9 | 7 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 10 | 0 |
| July | 3.8 | NE. | 37 | SE. | 0 | 9 | 16 | 10 | 5 | 3 | 5 | 2 | 2 | 10 | 26 | 5 | 0 | 4 | 3 | 0 | 0 | 0 | 9 | 0 | 23 | 0 | 6 | 0 |
| August | 4.5 | S. | 22 | NE. | 0 | 9 | 3 | 5 | 8 | 16 | 7 | 3 | 4 | 7 | 18 | 10 | 3 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 13 | 0 | 8 | 1 |
| September | 6.0 | S. | 25 | NE. | 0 | 6 | 0 | 3 | 6 | 21 | 5 | 8 | 6 | 5 | 16 | 10 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 |
| October | 6.6 | S. | 26 | W. | 0 | 8 | 3 | 4 | 11 | 18 | 2 | 8 | 5 | 3 | 14 | 7 | 10 | 7 | 7 | 1 | 1 | 0 | 1 | 0 | 0 | 4 | 2 | 0 |
| November | 8.4 | S. | 29 | W. | 0 | 2 | 5 | 5 | 2 | 22 | 2 | 7 | 15 | 0 | 16 | 4 | 10 | 4 | 4 | 2 | 0 | 0 | 1 | 4 | 0 | 14 | 1 | 0 |
| December | 8.2 | W. | 32 | W. | 0 | 8 | 2 | 4 | 7 | 15 | 3 | 13 | 10 | 0 | 11 | 10 | 10 | 9 | 5 | 10 | 6 | 0 | 1 | 15 | 0 | 27 | 1 | 0 |
| Year | 7.2 | S. | 37 | W. | 0 | 91 | 68 | 63 | 79 | 159 | 42 | 100 | 95 | 35 | 158 | 103 | 105 | 101 | 81 | 39 | 21 | 1 | 9 | 49 | 39 | 124 | 54 | 3 |

PHILADELPHIA, PA.

[$H_b$=117 ft.; $h_t$=123 ft.; $h_r$=114 ft.; $h_a$=190 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.4 | SW. | 34 | NW. | 0 | 1 | 8 | 1 | 2 | 9 | 19 | 5 | 17 | 0 | 7 | 11 | 13 | 15 | 11 | 4 | 3 | 0 | 1 | 7 | 0 | 16 | 0 | 0 |
| February | 11.9 | NW. | 42 | NW. | 1 | 5 | 10 | 1 | 1 | 4 | 11 | 4 | 22 | 0 | 8 | 8 | 13 | 13 | 11 | 10 | 8 | 0 | 1 | 8 | 0 | 21 | 0 | 0 |
| March | 12.4 | NW. | 37 | NW. | 0 | 8 | 13 | 5 | 3 | 3 | 10 | 4 | 16 | 0 | 10 | 8 | 13 | 12 | 10 | 10 | 7 | 0 | 0 | 6 | 0 | 21 | 0 | 0 |
| April | 11.6 | NW. | 42 | NW. | 2 | 8 | 11 | 6 | 4 | 4 | 7 | 2 | 18 | 0 | 7 | 8 | 15 | 12 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 0 |
| May | 10.4 | NW. | 37 | N. | 0 | 8 | 5 | 4 | 5 | 4 | 12 | 8 | 16 | 0 | 8 | 12 | 11 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| June | 9.8 | NW. | 30 | E. | 0 | 8 | 4 | 12 | 9 | 4 | 8 | 2 | 13 | 0 | 8 | 11 | 11 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| July | 9.3 | SW. | 29 | NE. | 0 | 6 | 6 | 8 | 9 | 7 | 17 | 6 | 3 | 0 | 5 | 10 | 16 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 0 |
| August | 8.2 | SW. | 30 | N. | 0 | 6 | 7 | 4 | 8 | 10 | 17 | 2 | 8 | 0 | 12 | 16 | 3 | 7 | 5 | 0 | 0 | 0 | 2 | 0 | 6 | 0 | 7 | 0 |
| September | 9.6 | SW. | 36 | NW. | 0 | 6 | 4 | 2 | 4 | 13 | 13 | 7 | 10 | 1 | 16 | 10 | 4 | 7 | 4 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 3 | 0 |
| October | 9.5 | SW. | 35 | N. | 0 | 9 | 9 | 7 | 4 | 6 | 10 | 4 | 13 | 0 | 16 | 8 | 7 | 3 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 10.2 | SW. | 42 | SW. | 1 | 4 | 6 | 0 | 3 | 11 | 16 | 9 | 11 | 0 | 16 | 1 | 13 | 8 | 6 | 1 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 0 |
| December | 11.1 | NW. | 48 | NW. | 1 | 4 | 5 | 1 | 8 | 3 | 11 | 6 | 24 | 0 | 11 | 8 | 12 | 12 | 11 | 7 | 5 | 0 | 2 | 8 | 0 | 21 | 1 | 0 |
| Year | 10.4 | NW. | 48 | NW. | 5 | 73 | 88 | 51 | 60 | 78 | 151 | 59 | 171 | 1 | 124 | 111 | 131 | 120 | 92 | 34 | 25 | 0 | 16 | 29 | 11 | 87 | 27 | 0 |

PHOENIX, ARIZ.

[$H_b$=1,108 ft.; $h_t$=11 ft.; $h_r$=68 ft.; $h_a$=81 feet.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 5.1 | E. | 26 | S. | 0 | 3 | 3 | 19 | 9 | 5 | 5 | 11 | 6 | 1 | 10 | 11 | 10 | 11 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 1 | 0 |
| February | 4.6 | E. | 22 | SW. | 0 | 5 | 5 | 16 | 7 | 2 | 3 | 13 | 6 | 1 | 15 | 9 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| March | 5.3 | E. | 31 | W. | 0 | 3 | 6 | 16 | 5 | 2 | 7 | 15 | 8 | 0 | 19 | 6 | 6 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| April | 5.5 | E. | 23 | SE. | 0 | 6 | 6 | 17 | 8 | 2 | 5 | 10 | 6 | 0 | 20 | 9 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 0 |
| May | 5.8 | E. | 24 | SW. | 0 | 4 | 2 | 20 | 5 | 3 | 6 | 12 | 10 | 0 | 27 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 1 | 0 |
| June | 5.5 | E. | 22 | W. | 0 | 4 | 2 | 21 | 7 | 0 | 4 | 14 | 8 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 |
| July | 5.4 | E. | 38 | E. | 0 | 10 | 6 | 18 | 3 | 2 | 5 | 14 | 4 | 0 | 20 | 9 | 2 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 13 | 0 |
| August | 5.2 | E. | 27 | E. | 0 | 6 | 6 | 19 | 4 | 4 | 4 | 9 | 10 | 0 | 23 | 7 | 1 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 8 | 0 |
| September | 4.6 | E. | 27 | SE. | 0 | 9 | 4 | 12 | 10 | 4 | 2 | 11 | 7 | 1 | 25 | 1 | 4 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 2 | 0 |
| October | 4.4 | E. | 19 | E. | 0 | 8 | 3 | 17 | 6 | 1 | 4 | 13 | 9 | 1 | 24 | 5 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 4.7 | E. | 20 | E. | 0 | 6 | 1 | 17 | 6 | 2 | 3 | 13 | 11 | 1 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| December | 4.6 | E. | 34 | SW. | 0 | 2 | 5 | 17 | 9 | 1 | 6 | 11 | 11 | 0 | 22 | 5 | 4 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 16 | 0 | 0 |
| Year | 5.1 | E. | 38 | E. | 0 | 66 | 49 | 209 | 79 | 28 | 54 | 146 | 96 | 5 | 263 | 68 | 35 | 36 | 25 | 1 | 1 | 1 | 1 | 0 | 142 | 27 | 29 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PIERRE, S. DAK.

[$\phi$=44° 22′ N.; $\lambda$=100° 21′ 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 | 28.465 | 28.930 | 27.580 | −0.8 | 5.7 | 12.9 | −8.1 | 2.4 | 44 | −35 | −6 | 0 | 77 | 74 | 0.038 | 0.050 | 1.06 | 0.34 | 3.9 | 3.7 | 4.4 |
| February | 28.531 | 29.010 | 28.020 | 13.6 | 22.4 | 28.8 | 9.5 | 19.2 | 59 | −21 | 10 | 15 | 83 | 73 | .080 | .097 | .31 | .10 | 5.3 | 4.6 | 5.7 |
| March | 28.293 | 28.830 | 27.630 | 26.0 | 40.6 | 46.7 | 22.5 | 34.6 | 76 | −10 | 21 | 25 | 81 | 57 | .122 | .146 | .38 | .19 | 4.6 | 4.5 | 5.2 |
| April | 28.346 | 28.790 | 27.800 | 36.6 | 51.5 | 55.6 | 33.7 | 44.6 | 73 | 17 | 31 | 29 | 80 | 46 | .174 | .167 | 1.06 | .34 | 4.8 | 5.5 | 6.2 |
| May | 28.171 | 28.570 | 27.600 | 49.3 | 64.1 | 68.8 | 45.0 | 56.9 | 94 | 29 | 39 | 38 | 79 | 44 | .250 | .245 | 5.81 | 2.61 | 4.5 | 5.5 | 5.3 |
| June | 28.247 | 28.520 | 27.900 | 57.2 | 70.1 | 73.9 | 53.1 | 63.5 | 95 | 45 | 50 | 50 | 79 | 52 | .375 | .376 | 2.33 | .65 | 4.4 | 4.9 | 5.1 |
| July | 28.265 | 28.663 | 27.967 | 71.6 | 88.2 | 92.4 | 67.8 | 80.1 | 103 | 55 | 63 | 63 | 76 | 44 | .583 | .580 | 2.50 | 1.33 | 3.9 | 3.5 | 3.2 |
| August | 28.321 | 28.700 | 27.800 | 62.6 | 79.1 | 83.3 | 59.9 | 71.6 | 98 | 47 | 57 | 57 | 82 | 49 | .478 | .470 | 4.65 | 3.72 | 4.4 | 3.4 | 4.1 |
| September | 28.303 | 28.780 | 27.870 | 52.0 | 67.8 | 75.4 | 48.9 | 62.2 | 93 | 31 | 44 | 45 | 76 | 47 | .307 | .323 | 1.06 | .79 | 3.0 | 2.5 | 2.9 |
| October | 28.384 | 28.980 | 27.870 | 38.3 | 51.6 | 60.0 | 35.5 | 47.8 | 82 | 20 | 32 | 34 | 77 | 52 | .179 | .194 | .67 | .60 | 4.1 | 3.6 | 4.4 |
| November | 28.414 | 29.020 | 27.560 | 26.9 | 39.6 | 47.6 | 23.3 | 35.4 | 74 | − 3 | 21 | 24 | 79 | 55 | .119 | .135 | .08 | .04 | 3.6 | 3.7 | 4.8 |
| December | 28.292 | 28.850 | 27.700 | 6.2 | 15.9 | 23.8 | 1.2 | 12.5 | 66 | −24 | 0 | 8 | 74 | 70 | .055 | .070 | .61 | .32 | 5.1 | 5.1 | 5.3 |
| Year | 28.336 | 29.020 | 27.560 | 36.6 | 49.7 | 55.8 | 32.7 | 44.2 | 103 | −35 | 30 | 32 | 78 | 55 | .230 | .238 | 20.52 | 3.72 | 4.3 | 4.2 | 4.7 |

PITTSBURGH, PA.

[$\phi$=40° 32′ N.; $\lambda$=80° 2′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.278 | 29.690 | 28.700 | 35.0 | 38.9 | 46.5 | 28.5 | 37.5 | 69 | −3 | 28 | 30 | 76 | 71 | 0.178 | 0.191 | 3.51 | 0.75 | 7.7 | 6.9 | 7.9 |
| February | 29.156 | 29.750 | 28.480 | 23.8 | 28.6 | 34.9 | 18.7 | 26.8 | 59 | −1 | 18 | 21 | 78 | 72 | .109 | .116 | 2.61 | .77 | 8.3 | 6.9 | 7.9 |
| March | 29.030 | 29.462 | 28.170 | 29.2 | 36.5 | 43.0 | 25.2 | 34.1 | 77 | 6 | 24 | 24 | 79 | 61 | .138 | .147 | 3.63 | 1.13 | 7.7 | 6.5 | 7.1 |
| April | 29.048 | 29.320 | 28.694 | 45.6 | 51.0 | 57.6 | 40.9 | 49.2 | 82 | 28 | 36 | 37 | 71 | 62 | .221 | .233 | 2.54 | .50 | 7.5 | 6.8 | 8.2 |
| May | 29.041 | 29.400 | 28.630 | 58.7 | 65.7 | 72.3 | 54.2 | 63.2 | 85 | 42 | 47 | 48 | 66 | 55 | .338 | .356 | 2.33 | .53 | 6.2 | 6.3 | 6.8 |
| June | 29.027 | 29.358 | 28.690 | 61.8 | 68.2 | 74.0 | 56.6 | 65.3 | 83 | 48 | 54 | 55 | 76 | 64 | .420 | .441 | 3.82 | 1.12 | 7.3 | 5.4 | 7.1 |
| July | 29.117 | 29.380 | 28.800 | 71.9 | 79.6 | 85.3 | 67.9 | 76.6 | 92 | 58 | 63 | 62 | 75 | 58 | .586 | .575 | 3.88 | 1.69 | 4.3 | 5.5 | 5.7 |
| August | 29.129 | 29.350 | 28.890 | 68.0 | 76.2 | 83.5 | 64.8 | 74.2 | 96 | 54 | 61 | 60 | 78 | 60 | .546 | .539 | 4.73 | 1.86 | 4.7 | 5.3 | 5.3 |
| September | 29.173 | 29.460 | 28.890 | 59.7 | 66.1 | 73.5 | 55.0 | 64.2 | 87 | 38 | 51 | 50 | 74 | 57 | .392 | .380 | 1.63 | .58 | 4.4 | 2.0 | 4.4 |
| October | 29.234 | 29.520 | 28.530 | 47.2 | 57.0 | 66.4 | 43.3 | 54.8 | 86 | 33 | 42 | 43 | 83 | 61 | .279 | .287 | 2.31 | 1.61 | 3.5 | 3.4 | 4.4 |
| November | 29.221 | 29.570 | 28.370 | 39.5 | 45.4 | 52.7 | 36.3 | 44.5 | 71 | 18 | 32 | 32 | 76 | 62 | .193 | .196 | 1.86 | .48 | 4.8 | 3.8 | 5.0 |
| December | 29.106 | 29.600 | 28.430 | 28.9 | 34.0 | 41.0 | 24.8 | 32.9 | 70 | 1 | 23 | 24 | 80 | 66 | .137 | .135 | 2.01 | .68 | 7.4 | 6.4 | 6.9 |
| Year | 29.130 | 29.750 | 28.170 | 47.4 | 53.9 | 60.9 | 43.0 | 51.9 | 96 | −3 | 40 | 40 | 76 | 62 | .295 | .300 | 34.86 | 1.86 | 6.2 | 5.4 | 6.4 |

POCATELLO, IDAHO.

[$\phi$=42° 52′ N.; $\lambda$=112° 29′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 25.306 | 25.810 | 24.520 | 20.5 | 25.0 | 30.4 | 15.5 | 23.0 | 44 | − 8 | 16 | 19 | 81 | 77 | 0.093 | 0.104 | 2.44 | 0.56 | 8.1 | 7.7 | 7.9 |
| February | 25.559 | 25.950 | 25.117 | 28.3 | 36.3 | 41.1 | 24.1 | 32.6 | 54 | 6 | 24 | 27 | 82 | 68 | .127 | .145 | 1.60 | .62 | 5.4 | 6.0 | 5.8 |
| March | 25.468 | 25.820 | 24.780 | 35.7 | 46.5 | 51.0 | 32.2 | 41.6 | 67 | 19 | 25 | 27 | 66 | 49 | .138 | .146 | 2.35 | 1.33 | 5.5 | 6.2 | 6.5 |
| April | 25.448 | 25.750 | 25.140 | 39.1 | 56.2 | 59.6 | 36.5 | 48.0 | 76 | 26 | 27 | 24 | 62 | 31 | .148 | .130 | .36 | .20 | 6.6 | 6.0 | 5.4 |
| May | 25.373 | 25.670 | 24.960 | 40.4 | 57.6 | 61.0 | 37.9 | 49.4 | 81 | 24 | 27 | 25 | 60 | 32 | .149 | .142 | 1.12 | .52 | 4.3 | 5.6 | 6.0 |
| June | 25.431 | 25.670 | 25.190 | 47.7 | 72.6 | 74.9 | 45.1 | 60.0 | 92 | 34 | 33 | 29 | 58 | 21 | .189 | .161 | .32 | .20 | 2.4 | 3.2 | 3.5 |
| July | 25.463 | 25.680 | 25.230 | 59.5 | 82.7 | 86.2 | 57.0 | 71.6 | 95 | 44 | 41 | 37 | 53 | 23 | .263 | .233 | .73 | .26 | 3.0 | 2.9 | 3.7 |
| August | 25.488 | 25.740 | 25.130 | 56.7 | 79.7 | 83.3 | 54.4 | 68.8 | 96 | 42 | 38 | 35 | 52 | 22 | .240 | .213 | .95 | .74 | 3.5 | 3.1 | 3.4 |
| September | 25.476 | 25.760 | 25.110 | 48.2 | 71.9 | 75.0 | 45.3 | 60.2 | 90 | 29 | 30 | 28 | 50 | 20 | .165 | .152 | .01 | .01 | 2.5 | 2.0 | 2.9 |
| October | 25.501 | 25.820 | 25.001 | 38.0 | 50.9 | 57.7 | 35.1 | 46.4 | 69 | 22 | 30 | 32 | 74 | 50 | .173 | .188 | 2.11 | .80 | 4.4 | 4.3 | 5.0 |
| November | 25.607 | 25.960 | 25.050 | 25.8 | 35.2 | 41.9 | 21.1 | 31.5 | 68 | − 1 | 18 | 21 | 74 | 57 | .103 | .114 | .61 | .18 | 3.6 | 4.7 | 5.2 |
| December | 25.382 | 25.800 | 24.690 | 21.2 | 25.4 | 30.2 | 16.6 | 23.4 | 51 | − 7 | 17 | 18 | 82 | 74 | .095 | .102 | 2.31 | .70 | 7.4 | 7.2 | 7.8 |
| Year | 25.458 | 25.960 | 24.520 | 39.3 | 53.3 | 57.7 | 35.1 | 46.4 | 96 | − 8 | 27 | 27 | 66 | 44 | .157 | .152 | 14.91 | 1.33 | 4.7 | 4.9 | 5.3 |

POINT REYES LIGHT, CAL.

[$\phi$=38° 11′ N.; $\lambda$=122° 51′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.385 | 30.040 | 28.311 | ..... | 46.7 | 49.1 | 41.2 | 45.2 | 54 | 35 | .... | 44 | .... | 90 | ..... | 0.288 | 9.51 | 2.36 | ..... | 6.0 | 7.1 |
| February | 29.534 | 30.040 | 29.200 | ..... | 53.8 | 58.1 | 48.4 | 53.2 | 75 | 42 | .... | 50 | .... | 89 | ..... | .366 | 2.44 | .83 | ..... | 4.7 | 6.9 |
| March | 29.541 | 29.910 | 29.100 | ..... | 52.6 | 57.7 | 46.5 | 52.1 | 76 | 39 | .... | 48 | .... | 86 | ..... | .336 | .78 | .46 | ..... | 3.3 | 4.7 |
| April | 29.522 | 29.680 | 29.280 | ..... | 52.8 | 56.4 | 46.7 | 51.6 | 65 | 44 | .... | 49 | .... | 87 | ..... | .345 | .01 | .01 | ..... | 2.6 | 4.0 |
| May | 29.457 | 29.750 | 29.220 | ..... | 51.4 | 54.3 | 45.9 | 50.1 | 67 | 44 | .... | 47 | .... | 86 | ..... | .323 | .19 | .18 | ..... | 2.4 | 3.6 |
| June | 29.427 | 29.610 | 29.230 | ..... | 53.4 | 54.9 | 47.3 | 51.1 | 61 | 44 | .... | 50 | .... | 88 | ..... | .362 | .22 | .22 | ..... | 3.2 | 5.7 |
| July | 29.390 | 29.540 | 29.192 | ..... | 55.6 | 58.4 | 49.6 | 54.0 | 72 | 47 | .... | 53 | .... | 90 | ..... | .397 | .39 | .39 | ..... | 1.4 | 5.0 |
| August | 29.400 | 29.590 | 29.190 | ..... | 54.3 | 56.6 | 49.4 | 53.0 | 74 | 46 | .... | 52 | .... | 93 | ..... | .391 | .03 | .03 | ..... | 1.4 | 7.5 |
| September | 29.415 | 29.540 | 29.250 | ..... | 56.6 | 60.8 | 50.8 | 55.8 | 80 | 45 | .... | 53 | .... | 91 | ..... | .408 | 2.36 | 1.71 | ..... | 1.9 | 5.7 |
| October | 29.492 | 29.780 | 29.180 | ..... | 52.7 | 55.5 | 48.7 | 52.1 | 66 | 45 | .... | 50 | .... | 90 | ..... | .357 | .33 | .15 | ..... | 4.6 | 7.0 |
| November | 29.605 | 29.800 | 29.280 | ..... | 51.2 | 56.3 | 46.8 | 51.6 | 65 | 42 | .... | 46 | .... | 84 | ..... | .315 | .95 | .41 | ..... | 3.8 | 4.0 |
| December | 29.512 | 29.920 | 28.850 | ..... | 47.3 | 51.4 | 42.4 | 46.9 | 62 | 35 | .... | 44 | .... | 88 | ..... | .286 | 2.97 | .98 | ..... | 4.7 | 5.1 |
| Year | 29.473 | 30.040 | 28.311 | ..... | 52.4 | 55.8 | 47.0 | 51.4 | 80 | 35 | .... | 49 | .... | 88 | ..... | .348 | 20.18 | 2.36 | ..... | 3.3 | 5.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PIERRE, S. DAK.

[$H_b$=1,572 ft.; $h_t$=70 ft.; $h_r$=63 ft.; $h_a$=75 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Aurorss. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 9.4 | NW. | 45 | NW. | 2 | 9 | 3 | 8 | 9 | 3 | 4 | 2 | 24 | 0 | 12 | 12 | 7 | 6 | 6 | 11 | 6 | 0 | 0 | 24 | 0 | 31 | 0 | 0 |
| February | 8.8 | NW. | 44 | NW. | 2 | 3 | 10 | 11 | 6 | 2 | 5 | 3 | 16 | 2 | 7 | 11 | 11 | 7 | 4 | 14 | 6 | 0 | 0 | 17 | 0 | 26 | 0 | 0 |
| March | 10.9 | NW. | 41 | NW. | 1 | 14 | 6 | 9 | 8 | 1 | 7 | 1 | 16 | 0 | 9 | 15 | 7 | 5 | 3 | 7 | 4 | 0 | 0 | 4 | 0 | 24 | 0 | 0 |
| April | 11.0 | NW. | 42 | NW. | 2 | 11 | 4 | 9 | 9 | 2 | 5 | 0 | 20 | 0 | 6 | 10 | 14 | 13 | 7 | 4 | 2 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| May | 12.2 | NW. | 55 | NW. | 6 | 3 | 9 | 12 | 5 | 4 | 7 | 5 | 15 | 2 | 11 | 11 | 9 | 14 | 11 | 3 | 3 | 2 | 0 | 0 | 1 | 3 | 6 | 0 |
| June | 10.2 | NW. | 42 | W. | 1 | 4 | 9 | 4 | 14 | 1 | 3 | 9 | 15 | 1 | 11 | 12 | 7 | 15 | 10 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 8 | 0 |
| July | 9.7 | SE. | 53 | SW. | 1 | 4 | 7 | 13 | 25 | 3 | 2 | 1 | 6 | 1 | 19 | 8 | 4 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 8 | 0 |
| August | 8.3 | NE. | 32 | NW. | 0 | 10 | 11 | 11 | 11 | 6 | 2 | 3 | 7 | 1 | 12 | 12 | 7 | 11 | 8 | 0 | 0 | 0 | 1 | 0 | 10 | 0 | 8 | 0 |
| September | 9.2 | NW. | 47 | N. | 3 | 6 | 7 | 6 | 14 | 2 | 5 | 6 | 13 | 1 | 18 | 8 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 |
| October | 8.8 | NW. | 34 | W. | 0 | 7 | 6 | 7 | 7 | 5 | 7 | 1 | 22 | 0 | 13 | 13 | 5 | 5 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| November | 7.8 | NW. | 42 | W. | 1 | 11 | 3 | 6 | 9 | 2 | 5 | 10 | 14 | 0 | 12 | 10 | 8 | 3 | 1 | 3 | 1 | 0 | 0 | 4 | 0 | 24 | 0 | 0 |
| December | 9.2 | NW. | 45 | NW. | 4 | 13 | 4 | 6 | 6 | 1 | 3 | 6 | 23 | 0 | 13 | 7 | 11 | 9 | 4 | 14 | 9 | 0 | 0 | 22 | 0 | 30 | 0 | 0 |
| Year | 9.6 | NW. | 55 | NW. | 23 | 95 | 79 | 102 | 123 | 32 | 55 | 47 | 191 | 8 | 143 | 129 | 94 | 102 | 66 | 58 | 32 | 2 | 2 | 71 | 37 | 160 | 32 | 0 |

PITTSBURGH, PA.

[$H_b$=842 ft.; $h_t$=353 ft.; $h_r$=345 ft.; $h_a$=410 ft.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.3 | SW. | 52 | W. | 2 | 2 | 2 | 5 | 5 | 15 | 13 | 11 | 9 | 0 | 6 | 2 | 23 | 15 | 13 | 7 | 2 | 0 | 0 | 8 | 0 | 16 | 0 | 0 |
| February | 12.8 | NW. | 44 | NW. | 3 | 0 | 5 | 4 | 2 | 2 | 15 | 10 | 20 | 0 | 4 | 4 | 21 | 15 | 12 | 20 | 9 | 0 | 0 | 13 | 0 | 26 | 0 | 0 |
| March | 13.1 | NW. | 46 | SW. | 3 | 4 | 7 | 9 | 5 | 3 | 3 | 10 | 21 | 0 | 7 | 5 | 19 | 17 | 12 | 18 | 9 | 0 | 0 | 8 | 0 | 22 | 3 | 0 |
| April | 11.8 | NW. | 52 | NW. | 4 | 5 | 5 | 9 | 2 | 4 | 9 | 13 | 13 | 0 | 2 | 6 | 22 | 16 | 12 | 2 | 2 | 0 | 1 | 0 | 0 | 5 | 3 | 0 |
| May | 11.3 | NW. | 46 | NW. | 3 | 3 | 6 | 5 | 2 | 4 | 16 | 11 | 15 | 0 | 3 | 14 | 14 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| June | 10.2 | NW. | 44 | NW. | 1 | 2 | 4 | 6 | 7 | 8 | 13 | 4 | 16 | 0 | 1 | 16 | 13 | 13 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 9 | 0 |
| July | 8.4 | SE. | 50 | NW. | 1 | 5 | 10 | 4 | 14 | 0 | 9 | 7 | 13 | 0 | 10 | 11 | 10 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 10 | 0 |
| August | 7.6 | SW. | 40 | NW. | 1 | 7 | 5 | 3 | 6 | 7 | 16 | 10 | 8 | 0 | 8 | 14 | 9 | 11 | 8 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 11 | 0 |
| September | 10.5 | SW. | 32 | SW. | 0 | 3 | 2 | 2 | 7 | 13 | 14 | 7 | 12 | 0 | 13 | 9 | 8 | 9 | 8 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 6 | 0 |
| October | 9.8 | W. | 45 | SE. | 4 | 4 | 7 | 3 | 12 | 3 | 12 | 9 | 12 | 0 | 16 | 4 | 11 | 10 | 7 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 2 | 0 |
| November | 12.7 | SW. | 48 | W. | 3 | 3 | 2 | 5 | 4 | 9 | 16 | 16 | 5 | 0 | 13 | 5 | 12 | 8 | 8 | 4 | 1 | 0 | 1 | 2 | 0 | 9 | 1 | 0 |
| December | 12.6 | W. | 48 | W. | 3 | 4 | 0 | 4 | 7 | 6 | 16 | 17 | 8 | 0 | 6 | 6 | 19 | 13 | 9 | 15 | 9 | 0 | 1 | 10 | 0 | 23 | 1 | 0 |
| Year | 11.2 | SW. | 52 | NW. | 28 | 42 | 55 | 59 | 73 | 74 | 152 | 125 | 152 | 0 | 89 | 96 | 181 | 147 | 119 | 66 | 32 | 2 | 16 | 41 | 10 | 101 | 53 | 0 |

POCATELLO, IDAHO.

[$H_b$=4,477 ft.; $h_t$=60 ft.; $h_r$=52 ft.; $h_a$=68 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.2 | SE. | 37 | SW. | 0 | 0 | 0 | 2 | 27 | 7 | 19 | 5 | 2 | 0 | 1 | 11 | 19 | 15 | 13 | 22 | 15 | 0 | 0 | 17 | 0 | 27 | 0 | 0 |
| February | 7.0 | SE. | 29 | SE. | 0 | 0 | 0 | 4 | 27 | 3 | 9 | 7 | 6 | 2 | 8 | 10 | 11 | 11 | 7 | 12 | 9 | 0 | 2 | 5 | 0 | 24 | 0 | 0 |
| March | 11.2 | SE. | 44 | SW. | 1 | 1 | 0 | 5 | 23 | 7 | 14 | 5 | 6 | 1 | 6 | 11 | 14 | 10 | 7 | 7 | 5 | 0 | 0 | 1 | 0 | 16 | 1 | 0 |
| April | 9.7 | SW. | 38 | SW. | 0 | 4 | 2 | 0 | 11 | 7 | 15 | 13 | 7 | 1 | 8 | 13 | 9 | 4 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 10 | 1 | 0 |
| May | 9.9 | SW. | 58 | SW. | 3 | 4 | 0 | 2 | 17 | 7 | 15 | 16 | 1 | 0 | 7 | 12 | 12 | 9 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| June | 8.8 | SW. | 38 | SW. | 0 | 0 | 0 | 1 | 20 | 11 | 19 | 7 | 2 | 0 | 18 | 10 | 2 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| July | 9.0 | SE. | 38 | SW. | 0 | 3 | 0 | 0 | 28 | 8 | 13 | 8 | 2 | 0 | 15 | 13 | 3 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 7 | 0 |
| August | 7.9 | SE. | 46 | SW. | 1 | 3 | 2 | 1 | 21 | 8 | 9 | 11 | 6 | 1 | 18 | 9 | 4 | 6 | 4 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 7 | 1 |
| September | 8.8 | SE. | 44 | SW. | 2 | 2 | 1 | 1 | 14 | 10 | 13 | 11 | 8 | 0 | 17 | 11 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 |
| October | 7.8 | SE. | 35 | SW. | 0 | 2 | 0 | 1 | 17 | 8 | 11 | 11 | 10 | 2 | 12 | 10 | 9 | 10 | 7 | 4 | 4 | 0 | 1 | 0 | 0 | 9 | 1 | 0 |
| November | 9.8 | SE. | 40 | SW. | 2 | 0 | 1 | 0 | 25 | 6 | 13 | 11 | 3 | 1 | 13 | 6 | 11 | 6 | 6 | 8 | 6 | 0 | 0 | 4 | 0 | 26 | 0 | 0 |
| December | 12.1 | SE. | 40 | SW. | 1 | 1 | 3 | 0 | 30 | 3 | 14 | 6 | 5 | 0 | 2 | 9 | 20 | 16 | 9 | 20 | 13 | 0 | 0 | 17 | 0 | 29 | 0 | 0 |
| Year | 9.4 | SE. | 58 | SW. | 10 | 20 | 9 | 17 | 260 | 85 | 164 | 111 | 58 | 8 | 125 | 125 | 116 | 98 | 69 | 83 | 55 | 2 | 3 | 44 | 15 | 149 | 19 | 1 |

POINT REYES LIGHT, CAL.

[$H_b$=490 ft.; $h_t$=7 ft.; $h_r$=4 ft.; $h_a$=18 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 23.3 | S. | 104 | NW. | 17 | 1 | 0 | 1 | 2 | 10 | 6 | 4 | 7 | 0 | 3 | 11 | 17 | 28 | 22 | 1 | 0 | 1 | 7 | 0 | 0 | 0 | 2 | 0 |
| February | 15.7 | S. | 55 | S. | 7 | 7 | 3 | 2 | 1 | 8 | 5 | 0 | 2 | 1 | 6 | 7 | 16 | 14 | 11 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 |
| March | 21.4 | NW. | 81 | NW. | 13 | 8 | 0 | 1 | 0 | 6 | 1 | 1 | 14 | 0 | 14 | 10 | 7 | 9 | 4 | 0 | 0 | 1 | 12 | 0 | 0 | 0 | 0 | 0 |
| April | 25.6 | NW. | 87 | NW. | 14 | 6 | 0 | 0 | 0 | 2 | 1 | 1 | 20 | 0 | 14 | 12 | 4 | 1 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 1 | 0 |
| May | 32.3 | NW. | 80 | NW. | 22 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 26 | 0 | 18 | 5 | 8 | 2 | 2 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| June | 24.6 | NW. | 85 | NW. | 12 | 2 | 0 | 0 | 0 | 5 | 1 | 1 | 21 | 0 | 11 | 6 | 13 | 1 | 1 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| July | 27.8 | NW. | 78 | NW. | 18 | 10 | 0 | 0 | 0 | 2 | 1 | 0 | 18 | 0 | 14 | 7 | 10 | 1 | 1 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 |
| August | 23.2 | NW. | 67 | NW. | 10 | 10 | 0 | 0 | 0 | 1 | 1 | 1 | 18 | 0 | 7 | 3 | 21 | 1 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 |
| September | 18.2 | NW. | 64 | NW. | 8 | 6 | 3 | 0 | 0 | 2 | 1 | 2 | 15 | 1 | 10 | 9 | 11 | 4 | 2 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 2 | 0 |
| October | 16.2 | NW. | 56 | NW. | 6 | 9 | 0 | 0 | 0 | 3 | 4 | 0 | 15 | 0 | 7 | 5 | 19 | 5 | 4 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 |
| November | 16.9 | N. | 54 | NW. | 8 | 14 | 1 | 0 | 1 | 4 | 2 | 0 | 8 | 0 | 16 | 7 | 7 | 7 | 5 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 |
| December | 19.3 | NW. | 72 | S. | 14 | 8 | 4 | 1 | 2 | 1 | 2 | 0 | 13 | 0 | 15 | 5 | 11 | 12 | 9 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 0 |
| Year | 22.0 | NW. | 104 | NW. | 149 | 83 | 11 | 5 | 6 | 45 | 26 | 11 | 177 | 2 | 135 | 87 | 144 | 85 | 61 | 1 | 0 | 3 | 177 | 0 | 0 | 0 | 5 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PORT ANGELES, WASH.

[$\phi$=48° 7′ N.; $\lambda$=123° 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 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| February | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| March | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| April | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| June | 30.064 | 30.340 | 29.690 | ..... | 59.8 | 62.4 | 45.4 | 53.9 | 78 | 38 | ..... | 47 | ..... | 64 | ..... | 0.322 | 0.47 | 0.28 | ..... | 4.5 | 5.2 |
| July | 30.067 | 30.260 | 29.830 | ..... | 60.4 | 63.1 | 48.5 | 55.8 | 78 | 40 | ..... | 50 | ..... | 70 | ..... | .358 | .92 | .24 | ..... | 6.4 | 7.0 |
| August | 30.030 | 30.250 | 29.800 | ..... | 63.1 | 66.1 | 48.5 | 57.3 | 84 | 42 | ..... | 51 | ..... | 67 | ..... | .377 | .19 | .17 | ..... | 2.5 | 3.2 |
| September | 30.058 | 30.400 | 29.740 | ..... | 59.1 | 62.4 | 44.8 | 53.6 | 75 | 35 | ..... | 48 | ..... | 71 | ..... | .334 | .38 | .21 | ..... | 3.8 | 3.5 |
| October | 30.132 | 30.490 | 29.480 | ..... | 51.9 | 55.0 | 38.0 | 46.5 | 64 | 30 | ..... | 44 | ..... | 76 | ..... | .285 | 2.20 | .93 | ..... | 4.2 | 6.3 |
| November | 30.136 | 30.660 | 29.320 | ..... | 42.4 | 47.2 | 33.9 | 40.6 | 57 | 23 | ..... | 37 | ..... | 81 | ..... | .223 | 2.17 | .86 | ..... | 5.7 | 7.2 |
| December | 29.951 | 30.581 | 28.890 | ..... | 38.1 | 40.7 | 32.8 | 36.8 | 49 | 26 | ..... | 35 | ..... | 89 | ..... | .204 | 4.94 | 1.35 | ..... | 8.7 | 9.2 |
| Year | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

PORT HURON, MICH.

[$\phi$=43° 0′ N.; $\lambda$=82° 26′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.400 | 29.910 | 28.680 | 26.6 | 30.0 | 36.1 | 21.0 | 28.6 | 59 | − 2 | 23 | 25 | 86 | 82 | 0.140 | 0.151 | 3.18 | 0.74 | 8.0 | 7.1 | 7.5 |
| February | 29.379 | 29.970 | 28.730 | 16.8 | 19.7 | 25.4 | 11.7 | 18.6 | 42 | 1 | 13 | 16 | 85 | 84 | .081 | .090 | 1.09 | .23 | 7.3 | 5.9 | 6.7 |
| March | 29.256 | 29.720 | 28.420 | 21.1 | 26.3 | 32.4 | 16.6 | 24.5 | 54 | 1 | 18 | 22 | 85 | 83 | .104 | .125 | 2.14 | .52 | 6.4 | 6.4 | 6.4 |
| April | 29.247 | 29.560 | 28.870 | 40.4 | 42.8 | 51.4 | 35.3 | 43.4 | 75 | 26 | 34 | 36 | 78 | 78 | .200 | .215 | 1.83 | .32 | 6.8 | 6.2 | 6.0 |
| May | 29.212 | 29.662 | 28.679 | 52.6 | 54.8 | 62.4 | 44.8 | 53.6 | 80 | 36 | 44 | 45 | 73 | 72 | .392 | .321 | 4.70 | 1.08 | 5.4 | 5.3 | 5.9 |
| June | 29.205 | 29.614 | 28.862 | 58.2 | 61.2 | 68.6 | 51.5 | 60.0 | 81 | 42 | 52 | 52 | 81 | 73 | .396 | .393 | 2.41 | .50 | 5.6 | 4.6 | 5.4 |
| July | 29.320 | 29.560 | 28.940 | 72.2 | 74.4 | 83.7 | 64.7 | 74.2 | 102 | 56 | 61 | 64 | 75 | 70 | .596 | .600 | 2.47 | 2.42 | 2.6 | 2.9 | 3.0 |
| August | 29.317 | 29.620 | 29.020 | 67.7 | 73.1 | 81.9 | 61.3 | 71.6 | 96 | 49 | 60 | 61 | 77 | 68 | .539 | .557 | 1.95 | 1.39 | 3.3 | 4.7 | 3.9 |
| September | 29.323 | 29.683 | 28.960 | 58.0 | 62.1 | 70.1 | 51.5 | 60.8 | 91 | 31 | 49 | 51 | 73 | 68 | .375 | .398 | 1.23 | .49 | 5.3 | 4.7 | 5.0 |
| October | 29.377 | 29.708 | 28.590 | 45.4 | 50.7 | 59.5 | 40.3 | 49.9 | 85 | 32 | 40 | 41 | 84 | 70 | .262 | .262 | 2.15 | .83 | 4.7 | 3.2 | 4.9 |
| November | 29.353 | 29.800 | 28.390 | 34.9 | 39.1 | 45.8 | 31.0 | 38.4 | 66 | 15 | 31 | 32 | 84 | 77 | .181 | .191 | 1.08 | .44 | 6.2 | 4.5 | 6.1 |
| December | 29.253 | 29.760 | 28.730 | 22.3 | 25.0 | 32.1 | 17.4 | 24.8 | 58 | − 2 | 19 | 20 | 87 | 82 | .115 | .121 | 1.35 | .34 | 6.8 | 6.5 | 6.2 |
| Year | 29.301 | 29.970 | 28.390 | 43.0 | 46.6 | 54.1 | 37.3 | 45.7 | 102 | − 2 | 37 | 39 | 81 | 76 | .274 | .285 | 25.58 | 2.42 | 5.7 | 5.2 | 5.6 |

PORTLAND, ME.

[$\phi$=43° 39′ N.; $\lambda$=70° 15′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.034 | 30.530 | 29.280 | 24.0 | 27.0 | 35.6 | 17.7 | 26.6 | 61 | − 1 | 16 | 16 | 71 | 63 | 0.106 | 0.110 | 2.15 | 0.91 | 5.6 | 5.0 | 5.7 |
| February | 29.840 | 30.490 | 28.710 | 18.1 | 21.8 | 28.3 | 13.0 | 20.6 | 53 | − 5 | 11 | 11 | 71 | 62 | .085 | .082 | 4.30 | 1.08 | 5.7 | 5.8 | 6.1 |
| March | 29.765 | 30.113 | 28.920 | 23.8 | 27.8 | 34.5 | 19.2 | 26.8 | 57 | 1 | 14 | 16 | 67 | 61 | .091 | .098 | 5.22 | 1.28 | 5.6 | 3.6 | 5.2 |
| April | 29.804 | 30.189 | 29.170 | 41.2 | 41.2 | 48.4 | 35.3 | 41.8 | 59 | 27 | 32 | 33 | 71 | 74 | .182 | .188 | 5.56 | 1.53 | 5.7 | 5.1 | 6.2 |
| May | 29.776 | 30.169 | 29.168 | 51.9 | 51.4 | 60.3 | 44.5 | 52.4 | 76 | 38 | 42 | 41 | 71 | 71 | .269 | .264 | 5.64 | 4.86 | 6.8 | 4.2 | 6.3 |
| June | 29.861 | 30.144 | 29.530 | 58.4 | 57.2 | 65.3 | 51.2 | 58.2 | 77 | 44 | 50 | 50 | 77 | 80 | .367 | .367 | 6.32 | 2.26 | 5.8 | 6.0 | 6.3 |
| July | 29.874 | 30.266 | 29.430 | 67.6 | 66.4 | 75.6 | 60.2 | 67.9 | 94 | 54 | 60 | 59 | 79 | 80 | .535 | .507 | 3.82 | .95 | 6.3 | 5.1 | 6.6 |
| August | 29.865 | 30.190 | 29.460 | 65.9 | 66.0 | 74.2 | 58.5 | 65.4 | 89 | 49 | 57 | 58 | 75 | 78 | .481 | .500 | 2.14 | .81 | 3.5 | 3.8 | 4.1 |
| September | 29.927 | 30.450 | 29.560 | 57.5 | 58.5 | 67.0 | 50.6 | 58.8 | 83 | 42 | 49 | 51 | 75 | 77 | .362 | .387 | 1.47 | .65 | 4.1 | 2.3 | 4.6 |
| October | 30.096 | 30.490 | 29.340 | 47.5 | 50.7 | 59.4 | 41.5 | 50.4 | 79 | 32 | 39 | 40 | 72 | 68 | .252 | .260 | 1.29 | .87 | 4.8 | 2.6 | 4.4 |
| November | 29.968 | 30.446 | 28.970 | 33.3 | 37.1 | 44.0 | 29.1 | 36.6 | 61 | 16 | 26 | 27 | 72 | 66 | .146 | .157 | 2.98 | 1.19 | 5.6 | 3.0 | 5.1 |
| December | 29.746 | 30.330 | 28.644 | 24.5 | 27.4 | 33.4 | 21.2 | 27.3 | 49 | 6 | 16 | 18 | 68 | 65 | .100 | .107 | 6.09 | 2.48 | 4.9 | 3.5 | 4.9 |
| Year | 29.872 | 30.530 | 28.644 | 42.8 | 44.4 | 52.2 | 36.8 | 44.5 | 94 | − 5 | 34 | 35 | 72 | 70 | .248 | .252 | 46.98 | 4.86 | 5.4 | 4.2 | 5.5 |

PORTLAND, OREG.

[$\phi$=45° 32′ N.; $\lambda$=122° 41′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.717 | 30.420 | 29.250 | 28.5 | 32.0 | 34.1 | 25.2 | 29.6 | 54 | 13 | 23 | 23 | 80 | 69 | 0.128 | 0.130 | 5.69 | 0.77 | 8.1 | 9.0 | 9.0 |
| February | 29.905 | 30.250 | 29.130 | 39.7 | 45.0 | 48.0 | 35.5 | 42.2 | 58 | 22 | 34 | 35 | 82 | 70 | .202 | .207 | 7.87 | 2.16 | 6.4 | 6.1 | 6.3 |
| March | 29.894 | 30.320 | 29.130 | 43.3 | 51.5 | 53.2 | 40.7 | 47.0 | 68 | 32 | 40 | 39 | 87 | 66 | .246 | .247 | 10.57 | 2.44 | 7.5 | 8.1 | 8.2 |
| April | 29.974 | 30.300 | 29.630 | 45.8 | 61.3 | 62.1 | 44.0 | 53.0 | 73 | 35 | 41 | 37 | 83 | 44 | .254 | .225 | 2.85 | .62 | 7.1 | 6.4 | 6.5 |
| May | 29.906 | 30.310 | 29.470 | 47.3 | 61.7 | 63.3 | 46.2 | 54.8 | 81 | 36 | 41 | 41 | 81 | 49 | .263 | .263 | 2.05 | .53 | 7.9 | 6.8 | 7.2 |
| June | 29.871 | 30.200 | 29.516 | 53.6 | 69.4 | 71.6 | 52.3 | 62.0 | 92 | 41 | 47 | 46 | 78 | 48 | .325 | .323 | 1.83 | .60 | 6.1 | 5.4 | 5.6 |
| July | 29.893 | 30.130 | 29.627 | 56.5 | 70.9 | 72.7 | 55.6 | 64.2 | 85 | 50 | 50 | 52 | 81 | 53 | .359 | .333 | 2.55 | .88 | 6.6 | 4.9 | 5.9 |
| August | 29.833 | 30.100 | 29.640 | 58.7 | 77.8 | 78.5 | 57.5 | 68.0 | 96 | 46 | 53 | 55 | 83 | 47 | .411 | .442 | .27 | .15 | 5.4 | 2.7 | 4.1 |
| September | 29.869 | 30.150 | 29.550 | 54.7 | 70.7 | 72.4 | 52.6 | 62.5 | 85 | 45 | 50 | 48 | 83 | 47 | .360 | .342 | .71 | .45 | 5.0 | 4.4 | 5.4 |
| October | 29.962 | 30.350 | 29.542 | 45.6 | 61.3 | 63.1 | 43.4 | 53.2 | 73 | 34 | 41 | 40 | 84 | 50 | .258 | .259 | 1.26 | .43 | 4.7 | 3.3 | 5.0 |
| November | 30.039 | 30.480 | 29.330 | 41.2 | 46.2 | 49.1 | 38.3 | 43.7 | 58 | 29 | 33 | 33 | 75 | 64 | .206 | .206 | 6.31 | 1.46 | 5.1 | 6.0 | 6.6 |
| December | 29.867 | 30.450 | 29.120 | 36.4 | 39.9 | 41.8 | 34.4 | 38.1 | 51 | 24 | 32 | 33 | 86 | 77 | .189 | .194 | 3.81 | .85 | 7.9 | 8.1 | 8.5 |
| Year | 29.894 | 30.480 | 29.120 | 45.9 | 57.2 | 59.2 | 43.9 | 51.5 | 96 | 13 | 40 | 40 | 82 | 57 | .268 | .269 | 45.77 | 2.44 | 6.5 | 5.9 | 6.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PORT ANGELES, WASH.

[$H_b$=42 ft.; $h_t$=8 ft.; $h_r$=29 ft.; $h_a$=48 ft.]

| Month. | Wind. | | | | | | | | | | | | | Number of days. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | By self-register. | | | | | Number of winds, 8 a. m. and 8 p. m. | | | | | | | | | | | Precipitation. | | Snow. | | | | Maximum temp. | | | Electricity. | |
| | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| February | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| March | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| April | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| June | 7.2 | SW. | 27 | SW. | 0 | 2 | 3 | 0 | 0 | 0 | 16 | 8 | 1 | 0 | 11 | 8 | 11 | 6 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| July | 6.6 | SW. | 27 | SW. | 0 | 3 | 0 | 1 | 0 | 0 | 20 | 7 | 0 | 0 | 5 | 7 | 19 | 12 | 9 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| August | 6.0 | SW. | 20 | SW. | 0 | 3 | 0 | 0 | 0 | 0 | 21 | 7 | 0 | 0 | 18 | 10 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| September | 5.4 | SW. | 36 | SW. | 0 | 6 | 4 | 0 | 0 | 0 | 11 | 9 | 0 | 0 | 16 | 10 | 4 | 5 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| October | 3.7 | SE. | 30 | E. | 0 | 12 | 3 | 2 | 1 | 1 | 8 | 4 | 0 | 0 | 9 | 7 | 15 | 8 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 0 | 0 |
| November | 5.2 | SE. | 32 | SW. | 0 | 7 | 3 | 7 | 7 | 0 | 6 | 0 | 0 | 0 | 5 | 7 | 18 | 14 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 1 |
| December | 4.9 | SE. | 27 | SW. | 0 | 3 | 6 | 4 | 1 | 6 | 8 | 2 | 1 | 0 | 0 | 2 | 29 | 18 | 14 | 6 | 3 | 0 | 0 | 0 | 0 | 15 | 0 | 0 |
| Year | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

PORT HURON, MICH.

[$H_b$=638 ft.; $h_t$=70 ft.; $h_r$=63 ft.; $h_a$=120 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.5 | SW. | 38 | SW. | 0 | 0 | 2 | 3 | 3 | 14 | 16 | 14 | 10 | 0 | 2 | 12 | 17 | 14 | 10 | 10 | 3 | 0 | 0 | 11 | 0 | 25 | 0 | 0 |
| February | 11.9 | NW. | 40 | NW. | 1 | 5 | 9 | 3 | 0 | 4 | 12 | 13 | 12 | 0 | 3 | 12 | 14 | 14 | 6 | 19 | 12 | 0 | 0 | 23 | 0 | 29 | 0 | 0 |
| March | 13.0 | NW. | 48 | NW. | 1 | 12 | 13 | 0 | 7 | 5 | 5 | 7 | 13 | 0 | 3 | 17 | 11 | 15 | 11 | 16 | 13 | 0 | 2 | 17 | 0 | 26 | 2 | 0 |
| April | 10.9 | N. | 48 | NW. | 2 | 15 | 13 | 2 | 5 | 9 | 6 | 5 | 5 | 0 | 9 | 12 | 9 | 19 | 14 | 2 | 1 | 0 | 3 | 0 | 0 | 7 | 4 | 1 |
| May | 11.1 | W. | 50 | W. | 3 | 7 | 10 | 4 | 9 | 8 | 8 | 6 | 9 | 1 | 6 | 16 | 9 | 15 | 11 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 0 |
| June | 9.7 | NE. | 36 | SE. | 0 | 4 | 16 | 3 | 11 | 5 | 7 | 6 | 8 | 0 | 5 | 22 | 3 | 16 | 11 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 7 | 0 |
| July | 8.0 | NE. | 37 | NW. | 0 | 13 | 22 | 4 | 2 | 7 | 8 | 3 | 3 | 0 | 18 | 13 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 |
| August | 8.8 | SW. | 30 | N. | 0 | 2 | 13 | 6 | 1 | 12 | 11 | 9 | 8 | 0 | 14 | 17 | 0 | 11 | 7 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 5 | 0 |
| September | 10.8 | SW. | 30 | SW. | 0 | 3 | 5 | 1 | 5 | 10 | 17 | 7 | 12 | 0 | 10 | 14 | 6 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 0 |
| October | 12.3 | SW. | 42 | SW. | 3 | 6 | 2 | 3 | 12 | 12 | 10 | 14 | 3 | 0 | 11 | 10 | 10 | 11 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| November | 13.2 | SW. | 40 | NW. | 1 | 1 | 3 | 8 | 7 | 2 | 18 | 11 | 10 | 0 | 7 | 9 | 14 | 9 | 4 | 6 | 4 | 0 | 1 | 5 | 0 | 17 | 0 | 0 |
| December | 12.4 | W. | 40 | W. | 1 | 3 | 1 | 1 | 6 | 7 | 15 | 14 | 15 | 0 | 7 | 12 | 12 | 16 | 14 | 17 | 10 | 0 | 1 | 20 | 0 | 26 | 1 | 0 |
| Year | 11.4 | SW. | 50 | W. | 12 | 71 | 109 | 38 | 68 | 95 | 133 | 109 | 108 | 1 | 95 | 166 | 105 | 150 | 102 | 70 | 43 | 1 | 13 | 76 | 13 | 131 | 32 | 1 |

PORTLAND, ME.

[$H_b$=103 ft.; $h_t$=82 ft.; $h_r$=75 ft.; $h_a$=117 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.5 | SW. | 48 | NW. | 1 | 5 | 3 | 0 | 2 | 9 | 16 | 17 | 10 | 0 | 13 | 2 | 16 | 11 | 8 | 8 | 6 | 0 | 1 | 14 | 0 | 29 | 0 | 0 |
| February | 10.5 | N. | 32 | W. | 0 | 14 | 2 | 0 | 2 | 4 | 14 | 11 | 11 | 0 | 8 | 6 | 15 | 15 | 13 | 14 | 10 | 0 | 2 | 19 | 0 | 28 | 0 | 0 |
| March | 10.6 | N. | 33 | NW. | 0 | 14 | 8 | 1 | 1 | 5 | 5 | 12 | 15 | 1 | 13 | 7 | 11 | 12 | 12 | 14 | 12 | 0 | 0 | 19 | 0 | 26 | 0 | 0 |
| April | 10.4 | NW. | 32 | NE. | 0 | 13 | 11 | 5 | 2 | 6 | 4 | 9 | 10 | 0 | 7 | 9 | 14 | 14 | 13 | 5 | 5 | 0 | 0 | 0 | 0 | 7 | 0 | 0 |
| May | 9.9 | S. | 40 | E. | 1 | 2 | 7 | 6 | 5 | 18 | 3 | 9 | 12 | 0 | 5 | 16 | 10 | 12 | 8 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| June | 8.7 | E. | 30 | NW. | 0 | 4 | 11 | 5 | 9 | 10 | 3 | 10 | 8 | 0 | 8 | 9 | 13 | 16 | 13 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| July | 8.5 | S. | 27 | NW. | 0 | 12 | 2 | 2 | 3 | 25 | 10 | 6 | 1 | 1 | 8 | 7 | 16 | 14 | 11 | 0 | 0 | 0 | 6 | 0 | 3 | 0 | 5 | 0 |
| August | 8.3 | S. | 25 | SW. | 0 | 6 | 5 | 2 | 3 | 19 | 10 | 6 | 10 | 1 | 16 | 8 | 7 | 10 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 |
| September | 8.1 | S. | 28 | SE. | 0 | 5 | 3 | 2 | 3 | 17 | 10 | 9 | 11 | 0 | 15 | 6 | 9 | 11 | 6 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| October | 9.8 | SW. | 39 | NW. | 0 | 7 | 2 | 0 | 7 | 9 | 20 | 4 | 13 | 0 | 15 | 7 | 9 | 10 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 1 |
| November | 9.1 | SW. | 38 | NW. | 0 | 7 | 1 | 1 | 3 | 7 | 15 | 12 | 14 | 0 | 13 | 7 | 10 | 8 | 6 | 5 | 4 | 0 | 1 | 4 | 0 | 19 | 0 | 0 |
| December | 10.2 | NW. | 45 | NW. | 2 | 6 | 0 | 0 | 0 | 2 | 10 | 18 | 26 | 0 | 16 | 3 | 12 | 14 | 12 | 9 | 7 | 0 | 1 | 17 | 0 | 27 | 0 | 0 |
| Year | 9.6 | NW. | 48 | NW. | 4 | 95 | 55 | 24 | 40 | 131 | 120 | 123 | 141 | 3 | 137 | 87 | 142 | 147 | 113 | 56 | 44 | 1 | 24 | 73 | 3 | 137 | 13 | 1 |

PORTLAND, OREG.

[$H_b$=153 ft.; $h_t$=68 ft.; $h_r$=63 ft.; $h_a$=106 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.8 | E. | 34 | E. | 0 | 4 | 3 | 25 | 12 | 7 | 6 | 0 | 5 | 0 | 1 | 3 | 27 | 22 | 20 | 20 | 16 | 0 | 1 | 14 | 0 | 27 | 0 | 0 |
| February | 7.0 | SE. | 28 | E. | 0 | 7 | 1 | 12 | 16 | 3 | 6 | 2 | 11 | 0 | 8 | 5 | 16 | 14 | 12 | 5 | 5 | 0 | 1 | 3 | 0 | 7 | 0 | 0 |
| March | 7.4 | S. | 29 | S. | 0 | 7 | 2 | 2 | 12 | 17 | 9 | 3 | 10 | 0 | 1 | 7 | 23 | 21 | 16 | 3 | 2 | 3 | 2 | 0 | 0 | 0 | 1 | 0 |
| April | 6.2 | W. | 31 | W. | 0 | 11 | 1 | 2 | 9 | 6 | 12 | 13 | 6 | 0 | 4 | 13 | 13 | 18 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| May | 6.6 | NW. | 26 | SW. | 0 | 11 | 0 | 2 | 9 | 10 | 11 | 8 | 11 | 0 | 5 | 7 | 19 | 13 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | 6.0 | NW. | 31 | SW. | 0 | 10 | 5 | 1 | 1 | 8 | 8 | 7 | 19 | 1 | 10 | 8 | 12 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| July | 5.4 | NW. | 19 | NW. | 0 | 12 | 0 | 3 | 7 | 7 | 4 | 7 | 22 | 0 | 7 | 13 | 11 | 7 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| August | 5.2 | NW. | 18 | NW. | 0 | 17 | 1 | 5 | 3 | 8 | 2 | 3 | 22 | 1 | 13 | 12 | 6 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 1 | 0 |
| September | 5.2 | NW. | 25 | NE. | 0 | 11 | 6 | 2 | 5 | 4 | 7 | 4 | 20 | 1 | 8 | 12 | 10 | 4 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| October | 5.5 | NW. | 30 | NE. | 0 | 12 | 5 | 4 | 6 | 6 | 2 | 3 | 24 | 0 | 11 | 12 | 8 | 4 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 7.2 | SE. | 30 | SW. | 0 | 0 | 4 | 11 | 9 | 12 | 13 | 1 | 10 | 0 | 6 | 5 | 19 | 15 | 14 | 0 | 0 | 1 | 3 | 0 | 0 | 6 | 0 | 0 |
| December | 6.5 | SE. | 28 | SW. | 0 | 1 | 3 | 7 | 11 | 10 | 10 | 11 | 9 | 0 | 0 | 7 | 24 | 16 | 13 | 8 | 1 | 0 | 5 | 4 | 0 | 7 | 0 | 0 |
| Year | 6.4 | NW. | 34 | E. | 0 | 103 | 31 | 76 | 100 | 98 | 90 | 62 | 169 | 3 | 74 | 104 | 188 | 148 | 126 | 36 | 24 | 5 | 20 | 21 | 7 | 47 | 5 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PROVIDENCE, R. I.

[$\phi$=41° 50′ N., $\lambda$= 71° 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 | 30.008 | 30.490 | 29.380 | 30.2 | 32.5 | 40.7 | 23.6 | 32.2 | 64 | 3 | 23 | 26 | 74 | 74 | 0.143 | 0.157 | 1.35 | 0.45 | 5.6 | 5.9 | 6.0 |
| February | 29.790 | 30.365 | 28.700 | 22.6 | 25.6 | 31.9 | 17.2 | 24.6 | 56 | 0 | 18 | 19 | 81 | 74 | .112 | .114 | 4.34 | 2.01 | 6.1 | 5.6 | 6.1 |
| March | 29.697 | 30.088 | 28.810 | 27.4 | 30.2 | 36.7 | 22.0 | 29.4 | 60 | 5 | 21 | 21 | 77 | 68 | .120 | .119 | 2.46 | .65 | 5.0 | 4.5 | 5.2 |
| April | 29.722 | 30.070 | 29.100 | 42.7 | 44.0 | 51.9 | 37.1 | 44.5 | 67 | 32 | 33 | 34 | 71 | 70 | .192 | .196 | 2.89 | .83 | 6.0 | 5.4 | 6.5 |
| May | 29.725 | 30.114 | 29.040 | 55.9 | 56.6 | 65.6 | 48.4 | 57.0 | 83 | 40 | 45 | 44 | 71 | 67 | .315 | .296 | 3.85 | 2.08 | 5.8 | 5.1 | 5.8 |
| June | 29.776 | 29.974 | 29.400 | 61.8 | 62.1 | 71.3 | 54.2 | 62.8 | 83 | 48 | 54 | 55 | 79 | 81 | .432 | .443 | 4.20 | 2.29 | 5.3 | 6.1 | 6.1 |
| July | 29.828 | 30.190 | 29.280 | 70.8 | 70.3 | 79.2 | 63.6 | 71.4 | 93 | 53 | 64 | 65 | 81 | 85 | .608 | .633 | 6.37 | 2.02 | 6.9 | 6.6 | 6.6 |
| August | 29.810 | 30.090 | 29.400 | 69.3 | 69.9 | 80.4 | 61.3 | 70.8 | 94 | 50 | 62 | 62 | 79 | 76 | .570 | .561 | .78 | .27 | 4.9 | 3.8 | 4.4 |
| September | 29.881 | 30.350 | 29.510 | 61.7 | 62.3 | 73.1 | 53.6 | 63.4 | 88 | 43 | 55 | 54 | 80 | 77 | .449 | .442 | .86 | .38 | 5.1 | 2.5 | 4.2 |
| October | 29.956 | 30.400 | 29.410 | 51.6 | 54.0 | 63.6 | 44.2 | 53.9 | 83 | 33 | 45 | 46 | 79 | 76 | .322 | .332 | 2.39 | 1.88 | 4.2 | 3.6 | 4.5 |
| November | 29.932 | 30.374 | 29.010 | 38.6 | 41.4 | 48.9 | 33.4 | 41.2 | 65 | 20 | 32 | 32 | 76 | 70 | .189 | .191 | 1.92 | .67 | 4.0 | 3.2 | 4.3 |
| December | 29.730 | 30.260 | 28.740 | 28.6 | 31.1 | 37.4 | 25.3 | 31.4 | 58 | 9 | 21 | 22 | 72 | 68 | .121 | .128 | 3.03 | .91 | 4.5 | 4.1 | 4.6 |
| Year | 29.821 | 30.490 | 28.700 | 46.8 | 48.3 | 56.7 | 40.3 | 48.6 | 94 | 0 | 39 | 40 | 77 | 74 | .298 | .301 | 34.44 | 2.29 | 5.3 | 4.7 | 5.4 |

PUEBLO, COLO.

[$\phi$=38° 18′ N.; $\lambda$=104° 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. |
| January | 25.176 | 25.560 | 24.710 | 21.8 | 31.6 | 39.8 | 14.4 | 27.1 | 68 | −8 | 12 | 16 | 69 | 58 | 0.072 | 0.091 | 0.22 | 0.08 | 3.2 | 4.9 | 4.3 |
| February | 25.338 | 25.730 | 24.750 | 22.9 | 46.5 | 52.8 | 19.2 | 36.0 | 70 | −14 | 15 | 21 | 69 | 38 | .088 | .112 | T. | T. | 1.6 | 3.0 | 2.4 |
| March | 25.230 | 25.630 | 24.550 | 37.6 | 58.3 | 63.8 | 33.2 | 48.5 | 78 | 9 | 22 | 24 | 54 | 30 | .117 | .130 | .65 | .45 | 3.8 | 4.4 | 3.4 |
| April | 25.256 | 25.560 | 24.860 | 37.6 | 56.4 | 62.0 | 35.2 | 48.6 | 84 | 22 | 29 | 29 | 71 | 42 | .160 | .163 | 2.02 | 1.13 | 5.4 | 6.6 | 5.7 |
| May | 25.156 | 25.480 | 24.780 | 46.8 | 70.3 | 74.4 | 43.6 | 59.0 | 95 | 31 | 33 | 29 | 63 | 27 | .190 | .166 | .63 | .53 | 2.8 | 4.9 | 3.6 |
| June | 25.225 | 25.480 | 24.910 | 56.4 | 80.6 | 85.1 | 54.2 | 69.6 | 99 | 43 | 43 | 39 | 64 | 29 | .288 | .261 | 1.22 | .96 | 2.4 | 4.6 | 3.1 |
| July | 25.325 | 25.590 | 25.020 | 62.0 | 84.6 | 91.6 | 60.6 | 76.1 | 100 | 55 | 48 | 48 | 62 | 31 | .344 | .338 | .83 | .37 | 1.6 | 6.1 | 3.5 |
| August | 25.343 | 25.630 | 25.047 | 59.4 | 78.1 | 84.9 | 58.9 | 71.9 | 95 | 50 | 54 | 53 | 82 | 43 | .416 | .404 | 3.12 | 1.39 | 3.1 | 5.9 | 4.2 |
| September | 25.324 | 25.720 | 24.920 | 49.2 | 71.9 | 79.0 | 47.5 | 63.2 | 92 | 30 | 37 | 40 | 65 | 33 | .231 | .251 | T. | T. | 1.4 | 2.3 | 2.1 |
| October | 25.316 | 25.710 | 24.880 | 40.6 | 58.2 | 66.5 | 36.8 | 51.6 | 83 | 20 | 30 | 32 | 70 | 42 | .172 | .185 | .71 | .60 | 3.9 | 3.2 | 3.7 |
| November | 25.353 | 25.650 | 24.890 | 28.1 | 44.1 | 53.7 | 22.9 | 38.3 | 79 | −8 | 18 | 21 | 65 | 46 | .098 | .115 | .20 | .09 | 2.1 | 1.0 | 2.2 |
| December | 25.129 | 25.540 | 24.500 | 21.0 | 35.6 | 44.9 | 14.8 | 29.8 | 68 | −2 | 11 | 14 | 66 | 42 | .071 | .081 | .23 | .10 | 2.4 | 1.6 | 3.0 |
| Year | 25.264 | 25.730 | 24.500 | 40.3 | 59.7 | 66.5 | 36.8 | 51.6 | 100 | −14 | 29 | 30 | 67 | 38 | .187 | .191 | 9.83 | 1.39 | 2.8 | 4.1 | 3.4 |

RALEIGH, N. C.

[$\phi$=35° 45′ N.; $\lambda$=78° 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. |
| January | 29.876 | 30.230 | 29.360 | 41.9 | 50.2 | 57.4 | 38.1 | 47.8 | 73 | 16 | 35 | 39 | 78 | 66 | 0.244 | 0.270 | 2.69 | 0.75 | 6.5 | 5.8 | 6.6 |
| February | 29.656 | 30.240 | 28.980 | 36.3 | 44.3 | 52.8 | 31.8 | 42.3 | 70 | 9 | 30 | 30 | 77 | 58 | .184 | .179 | 2.76 | 1.25 | 4.1 | 4.3 | 5.1 |
| March | 29.541 | 29.960 | 28.740 | 42.4 | 53.2 | 60.7 | 37.9 | 49.3 | 79 | 23 | 32 | 32 | 67 | 45 | .205 | .199 | 2.17 | .59 | 5.0 | 4.2 | 5.5 |
| April | 29.575 | 29.930 | 29.190 | 52.3 | 62.6 | 69.2 | 48.2 | 58.7 | 86 | 35 | 40 | 40 | 65 | 46 | .262 | .253 | 2.32 | .90 | 5.3 | 3.3 | 5.9 |
| May | 29.569 | 29.840 | 29.220 | 66.6 | 74.4 | 81.7 | 61.7 | 71.7 | 96 | 52 | 56 | 55 | 69 | 54 | .456 | .456 | 2.95 | 1.83 | 4.0 | 5.0 | 5.0 |
| June | 29.541 | 29.810 | 29.230 | 70.1 | 74.7 | 83.2 | 64.0 | 73.6 | 92 | 58 | 63 | 63 | 80 | 70 | .594 | .592 | 7.17 | 1.76 | 4.5 | 4.4 | 5.2 |
| July | 29.628 | 29.860 | 29.310 | 73.5 | 77.4 | 84.4 | 69.7 | 77.0 | 90 | 64 | 69 | 69 | 87 | 76 | .714 | .707 | 8.09 | 3.04 | 7.5 | 6.0 | 6.9 |
| August | 29.630 | 29.810 | 29.350 | 73.4 | 77.6 | 86.9 | 68.7 | 77.8 | 94 | 63 | 67 | 68 | 82 | 75 | .680 | .702 | 6.10 | 2.66 | 4.0 | 4.8 | 4.5 |
| September | 29.686 | 29.970 | 29.420 | 64.6 | 70.7 | 79.0 | 59.9 | 69.4 | 93 | 45 | 58 | 59 | 78 | 68 | .501 | .521 | 1.42 | .91 | 3.9 | 3.0 | 3.6 |
| October | 29.729 | 29.960 | 29.300 | 55.5 | 64.1 | 71.6 | 52.0 | 61.8 | 85 | 38 | 50 | 52 | 82 | 66 | .382 | .412 | 2.08 | 1.83 | 4.4 | 3.2 | 4.0 |
| November | 29.782 | 30.190 | 29.170 | 45.8 | 54.0 | 62.3 | 42.1 | 52.2 | 78 | 24 | 40 | 40 | 81 | 62 | .272 | .272 | .93 | .56 | 2.9 | 1.7 | 3.5 |
| December | 29.669 | 30.120 | 29.050 | 37.7 | 44.4 | 51.7 | 33.7 | 42.7 | 71 | 20 | 31 | 32 | 77 | 64 | .191 | .199 | 2.25 | 1.07 | 4.8 | 3.5 | 4.5 |
| Year | 29.657 | 30.240 | 28.740 | 55.0 | 62.3 | 70.1 | 50.6 | 60.4 | 96 | 9 | 48 | 48 | 77 | 62 | .390 | .397 | 40.93 | 3.04 | 4.7 | 4.1 | 5.0 |

RAPID CITY, S. DAK.

[$\phi$=44° 4′ N.; $\lambda$=103° 12′ 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. |
| January | 26.561 | 26.930 | 25.870 | 7.1 | 10.2 | 22.1 | −3.0 | 9.6 | 59 | −33 | −3 | −1 | 63 | 60 | 0.048 | 0.047 | 0.57 | 0.22 | 3.5 | 3.8 | 4.5 |
| February | 26.685 | 27.050 | 26.230 | 20.2 | 29.4 | 38.3 | 13.4 | 25.8 | 66 | −13 | 10 | 15 | 63 | 56 | .077 | .094 | .44 | .27 | 3.6 | 4.3 | 4.8 |
| March | 26.520 | 27.020 | 25.924 | 30.9 | 43.3 | 51.1 | 24.6 | 37.8 | 73 | −10 | 21 | 23 | 67 | 50 | .126 | .132 | 1.02 | .68 | 5.8 | 6.9 | 5.9 |
| April | 26.601 | 26.960 | 26.160 | 36.6 | 49.0 | 52.9 | 32.6 | 42.8 | 70 | 12 | 26 | 30 | 65 | 51 | .144 | .168 | 1.24 | .60 | 4.9 | 6.0 | 5.9 |
| May | 26.482 | 26.820 | 26.040 | 46.2 | 59.1 | 62.8 | 41.2 | 52.0 | 88 | 30 | 34 | 32 | 63 | 42 | .198 | .189 | 4.75 | 1.50 | 4.7 | 5.8 | 5.5 |
| June | 26.563 | 26.800 | 26.284 | 55.3 | 65.9 | 69.5 | 50.7 | 60.1 | 92 | 42 | 43 | 48 | 65 | 56 | .288 | .358 | 2.30 | .76 | 4.6 | 5.9 | 5.8 |
| July | 26.604 | 26.970 | 26.302 | 65.3 | 83.5 | 87.9 | 61.7 | 74.8 | 99 | 54 | 55 | 55 | 68 | 40 | .433 | .438 | 1.42 | .58 | 4.1 | 3.3 | 3.5 |
| August | 26.636 | 26.950 | 26.250 | 59.2 | 73.7 | 79.9 | 55.6 | 67.8 | 95 | 44 | 49 | 50 | 70 | 49 | .349 | .377 | 2.36 | 1.04 | 4.1 | 4.6 | 4.5 |
| September | 26.604 | 27.060 | 26.219 | 50.1 | 67.4 | 73.9 | 45.4 | 59.6 | 95 | 33 | 34 | 34 | 56 | 34 | .205 | .210 | .07 | .03 | 2.5 | 2.6 | 2.8 |
| October | 26.654 | 27.160 | 26.150 | 37.9 | 48.2 | 56.5 | 32.3 | 44.4 | 81 | 20 | 26 | 30 | 63 | 53 | .144 | .171 | .52 | .17 | 5.0 | 5.5 | 5.7 |
| November | 26.658 | 27.120 | 25.950 | 29.4 | 37.6 | 47.8 | 23.2 | 35.5 | 70 | −13 | 18 | 18 | 62 | 47 | .103 | .102 | .51 | .30 | 4.1 | 3.0 | 4.6 |
| December | 26.458 | 26.850 | 26.084 | 11.5 | 15.5 | 26.2 | 4.1 | 15.2 | 60 | −28 | 2 | 4 | 65 | 59 | .059 | .058 | .75 | .29 | 5.3 | 3.8 | 5.6 |
| Year | 26.586 | 27.160 | 25.870 | 37.5 | 48.6 | 55.7 | 31.8 | 43.8 | 99 | −33 | 26 | 28 | 64 | 50 | .181 | .195 | 15.95 | 1.50 | 4.4 | 4.6 | 4.9 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

PROVIDENCE, R. I.

[$H_b$=160 ft.; $h_t$=215 ft.; $h_r$=211 ft; $h_a$=251 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 14.1 | SW. | 60 | NW. | 6 | 5 | 3 | 0 | 3 | 5 | 18 | 11 | 17 | 0 | 11 | 6 | 14 | 13 | 7 | 8 | 3 | 0 | 3 | 8 | 0 | 24 | 0 | 0 |
| February | 15.8 | W. | 65 | W. | 5 | 14 | 6 | 0 | 1 | 4 | 5 | 22 | 6 | 0 | 10 | 6 | 13 | 16 | 10 | 15 | 11 | 0 | 2 | 15 | 0 | 26 | 0 | 0 |
| March | 15.8 | NW. | 49 | NW. | 6 | 14 | 9 | 1 | 2 | 2 | 4 | 18 | 12 | 0 | 11 | 11 | 9 | 14 | 10 | 16 | 13 | 0 | 0 | 14 | 0 | 25 | 0 | 1 |
| April | 14.5 | NW. | 48 | NW. | 4 | 13 | 8 | 3 | 1 | 8 | 2 | 11 | 14 | 0 | 8 | 8 | 14 | 14 | 12 | 6 | 4 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| May | 13.2 | S. | 50 | NW. | 4 | 4 | 3 | 4 | 6 | 14 | 6 | 11 | 14 | 0 | 6 | 16 | 9 | 14 | 10 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 |
| June | 11.7 | NW. | 45 | NW. | 2 | 8 | 9 | 3 | 9 | 11 | 1 | 4 | 15 | 0 | 8 | 9 | 13 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| July | 10.5 | SW. | 36 | NW. | 0 | 5 | 6 | 2 | 7 | 13 | 17 | 8 | 4 | 0 | 6 | 10 | 15 | 16 | 13 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 5 | 0 |
| August | 9.8 | SW. | 46 | NW. | 1 | 7 | 5 | 5 | 1 | 9 | 17 | 10 | 8 | 0 | 12 | 13 | 6 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 1 |
| September | 11.8 | SW. | 36 | NW. | 0 | 4 | 3 | 2 | 3 | 11 | 16 | 7 | 13 | 1 | 14 | 12 | 4 | 10 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| October | 12.4 | SW. | 60 | NW. | 5 | 11 | 1 | 1 | 3 | 12 | 12 | 8 | 14 | 0 | 13 | 11 | 7 | 7 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| November | 12.8 | W. | 48 | NW. | 4 | 8 | 2 | 2 | 3 | 8 | 12 | 16 | 9 | 0 | 15 | 6 | 9 | 10 | 7 | 5 | 2 | 0 | 0 | 1 | 0 | 14 | 0 | 0 |
| December | 16.4 | NW. | 82 | W. | 9 | 4 | 3 | 0 | 5 | 2 | 4 | 21 | 23 | 0 | 14 | 9 | 8 | 11 | 8 | 8 | 4 | 0 | 1 | 9 | 0 | 24 | 0 | 0 |
| Year | 13.2 | NW. | 82 | W. | 46 | 97 | 58 | 23 | 44 | 99 | 114 | 147 | 149 | 1 | 128 | 117 | 121 | 149 | 107 | 58 | 37 | 0 | 12 | 47 | 6 | 116 | 17 | 2 |

PUEBLO, COLO.

[$H_b$=4,685 ft.; $h_t$=80 ft.; $h_r$=72 ft.; $h_a$=86 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.4 | NW. | 56 | W. | 3 | 2 | 9 | 14 | 12 | 0 | 4 | 8 | 13 | 0 | 15 | 9 | 7 | 8 | 1 | 10 | 8 | 0 | 0 | 11 | 0 | 28 | 0 | 0 |
| February | 5.9 | NW. | 32 | W. | 0 | 2 | 2 | 12 | 12 | 0 | 3 | 4 | 23 | 0 | 20 | 8 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 29 | 0 | 0 |
| March | 9.3 | NW. | 50 | W. | 3 | 4 | 7 | 8 | 8 | 0 | 7 | 12 | 16 | 0 | 18 | 10 | 3 | 4 | 4 | 5 | 1 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| April | 6.6 | SE. | 39 | W. | 0 | 5 | 5 | 9 | 15 | 1 | 8 | 7 | 10 | 0 | 6 | 17 | 7 | 10 | 8 | 8 | 5 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| May | 7.7 | NW. | 44 | NW. | 2 | 11 | 1 | 8 | 8 | 2 | 11 | 2 | 19 | 0 | 15 | 12 | 4 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 |
| June | 7.2 | SE. | 37 | E. | 0 | 6 | 4 | 14 | 9 | 1 | 6 | 5 | 15 | 0 | 17 | 11 | 2 | 5 | 3 | 0 | 0 | 3 | 0 | 0 | 10 | 0 | 7 | 0 |
| July | 5.7 | NW. | 30 | NW. | 0 | 8 | 5 | 8 | 6 | 1 | 4 | 6 | 22 | 2 | 17 | 11 | 3 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 12 | 0 |
| August | 5.5 | SE. | 29 | NE. | 0 | 8 | 6 | 8 | 11 | 0 | 6 | 7 | 15 | 1 | 11 | 18 | 2 | 12 | 10 | 0 | 0 | 1 | 1 | 0 | 7 | 0 | 14 | 0 |
| September | 6.2 | NW. | 33 | NW. | 0 | 7 | 3 | 11 | 16 | 0 | 2 | 4 | 16 | 1 | 23 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 1 | 0 |
| October | 5.9 | NW. | 43 | W. | 1 | 10 | 5 | 4 | 12 | 1 | 7 | 10 | 13 | 0 | 18 | 6 | 7 | 4 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 8 | 1 | 0 |
| November | 6.6 | NW. | 36 | NW. | 0 | 4 | 6 | 10 | 10 | 2 | 3 | 11 | 13 | 1 | 23 | 4 | 3 | 4 | 3 | 5 | 4 | 0 | 0 | 2 | 0 | 23 | 0 | 0 |
| December | 8.6 | NW. | 42 | W. | 3 | 5 | 6 | 7 | 6 | 0 | 5 | 13 | 20 | 0 | 24 | 5 | 2 | 4 | 3 | 7 | 4 | 0 | 0 | 6 | 0 | 28 | 0 | 0 |
| Year | 6.9 | NW. | 56 | W. | 12 | 72 | 59 | 113 | 125 | 8 | 66 | 89 | 195 | 5 | 207 | 118 | 41 | 62 | 42 | 42 | 25 | 5 | 1 | 22 | 44 | 141 | 36 | 0 |

RALEIGH, N. C.

[$H_b$=376 ft.; $h_t$=103 ft.; $h_r$=94 ft.; $h_a$=110 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.6 | SW. | 28 | NW. | 0 | 7 | 13 | 5 | 4 | 4 | 20 | 5 | 4 | 0 | 7 | 8 | 16 | 14 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 10 | 0 | 0 |
| February | 9.0 | SW. | 36 | NW. | 0 | 9 | 11 | 3 | 1 | 3 | 16 | 4 | 11 | 0 | 11 | 9 | 9 | 10 | 8 | 5 | 4 | 0 | 1 | 1 | 0 | 16 | 2 | 0 |
| March | 10.6 | SW. | 42 | W. | 1 | 9 | 9 | 1 | 7 | 6 | 17 | 6 | 7 | 0 | 8 | 13 | 10 | 9 | 9 | 1 | 0 | 1 | 2 | 0 | 0 | 12 | 2 | 0 |
| April | 9.3 | SW. | 38 | NW. | 0 | 7 | 14 | 6 | 1 | 2 | 14 | 6 | 9 | 1 | 8 | 13 | 9 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 8.5 | SW. | 34 | NW. | 0 | 4 | 12 | 5 | 5 | 8 | 17 | 5 | 6 | 0 | 11 | 13 | 7 | 11 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 8 | 0 |
| June | 6.6 | SW. | 40 | SW. | 1 | 5 | 10 | 5 | 4 | 8 | 15 | 9 | 4 | 0 | 7 | 18 | 5 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 17 | 0 |
| July | 7.2 | SW. | 31 | SE. | 0 | 3 | 10 | 5 | 7 | 12 | 19 | 5 | 1 | 0 | 4 | 13 | 14 | 14 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| August | 6.0 | SW. | 36 | NW. | 0 | 6 | 17 | 5 | 4 | 4 | 11 | 11 | 3 | 1 | 12 | 14 | 5 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 8 | 0 |
| September | 6.9 | NE. | 25 | NE. | 0 | 6 | 18 | 7 | 2 | 9 | 8 | 2 | 5 | 3 | 15 | 9 | 6 | 9 | 7 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 2 | 0 |
| October | 8.7 | NE. | 28 | SW. | 0 | 8 | 32 | 4 | 2 | 2 | 11 | 3 | 0 | 0 | 16 | 8 | 7 | 5 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| November | 7.3 | NE. | 32 | SW. | 0 | 14 | 11 | 5 | 3 | 4 | 11 | 6 | 5 | 1 | 17 | 6 | 7 | 6 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 6 | 0 | 0 |
| December | 7.9 | SW. | 46 | SW. | 1 | 6 | 10 | 5 | 2 | 5 | 17 | 6 | 10 | 1 | 13 | 11 | 7 | 11 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 14 | 0 | 0 |
| Year | 8.1 | SW. | 46 | SW. | 3 | 84 | 167 | 56 | 42 | 67 | 176 | 68 | 65 | 7 | 129 | 135 | 102 | 123 | 99 | 8 | 6 | 1 | 11 | 1 | 22 | 58 | 48 | 0 |

RAPID CITY, S. DAK.

[$H_b$=3,234 ft.; $h_t$=50 ft.; $h_r$=43 ft.; $h_a$=58 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.7 | W. | 48 | SW. | 4 | 16 | 8 | 2 | 4 | 2 | 4 | 18 | 8 | 0 | 14 | 12 | 5 | 7 | 4 | 8 | 7 | 0 | 0 | 19 | 0 | 30 | 0 | 0 |
| February | 9.0 | N. | 37 | N. | 0 | 17 | 10 | 3 | 7 | 3 | 0 | 14 | 4 | 0 | 11 | 10 | 8 | 4 | 3 | 10 | 4 | 0 | 0 | 13 | 0 | 27 | 0 | 0 |
| March | 10.8 | N. | 48 | N. | 2 | 22 | 0 | 5 | 8 | 3 | 2 | 13 | 8 | 1 | 6 | 15 | 10 | 9 | 5 | 9 | 7 | 0 | 0 | 3 | 0 | 24 | 0 | 0 |
| April | 10.2 | N. | 44 | N. | 3 | 16 | 5 | 3 | 6 | 6 | 0 | 8 | 16 | 0 | 8 | 9 | 13 | 11 | 6 | 6 | 4 | 0 | 0 | 2 | 0 | 12 | 3 | 0 |
| May | 10.0 | N. | 50 | N. | 3 | 15 | 8 | 3 | 5 | 2 | 1 | 13 | 14 | 1 | 9 | 14 | 8 | 14 | 11 | 5 | 4 | 2 | 0 | 0 | 0 | 2 | 3 | 0 |
| June | 8.7 | N. | 39 | NW. | 0 | 11 | 4 | 4 | 13 | 4 | 1 | 13 | 10 | 0 | 8 | 13 | 9 | 16 | 11 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 13 | 0 |
| July | 7.3 | S. | 30 | NW. | 0 | 4 | 5 | 4 | 6 | 14 | 2 | 14 | 13 | 0 | 17 | 13 | 1 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 11 | 0 |
| August | 6.7 | N. | 36 | SW. | 0 | 13 | 7 | 5 | 7 | 6 | 6 | 15 | 3 | 0 | 13 | 11 | 7 | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 12 | 0 |
| September | 9.0 | W. | 40 | N. | 1 | 7 | 2 | 2 | 7 | 6 | 3 | 22 | 11 | 0 | 21 | 5 | 4 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 |
| October | 8.6 | N. | 37 | N. | 0 | 19 | 4 | 3 | 4 | 5 | 3 | 11 | 13 | 0 | 10 | 10 | 11 | 9 | 5 | 5 | 3 | 0 | 1 | 0 | 0 | 12 | 0 | 0 |
| November | 8.4 | W. | 39 | NW. | 0 | 10 | 1 | 2 | 1 | 5 | 1 | 20 | 20 | 0 | 13 | 10 | 7 | 6 | 4 | 5 | 5 | 0 | 0 | 4 | 0 | 21 | 0 | 0 |
| December | 8.1 | W. | 44 | N. | 1 | 13 | 3 | 1 | 8 | 3 | 3 | 21 | 10 | 0 | 9 | 12 | 10 | 9 | 6 | 13 | 9 | 0 | 0 | 20 | 0 | 29 | 0 | 0 |
| Year | 8.8 | W. | 50 | N. | 14 | 163 | 57 | 37 | 76 | 59 | 26 | 182 | 130 | 2 | 139 | 134 | 93 | 111 | 70 | 61 | 43 | 2 | 3 | 61 | 23 | 157 | 46 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

READING, PA.

[$\phi$=40° 20′ N.; $\lambda$=75° 58′ 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 | 29.892 | 30.290 | 29.280 | 32.7 | 37.2 | 43.2 | 28.3 | 35.8 | 71 | 7 | 25 | 26 | 74 | 64 | 0.156 | 0.162 | 1.73 | 0.44 | 7.0 | 4.5 | 6.8 |
| February | 29.690 | 30.250 | 28.820 | 25.5 | 29.5 | 34.7 | 21.1 | 27.9 | 55 | 2 | 19 | 20 | 74 | 66 | .111 | .112 | 3.64 | 1.32 | 6.8 | 5.4 | 6.9 |
| March | 29.597 | 30.050 | 28.814 | 29.7 | 35.2 | 40.7 | 25.6 | 33.2 | 69 | 5 | 20 | 24 | 67 | 62 | .117 | .133 | 3.93 | 1.27 | 6.3 | 4.0 | 6.5 |
| April | 29.606 | 29.940 | 29.041 | 45.3 | 51.3 | 58.7 | 41.4 | 50.0 | 77 | 31 | 31 | 34 | 68 | 56 | .204 | .206 | 3.97 | 1.23 | 6.1 | 5.7 | 7.2 |
| May | 29.590 | 29.988 | 29.150 | 58.9 | 64.9 | 72.1 | 54.2 | 63.2 | 87 | 42 | 46 | 47 | 64 | 55 | .327 | .344 | 2.82 | 1.27 | 6.3 | 5.8 | 6.5 |
| June | 29.604 | 29.861 | 29.280 | 62.5 | 68.0 | 74.9 | 57.6 | 66.2 | 85 | 49 | 54 | 56 | 75 | 67 | .428 | .451 | 4.51 | 1.90 | 6.1 | 6.4 | 6.8 |
| July | 29.672 | 30.000 | 29.270 | 72.7 | 76.4 | 85.1 | 67.4 | 76.2 | 94 | 57 | 66 | 66 | 79 | 73 | .644 | .662 | 12.41 | 5.28 | 5.5 | 7.3 | 7.4 |
| August | 29.666 | 29.950 | 29.340 | 69.9 | 75.4 | 84.8 | 64.5 | 74.6 | 98 | 52 | 63 | 63 | 78 | 66 | .581 | .584 | 1.56 | .63 | 3.1 | 4.4 | 4.6 |
| September | 29.733 | 30.135 | 29.420 | 61.1 | 66.7 | 76.5 | 55.3 | 65.9 | 90 | 41 | 53 | 54 | 76 | 63 | .427 | .433 | 2.62 | 1.08 | 2.8 | 3.2 | 4.2 |
| October | 29.810 | 30.153 | 29.210 | 48.2 | 57.1 | 66.0 | 43.8 | 54.9 | 84 | 33 | 41 | 45 | 78 | 66 | .277 | .326 | 1.24 | .90 | 2.7 | 2.8 | 3.8 |
| November | 29.801 | 30.170 | 28.940 | 39.2 | 44.6 | 51.7 | 35.5 | 43.6 | 73 | 24 | 30 | 33 | 71 | 65 | .178 | .200 | 1.95 | 1.11 | 4.6 | 3.2 | 5.2 |
| December | 29.662 | 30.180 | 28.910 | 29.8 | 33.4 | 38.3 | 26.5 | 32.4 | 67 | 11 | 22 | 23 | 70 | 65 | .123 | .124 | 4.07 | 1.35 | 5.3 | 4.1 | 5.5 |
| Year | 29.694 | 30.290 | 28.814 | 48.0 | 53.3 | 60.6 | 43.4 | 52.0 | 98 | 2 | 39 | 41 | 73 | 64 | .298 | .311 | 44.45 | 5.28 | 5.2 | 4.7 | 6.0 |

RED BLUFF, CAL.

[$\phi$=40° 10′ N.; $\lambda$=122° 15′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.567 | 30.250 | 28.630 | 38.1 | 43.8 | 45.2 | 36.7 | 41.0 | 53 | 29 | 35 | 37 | 89 | 78 | 0.210 | 0.222 | 7.25 | 2.41 | 7.7 | 7.3 | 7.7 |
| February | 29.734 | 30.300 | 29.240 | 47.4 | 60.0 | 61.4 | 45.9 | 53.6 | 77 | 36 | 43 | 46 | 85 | 64 | .281 | .322 | 1.73 | .68 | 5.2 | 6.8 | 6.3 |
| March | 29.713 | 30.120 | 29.210 | 47.7 | 65.6 | 66.8 | 46.0 | 56.4 | 89 | 34 | 40 | 41 | 76 | 45 | .252 | .269 | 1.25 | .68 | 2.8 | 4.1 | 3.7 |
| April | 29.675 | 29.909 | 29.388 | 51.3 | 73.3 | 74.9 | 50.1 | 62.5 | 87 | 42 | 38 | 36 | 63 | 26 | .233 | .216 | .04 | .02 | 2.2 | 3.2 | 2.5 |
| May | 29.597 | 29.970 | 29.330 | 52.6 | 74.9 | 76.3 | 51.0 | 63.6 | 88 | 35 | 38 | 31 | 60 | 22 | .234 | .184 | .48 | .21 | 2.4 | 3.2 | 2.8 |
| June | 29.531 | 29.800 | 29.246 | 61.3 | 85.1 | 86.4 | 60.3 | 73.4 | 102 | 47 | 41 | 38 | 50 | 22 | .263 | .235 | 1.14 | 1.39 | 2.4 | 2.6 | 2.7 |
| July | 29.496 | 29.720 | 29.230 | 66.0 | 92.9 | 94.2 | 65.4 | 79.8 | 106 | 54 | 47 | 39 | 53 | 17 | .331 | .244 | .68 | .36 | 0.7 | 0.8 | 0.8 |
| August | 29.501 | 29.740 | 29.280 | 66.1 | 92.2 | 93.6 | 65.2 | 79.4 | 113 | 56 | 46 | 40 | 52 | 19 | .327 | .263 | T. | T. | 1.5 | 1.6 | 1.5 |
| September | 29.549 | 29.720 | 29.330 | 61.4 | 85.6 | 87.4 | 58.8 | 73.1 | 98 | 48 | 41 | 39 | 51 | 22 | .272 | .250 | .08 | .06 | 0.9 | 1.4 | 1.7 |
| October | 29.654 | 30.030 | 29.300 | 50.2 | 69.0 | 71.4 | 47.5 | 59.4 | 83 | 38 | 41 | 41 | 75 | 40 | .270 | .268 | 2.60 | 1.06 | 1.7 | 1.9 | 2.3 |
| November | 29.815 | 30.100 | 29.420 | 41.8 | 57.6 | 60.5 | 38.8 | 49.6 | 73 | 29 | 30 | 29 | 66 | 39 | .181 | .177 | 1.28 | 1.00 | 1.9 | 3.4 | 3.2 |
| December | 29.699 | 30.180 | 28.890 | 38.0 | 49.3 | 52.7 | 35.5 | 44.1 | 67 | 27 | 33 | 34 | 82 | 60 | .193 | .207 | 3.56 | 1.01 | 3.7 | 4.7 | 4.4 |
| Year | 29.628 | 30.300 | 28.630 | 51.8 | 70.8 | 72.6 | 50.1 | 61.3 | 113 | 27 | 39 | 38 | 67 | 38 | .254 | .238 | 20.09 | 2.41 | 2.8 | 3.4 | 3.3 |

RENO, NEV.

[$\phi$=39° 32′ N.; $\lambda$=119° 49′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 25.269 | 25.880 | 24.480 | 19.2 | 27.8 | 33.0 | 12.7 | 22.8 | 48 | −17 | 15 | 20 | 84 | 74 | 0.094 | 0.111 | 6.76 | 1.76 | 6.4 | 6.9 | 6.8 |
| February | 25.529 | 25.870 | 25.000 | 32.6 | 48.0 | 52.2 | 29.9 | 41.0 | 61 | 4 | 28 | 30 | 81 | 50 | .151 | .165 | .59 | .25 | 4.1 | 6.7 | 5.2 |
| March | 25.501 | 25.830 | 24.918 | 35.9 | 50.8 | 61.1 | 32.7 | 46.9 | 79 | 20 | 25 | 22 | 66 | 28 | .137 | .120 | .33 | .21 | 3.0 | 4.8 | 3.5 |
| April | 25.492 | 25.750 | 25.243 | 38.4 | 59.8 | 64.2 | 36.0 | 50.1 | 75 | 28 | 27 | 24 | 62 | 27 | .143 | .130 | .11 | .10 | 2.3 | 4.2 | 2.6 |
| May | 25.409 | 25.610 | 25.037 | 40.2 | 61.8 | 65.9 | 38.0 | 52.0 | 82 | 27 | 29 | 23 | 63 | 24 | .158 | .127 | T. | T. | 2.5 | 3.6 | 2.7 |
| June | 25.436 | 25.610 | 25.230 | 47.0 | 74.0 | 77.8 | 45.9 | 61.8 | 96 | 34 | 33 | 30 | 59 | 21 | .189 | .165 | .11 | .11 | 1.4 | 3.7 | 2.3 |
| July | 25.451 | 25.670 | 25.261 | 51.6 | 82.3 | 86.3 | 50.4 | 68.4 | 98 | 41 | 35 | 31 | 54 | 16 | .207 | .174 | T. | T. | 0.5 | 0.8 | 0.5 |
| August | 25.465 | 25.680 | 25.270 | 51.3 | 79.5 | 85.0 | 49.3 | 67.2 | 94 | 38 | 36 | 31 | 56 | 19 | .211 | .178 | .04 | .04 | 1.5 | 2.7 | 1.9 |
| September | 25.481 | 25.657 | 25.200 | 46.4 | 75.0 | 79.3 | 44.1 | 61.7 | 89 | 33 | 33 | 31 | 60 | 21 | .187 | .175 | .35 | .33 | 1.2 | 2.3 | 1.5 |
| October | 25.497 | 25.840 | 25.080 | 35.3 | 56.7 | 60.8 | 33.0 | 46.9 | 76 | 24 | 27 | 28 | 71 | 36 | .150 | .153 | 1.13 | .40 | 2.9 | 3.4 | 3.4 |
| November | 25.598 | 25.870 | 25.210 | 27.2 | 45.3 | 52.3 | 23.0 | 37.6 | 76 | 8 | 19 | 19 | 69 | 34 | .102 | .103 | .05 | .04 | 1.9 | 2.7 | 2.5 |
| December | 25.435 | 25.910 | 24.690 | 25.5 | 35.0 | 42.3 | 20.2 | 31.2 | 56 | 4 | 19 | 20 | 76 | 56 | .102 | .111 | .97 | .29 | 4.2 | 5.2 | 4.8 |
| Year | 25.464 | 25.910 | 24.480 | 37.6 | 58.5 | 63.4 | 34.6 | 49.0 | 96 | −17 | 27 | 26 | 67 | 34 | .153 | .143 | 10.44 | 1.76 | 2.7 | 3.9 | 3.1 |

RICHMOND, VA.

[$\phi$=37° 32′ N.; $\lambda$=77° 27′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.118 | 30.510 | 29.600 | 38.7 | 45.4 | 53.9 | 34.1 | 44.0 | 74 | 12 | 33 | 35 | 81 | 68 | 0.221 | 0.232 | 1.51 | 0.70 | 6.5 | 5.6 | 6.2 |
| February | 29.899 | 30.530 | 29.130 | 32.5 | 40.0 | 49.0 | 28.5 | 38.8 | 69 | 8 | 25 | 27 | 75 | 60 | .152 | .160 | 3.68 | 1.11 | 6.0 | 5.1 | 5.9 |
| March | 29.786 | 30.270 | 29.140 | 36.6 | 44.4 | 54.5 | 32.2 | 43.4 | 79 | 14 | 28 | 30 | 70 | 57 | .164 | .183 | 1.57 | .77 | 4.1 | 4.1 | 5.2 |
| April | 29.812 | 30.170 | 29.300 | 50.8 | 57.6 | 66.6 | 45.1 | 55.8 | 87 | 33 | 41 | 41 | 71 | 58 | .265 | .270 | 1.94 | .61 | 5.0 | 4.2 | 5.3 |
| May | 29.795 | 30.128 | 29.410 | 65.7 | 70.7 | 80.6 | 58.8 | 69.7 | 93 | 47 | 55 | 55 | 71 | 62 | .457 | .463 | 4.74 | 1.76 | 4.2 | 5.1 | 4.6 |
| June | 29.786 | 30.070 | 29.410 | 67.4 | 72.0 | 81.1 | 62.3 | 71.7 | 89 | 53 | 61 | 63 | 82 | 75 | .554 | .585 | 8.72 | 2.36 | 5.2 | 5.5 | 5.2 |
| July | 29.871 | 30.140 | 29.510 | 74.2 | 77.3 | 86.2 | 68.8 | 77.5 | 91 | 62 | 69 | 70 | 84 | 78 | .714 | .732 | 5.39 | 1.57 | 5.5 | 6.0 | 5.7 |
| August | 29.865 | 30.100 | 29.500 | 71.6 | 75.6 | 85.7 | 66.5 | 76.1 | 92 | 57 | 66 | 67 | 84 | 73 | .656 | .674 | 1.55 | .52 | 4.6 | 4.6 | 4.2 |
| September | 29.937 | 30.260 | 29.660 | 62.7 | 67.9 | 79.3 | 57.2 | 68.2 | 93 | 42 | 57 | 57 | 82 | 70 | .487 | .490 | 2.01 | .60 | 3.6 | 3.1 | 3.3 |
| October | 30.002 | 30.267 | 29.470 | 52.9 | 60.6 | 71.9 | 48.6 | 60.2 | 90 | 37 | 47 | 50 | 83 | 69 | .352 | .382 | 1.44 | 1.24 | 4.0 | 3.2 | 4.3 |
| November | 30.025 | 30.440 | 29.300 | 41.9 | 49.1 | 60.1 | 36.9 | 48.5 | 77 | 22 | 36 | 36 | 80 | 60 | .234 | .227 | 1.31 | .51 | 3.6 | 2.4 | 4.2 |
| December | 29.904 | 30.380 | 29.160 | 33.5 | 39.1 | 48.2 | 29.5 | 38.8 | 72 | 12 | 27 | 27 | 78 | 53 | .162 | .158 | 3.40 | 1.28 | 4.3 | 3.2 | 5.0 |
| Year | 29.900 | 30.530 | 29.130 | 52.4 | 58.4 | 68.1 | 47.4 | 57.7 | 93 | 8 | 45 | 46 | 78 | 66 | .368 | .380 | 37.26 | 2.36 | 4.7 | 4.3 | 4.9 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

READING, PA.

[$H_b$=325 ft.; $h_t$=81 ft.; $h_r$=73 ft.; $h_a$=98 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 7.8 | NW. | 29 | NW. | 0 | 10 | 3 | 0 | 6 | 9 | 11 | 7 | 16 | 0 | 7 | 7 | 17 | 14 | 10 | 4 | 1 | 0 | 4 | 7 | 0 | 20 | 0 | 0 |
| February | 8.9 | NW. | 36 | NW. | 0 | 10 | 4 | 2 | 6 | 2 | 5 | 4 | 25 | 0 | 7 | 4 | 18 | 14 | 7 | 13 | 9 | 0 | 0 | 12 | 0 | 27 | 0 | 0 |
| March | 8.8 | NW. | 31 | NW. | 0 | 14 | 6 | 3 | 11 | 5 | 4 | 2 | 17 | 0 | 7 | 9 | 15 | 11 | 11 | 13 | 6 | 0 | 0 | 6 | 0 | 23 | 2 | 0 |
| April | 8.1 | NW. | 37 | NW. | 0 | 7 | 8 | 2 | 16 | 3 | 5 | 6 | 13 | 0 | 3 | 9 | 18 | 14 | 8 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 3 | 0 |
| May | 7.5 | SE. | 30 | N. | 0 | 4 | 4 | 2 | 11 | 9 | 6 | 12 | 14 | 0 | 5 | 10 | 16 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| June | 7.1 | SE. | 33 | E. | 0 | 5 | 4 | 5 | 17 | 5 | 6 | 7 | 11 | 0 | 5 | 11 | 14 | 13 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| July | 6.1 | SE. | 29 | E. | 0 | 10 | 4 | 1 | 24 | 7 | 5 | 9 | 2 | 0 | 3 | 10 | 18 | 14 | 11 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 10 | 0 |
| August | 5.1 | SW. | 27 | N. | 0 | 8 | 2 | 0 | 10 | 14 | 13 | 8 | 7 | 0 | 13 | 11 | 7 | 7 | 5 | 0 | 0 | 1 | 1 | 0 | 6 | 0 | 4 | 0 |
| September | 6.0 | SW. | 29 | NW. | 0 | 7 | 2 | 0 | 7 | 19 | 5 | 8 | 12 | 0 | 13 | 13 | 4 | 7 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 4 | 0 |
| October | 5.9 | SW. | 31 | SE. | 0 | 10 | 2 | 0 | 12 | 14 | 7 | 6 | 9 | 2 | 18 | 6 | 7 | 4 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 6.3 | NW. | 31 | NW. | 0 | 6 | 6 | 2 | 5 | 7 | 11 | 9 | 13 | 1 | 12 | 5 | 13 | 5 | 4 | 2 | 0 | 0 | 1 | 1 | 0 | 11 | 0 | 0 |
| December | 8.2 | NW. | 36 | NW. | 0 | 5 | 0 | 1 | 12 | 2 | 6 | 7 | 29 | 0 | 11 | 8 | 12 | 14 | 10 | 11 | 7 | 0 | 0 | 10 | 0 | 24 | 1 | 0 |
| Year | 7.2 | NW. | 37 | NW. | 0 | 96 | 45 | 18 | 137 | 96 | 84 | 85 | 168 | 3 | 104 | 103 | 159 | 129 | 94 | 45 | 25 | 3 | 11 | 36 | 12 | 106 | 36 | 0 |

RED BLUFF, CAL.

[$H_b$=332 ft.; $h_t$=50 ft.; $h_r$=40 ft.; $h_a$=56 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.4 | SE. | 26 | S. | 0 | 8 | 0 | 0 | 26 | 9 | 3 | 3 | 12 | 1 | 5 | 6 | 20 | 22 | 16 | 5 | 4 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| February | 5.7 | SE. | 25 | SE. | 0 | 9 | 3 | 0 | 22 | 1 | 1 | 3 | 15 | 4 | 8 | 6 | 15 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| March | 6.3 | NW. | 25 | SE. | 0 | 8 | 2 | 0 | 13 | 13 | 1 | 5 | 19 | 1 | 17 | 6 | 8 | 7 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 6.6 | NW. | 30 | NW. | 0 | 7 | 1 | 3 | 13 | 8 | 0 | 5 | 22 | 1 | 20 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 7.5 | NW. | 31 | N. | 0 | 7 | 1 | 0 | 15 | 10 | 2 | 6 | 19 | 2 | 16 | 12 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| June | 6.3 | SE. | 26 | NW. | 0 | 7 | 1 | 1 | 23 | 9 | 1 | 2 | 14 | 2 | 19 | 6 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 1 | 0 |
| July | 5.1 | SE. | 22 | SE. | 0 | 11 | 0 | 0 | 26 | 1 | 2 | 0 | 17 | 5 | 27 | 3 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 |
| August | 4.6 | SE. | 22 | NW. | 0 | 4 | 1 | 1 | 29 | 3 | 1 | 4 | 15 | 4 | 26 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 1 | 0 |
| September | 5.4 | SE. | 30 | NW. | 0 | 7 | 0 | 3 | 24 | 6 | 0 | 2 | 16 | 2 | 24 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 |
| October | 3.8 | SE. | 18 | S. | 0 | 8 | 3 | 2 | 21 | 4 | 1 | 5 | 17 | 1 | 22 | 5 | 4 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 6.5 | NW. | 33 | NW. | 0 | 10 | 2 | 1 | 7 | 3 | 1 | 3 | 31 | 2 | 17 | 7 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| December | 5.9 | NW. | 27 | SE. | 0 | 8 | 3 | 2 | 18 | 5 | 0 | 4 | 22 | 0 | 17 | 5 | 9 | 9 | 8 | 1 | 1 | 2 | 1 | 0 | 0 | 8 | 2 | 0 |
| Year | 5.9 | SE. | 33 | NW. | 0 | 94 | 17 | 13 | 237 | 72 | 13 | 42 | 219 | 25 | 218 | 69 | 79 | 71 | 51 | 6 | 5 | 4 | 1 | 0 | 68 | 22 | 7 | 0 |

RENO, NEV.

[$H_b$=4,532 ft.; $h_t$=74 ft.; $h_r$=67 ft.; $h_a$=81 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 5.7 | W. | 39 | W. | 0 | 7 | 7 | 7 | 4 | 11 | 5 | 15 | 1 | 5 | 7 | 8 | 16 | 17 | 15 | 17 | 14 | 0 | 5 | 13 | 0 | 31 | 0 | 0 |
| February | 5.3 | W. | 33 | W. | 0 | 7 | 3 | 4 | 6 | 9 | 5 | 20 | 4 | 0 | 9 | 10 | 10 | 6 | 3 | 4 | 2 | 0 | 0 | 1 | 0 | 19 | 0 | 0 |
| March | 7.6 | W. | 39 | SE. | 0 | 1 | 3 | 4 | 5 | 3 | 7 | 29 | 10 | 0 | 15 | 11 | 5 | 5 | 2 | 4 | 2 | 0 | 0 | 0 | 0 | 15 | 0 | 0 |
| April | 8.1 | W. | 33 | W. | 0 | 6 | 4 | 0 | 0 | 1 | 10 | 29 | 7 | 3 | 22 | 6 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| May | 9.1 | W. | 52 | SW. | 1 | 7 | 4 | 2 | 2 | 2 | 4 | 34 | 6 | 1 | 23 | 3 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| June | 7.6 | W. | 36 | W. | 0 | 3 | 3 | 1 | 6 | 5 | 7 | 30 | 5 | 0 | 22 | 7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| July | 7.5 | W. | 33 | W. | 0 | 2 | 2 | 1 | 3 | 0 | 7 | 43 | 4 | 0 | 30 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| August | 6.5 | W. | 36 | SW. | 0 | 1 | 3 | 2 | 2 | 2 | 4 | 42 | 3 | 3 | 25 | 3 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 0 |
| September | 5.9 | W. | 32 | W. | 0 | 2 | 4 | 4 | 6 | 3 | 4 | 34 | 1 | 2 | 24 | 4 | 2 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| October | 5.2 | W. | 36 | W. | 0 | 4 | 6 | 9 | 3 | 1 | 7 | 26 | 4 | 2 | 20 | 2 | 9 | 7 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 15 | 1 | 0 |
| November | 5.9 | W. | 38 | W. | 0 | 3 | 6 | 7 | 3 | 2 | 11 | 25 | 3 | 0 | 22 | 6 | 2 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 26 | 0 | 0 |
| December | 6.9 | W. | 44 | SE. | 3 | 4 | 3 | 2 | 10 | 6 | 11 | 20 | 6 | 0 | 12 | 11 | 8 | 10 | 8 | 11 | 8 | 0 | 0 | 6 | 0 | 27 | 0 | 0 |
| Year | 6.8 | W. | 52 | SW. | 4 | 47 | 48 | 43 | 50 | 45 | 82 | 347 | 54 | 16 | 231 | 72 | 63 | 54 | 40 | 45 | 30 | 1 | 5 | 20 | 23 | 141 | 5 | 0 |

RICHMOND, VA.

[$H_b$=144 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=52 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.6 | S. | 37 | SW. | 0 | 5 | 11 | 1 | 6 | 17 | 11 | 2 | 8 | 1 | 7 | 10 | 14 | 9 | 5 | 2 | 1 | 0 | 1 | 3 | 0 | 14 | 0 | 0 |
| February | 10.2 | S. | 37 | SW. | 0 | 9 | 8 | 2 | 7 | 12 | 9 | 3 | 8 | 0 | 7 | 10 | 12 | 10 | 8 | 4 | 4 | 0 | 0 | 1 | 0 | 19 | 0 | 0 |
| March | 9.8 | NE. | 39 | NW. | 0 | 8 | 10 | 9 | 7 | 6 | 8 | 2 | 10 | 2 | 10 | 13 | 8 | 13 | 9 | 5 | 4 | 1 | 2 | 0 | 0 | 17 | 3 | 0 |
| April | 9.4 | S. | 46 | SW. | 2 | 10 | 9 | 3 | 5 | 12 | 8 | 6 | 7 | 0 | 10 | 12 | 8 | 8 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 8.2 | SW. | 38 | NW. | 0 | 7 | 5 | 10 | 6 | 10 | 17 | 4 | 5 | 1 | 15 | 10 | 6 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| June | 6.7 | SE. | 38 | NW. | 0 | 10 | 9 | 5 | 14 | 11 | 7 | 1 | 3 | 0 | 9 | 13 | 8 | 17 | 15 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 12 | 0 |
| July | 7.4 | S. | 27 | NE. | 0 | 4 | 9 | 2 | 8 | 18 | 14 | 3 | 3 | 1 | 9 | 12 | 10 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 |
| August | 5.8 | S. | 26 | N. | 0 | 5 | 13 | 5 | 5 | 15 | 15 | 0 | 4 | 0 | 14 | 11 | 6 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 7 | 1 |
| September | 7.2 | NE. | 31 | NW. | 0 | 9 | 13 | 3 | 9 | 12 | 9 | 1 | 4 | 0 | 19 | 4 | 7 | 8 | 7 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 4 | 0 |
| October | 7.9 | NE. | 32 | S. | 0 | 11 | 20 | 3 | 7 | 10 | 5 | 0 | 5 | 1 | 14 | 8 | 9 | 4 | 3 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 1 | 0 |
| November | 7.3 | S. | 46 | SW. | 1 | 3 | 8 | 4 | 7 | 18 | 10 | 0 | 10 | 0 | 17 | 4 | 9 | 7 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 9 | 0 | 0 |
| December | 8.0 | SW. | 40 | W. | 1 | 4 | 11 | 4 | 6 | 9 | 22 | 2 | 4 | 0 | 15 | 6 | 10 | 11 | 9 | 4 | 3 | 0 | 4 | 3 | 0 | 17 | 1 | 0 |
| Year | 8.1 | S. | 46 | SW. | 4 | 85 | 126 | 51 | 87 | 150 | 135 | 21 | 71 | 6 | 146 | 113 | 107 | 120 | 97 | 17 | 12 | 1 | 16 | 7 | 18 | 76 | 46 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

ROCHESTER, N. Y.

[$\phi$=43° 8′ N.; $\lambda$=77° 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 | 29.555 | 30.100 | 28.810 | 30.0 | 33.0 | 40.6 | 24.2 | 32.4 | 63 | 2 | 23 | 24 | 76 | 69 | 0.143 | 0.146 | 2.13 | 0.80 | 8.1 | 7.1 | 8.4 |
| February | 29.464 | 30.100 | 28.640 | 17.9 | 20.6 | 25.2 | 13.3 | 19.2 | 41 | 0 | 13 | 15 | 78 | 76 | .080 | .087 | 3.76 | 1.28 | 8.3 | 7.5 | 8.1 |
| March | 29.376 | 29.748 | 28.650 | 22.8 | 27.0 | 33.5 | 18.6 | 26.0 | 62 | −3 | 17 | 19 | 77 | 72 | .101 | .109 | 4.29 | 1.40 | 6.7 | 6.5 | 6.4 |
| April | 29.375 | 29.667 | 28.770 | 43.4 | 45.7 | 53.2 | 38.4 | 45.8 | 75 | 28 | 35 | 35 | 72 | 68 | .210 | .214 | 2.37 | 1.01 | 7.4 | 5.7 | 6.9 |
| May | 29.349 | 29.796 | 28.810 | 54.2 | 57.7 | 66.5 | 47.7 | 57.1 | 80 | 38 | 43 | 45 | 68 | 65 | .297 | .317 | 5.80 | 2.95 | 6.4 | 5.9 | 6.5 |
| June | 29.369 | 29.654 | 29.044 | 60.8 | 63.2 | 70.7 | 54.5 | 62.6 | 84 | 45 | 52 | 53 | 74 | 70 | .397 | .410 | 5.72 | 1.79 | 5.6 | 6.3 | 6.6 |
| July | 29.446 | 29.700 | 29.010 | 72.9 | 76.5 | 85.0 | 66.3 | 75.6 | 94 | 54 | 62 | 62 | 70 | 62 | .573 | .565 | .89 | .33 | 3.4 | 3.6 | 3.7 |
| August | 29.437 | 29.680 | 29.120 | 66.8 | 73.8 | 81.8 | 62.0 | 71.9 | 98 | 51 | 58 | 59 | 74 | 62 | .495 | .520 | 3.40 | 1.12 | 3.6 | 2.5 | 3.7 |
| September | 29.469 | 29.832 | 29.140 | 58.9 | 62.8 | 72.0 | 53.6 | 62.8 | 90 | 36 | 50 | 50 | 72 | 64 | .375 | .387 | 1.01 | .38 | 3.7 | 5.4 | 5.1 |
| October | 29.540 | 29.921 | 28.850 | 46.8 | 53.0 | 61.9 | 41.9 | 51.9 | 84 | 32 | 37 | 40 | 70 | 64 | .230 | .261 | 1.92 | .53 | 5.9 | 3.7 | 5.5 |
| November | 29.505 | 29.960 | 28.567 | 36.7 | 39.2 | 45.8 | 33.1 | 39.4 | 74 | 20 | 29 | 30 | 73 | 71 | .163 | .175 | 1.76 | .65 | 7.6 | 5.2 | 7.1 |
| December | 29.385 | 30.000 | 28.790 | 27.0 | 28.6 | 34.4 | 22.0 | 28.2 | 65 | 8 | 20 | 20 | 75 | 71 | .116 | .114 | 3.09 | 1.56 | 8.5 | 7.6 | 7.8 |
| Year | 29.439 | 30.100 | 28.567 | 44.8 | 48.4 | 55.9 | 39.6 | 47.7 | 98 | −3 | 37 | 38 | 73 | 68 | .265 | .275 | 36.14 | 2.95 | 6.3 | 5.6 | 6.3 |

ROSEBURG, OREG.

[$\phi$=43° 13′ N.; $\lambda$=123° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.311 | 30.020 | 28.790 | 32.9 | 38.0 | 40.6 | 31.1 | 35.8 | 55 | 21 | 31 | 32 | 91 | 81 | 0.171 | 0.186 | 6.15 | 1.01 | 6.6 | 8.5 | 7.5 |
| February | 29.511 | 29.990 | 28.890 | 43.3 | 55.3 | 56.3 | 41.3 | 48.8 | 70 | 31 | 41 | 43 | 92 | 65 | .261 | .282 | 5.01 | 2.03 | 5.6 | 4.8 | 6.0 |
| March | 29.544 | 29,960 | 28.900 | 42.0 | 55.8 | 58.0 | 38.8 | 48.4 | 72 | 30 | 38 | 40 | 86 | 58 | .232 | .252 | 4.95 | 1.71 | 7.1 | 5.9 | 6.2 |
| April | 29.600 | 29.940 | 29.293 | 41.5 | 63.1 | 65.5 | 39.6 | 52.6 | 80 | 32 | 38 | 37 | 89 | 41 | .235 | .226 | 2.28 | 1.14 | 5.3 | 4.4 | 4.4 |
| May | 29.543 | 29.930 | 29.160 | 44.3 | 63.3 | 65.7 | 42.7 | 54.2 | 83 | 34 | 41 | 40 | 87 | 46 | .255 | .256 | 2.05 | .50 | 7.1 | 4.8 | 5.1 |
| June | 29.486 | 29.758 | 29.111 | 49.0 | 72.8 | 75.0 | 47.7 | 61.4 | 98 | 37 | 45 | 44 | 86 | 40 | .303 | .300 | .91 | .58 | 5.1 | 3.4 | 3.8 |
| July | 29.514 | 29.740 | 29.261 | 52.7 | 75.8 | 77.5 | 52.0 | 64.8 | 92 | 45 | 49 | 51 | 88 | 44 | .352 | .378 | 2.22 | 1.52 | 5.2 | 3.3 | 3.8 |
| August | 29.456 | 29.720 | 29.255 | 54.6 | 82.1 | 83.5 | 53.0 | 68.2 | 101 | 42 | 52 | 54 | 90 | 39 | .384 | .421 | .36 | .35 | 4.7 | 1.1 | 2.4 |
| September | 29.484 | 29.800 | 29.200 | 51.6 | 73.7 | 76.2 | 49.1 | 62.6 | 93 | 42 | 49 | 50 | 90 | 46 | .346 | .368 | .59 | .38 | 4.4 | 2.7 | 3.8 |
| October | 29.561 | 29.920 | 29.200 | 38.7 | 62.6 | 65.3 | 36.5 | 50.9 | 76 | 29 | 36 | 40 | 90 | 45 | .215 | .248 | .43 | .20 | 2.3 | 3.0 | 2.7 |
| November | 29.665 | 30.010 | 29.144 | 37.2 | 47.6 | 51.5 | 34.2 | 42.8 | 67 | 18 | 34 | 37 | 89 | 68 | .207 | .229 | 4.62 | 1.65 | 4.6 | 5.1 | 5.1 |
| December | 29.512 | 30.064 | 28.710 | 36.7 | 40.8 | 43.6 | 34.4 | 39.0 | 53 | 28 | 34 | 36 | 90 | 84 | .197 | .211 | 3.88 | .70 | 8.4 | 7.2 | 7.4 |
| Year | 29.516 | 30.064 | 28.710 | 43.7 | 60.9 | 63.2 | 41.7 | 52.5 | 101 | 18 | 41 | 42 | 89 | 55 | .263 | .280 | 33.45 | 2.03 | 5.5 | 4.5 | 4.8 |

ROSWELL, N. MEX.

[$\phi$=33° 24′ N.; $\lambda$=104° 27′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 26.336 | 26.710 | 25.870 | 33.8 | 49.2 | 54.6 | 29.6 | 42.1 | 77 | 13 | 23 | 26 | 64 | 44 | 0.124 | 0.145 | 0.44 | 0.40 | 4.6 | 4.5 | 5.2 |
| February | 26.445 | 26.850 | 25.970 | 34.4 | 60.4 | 65.2 | 31.5 | 48.4 | 80 | 12 | 18 | 19 | 52 | 22 | .098 | .102 | T. | T. | 1.9 | 2.9 | 2.8 |
| March | 26.343 | 26.780 | 25.900 | 44.0 | 68.9 | 72.0 | 41.3 | 56.6 | 87 | 27 | 21 | 20 | 41 | 18 | .119 | .113 | .58 | .50 | 2.3 | 2.8 | 2.4 |
| April | 26.322 | 26.670 | 25.961 | 45.1 | 68.4 | 72.4 | 42.0 | 57.2 | 86 | 25 | 27 | 25 | 53 | 25 | .153 | .147 | 1.11 | .44 | 3.3 | 3.6 | 3.6 |
| May | 26.237 | 26.560 | 26.005 | 54.0 | 81.9 | 84.6 | 52.2 | 68.4 | 99 | 32 | 31 | 26 | 48 | 17 | .187 | .147 | .17 | .17 | 2.0 | 2.2 | 1.9 |
| June | 26.245 | 26.460 | 25.920 | 63.5 | 91.1 | 94.6 | 61.7 | 78.2 | 100 | 53 | 39 | 38 | 43 | 18 | .251 | .253 | .44 | .44 | 1.5 | 1.3 | 1.9 |
| July | 26.374 | 26.650 | 26.106 | 66.6 | 86.1 | 90.6 | 65.0 | 77.8 | 100 | 60 | 53 | 52 | 63 | 35 | .408 | .403 | 1.04 | .73 | 3.0 | 4.8 | 3.9 |
| August | 26.392 | 26.650 | 26.180 | 64.9 | 79.8 | 84.7 | 63.3 | 74.0 | 93 | 58 | 58 | 57 | 79 | 49 | .486 | .468 | 9.56 | 5.57 | 3.8 | 4.3 | 4.2 |
| September | 26.391 | 26.770 | 26.098 | 56.0 | 76.0 | 81.8 | 54.6 | 68.2 | 89 | 41 | 49 | 52 | 80 | 45 | .371 | .398 | .37 | .30 | 2.1 | 2.8 | 3.0 |
| October | 26.402 | 26.760 | 26.109 | 45.1 | 66.0 | 72.2 | 43.1 | 57.6 | 88 | 31 | 38 | 39 | 78 | 42 | .240 | .256 | 2.31 | 1.33 | 2.6 | 2.5 | 3.0 |
| November | 26.460 | 26.850 | 26.040 | 30.6 | 52.9 | 61.1 | 27.9 | 44.5 | 87 | 6 | 21 | 25 | 70 | 37 | .122 | .140 | .44 | .42 | 1.4 | 1.5 | 1.7 |
| December | 26.298 | 26.650 | 25.770 | 27.3 | 47.0 | 55.6 | 23.0 | 39.3 | 75 | 11 | 15 | 15 | 61 | 30 | .092 | .093 | .36 | .36 | 2.2 | 2.7 | 3.1 |
| Year | 26.354 | 26.850 | 25.770 | 47.1 | 69.0 | 74.1 | 44.6 | 59.4 | 100 | 6 | 33 | 33 | 61 | 32 | .221 | .222 | 16.82 | 5.57 | 2.6 | 3.0 | 3.1 |

SACRAMENTO, CAL.

[$\phi$=38° 35′ N.; $\lambda$=121° 30′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.895 | 30.550 | 28.868 | 40.4 | 46.7 | 48.6 | 38.5 | 43.6 | 57 | 31 | 38 | 39 | 90 | 76 | 0.229 | 0.245 | 9.35 | 3.21 | 6.2 | 6.6 | 7.2 |
| February | 30.035 | 30.560 | 29.710 | 48.8 | 59.9 | 61.0 | 46.7 | 53.8 | 70 | 35 | 46 | 48 | 91 | 67 | .316 | .347 | 2.45 | 1.19 | 4.8 | 5.6 | 5.4 |
| March | 30.009 | 30.370 | 29.640 | 48.9 | 65.0 | 66.1 | 47.1 | 56.6 | 79 | 37 | 44 | 44 | 84 | 50 | .297 | .310 | 1.06 | .75 | 2.6 | 2.6 | 2.6 |
| April | 29.959 | 30.170 | 29.723 | 49.8 | 72.4 | 74.0 | 48.1 | 61.0 | 85 | 41 | 45 | 43 | 85 | 37 | .300 | .288 | .06 | .06 | 1.4 | 1.3 | 1.2 |
| May | 29.888 | 30.200 | 29.660 | 50.0 | 72.2 | 74.1 | 48.7 | 61.4 | 85 | 37 | 44 | 39 | 82 | 34 | .294 | .254 | .10 | .05 | 2.2 | 1.4 | 1.3 |
| June | 29.831 | 30.100 | 29.610 | 54.1 | 81.2 | 82.6 | 53.3 | 68.0 | 98 | 44 | 50 | 46 | 87 | 31 | .363 | .321 | .01 | .01 | 1.1 | 1.0 | .8 |
| July | 29.785 | 29.980 | 29.590 | 59.4 | 88.9 | 90.1 | 58.2 | 74.2 | 105 | 52 | 52 | 50 | 78 | 28 | .388 | .360 | .07 | .07 | .3 | .1 | .2 |
| August | 29.797 | 30.030 | 29.600 | 58.1 | 85.4 | 87.1 | 56.5 | 71.8 | 100 | 50 | 52 | 48 | 82 | 30 | .394 | .358 | T. | T. | 1.4 | .8 | 1.2 |
| September | 29,838 | 30,010 | 29.660 | 58.0 | 82.9 | 84.6 | 55.8 | 70.2 | 96 | 48 | 49 | 44 | 76 | 29 | .356 | .295 | .16 | .15 | .7 | 1.2 | 1.5 |
| October | 29.947 | 30.300 | 29.630 | 48.5 | 67.4 | 70.2 | 46.2 | 58.2 | 79 | 37 | 45 | 44 | 90 | 47 | .306 | .303 | .79 | .52 | 2.1 | 1.7 | 3.1 |
| November | 30.098 | 30.340 | 29.830 | 42.7 | 59.2 | 61.0 | 40.0 | 50.5 | 72 | 30 | 36 | 34 | 80 | 43 | .227 | .211 | .49 | .42 | 2.6 | 3.4 | 3.2 |
| December | 30,014 | 30.450 | 29.356 | 39.1 | 50.0 | 52.0 | 36.4 | 44.2 | 62 | 30 | 37 | 40 | 92 | 70 | .226 | .251 | 3.73 | 1.19 | 3.0 | 4.2 | 5.2 |
| Year | 29.925 | 30.560 | 28.868 | 49.8 | 69.3 | 71.0 | 48.0 | 59.5 | 105 | 30 | 45 | 43 | 85 | 45 | .308 | .296 | 18.27 | 3.21 | 2.4 | 2.5 | 2.7 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

ROCHESTER, N. Y.

[$H_b$=523 ft.; $h_t$=86 ft.; $h_r$=77 ft.; $h_a$=102 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | Number of winds, 8 a. m. and 8 p. m. North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northeast. | Calm. | Number of days. Clear. | Partly cloudy. | Cloudy. | Precipitation. 0.01 inch and over. | 0.04 inch and over. | Snow. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.7 | SW. | 39 | SW. | 0 | 1 | 0 | 4 | 1 | 11 | 24 | 17 | 4 | 0 | 1 | 7 | 23 | 14 | 10 | 13 | 8 | 0 | 0 | 8 | 0 | 22 | 0 | 0 |
| February | 11.0 | W. | 45 | W. | 1 | 3 | 6 | 1 | 6 | 3 | 14 | 22 | 3 | 0 | 0 | 11 | 18 | 17 | 16 | 26 | 17 | 0 | 0 | 20 | 0 | 29 | 0 | 0 |
| March | 10.0 | W. | 38 | W. | 0 | 2 | 4 | 6 | 7 | 3 | 19 | 14 | 7 | 0 | 9 | 6 | 16 | 22 | 18 | 21 | 20 | 0 | 0 | 18 | 0 | 25 | 0 | 0 |
| April | 8.8 | NW. | 38 | W. | 0 | 3 | 7 | 3 | 9 | 4 | 11 | 11 | 12 | 0 | 7 | 6 | 17 | 15 | 10 | 5 | 2 | 0 | 0 | 0 | 0 | 6 | 2 | 2 |
| May | 9.6 | W. | 48 | W. | 1 | 3 | 1 | 4 | 7 | 6 | 10 | 23 | 8 | 0 | 7 | 8 | 16 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| June | 7.4 | SE | 29 | W. | 0 | 3 | 3 | 2 | 13 | 7 | 12 | 17 | 3 | 0 | 7 | 8 | 15 | 16 | 13 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 8 | 0 |
| July | 7.2 | SW. | 30 | N. | 0 | 4 | 12 | 4 | 2 | 9 | 26 | 3 | 2 | 0 | 17 | 10 | 4 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 5 | 0 |
| August | 6 6 | SW. | 25 | W. | 0 | 2 | 2 | 6 | 4 | 9 | 22 | 13 | 4 | 0 | 17 | 6 | 8 | 9 | 7 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 5 | 1 |
| September | 7.7 | SW. | 26 | W. | 0 | 3 | 2 | 2 | 3 | 14 | 21 | 12 | 3 | 0 | 12 | 7 | 11 | 12 | 7 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 |
| October | 8.3 | SW. | 38 | W. | 0 | 2 | 1 | 2 | 9 | 14 | 17 | 13 | 4 | 0 | 10 | 8 | 13 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| November | 9.4 | SW. | 44 | W. | 1 | 4 | 3 | 3 | 3 | 13 | 17 | 15 | 2 | 0 | 5 | 9 | 16 | 15 | 9 | 8 | 7 | 0 | 0 | 5 | 0 | 12 | 0 | 0 |
| December | 10.6 | W. | 38 | W. | 0 | 2 | 0 | 1 | 11 | 4 | 21 | 21 | 2 | 0 | 3 | 7 | 21 | 22 | 12 | 19 | 16 | 0 | 0 | 13 | 0 | 25 | 1 | 0 |
| Year | 9.0 | SW. | 48 | W. | 3 | 32 | 41 | 38 | 75 | 97 | 214 | 181 | 54 | 0 | 95 | 93 | 178 | 175 | 129 | 92 | 70 | 2 | 2 | 64 | 17 | 119 | 31 | 3 |

ROSEBURG, OREG.

[$H_b$=510 ft.; $h_t$=9 ft.; $h_r$=4 ft.; $h_a$=57 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northeast. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 2.7 | S. | 17 | SE. | 0 | 4 | 7 | 4 | 12 | 15 | 8 | 6 | 5 | 1 | 0 | 15 | 16 | 26 | 21 | 13 | 13 | 0 | 5 | 2 | 0 | 17 | 0 | 0 |
| February | 2.5 | S. | 24 | SE. | 0 | 5 | 2 | 6 | 7 | 16 | 4 | 6 | 8 | 4 | 3 | 18 | 8 | 15 | 13 | 0 | 0 | 0 | 9 | 0 | 0 | 1 | 0 | 0 |
| March | 3.6 | S. | 20 | S. | 0 | 5 | 2 | 5 | 5 | 12 | 8 | 10 | 10 | 5 | 5 | 15 | 11 | 15 | 13 | 3 | 1 | 1 | 2 | 0 | 0 | 3 | 0 | 0 |
| April | 3.3 | NW. | 23 | SW. | 0 | 7 | 4 | 5 | 5 | 5 | 8 | 5 | 14 | 7 | 10 | 18 | 2 | 12 | 11 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 1 | 0 |
| May | 3.8 | NW. | 27 | SW. | 0 | 12 | 4 | 4 | 5 | 4 | 9 | 5 | 14 | 5 | 8 | 16 | 7 | 12 | 11 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | 3.7 | NW. | 18 | N. | 0 | 18 | 3 | 3 | 4 | 2 | 6 | 5 | 11 | 8 | 14 | 12 | 4 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| July | 3.5 | N. | 16 | N. | 0 | 26 | 8 | 6 | 0 | 0 | 1 | 4 | 10 | 7 | 14 | 13 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| August | 3.1 | N. | 15 | N. | 0 | 29 | 4 | 8 | 0 | 2 | 0 | 1 | 10 | 8 | 24 | 5 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 |
| September | 2.4 | N. | 12 | N. | 0 | 23 | 4 | 0 | 3 | 5 | 1 | 4 | 12 | 8 | 15 | 10 | 5 | 5 | 2 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 |
| October | 2.1 | NW. | 18 | SE. | 0 | 9 | 5 | 2 | 5 | 10 | 4 | 3 | 15 | 9 | 19 | 10 | 2 | 5 | 4 | 0 | 0 | 0 | 6 | 0 | 0 | 7 | 0 | 0 |
| November | 2.5 | S. | 23 | SW. | 0 | 5 | 5 | 3 | 7 | 11 | 9 | 3 | 13 | 4 | 9 | 11 | 10 | 13 | 10 | 0 | 0 | 0 | 6 | 0 | 0 | 9 | 0 | 0 |
| December | 3.1 | S. | 36 | SW. | 0 | 0 | 12 | 5 | 10 | 21 | 6 | 2 | 6 | 0 | 1 | 15 | 15 | 17 | 15 | 4 | 4 | 0 | 5 | 0 | 0 | 8 | 0 | 0 |
| Year | 3.0 | N. | 36 | SW. | 0 | 143 | 60 | 51 | 63 | 103 | 64 | 54 | 128 | 66 | 122 | 158 | 86 | 135 | 111 | 20 | 18 | 4 | 39 | 2 | 13 | 47 | 1 | 0 |

ROSWELL, N. MEX.

[$H_b$=3,566 ft.; $h_t$=75 ft.; $h_r$=69 ft.; $h_a$=85 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northeast. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.0 | S. | 44 | SW. | 1 | 9 | 10 | 3 | 4 | 11 | 10 | 9 | 5 | 1 | 12 | 9 | 10 | 5 | 1 | 3 | 3 | 0 | 0 | 1 | 0 | 17 | 0 | 0 |
| February | 7.6 | S. | 35 | W. | 0 | 8 | 6 | 2 | 6 | 9 | 2 | 6 | 16 | 3 | 19 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 |
| March | 9.9 | NW. | 38 | SW. | 0 | 9 | 6 | 6 | 5 | 7 | 5 | 7 | 15 | 2 | 23 | 6 | 2 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| April | 9.4 | S. | 40 | NW. | 1 | 12 | 5 | 8 | 4 | 11 | 6 | 4 | 10 | 0 | 17 | 6 | 7 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| May | 8.5 | W. | 35 | NW. | 0 | 8 | 3 | 4 | 4 | 6 | 9 | 14 | 12 | 2 | 23 | 7 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 |
| June | 8.7 | S. | 39 | SW. | 0 | 7 | 2 | 6 | 12 | 10 | 11 | 7 | 5 | 0 | 24 | 6 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 27 | 0 | 5 | 0 |
| July | 7.7 | SE. | 44 | E. | 2 | 4 | 3 | 7 | 20 | 15 | 3 | 3 | 4 | 3 | 12 | 17 | 2 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 10 | 0 |
| August | 6.7 | S. | 29 | N. | 0 | 4 | 4 | 4 | 10 | 15 | 9 | 6 | 5 | 5 | 13 | 12 | 6 | 11 | 10 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 | 0 |
| September | 6.4 | S. | 39 | NW. | 0 | 6 | 7 | 1 | 10 | 15 | 8 | 5 | 5 | 3 | 15 | 15 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| October | 7.4 | S. | 32 | NW. | 0 | 8 | 7 | 3 | 5 | 15 | 9 | 4 | 9 | 2 | 20 | 5 | 6 | 7 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 3 | 0 |
| November | 6.7 | N. | 31 | SW. | 0 | 15 | 8 | 2 | 4 | 16 | 9 | 0 | 6 | 0 | 24 | 3 | 3 | 2 | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 22 | 0 | 0 |
| December | 7.9 | SW. | 48 | SW. | 1 | 8 | 12 | 2 | 4 | 5 | 11 | 7 | 13 | 0 | 20 | 7 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 |
| Year | 7.9 | S. | 48 | SW. | 5 | 98 | 73 | 48 | 88 | 135 | 92 | 72 | 105 | 21 | 222 | 102 | 42 | 49 | 35 | 8 | 6 | 1 | 1 | 2 | 67 | 81 | 32 | 0 |

SACRAMENTO, CAL.

[$H_b$=69 ft.; $h_t$=106 ft.; $h_r$=100 ft.; $h_a$= 117 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northeast. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.4 | SE. | 50 | SE. | 2 | 8 | 1 | 3 | 28 | 12 | 3 | 2 | 4 | 1 | 2 | 11 | 18 | 20 | 16 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| February | 6.5 | SE. | 34 | SE. | 0 | 9 | 0 | 3 | 20 | 10 | 4 | 3 | 8 | 1 | 10 | 9 | 10 | 15 | 10 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 |
| March | 7.6 | S. | 40 | SE. | 1 | 10 | 0 | 3 | 14 | 14 | 8 | 4 | 8 | 1 | 19 | 10 | 2 | 5 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| April | 8.8 | S. | 37 | NW. | 0 | 5 | 0 | 1 | 20 | 18 | 3 | 2 | 11 | 0 | 27 | 3 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| May | 10.1 | S. | 32 | NW. | 0 | 3 | 1 | 2 | 12 | 24 | 6 | 2 | 12 | 0 | 27 | 4 | 0 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| June | 9.3 | S. | 31 | NW. | 0 | 1 | 0 | 0 | 13 | 32 | 5 | 1 | 8 | 0 | 28 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 |
| July | 8.1 | S. | 23 | SW. | 0 | 2 | 1 | 0 | 22 | 25 | 4 | 1 | 7 | 0 | 30 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 |
| August | 8.1 | S. | 26 | SW. | 0 | 1 | 0 | 2 | 14 | 35 | 1 | 3 | 6 | 0 | 28 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 |
| September | 7.8 | S. | 29 | N. | 0 | 3 | 0 | 1 | 22 | 16 | 5 | 1 | 10 | 2 | 24 | 3 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 0 |
| October | 6.0 | S. | 27 | SW. | 0 | 6 | 4 | 1 | 20 | 18 | 5 | 2 | 4 | 2 | 20 | 8 | 3 | 5 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| November | 7.3 | NW. | 33 | NW. | 0 | 11 | 5 | 3 | 15 | 4 | 1 | 3 | 14 | 4 | 18 | 8 | 4 | 4 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| December | 8.2 | SE. | 39 | SE. | 0 | 12 | 7 | 3 | 17 | 9 | 1 | 2 | 8 | 3 | 13 | 8 | 10 | 11 | 10 | 0 | 0 | 0 | 5 | 0 | 0 | 4 | 0 | 0 |
| Year | 8.2 | S. | 50 | SE. | 3 | 71 | 19 | 22 | 217 | 217 | 46 | 26 | 100 | 14 | 246 | 68 | 52 | 69 | 51 | 2 | 2 | 1 | 18 | 0 | 49 | 9 | 3 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SAGINAW, MICH.

[$\phi$=43° 26′ N.; $\lambda$=83° 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 | 29.380 | 29.930 | 28.690 | 26.1 | 28.1 | 35.4 | 19.9 | 27.6 | 62 | −2 | 24 | 25 | 91 | 86 | 0.143 | 0.145 | 2.51 | 0.66 | 8.1 | 6.5 | 8.6 |
| February | 29.392 | 29.990 | 28.780 | 15.3 | 19.4 | 25.3 | 9.5 | 17.4 | 42 | −15 | 14 | 16 | 93 | 86 | .084 | .093 | .85 | .31 | 7.1 | 5.8 | 7.6 |
| March | 29.266 | 29.740 | 28.410 | 19.8 | 27.3 | 33.1 | 16.0 | 24.6 | 60 | 1 | 18 | 23 | 92 | 84 | .109 | .134 | 3.26 | 1.30 | 5.9 | 6.0 | 7.0 |
| April | 29.246 | 29.557 | 28.820 | 41.0 | 47.9 | 54.2 | 36.8 | 45.5 | 73 | 26 | 36 | 37 | 82 | 68 | .216 | .230 | 1.43 | .36 | 7.2 | 7.5 | 7.4 |
| May | 29.201 | 29.674 | 28.640 | 53.2 | 59.9 | 65.9 | 47.0 | 56.4 | 82 | 36 | 45 | 46 | 74 | 63 | .311 | .327 | 4.37 | 1.16 | 5.8 | 7.5 | 7.0 |
| June | 29.189 | 29.631 | 28.761 | 58.7 | 66.0 | 71.7 | 52.6 | 62.2 | 82 | 42 | 52 | 53 | 80 | 64 | .403 | .409 | 2.68 | .63 | 7.1 | 5.1 | 7.2 |
| July | 29.323 | 29.550 | 28.990 | 72.6 | 80.5 | 88.7 | 64.9 | 76.8 | 103 | 54 | 63 | 64 | 72 | 58 | .590 | .606 | .82 | .48 | 3.1 | 2.7 | 3.6 |
| August | 29.318 | 29.630 | 29.010 | 65.9 | 75.0 | 84.5 | 59.3 | 71.9 | 100 | 43 | 60 | 60 | 81 | 60 | .539 | .539 | 1.25 | .50 | 3.4 | 5.2 | 4.5 |
| September | 29.315 | 29.670 | 28.910 | 55.3 | 62.7 | 71.7 | 49.8 | 60.8 | 90 | 32 | 49 | 49 | 81 | 62 | .370 | .370 | 1.51 | .66 | 5.9 | 4.9 | 6.2 |
| October | 29.362 | 29.733 | 28.500 | 43.9 | 51.1 | 60.5 | 39.5 | 50.0 | 85 | 32 | 40 | 40 | 86 | 67 | .254 | .255 | 2.69 | .92 | 5.6 | 4.3 | 5.8 |
| November | 29.341 | 29.810 | 28.380 | 34.7 | 38.8 | 46.0 | 30.9 | 38.4 | 68 | 14 | 32 | 32 | 89 | 78 | .186 | .194 | 1.58 | .60 | 7.9 | 5.0 | 7.7 |
| December | 29.242 | 29.810 | 28.780 | 20.7 | 23.9 | 30.1 | 15.7 | 22.9 | 57 | −3 | 18 | 20 | 89 | 87 | .113 | .120 | 2.10 | .78 | 7.6 | 6.9 | 7.3 |
| Year | 29.298 | 29.990 | 28.380 | 42.3 | 48.4 | 55.6 | 36.8 | 46.2 | 103 | −15 | 38 | 39 | 84 | 72 | .276 | .285 | 25.05 | 1.30 | 6.2 | 5.6 | 6.7 |

ST. JOSEPH, MO.

[$\phi$=39° 49′ N.; $\lambda$=94° 51′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.088 | 29.660 | 28.449 | 20.7 | 24.7 | 33.7 | 14.7 | 24.2 | 61 | −19 | 18 | 19 | 87 | 80 | 0.115 | 0.122 | 2.56 | 0.86 | 6.7 | 5.6 | 6.4 |
| February | 29.151 | 29.670 | 28.765 | 22.0 | 30.0 | 35.4 | 18.7 | 27.0 | 58 | −4 | 19 | 22 | 86 | 73 | .109 | .127 | .47 | .21 | 4.3 | 4.6 | 4.7 |
| March | 28.904 | 29.460 | 28.140 | 34.4 | 48.2 | 54.6 | 31.9 | 43.2 | 88 | 4 | 29 | 32 | 79 | 56 | .164 | .191 | 2.98 | 1.56 | 6.0 | 4.7 | 5.3 |
| April | 28.945 | 29.280 | 28.280 | 44.9 | 55.6 | 61.6 | 42.1 | 51.8 | 85 | 28 | 39 | 38 | 80 | 53 | .248 | .240 | 2.96 | 1.67 | 6.3 | 5.8 | 6.3 |
| May | 28.827 | 29.110 | 28.410 | 57.2 | 69.6 | 74.4 | 54.1 | 64.2 | 91 | 40 | 51 | 52 | 80 | 56 | .393 | .411 | 7.79 | 4.10 | 5.9 | 4.8 | 4.8 |
| June | 28.857 | 29.130 | 28.553 | 62.7 | 75.0 | 79.7 | 59.5 | 69.6 | 92 | 51 | 57 | 57 | 84 | 56 | .481 | .478 | 3.34 | 1.75 | 5.3 | 3.3 | 4.1 |
| July | 28.951 | 29.150 | 28.755 | 73.6 | 88.7 | 94.1 | 70.5 | 82.3 | 100 | 61 | 66 | 66 | 78 | 48 | .646 | .636 | 1.18 | .55 | 2.1 | 2.1 | 2.5 |
| August | 28.955 | 29.230 | 28.681 | 69.9 | 81.8 | 89.0 | 67.6 | 78.3 | 102 | 50 | 63 | 65 | 80 | 58 | .593 | .628 | 4.24 | 2.35 | 5.1 | 2.9 | 4.5 |
| September | 28.973 | 29.320 | 28.423 | 58.1 | 71.4 | 78.3 | 55.3 | 67.3 | 97 | 33 | 52 | 54 | 81 | 55 | .413 | .444 | 3.51 | 1.54 | 3.8 | 2.1 | 3.4 |
| October | 29.001 | 29.510 | 28.710 | 48.4 | 59.1 | 66.7 | 45.5 | 56.1 | 89 | 24 | 40 | 43 | 74 | 57 | .257 | .292 | 1.78 | .87 | 4.2 | 2.9 | 4.3 |
| November | 29.036 | 29.400 | 28.600 | 38.4 | 46.7 | 54.0 | 35.6 | 44.8 | 79 | 12 | 32 | 31 | 77 | 56 | .189 | .186 | 3.11 | 2.06 | 3.0 | 3.0 | 3.6 |
| December | 28.942 | 29.510 | 28.521 | 23.1 | 29.9 | 36.6 | 17.3 | 27.0 | 66 | −9 | 18 | 18 | 80 | 62 | .114 | .112 | .48 | .36 | 4.4 | 3.8 | 4.8 |
| Year | 28.969 | 29.670 | 28.140 | 46.1 | 56.7 | 63.2 | 42.8 | 53.0 | 102 | −19 | 40 | 41 | 80 | 59 | .310 | .322 | 34.40 | 4.10 | 4.8 | 3.8 | 4.6 |

ST. LOUIS, MO.

[$\phi$=38° 38′ N.; $\lambda$=90° 12′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.546 | 30.060 | 28.970 | 32.0 | 35.7 | 43.2 | 25.0 | 34.1 | 65 | −4 | 26 | 26 | 77 | 66 | 0.165 | 0.161 | 8.53 | 2.97 | 6.4 | 5.7 | 7.1 |
| February | 29.568 | 30.050 | 29.170 | 27.9 | 35.8 | 41.1 | 24.6 | 32.8 | 68 | 7 | 23 | 28 | 82 | 72 | .131 | .162 | 1.78 | .66 | 6.0 | 5.9 | 5.9 |
| March | 29.341 | 29.820 | 28.550 | 38.9 | 47.7 | 55.3 | 34.6 | 45.0 | 80 | 15 | 34 | 37 | 82 | 66 | .211 | .234 | 1.83 | .68 | 5.6 | 4.5 | 5.4 |
| April | 29.371 | 29.690 | 28.940 | 48.9 | 58.0 | 62.9 | 45.9 | 54.4 | 85 | 30 | 41 | 43 | 75 | 59 | .266 | .286 | 1.78 | .54 | 5.9 | 6.8 | 5.8 |
| May | 29.295 | 29.580 | 29.000 | 62.3 | 71.4 | 77.1 | 58.8 | 68.0 | 91 | 45 | 52 | 52 | 71 | 54 | .411 | .417 | 3.00 | 1.00 | 4.7 | 5.5 | 4.4 |
| June | 29.274 | 29.550 | 28.630 | 66.4 | 74.9 | 79.8 | 63.2 | 71.5 | 95 | 55 | 58 | 59 | 75 | 59 | .493 | .512 | 3.97 | 2.32 | 4.6 | 5.2 | 4.9 |
| July | 29.366 | 29.570 | 29.160 | 78.9 | 87.7 | 93.3 | 75.0 | 84.2 | 99 | 66 | 68 | 67 | 69 | 51 | .688 | .666 | 1.20 | .81 | 1.4 | 2.7 | 2.0 |
| August | 29.403 | 29.620 | 29.100 | 72.7 | 82.7 | 87.4 | 70.0 | 78.7 | 96 | 55 | 66 | 68 | 81 | 62 | .663 | .699 | 10.09 | 4.98 | 3.5 | 3.8 | 4.3 |
| September | 29.436 | 29.730 | 28.950 | 61.8 | 70.6 | 77.3 | 59.3 | 68.3 | 94 | 41 | 54 | 57 | 77 | 64 | .451 | .494 | 2.69 | 1.11 | 3.2 | 2.7 | 3.5 |
| October | 29.465 | 29.890 | 29.090 | 50.9 | 62.9 | 69.0 | 49.4 | 59.2 | 86 | 30 | 43 | 47 | 76 | 58 | .296 | .342 | 1.64 | 1.68 | 3.7 | 3.0 | 3.8 |
| November | 29.493 | 29.870 | 28.860 | 42.5 | 52.7 | 58.0 | 40.3 | 49.2 | 79 | 15 | 34 | 34 | 73 | 52 | .213 | .218 | 2.53 | 1.73 | 3.1 | 2.4 | 3.2 |
| December | 29.400 | 29.960 | 28.960 | 29.0 | 36.0 | 41.5 | 25.8 | 33.6 | 71 | 2 | 22 | 25 | 76 | 66 | .135 | .153 | 2.16 | 1.06 | 5.1 | 4.5 | 5.2 |
| Year | 29.413 | 30.060 | 28.550 | 51.0 | 59.7 | 65.5 | 47.7 | 56.6 | 99 | −4 | 43 | 45 | 76 | 61 | .344 | .362 | 41.80 | 4.98 | 4.4 | 4.4 | 4.6 |

ST. PAUL, MINN.

[$\phi$=44° 58′ N.; $\lambda$=93° 03′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.158 | 29.750 | 28.430 | 7.6 | ..... | 20.9 | −0.2 | 10.4 | 45 | −31 | 4 | .... | 85 | .... | 0.064 | ..... | 2.60 | 0.61 | 5.5 | ..... | 6.1 |
| February | 29.259 | 29.850 | 28.870 | 7.3 | ..... | 20.1 | 2.9 | 11.5 | 47 | −20 | 4 | .... | 84 | .... | .059 | ..... | .39 | .10 | 5.4 | ..... | 5.2 |
| March | 29.070 | 29.580 | 28.300 | 20.8 | ..... | 35.1 | 17.4 | 26.2 | 55 | −7 | 16 | .... | 80 | .... | .101 | ..... | 1.26 | .42 | 5.9 | ..... | 5.8 |
| April | 29.039 | 29.470 | 28.430 | 37.5 | ..... | 51.7 | 35.8 | 43.8 | 66 | 14 | 32 | .... | 79 | .... | .184 | ..... | 3.03 | 1.20 | 6.1 | ..... | 5.8 |
| May | 28.911 | 29.380 | 28.330 | 50.4 | ..... | 65.7 | 47.4 | 56.6 | 82 | 33 | 42 | .... | 75 | .... | .284 | ..... | 5.89 | 1.51 | 5.2 | ..... | 5.0 |
| June | 28.943 | 29.230 | 28.570 | 57.9 | ..... | 70.9 | 54.5 | 62.7 | 82 | 48 | 51 | .... | 78 | .... | .379 | ..... | 3.79 | .91 | 5.9 | ..... | 5.0 |
| July | 29.086 | 29.390 | 28.890 | 72.0 | ..... | 87.4 | 69.0 | 78.2 | 97 | 60 | 65 | .... | 78 | .... | .616 | ..... | .75 | .38 | 4.8 | ..... | 3.2 |
| August | 29.076 | 29.430 | 28.730 | 64.2 | ..... | 81.5 | 61.6 | 71.6 | 96 | 47 | 58 | .... | 82 | .... | .505 | ..... | 1.60 | .53 | 5.5 | ..... | 4.0 |
| September | 29.040 | 29.420 | 28.590 | 51.9 | ..... | 68.4 | 50.0 | 59.2 | 90 | 33 | 48 | .... | 85 | .... | .349 | ..... | 1.81 | .66 | 5.6 | ..... | 5.2 |
| October | 29.089 | 29.610 | 28.610 | 40.9 | ..... | 55.2 | 37.7 | 46.4 | 79 | 22 | 34 | .... | 77 | .... | .204 | ..... | 1.26 | .44 | 5.0 | ..... | 5.2 |
| November | 29.125 | 29.660 | 28.583 | 29.1 | ..... | 41.5 | 26.0 | 33.8 | 71 | 6 | 23 | .... | 76 | .... | .127 | ..... | .92 | .82 | 5.0 | ..... | 5.1 |
| December | 29.034 | 29.640 | 28.552 | 7.8 | ..... | 20.6 | 3.7 | 12.2 | 53 | −24 | 4 | .... | 82 | .... | .064 | ..... | 1.21 | .53 | 3.9 | ..... | 5.0 |
| Year | 29.069 | 29.850 | 28.300 | 37.3 | ..... | 51.6 | 33.8 | 42.7 | 97 | −31 | 32 | .... | 80 | .... | .245 | ..... | 24.51 | 1.51 | 5.3 | ..... | 5.0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SAGINAW, MICH.

[$H_b$=641 ft.; $h_t$=48 ft.; $h_r$=43 ft.; $h_a$=82 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 13.2 | S. | 40 | W. | 1 | 1 | 3 | 5 | 3 | 17 | 9 | 18 | 6 | 0 | 1 | 8 | 22 | 15 | 10 | 15 | 3 | 0 | 2 | 12 | 0 | 26 | 0 | 0 |
| February | 9.7 | W. | 36 | NW. | 0 | 4 | 6 | 1 | 1 | 5 | 11 | 13 | 16 | 1 | 5 | 6 | 18 | 9 | 6 | 23 | 9 | 0 | 1 | 22 | 0 | 29 | 0 | 0 |
| March | 10.7 | NW. | 38 | W. | 0 | 8 | 11 | 7 | 5 | 7 | 6 | 7 | 10 | 1 | 6 | 4 | 21 | 13 | 9 | 18 | 9 | 0 | 4 | 16 | 0 | 27 | 0 | 0 |
| April | 10.5 | NW. | 37 | NW. | 0 | 4 | 9 | 6 | 5 | 9 | 6 | 10 | 11 | 0 | 6 | 5 | 19 | 16 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 8 | 3 | 2 |
| May | 10.1 | SW. | 50 | SE. | 3 | 3 | 8 | 10 | 5 | 7 | 11 | 12 | 6 | 0 | 7 | 6 | 18 | 15 | 14 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 7 | 0 |
| June | 8.7 | S. | 38 | SE. | 0 | 8 | 6 | 4 | 8 | 11 | 10 | 8 | 5 | 0 | 3 | 12 | 15 | 11 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 6.5 | NE. | 38 | NW. | 0 | 10 | 11 | 9 | 6 | 5 | 6 | 7 | 6 | 2 | 16 | 10 | 5 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 15 | 0 | 7 | 0 |
| August | 6.9 | SW. | 31 | NW. | 0 | 4 | 7 | 1 | 6 | 11 | 9 | 12 | 11 | 1 | 13 | 13 | 5 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 6 | 0 |
| September | 8.8 | S. | 29 | S. | 0 | 4 | 2 | 3 | 4 | 13 | 12 | 10 | 12 | 0 | 6 | 12 | 12 | 9 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 |
| October | 10.2 | S. | 39 | NW. | 0 | 3 | 4 | 4 | 9 | 18 | 8 | 10 | 6 | 0 | 9 | 7 | 15 | 14 | 11 | 1 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 0 |
| November | 11.2 | W. | 34 | NW. | 0 | 1 | 7 | 2 | 8 | 7 | 14 | 16 | 5 | 0 | 5 | 3 | 22 | 10 | 9 | 9 | 3 | 0 | 1 | 4 | 0 | 16 | 0 | 0 |
| December | 10.1 | W. | 34 | SW. | 0 | 2 | 3 | 1 | 7 | 14 | 14 | 17 | 4 | 0 | 5 | 8 | 18 | 15 | 10 | 17 | 10 | 1 | 1 | 20 | 0 | 26 | 1 | 0 |
| Year | 9.7 | W. | 50 | SE. | 4 | 52 | 77 | 53 | 67 | 124 | 116 | 140 | 98 | 5 | 82 | 94 | 190 | 140 | 105 | 86 | 36 | 7 | 11 | 74 | 24 | 133 | 36 | 2 |

ST. JOSEPH, MO.

[$H_b$=967 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=49 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.4 | NW. | 39 | NW. | 0 | 4 | 4 | 6 | 10 | 9 | 6 | 3 | 20 | 0 | 9 | 7 | 15 | 13 | 10 | 13 | 7 | 0 | 1 | 18 | 0 | 27 | 0 | 0 |
| February | 8.4 | NW. | 37 | NW. | 0 | 11 | 7 | 5 | 2 | 8 | 4 | 5 | 16 | 0 | 12 | 8 | 9 | 3 | 3 | 9 | 3 | 0 | 0 | 11 | 0 | 26 | 0 | 0 |
| March | 11.5 | NW. | 56 | NW. | 4 | 9 | 7 | 11 | 4 | 5 | 5 | 3 | 18 | 0 | 9 | 13 | 9 | 8 | 6 | 5 | 2 | 1 | 0 | 2 | 0 | 15 | 3 | 0 |
| April | 9.6 | NW. | 39 | NW. | 0 | 6 | 9 | 6 | 8 | 8 | 3 | 2 | 17 | 1 | 8 | 9 | 13 | 10 | 6 | 2 | 2 | 1 | 0 | 0 | 0 | 3 | 4 | 0 |
| May | 9.3 | SE. | 33 | NW. | 0 | 5 | 7 | 7 | 12 | 12 | 4 | 7 | 7 | 1 | 9 | 16 | 6 | 13 | 12 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 12 | 0 |
| June | 7.9 | NW. | 35 | NW. | 0 | 2 | 8 | 9 | 10 | 10 | 2 | 5 | 13 | 1 | 12 | 15 | 3 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 0 |
| July | 4.9 | SE. | 42 | NW. | 1 | 3 | 8 | 15 | 18 | 10 | 2 | 1 | 3 | 2 | 22 | 7 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 7 | 0 |
| August | 6.3 | S. | 34 | NW. | 0 | 4 | 15 | 5 | 14 | 15 | 4 | 1 | 4 | 0 | 11 | 13 | 7 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 8 | 1 |
| September | 8.0 | SE. | 28 | NW. | 0 | 3 | 7 | 5 | 17 | 15 | 2 | 2 | 8 | 1 | 17 | 8 | 5 | 6 | 6 | 0 | 0 | 1 | 1 | 0 | 3 | 0 | 6 | 0 |
| October | 8.4 | SE. | 38 | NW. | 0 | 4 | 8 | 4 | 15 | 12 | 6 | 5 | 8 | 0 | 16 | 6 | 9 | 7 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 |
| November | 9.4 | NW. | 36 | NW. | 0 | 6 | 6 | 1 | 4 | 20 | 3 | 2 | 16 | 2 | 18 | 6 | 6 | 4 | 3 | 2 | 1 | 0 | 1 | 3 | 0 | 11 | 0 | 0 |
| December | 9.3 | NW. | 31 | NW. | 0 | 10 | 2 | 9 | 9 | 7 | 5 | 6 | 13 | 1 | 12 | 12 | 7 | 7 | 4 | 7 | 5 | 0 | 1 | 17 | 0 | 25 | 1 | 0 |
| Year | 8.6 | NW. | 56 | NW. | 5 | 67 | 88 | 83 | 123 | 131 | 46 | 42 | 143 | 9 | 155 | 120 | 91 | 94 | 80 | 39 | 20 | 4 | 5 | 51 | 49 | 110 | 48 | 1 |

ST. LOUIS, MO.

[$H_b$=568 ft.; $h_t$=265 ft.; $h_r$=258 ft.; $h_a$=303 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 16.5 | S. | 49 | S. | 8 | 3 | 9 | 0 | 5 | 17 | 9 | 2 | 17 | 0 | 8 | 3 | 20 | 16 | 11 | 8 | 4 | 0 | 4 | 7 | 0 | 18 | 1 | 0 |
| February | 12.5 | NW. | 41 | NW. | 1 | 1 | 5 | 2 | 8 | 6 | 5 | 3 | 28 | 0 | 9 | 8 | 12 | 7 | 7 | 9 | 4 | 0 | 0 | 9 | 0 | 23 | 1 | 0 |
| March | 15.2 | NW. | 54 | W. | 5 | 3 | 4 | 5 | 11 | 10 | 10 | 2 | 17 | 0 | 12 | 8 | 11 | 9 | 7 | 7 | 4 | 0 | 1 | 1 | 0 | 15 | 1 | 0 |
| April | 14.6 | NW. | 49 | SW. | 2 | 5 | 6 | 0 | 7 | 9 | 12 | 6 | 15 | 0 | 8 | 9 | 13 | 13 | 9 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| May | 13.7 | SW. | 50 | SW. | 4 | 2 | 1 | 4 | 6 | 16 | 13 | 4 | 16 | 0 | 15 | 9 | 7 | 12 | 10 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 7 | 0 |
| June | 12.0 | NW. | 43 | SE. | 4 | 2 | 7 | 7 | 3 | 8 | 12 | 11 | 10 | 0 | 12 | 13 | 5 | 11 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 6 | 0 |
| July | 7.7 | NE. | 43 | SW. | 1 | 7 | 13 | 4 | 3 | 8 | 11 | 8 | 8 | 0 | 24 | 7 | 0 | 4 | 3 | 0 | 0 | 1 | 0 | 0 | 25 | 0 | 8 | 0 |
| August | 9.7 | S. | 44 | SE. | 2 | 4 | 11 | 8 | 6 | 17 | 10 | 1 | 5 | 0 | 15 | 13 | 3 | 10 | 10 | 0 | 0 | 0 | 1 | 0 | 13 | 0 | 11 | 0 |
| September | 12.4 | S. | 56 | S. | 3 | 5 | 7 | 2 | 11 | 16 | 6 | 1 | 12 | 0 | 19 | 5 | 6 | 5 | 5 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 3 | 0 |
| October | 12.8 | S. | 44 | W. | 2 | 2 | 10 | 2 | 14 | 13 | 7 | 7 | 7 | 0 | 16 | 8 | 7 | 8 | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| November | 15.3 | S. | 58 | S. | 4 | 3 | 3 | 4 | 3 | 23 | 6 | 5 | 13 | 0 | 19 | 4 | 7 | 5 | 5 | 1 | 1 | 0 | 0 | 1 | 0 | 8 | 0 | 0 |
| December | 14.5 | S. | 42 | S. | 3 | 3 | 6 | 2 | 7 | 13 | 9 | 9 | 13 | 0 | 12 | 7 | 12 | 8 | 5 | 10 | 5 | 0 | 1 | 9 | 0 | 23 | 2 | 0 |
| Year | 13.1 | NW. | 58 | S. | 39 | 40 | 82 | 40 | 84 | 156 | 110 | 59 | 161 | 0 | 169 | 94 | 103 | 108 | 85 | 28 | 21 | 5 | 8 | 27 | 46 | 91 | 46 | 0 |

ST. PAUL, MINN.

[$H_b$=837 ft.; $h_t$=201 ft.; $h_r$=196 ft.; $h_a$=236 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.6 | NW. | 46 | NW. | 3 | 2 | 3 | 3 | 2 | 7 | 2 | 2 | 10 | 0 | 8 | 11 | 12 | 13 | 9 | 13 | 12 | 0 | 0 | 23 | 0 | 31 | 0 | 0 |
| February | 10.6 | NW. | 37 | NW. | 0 | 6 | 2 | 0 | 2 | 2 | 4 | 2 | 11 | 0 | 8 | 12 | 9 | 12 | 5 | 13 | 12 | 0 | 0 | 21 | 0 | 29 | 0 | 0 |
| March | 12.3 | NW. | 48 | NW. | 1 | 8 | 1 | 4 | 7 | 2 | 2 | 3 | 4 | 0 | 10 | 9 | 12 | 9 | 9 | 11 | 6 | 0 | 2 | 13 | 0 | 26 | 1 | 0 |
| April | 13.8 | NW. | 64 | E. | 2 | 5 | 0 | 3 | 7 | 1 | 2 | 2 | 10 | 0 | 7 | 12 | 11 | 10 | 9 | 5 | 4 | 0 | 0 | 1 | 0 | 9 | 1 | 2 |
| May | 15.0 | NW. | 62 | SE. | 8 | 1 | 1 | 2 | 9 | 3 | 5 | 5 | 5 | 0 | 9 | 17 | 5 | 18 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| June | 12.3 | NW. | 56 | SE. | 1 | 5 | 0 | 6 | 3 | 4 | 5 | 0 | 7 | 0 | 8 | 17 | 5 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| July | 9.2 | SE. | 38 | SE. | 0 | 3 | 2 | 1 | 10 | 5 | 5 | 2 | 3 | 0 | 16 | 15 | 0 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 8 | 0 |
| August | 9.9 | SW. | 38 | W. | 0 | 7 | 2 | 1 | 6 | 4 | 6 | 1 | 4 | 0 | 15 | 13 | 3 | 11 | 6 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 8 | 1 |
| September | 11.7 | NW. | 45 | S. | 2 | 3 | 2 | 0 | 2 | 9 | 4 | 4 | 6 | 0 | 9 | 14 | 7 | 13 | 7 | 1 | 0 | 0 | 2 | 0 | 1 | 0 | 5 | 0 |
| October | 13.7 | NW. | 52 | NW. | 5 | 5 | 1 | 1 | 4 | 7 | 4 | 2 | 7 | 0 | 8 | 15 | 8 | 8 | 7 | 2 | 2 | 0 | 1 | 0 | 0 | 9 | 2 | 0 |
| November | 11.5 | NW. | 56 | S. | 4 | 4 | 2 | 1 | 4 | 5 | 4 | 6 | 4 | 0 | 9 | 13 | 8 | 3 | 3 | 3 | 0 | 0 | 0 | 7 | 0 | 22 | 0 | 0 |
| December | 12.4 | NW. | 52 | NW. | 2 | 2 | 1 | 2 | 7 | 3 | 3 | 5 | 8 | 0 | 12 | 9 | 10 | 10 | 8 | 13 | 9 | 0 | 0 | 22 | 0 | 30 | 0 | 0 |
| Year | 12.2 | NW. | 64 | E. | 28 | 51 | 17 | 24 | 63 | 52 | 46 | 34 | 79 | 0 | 119 | 157 | 90 | 129 | 94 | 61 | 45 | 0 | 6 | 87 | 17 | 156 | 43 | 3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SALT LAKE CITY, UTAH.

[$\phi$= 40° 46′ N.; $\lambda$= 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 | 25.474 | 26.000 | 24.660 | 27.7 | 31.3 | 36.6 | 22.1 | 29.4 | 52 | 9 | 19 | 23 | 71 | 72 | 0.105 | 0.122 | 1.96 | 0.45 | 5.8 | 7.7 | 7.9 |
| February | 25.725 | 26.100 | 25.201 | 32.4 | 37.6 | 42.5 | 29.6 | 36.0 | 55 | 13 | 27 | 30 | 80 | 76 | .146 | .170 | 1.18 | .50 | 6.[illegible] | 7.4 | 7.0 |
| March | 25.634 | 25.990 | 24.850 | 41.1 | 51.5 | 56.1 | 36.5 | 46.3 | 73 | 23 | 26 | 30 | 56 | 46 | .142 | .168 | 3.03 | 1.82 | 4.9 | 5.3 | 4.8 |
| April | 25.585 | 25.900 | 25.310 | 45.1 | 59.1 | 61.4 | 41.8 | 51.6 | 81 | 31 | 29 | 30 | 55 | 36 | .157 | .170 | .88 | .54 | 5.3 | 4.5 | 5.3 |
| May | 25.506 | 25.802 | 25.030 | 46.6 | 62.3 | 65.5 | 44.0 | 54.8 | 86 | 33 | 27 | 27 | 48 | 29 | .151 | .152 | .61 | .57 | 4.4 | 4.7 | 4.5 |
| June | 25.555 | 25.790 | 25.240 | 56.9 | 75.7 | 77.7 | 54.1 | 65.9 | 96 | 40 | 33 | 31 | 42 | 21 | .189 | .175 | .66 | .45 | 2.2 | 2.3 | 2.6 |
| July | 25.592 | 25.770 | 25.250 | 67.5 | 84.1 | 88.8 | 64.9 | 76.8 | 99 | 50 | 43 | 47 | 44 | 30 | .290 | .330 | .63 | .42 | 3.1 | 3.8 | 3.6 |
| August | 25.609 | 25.860 | 25.306 | 63.4 | 80.8 | 84.3 | 61.5 | 72.9 | 95 | 51 | 44 | 43 | 50 | 29 | .295 | .291 | .60 | .40 | 2.6 | 3.0 | 2.7 |
| September | 25.620 | 25.870 | 25.280 | 56.7 | 73.4 | 77.0 | 53.6 | 65.3 | 90 | 39 | 34 | 36 | 44 | 28 | .199 | .219 | .50 | .43 | 1.2 | 1.5 | 2.0 |
| October | 25.638 | 26.010 | 25.197 | 43.5 | 53.4 | 59.6 | 40.1 | 49.8 | 72 | 31 | 32 | 36 | 66 | 54 | .190 | .218 | 2.45 | 1.51 | 3.1 | 3.2 | 3.3 |
| November | 25.767 | 26.110 | 25.190 | 32.1 | 38.3 | 44.6 | 27.9 | 36.2 | 70 | 9 | 20 | 24 | 62 | 56 | .106 | .127 | .92 | .33 | 1.9 | 3.4 | 4.4 |
| December | 25.571 | 26.010 | 24.800 | 25.1 | 30.0 | 34.7 | 20.9 | 27.8 | 57 | 2 | 19 | 20 | 75 | 66 | .107 | .110 | 2.64 | .60 | 6.3 | 7.1 | 7.3 |
| Year | 25.606 | 26.110 | 24.660 | 44.8 | 56.5 | 60.7 | 41.4 | 51.1 | 99 | 2 | 29 | 31 | 58 | 45 | .173 | .188 | 16.06 | 1.82 | 3.9 | 4.5 | 4.6 |

SAN ANTONIO, TEX.

[$\phi$= 29° 27′ N.; $\lambda$= 98° 28′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.345 | 29.750 | 28.886 | 52.5 | 58.7 | 65.8 | 46.6 | 56.2 | 82 | 22 | 48 | 47 | 87 | 69 | 0.389 | 0.377 | 2.25 | 1.23 | 6.8 | 5.1 | 7.2 |
| February | 29.409 | 29.860 | 28.870 | 48.4 | 66.2 | 70.9 | 46.4 | 58.6 | 90 | 25 | 40 | 39 | 74 | 40 | .271 | .265 | .01 | .01 | 4.5 | 2.2 | 3.9 |
| March | 29.251 | 29.750 | 28.697 | 56.6 | 76.8 | 82.1 | 55.2 | 68.6 | 94 | 40 | 47 | 40 | 74 | 30 | .354 | .277 | .79 | 1.19 | 3.6 | 1.9 | 2.2 |
| April | 29.226 | 29.686 | 28.820 | 58.5 | 73.8 | 78.9 | 56.3 | 67.6 | 87 | 39 | 53 | 49 | 84 | 45 | .429 | .376 | 1.85 | 1.11 | 5.6 | 3.1 | 3.7 |
| May | 29.138 | 29.395 | 28.878 | 66.9 | 82.6 | 87.1 | 65.1 | 76.1 | 98 | 52 | 64 | 58 | 90 | 46 | .602 | .491 | 3.85 | 1.61 | 5.5 | 1.8 | 3.9 |
| June | 29.134 | 29.325 | 28.830 | 74.0 | 90.6 | 95.8 | 72.3 | 84.0 | 100 | 63 | 70 | 62 | 86 | 40 | .726 | .559 | .49 | .38 | 4.6 | 1.2 | 2.9 |
| July | 29.199 | 29.400 | 29.025 | 75.2 | 84.8 | 92.4 | 73.2 | 82.8 | 98 | 70 | 72 | 68 | 91 | 60 | .796 | .698 | 4.53 | 1.82 | 4.1 | 5.2 | 4.7 |
| August | 29.245 | 29.520 | 28.930 | 74.0 | 84.4 | 91.4 | 72.5 | 82.0 | 96 | 69 | 72 | 68 | 92 | 61 | .767 | .699 | 5.07 | 3.01 | 4.9 | 3.4 | 3.8 |
| September | 29.264 | 29.630 | 29.020 | 68.9 | 81.6 | 88.0 | 68.0 | 78.0 | 94 | 52 | 65 | 60 | 88 | 51 | .643 | .552 | 3.78 | 2.34 | 4.0 | 2.8 | 2.9 |
| October | 29.308 | 29.590 | 29.010 | 61.2 | 74.3 | 81.9 | 59.9 | 70.9 | 89 | 42 | 56 | 56 | 85 | 55 | .483 | .475 | 2.57 | 2.13 | 2.9 | 2.2 | 2.5 |
| November | 29.416 | 29.850 | 29.110 | 50.6 | 62.8 | 70.1 | 47.8 | 59.0 | 84 | 28 | 46 | 44 | 85 | 54 | .344 | .324 | 2.14 | 1.48 | 3.5 | 1.8 | 2.7 |
| December | 29.283 | 29.704 | 28.853 | 47.1 | 58.5 | 65.9 | 43.4 | 54.6 | 81 | 22 | 38 | 38 | 73 | 50 | .277 | .276 | .33 | .31 | 4.2 | 2.7 | 3.6 |
| Year | 29.268 | 29.860 | 28.697 | 61.2 | 74.6 | 80.9 | 58.9 | 69.9 | 100 | 22 | 56 | 52 | 84 | 50 | .507 | .447 | 27.66 | 3.01 | 4.5 | 2.8 | 3.7 |

SAN DIEGO, CAL.

[$\phi$= 32° 43′ N.; $\lambda$= 117° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.952 | 30.370 | 29.560 | 49.0 | 54.7 | 58.2 | 46.8 | 52.5 | 65 | 36 | 45 | 47 | 88 | 76 | 0.310 | 0.329 | 7.56 | 2.41 | 5.6 | 6.8 | 6.2 |
| February | 29.990 | 30.390 | 29.810 | 50.8 | 59.5 | 63.5 | 49.2 | 56.4 | 78 | 38 | 47 | 49 | 89 | 72 | .330 | .355 | .66 | .23 | 4.9 | 4.5 | 4.7 |
| March | 29.928 | 30.150 | 29.700 | 53.9 | 62.3 | 65.8 | 52.5 | 59.2 | 81 | 43 | 50 | 51 | 86 | 69 | .360 | .385 | .98 | .47 | 4.6 | 3.6 | 3.9 |
| April | 29.888 | 30.080 | 29.690 | 55.0 | 62.8 | 66.7 | 53.8 | 60.2 | 79 | 48 | 50 | 53 | 84 | 71 | .363 | .406 | .01 | .01 | 6.2 | 2.3 | 3.0 |
| May | 29.849 | 29.970 | 29.707 | 56.6 | 63.1 | 65.8 | 55.9 | 60.8 | 72 | 50 | 51 | 53 | 82 | 69 | .374 | .404 | .01 | .01 | 7.3 | 2.8 | 3.2 |
| June | 29.819 | 29.970 | 29.666 | 57.5 | 63.0 | 66.2 | 56.7 | 61.4 | 74 | 52 | 54 | 55 | 89 | 76 | .422 | .440 | T. | T. | 9.4 | 3.3 | 4.3 |
| July | 29.798 | 29.940 | 29.680 | 61.3 | 65.6 | 69.1 | 60.8 | 65.0 | 74 | 58 | 58 | 58 | 89 | 78 | .487 | .491 | .02 | .02 | 9.4 | 4.5 | 4.6 |
| August | 29.803 | 29.960 | 29.660 | 63.1 | 67.8 | 72.0 | 61.9 | 67.0 | 84 | 58 | 60 | 60 | 90 | 78 | .520 | .527 | .01 | .01 | 9.2 | 2.2 | 3.2 |
| September | 29.817 | 29.950 | 29.650 | 60.8 | 65.4 | 69.1 | 59.6 | 64.4 | 80 | 56 | 58 | 60 | 91 | 82 | .483 | .512 | .25 | .25 | 9.6 | 3.5 | 4.2 |
| October | 29.898 | 30.130 | 29.735 | 55.2 | 61.0 | 65.1 | 53.5 | 59.3 | 78 | 46 | 51 | 54 | 87 | 78 | .380 | .417 | .87 | .40 | 6.7 | 2.9 | 3.7 |
| November | 29.978 | 30.140 | 29.706 | 50.4 | 59.5 | 65.0 | 48.0 | 56.5 | 74 | 39 | 42 | 49 | 76 | 72 | .278 | .357 | .05 | .05 | 3.1 | 2.2 | 2.2 |
| December | 29.954 | 30.280 | 29.510 | 47.2 | 55.4 | 60.2 | 44.6 | 52.4 | 76 | 38 | 40 | 46 | 78 | 73 | .256 | .319 | 1.14 | .71 | 4.9 | 4.9 | 4.5 |
| Year | 29.890 | 30.390 | 29.510 | 55.1 | 61.7 | 65.6 | 53.6 | 59.6 | 84 | 36 | 50 | 53 | 86 | 74 | .380 | .412 | 11.56 | 2.41 | 6.7 | 3.6 | 4.0 |

SAND KEY, FLA.

[$\phi$= 24° 27′ N.; $\lambda$= 81° 52′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.109 | 30.260 | 30.000 | 73.0 | 73.9 | 75.1 | 70.2 | 72.6 | 78 | 64 | 66 | 67 | 80 | 79 | 0.644 | 0.657 | 1.65 | 0.66 | 3.9 | 2.4 | 3.6 |
| February | 30.043 | 30.240 | 29.740 | 68.5 | 69.6 | 72.5 | 66.2 | 69.4 | 78 | 53 | 62 | 63 | 81 | 79 | .576 | .583 | 1.26 | .69 | 3.7 | 2.0 | 3.6 |
| March | 30.019 | 30.250 | 29.830 | 68.6 | 69.6 | 72.5 | 66.2 | 69.4 | 79 | 57 | 62 | 62 | 79 | 77 | .564 | .573 | .58 | .53 | 1.8 | 1.4 | 1.7 |
| April | 29.957 | 30.250 | 29.750 | 72.5 | 72.8 | 75.3 | 70.8 | 73.0 | 79 | 60 | 66 | 66 | 80 | 79 | .649 | .642 | .28 | .28 | 4.1 | 3.0 | 3.7 |
| May | 29.904 | 30.060 | 29.670 | 77.1 | 77.6 | 80.0 | 74.8 | 77.4 | 85 | 66 | 71 | 72 | 83 | 82 | .768 | .773 | 4.11 | 1.96 | 3.8 | 4.1 | 3.9 |
| June | 29.923 | 30.050 | 29.770 | 81.3 | 81.0 | 84.3 | 78.6 | 81.4 | 89 | 72 | 73 | 73 | 76 | 76 | .818 | .807 | .46 | .32 | 4.6 | 4.0 | 4.1 |
| July | 29.918 | 30.030 | 29.740 | 81.4 | 81.8 | 84.2 | 78.0 | 81.1 | 87 | 70 | 74 | 74 | 78 | 76 | .831 | .832 | 7.95 | 4.15 | 4.9 | 4.8 | 5.0 |
| August | 29.953 | 30.160 | 29.740 | 82.4 | 82.4 | 84.7 | 79.6 | 82.2 | 89 | 71 | 75 | 75 | 79 | 79 | .875 | .871 | 2.45 | .94 | 5.0 | 5.0 | 4.7 |
| September | 29.892 | 30.020 | 29.750 | 81.3 | 81.7 | 84.1 | 77.8 | 81.0 | 87 | 71 | 74 | 73 | 78 | 76 | .836 | .816 | 2.59 | .84 | 4.2 | 3.9 | 4.5 |
| October | 29.844 | 30.020 | 29.640 | 78.3 | 79.3 | 81.1 | 76.4 | 78.8 | 87 | 70 | 72 | 72 | 81 | 78 | .792 | .781 | 1.36 | .82 | 4.2 | 3.4 | 4.0 |
| November | 29.972 | 30.180 | 29.650 | 73.6 | 74.7 | 76.3 | 71.4 | 73.8 | 81 | 64 | 66 | 66 | 78 | 76 | .654 | .657 | 1.59 | .84 | 4.6 | 3.5 | 3.9 |
| December | 30.017 | 30.190 | 29.830 | 71.5 | 72.2 | 74.3 | 69.6 | 72.0 | 77 | 56 | 65 | 64 | 79 | 77 | .622 | .621 | .18 | .17 | 3.3 | .9 | 2.2 |
| Year | 29.963 | 30.260 | 29.640 | 75.8 | 76.4 | 78.7 | 73.3 | 76.0 | 89 | 53 | 69 | 69 | 79 | 78 | .719 | .718 | 24.46 | 4.15 | 4.0 | 3.2 | 3.7 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SALT LAKE CITY, UTAH.

[$H_b$=4,360 ft.; $h_t$=147 ft.; $h_r$=141 ft.; $h_a$=189 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.5 | NW. | 48 | S. | 2 | 3 | 0 | 5 | 15 | 17 | 1 | 5 | 16 | 0 | 3 | 8 | 20 | 15 | 13 | 17 | 14 | 0 | 1 | 9 | 0 | 27 | 0 | 0 |
| February | 5.5 | NW. | 36 | NW. | 0 | 3 | 6 | 6 | 1 | 9 | 6 | 7 | 20 | 0 | 7 | 4 | 18 | 8 | 6 | 7 | 5 | 0 | 5 | 1 | 0 | 21 | 1 | 0 |
| March | 8.6 | SE. | 53 | NW. | 1 | 1 | 3 | 5 | 14 | 13 | 3 | 4 | 19 | 0 | 14 | 7 | 10 | 9 | 7 | 6 | 5 | 0 | 0 | 0 | 0 | 10 | 1 | 0 |
| April | 8.6 | NW. | 39 | NW. | 0 | 11 | 4 | 3 | 6 | 10 | 4 | 0 | 22 | 0 | 7 | 14 | 9 | 7 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| May | 9.3 | NW. | 37 | SE. | 0 | 11 | 3 | 2 | 12 | 7 | 5 | 3 | 18 | 1 | 15 | 7 | 9 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| June | 8.4 | NW. | 35 | N. | 0 | 9 | 1 | 4 | 14 | 7 | 3 | 3 | 19 | 0 | 21 | 6 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 |
| July | 8.7 | SE. | 60 | NW. | 2 | 4 | 4 | 3 | 21 | 14 | 1 | 4 | 11 | 0 | 18 | 10 | 3 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 9 | 0 |
| August | 8.3 | SE. | 37 | SE. | 0 | 5 | 4 | 5 | 15 | 11 | 4 | 0 | 17 | 1 | 20 | 8 | 3 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 8 | 0 |
| September | 7.5 | SE. | 42 | W. | 1 | 3 | 5 | 1 | 13 | 13 | 2 | 3 | 20 | 0 | 20 | 8 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 4 | 0 |
| October | 7.2 | NW. | 34 | SE. | 0 | 8 | 2 | 6 | 19 | 4 | 3 | 3 | 17 | 0 | 20 | 3 | 8 | 8 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 |
| November | 6.2 | SE. | 50 | SW. | 1 | 3 | 4 | 11 | 14 | 9 | 2 | 2 | 15 | 0 | 14 | 5 | 11 | 6 | 5 | 7 | 6 | 0 | 0 | 3 | 0 | 23 | 0 | 0 |
| December | 7.4 | SE. | 42 | NW. | 2 | 5 | 6 | 6 | 21 | 8 | 4 | 2 | 10 | 0 | 5 | 8 | 18 | 15 | 12 | 14 | 13 | 0 | 1 | 12 | 0 | 27 | 0 | 0 |
| Year | 7.8 | NW. | 60 | NW. | 9 | 66 | 42 | 57 | 165 | 122 | 38 | 36 | 204 | 2 | 164 | 88 | 114 | 90 | 68 | 55 | 45 | 1 | 7 | 25 | 23 | 112 | 33 | 0 |

SAN ANTONIO, TEX.

[$H_b$=693 ft.; $h_t$=119 ft.; $h_r$=112 ft.; $h_a$=132 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.4 | NE. | 39 | N. | 0 | 5 | 19 | 7 | 14 | 11 | 4 | 0 | 2 | 0 | 5 | 7 | 19 | 15 | 8 | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 2 | 0 |
| February | 8.5 | NE. | 34 | NE. | 0 | 5 | 18 | 9 | 6 | 11 | 5 | 1 | 3 | 0 | 12 | 12 | 5 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 0 | 0 |
| March | 9.8 | S. | 42 | N. | 1 | 8 | 10 | 7 | 11 | 11 | 12 | 0 | 3 | 0 | 23 | 6 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 2 | 0 |
| April | 9.8 | SW. | 32 | E. | 0 | 3 | 13 | 10 | 11 | 7 | 11 | 1 | 4 | 0 | 15 | 11 | 4 | 5 | 5 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 0 |
| May | 9.9 | SW. | 33 | NE. | 0 | 1 | 7 | 7 | 17 | 16 | 12 | 1 | 1 | 0 | 15 | 12 | 4 | 5 | 5 | 0 | 0 | 0 | 2 | 0 | 14 | 0 | 5 | 0 |
| June | 9.7 | SW. | 40 | SE. | 1 | 1 | 3 | 3 | 22 | 15 | 16 | 0 | 0 | 0 | 23 | 7 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 3 | 0 |
| July | 5.5 | SW. | 48 | SE. | 1 | 4 | 7 | 5 | 18 | 9 | 12 | 1 | 6 | 0 | 11 | 15 | 5 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 11 | 0 |
| August | 7.8 | SW. | 56 | SE. | 2 | 3 | 8 | 7 | 17 | 14 | 10 | 1 | 2 | 0 | 16 | 12 | 3 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 2 | 0 |
| September | 6.8 | SW. | 40 | NE. | 1 | 3 | 14 | 5 | 13 | 10 | 12 | 2 | 1 | 0 | 20 | 9 | 1 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 3 | 0 |
| October | 7.0 | SW. | 34 | N. | 0 | 5 | 14 | 7 | 12 | 13 | 8 | 1 | 2 | 0 | 22 | 7 | 2 | 4 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| November | 8.1 | SW. | 32 | NE. | 0 | 8 | 19 | 2 | 8 | 9 | 7 | 1 | 6 | 0 | 20 | 6 | 4 | 6 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 3 | 0 |
| December | 8.1 | NE. | 42 | N. | 1 | 4 | 19 | 5 | 4 | 9 | 7 | 6 | 8 | 0 | 18 | 7 | 6 | 4 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 5 | 0 | 0 |
| Year | 8.4 | SE. | 56 | SE. | 7 | 50 | 151 | 74 | 153 | 135 | 116 | 15 | 38 | 0 | 200 | 111 | 55 | 74 | 49 | 0 | 0 | 3 | 20 | 0 | 106 | 16 | 37 | 0 |

SAN DIEGO, CAL.

[$H_b$=87 ft.; $h_t$=62 ft.; $h_r$=55 ft.; $h_a$=70 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.6 | S. | 54 | S. | 2 | 3 | 6 | 9 | 6 | 9 | 7 | 8 | 14 | 0 | 10 | 5 | 16 | 14 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| February | 4.8 | NW. | 21 | W. | 0 | 6 | 10 | 3 | 3 | 6 | 4 | 3 | 23 | 0 | 13 | 8 | 8 | 5 | 4 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 |
| March | 6.4 | NW. | 46 | W. | 1 | 7 | 4 | 4 | 2 | 7 | 4 | 8 | 23 | 3 | 16 | 9 | 6 | 6 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| April | 6.0 | NW. | 22 | W. | 0 | 4 | 0 | 8 | 3 | 7 | 11 | 15 | 11 | 1 | 21 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| May | 7.3 | NW. | 24 | W. | 0 | 3 | 9 | 4 | 6 | 1 | 9 | 15 | 15 | 0 | 19 | 11 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | 6.8 | NW. | 21 | S. | 0 | 7 | 1 | 3 | 2 | 5 | 14 | 11 | 16 | 1 | 14 | 12 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| July | 6.0 | SW. | 18 | NW. | 0 | 8 | 2 | 0 | 1 | 9 | 14 | 19 | 9 | 0 | 13 | 12 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| August | 5.9 | NW. | 17 | NW. | 0 | 5 | 1 | 1 | 1 | 4 | 11 | 20 | 18 | 1 | 18 | 13 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| September | 5.8 | NW. | 19 | NW. | 0 | 5 | 2 | 1 | 0 | 4 | 7 | 20 | 21 | 0 | 14 | 13 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| October | 5.9 | NW. | 26 | S. | 0 | 4 | 9 | 6 | 3 | 3 | 6 | 11 | 20 | 0 | 17 | 10 | 4 | 6 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 4.7 | NW. | 19 | W. | 0 | 9 | 10 | 1 | 6 | 8 | 2 | 4 | 19 | 1 | 20 | 10 | 0 | 1 | 1 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| December | 5.7 | NW. | 40 | W. | 1 | 7 | 8 | 8 | 7 | 9 | 3 | 4 | 16 | 0 | 14 | 7 | 10 | 6 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Year | 6.2 | NW. | 54 | S. | 4 | 68 | 62 | 48 | 40 | 72 | 92 | 138 | 205 | 7 | 189 | 116 | 61 | 43 | 30 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 2 | 0 |

SAND KEY, FLA.

[$H_b$=23 ft.; $h_t$=39 ft.; $h_r$=6 ft.; $h_a$=72 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 18.9 | E. | 42 | SE. | 1 | 4 | 13 | 26 | 16 | 2 | 0 | 1 | 0 | 0 | 18 | 11 | 2 | 13 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 16.0 | NE. | 46 | N. | 4 | 13 | 17 | 12 | 4 | 2 | 0 | 2 | 8 | 0 | 16 | 9 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| March | 15.0 | NE. | 52 | NW. | 5 | 13 | 16 | 7 | 9 | 7 | 1 | 3 | 6 | 0 | 25 | 5 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 14.7 | E. | 41 | N. | 1 | 11 | 13 | 19 | 6 | 2 | 2 | 0 | 7 | 0 | 14 | 15 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 11.5 | E. | 52 | NW. | 1 | 8 | 16 | 15 | 11 | 3 | 1 | 4 | 4 | 0 | 15 | 11 | 5 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| June | 10.2 | SE. | 48 | S. | 1 | 3 | 5 | 22 | 26 | 3 | 0 | 0 | 1 | 0 | 14 | 11 | 5 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 |
| July | 12.4 | E. | 44 | S. | 2 | 0 | 5 | 30 | 18 | 4 | 4 | 0 | 1 | 0 | 11 | 13 | 7 | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 |
| August | 14.0 | E. | 50 | SE. | 3 | 5 | 6 | 29 | 17 | 1 | 2 | 1 | 1 | 0 | 15 | 9 | 7 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| September | 12.0 | E. | 42 | S. | 1 | 7 | 18 | 17 | 5 | 6 | 4 | 2 | 1 | 0 | 10 | 16 | 4 | 13 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 |
| October | 17.1 | NE. | 43 | NW. | 2 | 13 | 23 | 12 | 12 | 0 | 1 | 0 | 1 | 0 | 14 | 12 | 5 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| November | 23.8 | NE. | 71 | N. | 7 | 6 | 31 | 14 | 6 | 2 | 0 | 0 | 1 | 0 | 16 | 9 | 5 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| December | 15.1 | SE. | 44 | NW. | 1 | 5 | 18 | 13 | 17 | 6 | 2 | 0 | 1 | 0 | 25 | 6 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Year | 15.1 | E. | 71 | N. | 29 | 88 | 181 | 216 | 147 | 38 | 17 | 13 | 32 | 0 | 193 | 127 | 46 | 92 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SANDUSKY, OHIO.

[$\phi$=41° 25′ N.; $\lambda$=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 | 29.458 | 29.940 | 28.750 | 30.8 | 34.4 | 42.4 | 24.8 | 33.6 | 69 | − 4 | 25 | 28 | 79 | 75 | 0.161 | 0.172 | 3.62 | 1.06 | 7.2 | 6.7 | 7.3 |
| February | 29.412 | 30.000 | 28.780 | 21.2 | 24.8 | 29.7 | 17.4 | 23.6 | 54 | 1 | 16 | 20 | 80 | 78 | .095 | .107 | 1.07 | .40 | 7.0 | 7.8 | 7.5 |
| March | 29.262 | 29.740 | 28.498 | 25.8 | 31.7 | 37.8 | 22.3 | 30.0 | 77 | 9 | 21 | 26 | 82 | 80 | .121 | .153 | 3.09 | 1.17 | 6.5 | 6.0 | 6.3 |
| April | 29.264 | 29.580 | 28.910 | 45.1 | 47.9 | 54.5 | 39.9 | 47.2 | 76 | 28 | 38 | 39 | 76 | 71 | .233 | .245 | 1.37 | .40 | 6.7 | 6.4 | 6.9 |
| May | 29.238 | 29.650 | 28.740 | 57.2 | 60.6 | 66.8 | 51.5 | 59.2 | 82 | 41 | 48 | 48 | 74 | 64 | .362 | .354 | 3.60 | .73 | 6.7 | 6.0 | 6.5 |
| June | 29.214 | 29.641 | 28.807 | 62.3 | 66.0 | 73.0 | 56.7 | 64.8 | 85 | 46 | 54 | 55 | 76 | 69 | .430 | .438 | 4.36 | 1.00 | 5.7 | 4.9 | 5.6 |
| July | 29.327 | 29.570 | 28.960 | 75.1 | 78.7 | 85.3 | 70.2 | 77.8 | 98 | 63 | 66 | 66 | 73 | 65 | .637 | .638 | .26 | .12 | 3.4 | 2.7 | 3.4 |
| August | 29.341 | 29.550 | 29.100 | 71.8 | 77.0 | 83.6 | 65.9 | 74.8 | 96 | 52 | 61 | 62 | 69 | 61 | .557 | .577 | 2.28 | .81 | 3.5 | 3.1 | 3.5 |
| September | 29.361 | 29.690 | 29.000 | 60.5 | 65.9 | 73.2 | 55.9 | 64.6 | 95 | 41 | 50 | 50 | 68 | 59 | .383 | .397 | 2.03 | .98 | 5.5 | 2.9 | 5.0 |
| October | 29.413 | 29.760 | 28.680 | 48.7 | 54.8 | 62.3 | 44.0 | 53.2 | 87 | 37 | 40 | 42 | 72 | 65 | .256 | .281 | 1.24 | .53 | 4.5 | 3.5 | 4.2 |
| November | 29.401 | 29.780 | 28.490 | 38.9 | 43.0 | 49.5 | 35.0 | 42.2 | 74 | 17 | 32 | 33 | 77 | 69 | .193 | .196 | 2.19 | .53 | 5.6 | 3.5 | 5.5 |
| December | 29.301 | 29.810 | 28.800 | 25.4 | 29.6 | 35.2 | 21.3 | 28.2 | 63 | 0 | 20 | 23 | 78 | 75 | .120 | .134 | 2.09 | .59 | 6.5 | 5.5 | 6.2 |
| Year | 29.333 | 30.000 | 28.490 | 46.9 | 51.2 | 57.8 | 42.1 | 49.9 | 98 | − 4 | 39 | 41 | 75 | 69 | .206 | .308 | 27.20 | 1.17 | 5.7 | 4.9 | 5.7 |

SANDY HOOK, N. J.

[$\phi$=40° 28′ N.; $\lambda$=74° 01′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.211 | 30.670 | 29.550 | 33.4 | 35.9 | 41.7 | 28.3 | 35.0 | 63 | 10 | 28 | 29 | 80 | 76 | 0.170 | 0.177 | 1.14 | 0.31 | 6.3 | 5.1 | 5.9 |
| February | 29.292 | 30.580 | 29.000 | 26.3 | 29.6 | 34.7 | 23.1 | 28.9 | 60 | 6 | 22 | 23 | 81 | 75 | .125 | .130 | 4.60 | 1.91 | 6.3 | 6.3 | 6.3 |
| March | 29.907 | 30.340 | 29.120 | 28.8 | 31.9 | 36.7 | 26.0 | 31.4 | 58 | 9 | 24 | 26 | 80 | 77 | .133 | .142 | 3.66 | .86 | 5.0 | 4.9 | 5.4 |
| April | 29.907 | 30.290 | 29.280 | 43.2 | 45.0 | 51.1 | 40.5 | 45.8 | 63 | 32 | 38 | 40 | 83 | 82 | .232 | .244 | 3.47 | 1.81 | 5.5 | 6.0 | 6.5 |
| May | 29.896 | 30.319 | 29.340 | 55.8 | 58.3 | 65.6 | 52.0 | 58.8 | 79 | 44 | 50 | 51 | 81 | 78 | .365 | .377 | 3.57 | 2.43 | 6.2 | 4.7 | 5.7 |
| June | 29.921 | 30.144 | 29.590 | 61.2 | 63.6 | 69.8 | 58.3 | 64.0 | 82 | 53 | 56 | 59 | 86 | 85 | .462 | .500 | 3.48 | 1.25 | 5.3 | 6.7 | 6.1 |
| July | 29.981 | 30.330 | 29.530 | 71.1 | 72.5 | 79.6 | 67.5 | 73.6 | 90 | 60 | 67 | 68 | 87 | 85 | .671 | .680 | 3.23 | .96 | 6.2 | 6.9 | 6.9 |
| August | 29.966 | 30.256 | 29.580 | 70.7 | 72.7 | 80.8 | 67.3 | 74.0 | 92 | 60 | 65 | 65 | 82 | 77 | .624 | .625 | 1.16 | .45 | 4.9 | 3.8 | 4.4 |
| September | 30.041 | 30.490 | 29.690 | 64.2 | 66.9 | 73.5 | 60.5 | 67.0 | 90 | 49 | 56 | 57 | 77 | 72 | .478 | .489 | 1.29 | .40 | 3.7 | 2.9 | 3.7 |
| October | 30.122 | 30.490 | 29.590 | 54.2 | 57.9 | 64.1 | 50.7 | 57.4 | 84 | 43 | 46 | 48 | 76 | 72 | .336 | .361 | .92 | .63 | 3.6 | 2.4 | 3.9 |
| November | 30.111 | 30.530 | 29.160 | 42.6 | 46.4 | 51.5 | 39.9 | 45.7 | 68 | 28 | 35 | 36 | 76 | 67 | .219 | .223 | 1.51 | .62 | 4.2 | 3.6 | 4.5 |
| December | [1] 29.989 | [2] 30.500 | [2] 28.980 | 32.4 | 34.6 | 38.8 | 29.8 | 34.3 | 60 | 17 | 26 | 26 | 75 | 70 | .144 | .147 | 4.67 | 1.01 | 4.6 | 2.5 | 5.0 |
| Year | 30.004 | 30.670 | 28.980 | 48.7 | 51.3 | 57.3 | 45.3 | 51.3 | 92 | 6 | 43 | 44 | 80 | 76 | .330 | .341 | 32.70 | 2.43 | 5.2 | 4.6 | 5.4 |

SAN FRANCISCO, CAL.

[$\phi$=37° 48′ N.; $\lambda$=122° 26′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.790 | 30.450 | 28.680 | 43.8 | 49.2 | 51.6 | 42.4 | 47.0 | 58 | 37 | 40 | 41 | 88 | 74 | 0.255 | 0.260 | 14.59 | 3.52 | 7.9 | 7.1 | 8.2 |
| February | 29.933 | 30.450 | 29.620 | 51.5 | 59.4 | 62.2 | 49.5 | 55.8 | 72 | 41 | 48 | 50 | 87 | 74 | .331 | .369 | 3.77 | 1.60 | 5.1 | 5.9 | 5.8 |
| March | 29.928 | 30.300 | 29.549 | 51.3 | 60.3 | 64.0 | 49.2 | 56.6 | 77 | 44 | 45 | 46 | 80 | 62 | .305 | .319 | 1.33 | .65 | 3.7 | 4.0 | 3.6 |
| April | 29.907 | 30.090 | 29.680 | 51.6 | 60.7 | 65.2 | 50.0 | 57.6 | 83 | 46 | 46 | 46 | 83 | 61 | .312 | .312 | 0 | 0 | 2.7 | 1.6 | 1.8 |
| May | 29.844 | 30.150 | 29.620 | 50.3 | 58.0 | 62.9 | 48.7 | 55.8 | 79 | 46 | 43 | 45 | 79 | 62 | .284 | .299 | .07 | .07 | 3.8 | 1.5 | 2.4 |
| June | 29.799 | 29.990 | 29.623 | 51.6 | 59.9 | 64.3 | 50.6 | 57.4 | 76 | 47 | 47 | 48 | 86 | 66 | .326 | .337 | T. | T. | 3.6 | 1.5 | 2.3 |
| July | 29.759 | 29.910 | 29.580 | 54.1 | 62.4 | 67.4 | 52.6 | 60.0 | 84 | 49 | 51 | 52 | 89 | 69 | .372 | .387 | .03 | .03 | 3.8 | .6 | 1.4 |
| August | 29.769 | 29.970 | 29.580 | 53.1 | 59.8 | 65.0 | 52.0 | 58.5 | 84 | 48 | 51 | 51 | 92 | 76 | .370 | .380 | .29 | .22 | 6.5 | 3.3 | 3.7 |
| September | 29.789 | 29.940 | 29.620 | 55.5 | 63.5 | 70.6 | 53.8 | 62.2 | 87 | 50 | 52 | 51 | 89 | 68 | .392 | .384 | 1.20 | .74 | 4.8 | 3.2 | 3.3 |
| October | 29.873 | 30.190 | 29.597 | 52.2 | 57.8 | 63.0 | 50.8 | 56.9 | 77 | 46 | 49 | 48 | 90 | 73 | .349 | .343 | .52 | .21 | 5.4 | 3.7 | 5.9 |
| November | 29.998 | 30.220 | 29.680 | 49.3 | 57.2 | 61.7 | 47.2 | 54.4 | 73 | 44 | 42 | 39 | 78 | 56 | .276 | .255 | 1.50 | .76 | 2.4 | 3.7 | 3.2 |
| December | 29.907 | 30.320 | 29.280 | 45.8 | 51.5 | 54.8 | 43.0 | 48.9 | 62 | 37 | 40 | 40 | 83 | 67 | .257 | .253 | 4.79 | 1.30 | 3.9 | 4.6 | 4.2 |
| Year | 29.858 | 30.450 | 28.680 | 50.8 | 58.3 | 62.7 | 49.2 | 55.9 | 87 | 37 | 46 | 46 | 85 | 67 | .319 | .325 | 28.09 | 3.52 | 4.5 | 3.4 | 3.8 |

SAN JOSE, CAL.

[$\phi$=37° 30′ N.; $\lambda$=121° 54′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.846 | 30.450 | 28.670 | ..... | 50.3 | 52.4 | 39.9 | 46.2 | 60 | 29 | .... | 42 | .... | 74 | ..... | 0.273 | 8.71 | 2.78 | ..... | 7.9 | 8.4 |
| February | 29.948 | 30.460 | 29.703 | ..... | 61.9 | 64.5 | 46.0 | 55.2 | 75 | 31 | .... | 50 | .... | 66 | ..... | .360 | 1.83 | 1.04 | ..... | 5.6 | 5.8 |
| March | 29.944 | 30.300 | 29.600 | ..... | 64.1 | 66.3 | 43.7 | 55.0 | 81 | 33 | .... | 47 | .... | 56 | ..... | .329 | 1.10 | .31 | ..... | 3.5 | 3.7 |
| April | 29.919 | 30.110 | 29.720 | ..... | 67.6 | 70.9 | 44.3 | 57.6 | 85 | 36 | .... | 47 | .... | 50 | ..... | .328 | .06 | .06 | ..... | 1.0 | 1.5 |
| May | 29.875 | 30.131 | 29.690 | ..... | 65.7 | 70.2 | 44.5 | 57.4 | 87 | 35 | .... | 46 | .... | 49 | ..... | .311 | .01 | .01 | ..... | 1.5 | 2.2 |
| June | 29.828 | 30.007 | 29.670 | ..... | 71.2 | 76.1 | 48.8 | 62.4 | 91 | 41 | .... | 52 | .... | 52 | ..... | .390 | T. | T. | ..... | .6 | 2.0 |
| July | 29.798 | 29.940 | 29.680 | ..... | 76.8 | 81.6 | 51.0 | 66.3 | 98 | 45 | .... | 54 | .... | 47 | ..... | .425 | T. | T. | ..... | .3 | .8 |
| August | 29.806 | 29.965 | 29.682 | ..... | 73.7 | 78.9 | 52.3 | 65.6 | 92 | 44 | .... | 55 | .... | 54 | ..... | .439 | .01 | .01 | ..... | .4 | 2.1 |
| September | 29.821 | 29.992 | 29.686 | ..... | 73.2 | 78.7 | 50.8 | 64.8 | 93 | 44 | .... | 54 | .... | 54 | ..... | .417 | .78 | .60 | ..... | 1.8 | 2.5 |
| October | 29.903 | 30.147 | 29.650 | ..... | 61.1 | 65.4 | 46.1 | 55.8 | 78 | 35 | .... | 50 | .... | 68 | ..... | .357 | .84 | .47 | ..... | 3.5 | 5.3 |
| November | 30.008 | 30.189 | 29.720 | ..... | 58.8 | 63.7 | 37.6 | 50.6 | 75 | 27 | .... | 38 | .... | 51 | ..... | .247 | .41 | .36 | ..... | 3.3 | 2.8 |
| December | 29.942 | 30.810 | 29.386 | ..... | 51.3 | 55.2 | 35.1 | 44.2 | 63 | 28 | .... | 41 | .... | 68 | ..... | .289 | 3.48 | 1.04 | ..... | 5.2 | 5.3 |
| Year | 29.886 | 30.460 | 28.670 | ..... | 64.6 | 68.7 | 45.0 | 56.8 | 98 | 27 | .... | 48 | .... | 57 | ..... | .345 | 17.23 | 2.78 | ..... | 2.9 | 3.5 |

[1] For 18 days.

[2] Corresponds for barograph trace, estimated.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SANDUSKY, OHIO.

[$H_b$=629 ft.; $h_t$=62 ft.; $h_r$=54 ft.; $h_a$=103 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 16.1 | W. | 46 | W. | 4 | 2 | 1 | 6 | 2 | 11 | 15 | 18 | 7 | 0 | 3 | 12 | 16 | 16 | 12 | 9 | 5 | 0 | 0 | 10 | 0 | 22 | 0 | 0 |
| February | 14.3 | W. | 48 | N. | 3 | 6 | 7 | 2 | 4 | 4 | 9 | 15 | 11 | 0 | 2 | 10 | 17 | 12 | 8 | 20 | 10 | 0 | 0 | 21 | 0 | 29 | 1 | 0 |
| March | 14.0 | NW. | 48 | N. | 7 | 8 | 10 | 9 | 7 | 1 | 4 | 10 | 13 | 0 | 7 | 10 | 14 | 15 | 11 | 15 | 11 | 0 | 2 | 13 | 0 | 25 | 2 | 0 |
| April | 13.3 | W. | 48 | SW. | 2 | 5 | 5 | 13 | 1 | 3 | 4 | 24 | 5 | 0 | 3 | 15 | 12 | 12 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 4 | 3 | 1 |
| May | 12.6 | SW. | 44 | SW. | 1 | 2 | 5 | 14 | 3 | 7 | 13 | 11 | 7 | 0 | 4 | 15 | 12 | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| June | 10.3 | SW. | 38 | SW. | 0 | 5 | 5 | 12 | 5 | 12 | 10 | 3 | 8 | 0 | 3 | 21 | 6 | 14 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 0 |
| July | 8.5 | E. | 39 | NW. | 0 | 4 | 10 | 18 | 5 | 8 | 10 | 5 | 2 | 0 | 17 | 11 | 3 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 |
| August | 9.3 | SW. | 44 | N. | 1 | 6 | 7 | 6 | 11 | 7 | 13 | 6 | 6 | 0 | 14 | 15 | 2 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 8 | 0 |
| September | 11.8 | SW. | 42 | NW. | 1 | 4 | 3 | 3 | 4 | 11 | 20 | 11 | 4 | 0 | 9 | 14 | 7 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 |
| October | 12.4 | SW | 44 | SW. | 1 | 3 | 0 | 11 | 7 | 19 | 15 | 6 | 1 | 0 | 14 | 9 | 8 | 9 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 |
| November | 15.4 | SW | 46 | W. | 2 | 1 | 3 | 5 | 5 | 6 | 27 | 13 | 0 | 0 | 11 | 7 | 12 | 9 | 8 | 5 | 2 | 0 | 0 | 2 | 0 | 10 | 1 | 0 |
| December | 14.4 | SW. | 43 | SW. | 4 | 1 | 0 | 3 | 5 | 9 | 27 | 15 | 2 | 0 | 10 | 8 | 13 | 18 | 10 | 15 | 12 | 0 | 0 | 15 | 0 | 25 | 1 | 0 |
| Year | 12.7 | SW. | 48 | N. | 26 | 47 | 56 | 102 | 59 | 98 | 167 | 137 | 66 | 0 | 97 | 147 | 122 | 137 | 101 | 67 | 42 | 2 | 3 | 61 | 15 | 115 | 48 | 2 |

SANDY HOOK, N. J.

[$H_b$=22 ft.; $h_t$=10 ft.; $h_r$=3 ft.; $h_a$=57 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 17.6 | SW. | 53 | SW. | 9 | 4 | 7 | 2 | 3 | 10 | 12 | 13 | 11 | 0 | 8 | 10 | 13 | 13 | 8 | 4 | 2 | 0 | 4 | 7 | 0 | 17 | 0 | 0 |
| February | 20.9 | W. | 63 | W. | 12 | 9 | 9 | 0 | 1 | 5 | 9 | 12 | 13 | 0 | 7 | 9 | 13 | 14 | 9 | 9 | 7 | 0 | 3 | 14 | 0 | 26 | 0 | 0 |
| March | 19.2 | NW. | 52 | NW. | 9 | 8 | 11 | 3 | 3 | 5 | 7 | 8 | 17 | 0 | 12 | 8 | 11 | 14 | 10 | 12 | 10 | 0 | 2 | 8 | 0 | 24 | 1 | 0 |
| April | 15.5 | NW. | 59 | NW. | 5 | 3 | 12 | 7 | 2 | 9 | 4 | 8 | 15 | 0 | 6 | 9 | 15 | 15 | 7 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| May | 13.6 | NW. | 41 | NW. | 3 | 1 | 7 | 5 | 8 | 9 | 9 | 12 | 11 | 0 | 9 | 11 | 11 | 15 | 9 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 5 | 0 |
| June | 12.9 | NW. | 40 | W. | 1 | 6 | 8 | 11 | 7 | 9 | 3 | 6 | 10 | 0 | 9 | 7 | 14 | 12 | 9 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 5 | 0 |
| July | 12.4 | S. | 48 | N. | 4 | 1 | 8 | 7 | 7 | 15 | 12 | 7 | 5 | 0 | 5 | 10 | 16 | 12 | 10 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 6 | 0 |
| August | 12.4 | S. | 47 | N. | 3 | 7 | 7 | 5 | 0 | 19 | 10 | 6 | 8 | 0 | 13 | 13 | 5 | 6 | 5 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 3 | 0 |
| September | 16.4 | S. | 56 | NW. | 3 | 3 | 7 | 1 | 3 | 20 | 11 | 6 | 9 | 0 | 15 | 12 | 3 | 7 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 4 | 0 |
| October | 15.4 | S. | 54 | S. | 7 | 4 | 11 | 4 | 3 | 14 | 8 | 7 | 10 | 1 | 17 | 8 | 6 | 4 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| November | 17.3 | SW. | 57 | SW. | 7 | 2 | 8 | 1 | 0 | 14 | 13 | 12 | 10 | 0 | 16 | 4 | 10 | 7 | 5 | 2 | 1 | 0 | 2 | 0 | 0 | 4 | 0 | 0 |
| December | 19.4 | NW. | 65 | NW. | 9 | 2 | 5 | 2 | 4 | 4 | 12 | 16 | 17 | 0 | 13 | 8 | 10 | 12 | 11 | 7 | 6 | 0 | 2 | 8 | 0 | 18 | 1 | 0 |
| Year | 16.1 | NW. | 65 | NW. | 72 | 50 | 100 | 48 | 41 | 133 | 110 | 113 | 136 | 1 | 130 | 109 | 127 | 131 | 99 | 36 | 28 | 1 | 32 | 37 | 5 | 89 | 26 | 1 |

SAN FRANCISCO, CAL.

[$H_b$= 155 ft.; $h_t$=209 ft.; $h_r$=200 ft.; $h_a$=213 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.5 | SE. | 48 | SW. | 2 | 8 | 10 | 2 | 14 | 5 | 11 | 4 | 8 | 0 | 4 | 2 | 25 | 26 | 22 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 5.7 | N. | 28 | NW. | 0 | 13 | 5 | 1 | 6 | 7 | 12 | 1 | 13 | 0 | 10 | 4 | 15 | 15 | 12 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| March | 7.5 | NW. | 30 | NE. | 0 | 7 | 5 | 1 | 3 | 4 | 16 | 8 | 17 | 1 | 18 | 4 | 9 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 9.6 | SW. | 31 | SW. | 0 | 2 | 9 | 1 | 1 | 3 | 15 | 21 | 17 | 0 | 22 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| May | 11.2 | SW. | 34 | SW. | 0 | 4 | 1 | 0 | 0 | 3 | 24 | 20 | 10 | 0 | 23 | 5 | 3 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| June | 11.7 | SW. | [1]38 | SW. | 0 | 0 | 0 | 0 | 0 | 1 | 31 | 26 | 2 | 0 | 21 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| July | 12.5 | SW. | 35 | SW. | 0 | 0 | 0 | 0 | 0 | 5 | 37 | 18 | 2 | 0 | 26 | 5 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| August | 11.8 | SW. | 38 | SW. | 0 | 0 | 0 | 0 | 1 | 2 | 48 | 11 | 0 | 0 | 13 | 14 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| September | 8.5 | SW. | 32 | SW. | 0 | 0 | 1 | 1 | 1 | 2 | 32 | 17 | 4 | 2 | 18 | 7 | 5 | 3 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| October | 6.9 | SW. | 25 | SW. | 0 | 5 | 2 | 1 | 3 | 5 | 20 | 18 | 8 | 0 | 7 | 11 | 13 | 7 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| November | 6.3 | NE. | 27 | SW. | 0 | 7 | 12 | 5 | 3 | 5 | 10 | 6 | 12 | 0 | 19 | 6 | 5 | 5 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| December | 7.4 | N. | 43 | SW. | 2 | 16 | 8 | 0 | 6 | 7 | 6 | 9 | 10 | 0 | 16 | 4 | 11 | 15 | 13 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 0 |
| Year | 9.0 | SW. | [2]48 | SW. | 4 | 62 | 44 | 12 | 38 | 49 | 262 | 159 | 103 | 3 | 197 | 77 | 92 | 82 | 67 | 3 | 0 | 6 | 17 | 0 | 0 | 0 | 4 | 0 |

SAN JOSE, CAL.

[$H_b$= 141 ft.; $h_t$=12 ft.; $h_r$=3 ft.; $h_a$=110 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.7 | SE. | 46 | SE. | 2 | 0 | 0 | 2 | 12 | 4 | 2 | 7 | 4 | 0 | 2 | 2 | 27 | 20 | 16 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| February | 5.2 | SE. | 25 | SE. | 0 | 0 | 1 | 0 | 6 | 3 | 1 | 7 | 11 | 0 | 9 | 6 | 14 | 9 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| March | 5.7 | NW. | 28 | SE. | 0 | 1 | 0 | 0 | 2 | 2 | 0 | 8 | 18 | 0 | 17 | 6 | 8 | 8 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| April | 5.5 | NW. | 24 | W. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 25 | 0 | 28 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| May | 5.2 | NW. | 24 | W. | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 4 | 25 | 0 | 22 | 8 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| June | 3.9 | NW. | 20 | NW. | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 26 | 0 | 27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |
| July | 6.6 | NW. | 25 | SE. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 29 | 0 | 30 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 |
| August | 6.0 | NW. | 24 | NW. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 29 | 0 | 25 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 1 | 0 |
| September | 5.2 | NW. | 24 | S. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 26 | 0 | 22 | 5 | 3 | 2 | 2 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 1 | 0 |
| October | 4.4 | NW. | 24 | NW. | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 4 | 24 | 0 | 10 | 9 | 12 | 8 | 5 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 |
| November | 5 5 | NW. | 26 | N. | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 9 | 17 | 0 | 23 | 2 | 5 | 3 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 |
| December | 6.1 | W. | 36 | SE. | 0 | 0 | 0 | 1 | 3 | 1 | 3 | 13 | 10 | 0 | 14 | 3 | 14 | 13 | 11 | 0 | 0 | 0 | 2 | 0 | 0 | 16 | 1 | 0 |
| Year | 5.7 | NW. | 46 | SE. | 2 | 3 | 1 | 5 | 25 | 14 | 8 | 66 | 244 | 0 | 229 | 53 | 84 | 66 | 53 | 1 | 0 | 1 | 29 | 0 | 11 | 26 | 3 | 0 |

[1] For 29 da. 22 hr. 50 min.

[2] For 365 da. 22 hr. 50 min.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SAN JUAN, PORTO RICO.

[$\phi$=18° 29′ N.; $\lambda$=66° 7′ 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 | 29.986 | 30.138 | 29.850 | 75.2 | ..... | 78.7 | 70.8 | 74.8 | 83 | 66 | 68 | .... | 80 | .... | 0.699 | ..... | 3.79 | 0.91 | 6.5 | ..... | 6.2 |
| February | 29.933 | 30.100 | 29.680 | 74.2 | ..... | 79.6 | 69.7 | 74.6 | 88 | 65 | 68 | .... | 82 | .... | .685 | ..... | 1.66 | .44 | 5.0 | ..... | 4.9 |
| March | 29.932 | 30.054 | 29.790 | 75.6 | ..... | 79.9 | 69.5 | 74.7 | 83 | 65 | 66 | .... | 73 | .... | .644 | ..... | .47 | .21 | 2.5 | ..... | 3.4 |
| April | 29.901 | 30.055 | 29.760 | 78.0 | ..... | 82.2 | 71.1 | 76.6 | 90 | 65 | 68 | .... | 72 | .... | .690 | ..... | 3.61 | 3.13 | 4.2 | ..... | 4.3 |
| May | 29.883 | 29.977 | 29.720 | 81.2 | ..... | 84.7 | 74.0 | 79.4 | 90 | 70 | 73 | .... | 76 | .... | .809 | ..... | 3.97 | 1.91 | 3.6 | ..... | 4.9 |
| June | 29.887 | 29.966 | 29.740 | 82.5 | ..... | 86.0 | 74.7 | 80.4 | 91 | 73 | 73 | .... | 74 | .... | .816 | ..... | 3.94 | 1.19 | 4.1 | ..... | 6.1 |
| July | 29.888 | 29.990 | 29.660 | 81.2 | ..... | 85.6 | 74.9 | 80.2 | 90 | 72 | 74 | .... | 79 | .... | .829 | ..... | 8.44 | 2.01 | 5.1 | ..... | 6.9 |
| August | 29.898 | 30.056 | 29.440 | 81.7 | ..... | 85.4 | 75.5 | 80.4 | 91 | 69 | 74 | .... | 78 | .... | .843 | ..... | 7.58 | 1.74 | 4.7 | ..... | 5.5 |
| September | 29.849 | 29.937 | 29.740 | 80.9 | ..... | 85.3 | 74.7 | 80.0 | 89 | 72 | 73 | .... | 78 | .... | .820 | ..... | 8.52 | 2.10 | 4.3 | ..... | 5.6 |
| October | 29.788 | 29.930 | 29.490 | 79.8 | ..... | 84.5 | 74.0 | 79.2 | 90 | 71 | 72 | .... | 78 | .... | .794 | ..... | 9.62 | 2.10 | 4.7 | ..... | 6.2 |
| November | 29.848 | 29.990 | 29.700 | 78.2 | ..... | 82.2 | 72.8 | 77.5 | 89 | 70 | 71 | .... | 80 | .... | .769 | ..... | 8.15 | 1.58 | 4.3 | ..... | 5.4 |
| December | 29.932 | 30.058 | 29.790 | 74.9 | ..... | 79.6 | 69.9 | 74.8 | 82 | 65 | 67 | .... | 76 | .... | .658 | ..... | 1.69 | .69 | 5.3 | ..... | 4.4 |
| Year | 29.894 | 30.138 | 29.440 | 78.6 | ..... | 82.8 | 72.6 | 77.7 | 91 | 65 | 71 | .... | 77 | .... | .755 | ..... | 61.44 | 3.13 | 4.5 | ..... | 5.3 |

SAN LUIS OBISPO, CAL.

[$\phi$=35° 18′ N.; $\lambda$=120° 39′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.823 | 30.350 | 29.170 | 43.5 | 51.1 | 54.4 | 40.2 | 47.3 | 62 | 29 | 41 | 44 | 91 | 79 | 0.266 | 0.295 | 18.25 | 3.57 | 6.3 | 6.5 | 7.1 |
| February | 29.904 | 30.350 | 29.700 | 49.4 | 62.7 | 66.6 | 46.3 | 56.4 | 85 | 36 | 46 | 50 | 87 | 66 | .309 | .358 | 2.38 | 1.03 | 4.2 | 5.1 | 5.3 |
| March | 29.876 | 30.200 | 29.650 | 50.3 | 63.6 | 68.8 | 47.0 | 57.9 | 91 | 37 | 45 | 50 | 85 | 65 | .305 | .371 | 2.12 | .91 | 2.9 | 2.7 | 3.3 |
| April | 29.848 | 30.050 | 29.650 | 50.2 | 63.0 | 72.0 | 45.9 | 59.0 | 86 | 37 | 44 | 49 | 82 | 62 | .294 | .346 | .21 | .20 | 2.5 | 2.0 | 2.3 |
| May | 29.813 | 29.950 | 29.660 | 48.0 | 59.9 | 67.1 | 45.6 | 56.4 | 80 | 39 | 43 | 49 | 84 | 67 | .278 | .343 | .04 | .02 | 4.5 | 1.9 | 2.9 |
| June | 29.767 | 29.930 | 29.595 | 49.6 | 64.4 | 71.5 | 47.4 | 59.4 | 89 | 41 | 45 | 50 | 89 | 62 | .315 | .363 | 0 | 0 | 4.1 | .8 | 2.6 |
| July | 29.730 | 29.850 | 29.600 | 51.5 | 68.6 | 74.2 | 50.2 | 62.2 | 81 | 43 | 49 | 54 | 92 | 60 | .353 | .416 | 0 | 0 | 6.1 | .2 | 2.6 |
| August | 29.740 | 29.900 | 29.570 | 52.0 | 68.1 | 75.1 | 50.7 | 62.9 | 85 | 46 | 49 | 54 | 91 | 62 | .351 | .421 | T. | T. | 6.9 | 1.4 | 3.5 |
| September | 29.744 | 29.880 | 29.580 | 53.2 | 68.5 | 76.4 | 50.2 | 63.3 | 96 | 45 | 50 | 54 | 91 | 62 | .361 | .417 | 1.94 | 1.66 | 3.0 | 1.0 | 3.1 |
| October | 29.829 | 30.080 | 29.598 | 50.9 | 60.3 | 66.4 | 48.5 | 57.4 | 88 | 40 | 46 | 49 | 86 | 70 | .313 | .350 | 1.82 | .75 | 4.2 | 4.5 | 4.6 |
| November | 29.931 | 30.100 | 29.690 | 45.5 | 60.9 | 68.7 | 40.5 | 54.6 | 84 | 32 | 37 | 42 | 75 | 54 | .224 | .276 | .38 | .38 | .8 | 2.3 | 2.7 |
| December | 29.875 | 30.230 | 29.360 | 43.0 | 54.8 | 60.1 | 39.0 | 49.6 | 73 | 29 | 37 | 41 | 81 | 63 | .228 | .265 | 9.26 | 4.61 | 3.4 | 3.9 | 4.7 |
| Year | 29.823 | 30.350 | 29.170 | 48.9 | 62.2 | 68.4 | 46.0 | 57.2 | 96 | 29 | 44 | 49 | 86 | 64 | .300 | .352 | 36.40 | 4.61 | 4.1 | 2.7 | 3.7 |

SANTA FE, N. MEX.

[$\phi$=35° 41′ N.; $\lambda$=105° 57′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 23.159 | 23.450 | 22.740 | 26.2 | 32.0 | 39.1 | 22.0 | 30.6 | 52 | 2 | 21 | 24 | 89 | 70 | 0.116 | 0.129 | 3.02 | 0.72 | 4.8 | 5.5 | 5.7 |
| February | 23.295 | 23.590 | 22.880 | 29.3 | 41.3 | 47.4 | 26.4 | 36.9 | 57 | −2 | 20 | 22 | 66 | 48 | .107 | .119 | .20 | .12 | 2.8 | 3.3 | 3.6 |
| March | 23.235 | 23.500 | 22.757 | 34.7 | 50.6 | 55.4 | 31.9 | 43.6 | 68 | 20 | 22 | 20 | 62 | 33 | .121 | .107 | 1.36 | .39 | 4.3 | 4.6 | 4.1 |
| April | 23.204 | 23.400 | 22.950 | 36.7 | 53.1 | 58.2 | 35.0 | 46.6 | 72 | 21 | 26 | 25 | 67 | 39 | .142 | .138 | 2.50 | 1.36 | 4.2 | 5.9 | 4.8 |
| May | 23.178 | 23.360 | 22.920 | 44.9 | 65.7 | 68.2 | 42.9 | 55.6 | 81 | 30 | 26 | 24 | 47 | 24 | .136 | .139 | .07 | .04 | 2.6 | 3.0 | 3.3 |
| June | 23.254 | 23.450 | 23.010 | 55.5 | 77.0 | 79.7 | 52.7 | 66.2 | 87 | 44 | 28 | 25 | 36 | 16 | .156 | .134 | .38 | .38 | .9 | 2.5 | 2.4 |
| July | 23.369 | 23.560 | 23.180 | 60.5 | 71.5 | 79.1 | 58.5 | 68.8 | 90 | 52 | 46 | 47 | 61 | 48 | .318 | .340 | 2.77 | .67 | 4.2 | 7.0 | 5.5 |
| August | 23.365 | 23.570 | 23.160 | 57.1 | 70.7 | 77.2 | 56.3 | 66.8 | 84 | 49 | 49 | 49 | 76 | 48 | .354 | .351 | 1.67 | .56 | 3.1 | 7.0 | 5.4 |
| September | 23.334 | 23.500 | 23.100 | 50.7 | 66.1 | 72.4 | 49.2 | 60.8 | 82 | 39 | 41 | 37 | 69 | 36 | .263 | .228 | 1.45 | .60 | 2.2 | 3.8 | 3.8 |
| October | 23.290 | 23.550 | 23.050 | 43.4 | 53.1 | 60.5 | 41.0 | 50.8 | 71 | 30 | 32 | 32 | 65 | 49 | .188 | .192 | 2.76 | 1.13 | 3.4 | 3.4 | 3.7 |
| November | 23.278 | 23.540 | 23.010 | 30.6 | 40.6 | 50.8 | 27.0 | 38.9 | 68 | 10 | 17 | 18 | 54 | 39 | .091 | .097 | .06 | .06 | 1.2 | .6 | 2.0 |
| December | 23.113 | 23.400 | 22.600 | 22.4 | 30.4 | 37.9 | 17.9 | 27.9 | 58 | 2 | 14 | 15 | 68 | 52 | .082 | .094 | .17 | .09 | 3.0 | 3.5 | 4.7 |
| Year | 23.255 | 23.590 | 22.600 | 41.0 | 54.3 | 60.5 | 38.4 | 49.5 | 90 | −2 | 28 | 28 | 63 | 42 | .173 | .172 | 16.41 | 1.36 | 3.1 | 4.2 | 4.1 |

SAULT STE. MARIE, MICH.

[$\phi$=46° 30′ N.; $\lambda$=84° 21′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.324 | 29.960 | 28.610 | 14.8 | 18.6 | 25.1 | 8.8 | 17.0 | 44 | −17 | 11 | 13 | 84 | 78 | 0.083 | 0.088 | 3.18 | 0.66 | 8.1 | 7.5 | 8.4 |
| February | 29.374 | 29.955 | 28.870 | 5.9 | 14.0 | 19.4 | 3.4 | 11.4 | 41 | −16 | 2 | 9 | 81 | 79 | .049 | .067 | .57 | .14 | 8.2 | 6.4 | 6.7 |
| March | 29.309 | 29.820 | 28.550 | 10.6 | 20.8 | 26.0 | 6.4 | 16.2 | 53 | −16 | 6 | 14 | 81 | 74 | .068 | .087 | 2.01 | .66 | 5.6 | 4.7 | 5.8 |
| April | 29.261 | 29.650 | 28.780 | 34.0 | 39.2 | 44.6 | 30.7 | 37.6 | 66 | 15 | 30 | 31 | 83 | 73 | .167 | .175 | 3.18 | .60 | 7.7 | 6.6 | 6.8 |
| May | 29.195 | 29.680 | 28.520 | 44.9 | 49.4 | 56.2 | 38.0 | 47.1 | 76 | 29 | 38 | 37 | 77 | 64 | .234 | .227 | 3.17 | .88 | 5.4 | 6.7 | 6.3 |
| June | 29.210 | 29.660 | 28.590 | 52.2 | 57.5 | 64.4 | 46.1 | 55.2 | 78 | 37 | 48 | 47 | 88 | 71 | .347 | .336 | 4.15 | 1.23 | 6.9 | 7.4 | 6.9 |
| July | 29.341 | 29.650 | 29.037 | 64.7 | 72.6 | 81.3 | 56.6 | 69.0 | 98 | 48 | 58 | 59 | 79 | 63 | .489 | .508 | .81 | .60 | 3.6 | 3.7 | 3.7 |
| August | 29.296 | 29.698 | 29.020 | 61.8 | 66.6 | 75.4 | 55.1 | 65.2 | 91 | 40 | 57 | 56 | 86 | 71 | .482 | .473 | 3.18 | 1.18 | 5.3 | 4.3 | 5.4 |
| September | 29.279 | 29.650 | 28.768 | 51.6 | 54.2 | 61.5 | 47.2 | 54.4 | 77 | 32 | 48 | 49 | 89 | 83 | .351 | .363 | 9.35 | 5.64 | 7.4 | 6.9 | 7.8 |
| October | 29.323 | 29.740 | 28.490 | 41.0 | 44.1 | 51.0 | 36.9 | 44.0 | 79 | 28 | 38 | 39 | 88 | 82 | .234 | .242 | 5.49 | 1.30 | 9.0 | 6.3 | 7.9 |
| November | 29.311 | 29.864 | 28.436 | 29.3 | 33.0 | 36.9 | 26.9 | 31.9 | 52 | 7 | 26 | 29 | 87 | 84 | .151 | .165 | 2.62 | .44 | 9.0 | 8.7 | 9.1 |
| December | 29.200 | 29.810 | 28.650 | 17.0 | 20.3 | 24.6 | 12.1 | 18.4 | 43 | −2 | 13 | 15 | 84 | 79 | .092 | .096 | 3.31 | .81 | 7.1 | 6.9 | 7.6 |
| Year | 29.285 | 29.960 | 28.426 | 35.6 | 40.9 | 47.2 | 30.7 | 39.0 | 98 | −17 | 31 | 33 | 84 | 75 | .229 | .235 | 41.02 | 5.64 | 6.9 | 6.3 | 6.9 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SAN JUAN, PORTO RICO.

[$H_b$=82 ft.; $h_t$=9 ft.; $h_r$=4 ft.; $h_a$=54 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 22.1 | NE. | 48 | NE. | 6 | 0 | 20 | 7 | 2 | 0 | 0 | 1 | 1 | 0 | 2 | 19 | 10 | 22 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | 13.4 | NE. | 40 | NE. | 1 | 0 | 4 | 7 | 11 | 4 | 2 | 0 | 0 | 1 | 8 | 18 | 3 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| March | 13.6 | NE. | 37 | N. | 0 | 1 | 8 | 8 | 4 | 6 | 2 | 0 | 1 | 1 | 15 | 13 | 3 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| April | 12.9 | NE. | 32 | E. | 0 | 0 | 6 | 16 | 3 | 1 | 3 | 1 | 0 | 0 | 10 | 17 | 3 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| May | 11.0 | SE. | 31 | NE. | 0 | 0 | 4 | 18 | 7 | 1 | 1 | 0 | 0 | 0 | 11 | 16 | 4 | 19 | 16 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 10 | 0 |
| June | 9.0 | SE. | 36 | NE. | 0 | 0 | 2 | 16 | 7 | 2 | 2 | 1 | 0 | 0 | 3 | 19 | 8 | 18 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 19 | 0 |
| July | 11.1 | SE. | 40 | NE. | 1 | 0 | 1 | 16 | 7 | 1 | 3 | 1 | 1 | 1 | 2 | 15 | 14 | 21 | 18 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 0 |
| August | 14.7 | E. | 92 | NE. | 4 | 0 | 2 | 21 | 7 | 0 | 1 | 0 | 0 | 0 | 8 | 16 | 7 | 19 | 14 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 |
| September | 8.3 | SE. | 44 | E. | 1 | 0 | 2 | 6 | 12 | 6 | 1 | 1 | 0 | 2 | 5 | 17 | 8 | 20 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 |
| October | 9.3 | SE. | 52 | N. | 2 | 0 | 2 | 9 | 13 | 3 | 3 | 1 | 0 | 0 | 5 | 14 | 12 | 24 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| November | 12.8 | E. | 48 | NE. | 2 | 1 | 6 | 8 | 13 | 2 | 0 | 0 | 0 | 0 | 11 | 12 | 7 | 25 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| December | 15.3 | NE. | 41 | NE. | 1 | 1 | 13 | 5 | 9 | 2 | 1 | 0 | 0 | 0 | 10 | 18 | 3 | 15 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Year | 12.8 | E. | 92 | NE. | 18 | 3 | 70 | 137 | 95 | 28 | 19 | 6 | 3 | 5 | 90 | 194 | 82 | 215 | 168 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 72 | 0 |

SAN LUIS OBISPO, CAL.

[$H_b$=201 ft.; $h_t$=32 ft.; $h_r$=23 ft.; $h_a$=40 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4.4 | NW. | 25 | W. | 0 | 7 | 1 | 0 | 10 | 10 | 5 | 10 | 11 | 8 | 9 | 2 | 20 | 20 | 20 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| February | 3.7 | N. | 20 | NE. | 0 | 11 | 3 | 1 | 10 | 8 | 2 | 7 | 13 | 3 | 11 | 7 | 11 | 8 | 8 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| March | 4.8 | NW. | 25 | W. | 0 | 15 | 0 | 0 | 8 | 2 | 2 | 12 | 16 | 7 | 20 | 4 | 7 | 8 | 7 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 |
| April | 4.8 | NW. | 18 | W. | 0 | 9 | 0 | 2 | 0 | 6 | 0 | 18 | 20 | 5 | 23 | 4 | 3 | 3 | 2 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| May | 5.7 | W. | 24 | W. | 0 | 5 | 1 | 2 | 0 | 2 | 1 | 27 | 21 | 3 | 18 | 11 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| June | 4.9 | W. | 18 | W. | 0 | 6 | 0 | 0 | 2 | 1 | 3 | 25 | 20 | 3 | 20 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| July | 4.0 | NW. | 20 | W. | 0 | 2 | 0 | 0 | 6 | 5 | 8 | 21 | 16 | 4 | 22 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| August | 3.5 | NW. | 20 | W. | 0 | 5 | 0 | 3 | 3 | 11 | 5 | 19 | 13 | 3 | 14 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 |
| September | 3.7 | NW. | 22 | W. | 0 | 7 | 4 | 2 | 8 | 4 | 9 | 12 | 13 | 1 | 18 | 9 | 3 | 2 | 2 | 0 | 0 | 0 | 11 | 0 | 1 | 0 | 0 | 0 |
| October | 3.8 | NW. | 24 | NE. | 0 | 14 | 2 | 2 | 3 | 2 | 2 | 23 | 11 | 3 | 14 | 8 | 9 | 6 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| November | 3.7 | N. | 23 | N. | 0 | 23 | 5 | 1 | 1 | 1 | 0 | 10 | 15 | 4 | 23 | 4 | 3 | 2 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| December | 4.1 | N. | 22 | N. | 0 | 20 | 5 | 3 | 6 | 5 | 1 | 7 | 11 | 4 | 16 | 6 | 9 | 11 | 10 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 |
| Year | 4.3 | W. | 25 | W. | 0 | 124 | 21 | 16 | 57 | 57 | 38 | 191 | 180 | 48 | 208 | 91 | 67 | 62 | 56 | 1 | 0 | 1 | 41 | 0 | 2 | 10 | 2 | 0 |

SANTA FE, N. MEX.

[$H_b$=7,013 ft.; $h_t$=57 ft.; $h_r$=49 ft.; $h_a$=66 ft.)

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.7 | SW. | 30 | SE. | 0 | 6 | 12 | 10 | 11 | 6 | 11 | 2 | 4 | 0 | 9 | 8 | 14 | 17 | 14 | 16 | 14 | 0 | 1 | 5 | 0 | 29 | 0 | 0 |
| February | 7.6 | NE. | 34 | N. | 0 | 17 | 13 | 8 | 6 | 0 | 3 | 0 | 11 | 0 | 16 | 9 | 4 | 3 | 2 | 5 | 2 | 0 | 0 | 2 | 0 | 25 | 0 | 0 |
| March | 9.7 | N. | 39 | SW. | 0 | 12 | 12 | 5 | 4 | 3 | 10 | 2 | 14 | 0 | 14 | 13 | 4 | 9 | 8 | 8 | 7 | 0 | 0 | 1 | 0 | 13 | 1 | 0 |
| April | 8.3 | E. | 40 | SW. | 1 | 3 | 7 | 14 | 6 | 2 | 14 | 4 | 8 | 2 | 9 | 15 | 6 | 7 | 6 | 4 | 4 | 0 | 0 | 0 | 0 | 13 | 3 | 0 |
| May | 9.2 | SW. | 33 | SW. | 0 | 2 | 5 | 14 | 5 | 6 | 24 | 0 | 6 | 0 | 19 | 9 | 3 | 2 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| June | 8.0 | SW. | 30 | N. | 0 | 0 | 10 | 16 | 7 | 6 | 11 | 7 | 3 | 0 | 20 | 8 | 2 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 |
| July | 7.0 | SE. | 33 | SE. | 0 | 8 | 12 | 15 | 14 | 5 | 0 | 3 | 3 | 2 | 2 | 26 | 3 | 18 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 |
| August | 6.2 | E. | 34 | SW. | 0 | 8 | 9 | 21 | 9 | 3 | 6 | 3 | 3 | 0 | 0 | 30 | 1 | 14 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 |
| September | 6.9 | E. | 26 | NW. | 0 | 4 | 11 | 13 | 10 | 2 | 11 | 4 | 5 | 0 | 13 | 16 | 1 | 9 | 4 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 0 |
| October | 8.9 | SE. | 36 | SE. | 0 | 10 | 8 | 8 | 18 | 4 | 7 | 0 | 7 | 0 | 14 | 12 | 5 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 |
| November | 7.8 | E. | 37 | SW. | 0 | 5 | 15 | 10 | 17 | 3 | 4 | 2 | 4 | 0 | 20 | 10 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 23 | 0 | 0 |
| December | 8.2 | N. | 46 | SW. | 2 | 14 | 10 | 9 | 7 | 3 | 6 | 4 | 9 | 0 | 12 | 14 | 5 | 5 | 2 | 10 | 5 | 0 | 1 | 10 | 0 | 29 | 0 | 0 |
| Year | 7.9 | E. | 46 | SW. | 3 | 89 | 124 | 143 | 114 | 43 | 107 | 31 | 77 | 4 | 148 | 170 | 48 | 96 | 69 | 47 | 35 | 2 | 2 | 18 | 0 | 137 | 65 | 0 |

SAULT STE. MARIE, MICH.

[$H_b$=614 ft.; $h_t$=11 ft.; $h_r$=3 ft.; $h_a$=61 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.1 | E. | 55 | W. | 2 | 5 | 2 | 14 | 12 | 1 | 11 | 10 | 7 | 0 | 2 | 6 | 23 | 24 | 19 | 23 | 21 | 0 | 0 | 22 | 0 | 31 | 1 | 1 |
| February | 9.7 | NW. | 42 | NW. | 2 | 4 | 5 | 9 | 2 | 5 | 8 | 11 | 14 | 0 | 3 | 14 | 12 | 11 | 8 | 18 | 11 | 0 | 0 | 26 | 0 | 29 | 0 | 0 |
| March | 9.4 | NW. | 37 | NW. | 0 | 5 | 7 | 10 | 7 | 1 | 3 | 12 | 16 | 1 | 11 | 6 | 14 | 12 | 11 | 12 | 9 | 0 | 1 | 23 | 0 | 29 | 0 | 5 |
| April | 9.2 | W. | 39 | NW. | 0 | 2 | 3 | 12 | 7 | 3 | 10 | 11 | 12 | 0 | 8 | 5 | 17 | 19 | 16 | 8 | 7 | 0 | 0 | 0 | 0 | 15 | 1 | 1 |
| May | 10.9 | W. | 53 | W. | 2 | 3 | 2 | 13 | 8 | 4 | 4 | 18 | 10 | 0 | 9 | 7 | 15 | 13 | 9 | 3 | 0 | 0 | 2 | 0 | 0 | 6 | 5 | 0 |
| June | 8.4 | W. | 38 | SE. | 0 | 0 | 3 | 11 | 12 | 1 | 6 | 17 | 10 | 0 | 8 | 5 | 17 | 14 | 13 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 0 |
| July | 6.3 | W. | 34 | NW. | 0 | 2 | 2 | 9 | 15 | 2 | 7 | 15 | 10 | 0 | 17 | 12 | 2 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 0 |
| August | 7.4 | NW. | 42 | W. | 1 | 2 | 2 | 11 | 5 | 2 | 12 | 10 | 17 | 1 | 10 | 14 | 7 | 10 | 7 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 5 | 1 |
| September | 8.5 | NW. | 29 | NW. | 0 | 3 | 4 | 10 | 15 | 1 | 5 | 9 | 13 | 0 | 4 | 6 | 20 | 20 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 1 |
| October | 10.2 | SE. | 37 | NW. | 0 | 4 | 6 | 9 | 17 | 1 | 8 | 6 | 11 | 0 | 5 | 4 | 22 | 16 | 13 | 7 | 4 | 0 | 0 | 0 | 0 | 6 | 1 | 2 |
| November | 9.3 | SE. | 39 | NW. | 0 | 3 | 11 | 10 | 10 | 4 | 6 | 6 | 10 | 0 | 1 | 3 | 26 | 22 | 18 | 16 | 15 | 0 | 1 | 7 | 0 | 18 | 1 | 0 |
| December | 10.5 | SE. | 52 | NW. | 2 | 1 | 11 | 15 | 12 | 2 | 9 | 3 | 9 | 0 | 5 | 5 | 21 | 20 | 13 | 21 | 17 | 0 | 0 | 20 | 0 | 28 | 0 | 0 |
| Year | 9.2 | NW. | 55 | W. | 9 | 34 | 58 | 133 | 122 | 27 | 89 | 128 | 139 | 2 | 83 | 87 | 196 | 186 | 144 | 108 | 84 | 1 | 7 | 98 | 4 | 163 | 32 | 11 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SAVANNAH, GA.

[$\phi$=32° 5′ N.; $\lambda$=81° 5′ 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 | 30.198 | 30.480 | 29.810 | 52.5 | 57.9 | 67.1 | 49.4 | 58.2 | 79 | 30 | 48 | 52 | 86 | 81 | 0.374 | 0.413 | 1.43 | 0.63 | 4.5 | 5.1 | 5.9 |
| February | 30.029 | 30.480 | 29.480 | 47.2 | 54.0 | 63.4 | 44.2 | 53.8 | 78 | 24 | 39 | 42 | 73 | 66 | .265 | .288 | 1.85 | .68 | 4.0 | 2.9 | 3.9 |
| March | 29.952 | 30.270 | 29.430 | 51.2 | 58.3 | 68.0 | 46.5 | 57.2 | 83 | 30 | 42 | 43 | 72 | 58 | .300 | .301 | 1.37 | .50 | 3.3 | 3.0 | 3.5 |
| April | 29.939 | 30.310 | 29.630 | 61.0 | 64.8 | 74.8 | 56.4 | 65.6 | 87 | 41 | 50 | 52 | 68 | 66 | .376 | .400 | 3.16 | 1.49 | 4.8 | 3.7 | 4.2 |
| May | 29.907 | 30.180 | 29.600 | 72.3 | 73.4 | 84.2 | 66.6 | 75.4 | 95 | 58 | 62 | 63 | 72 | 73 | .579 | .599 | 1.61 | 1.35 | 4.0 | 4.1 | 4.3 |
| June | 29.889 | 30.063 | 29.640 | 75.5 | 77.3 | 87.3 | 70.5 | 78.9 | 95 | 66 | 69 | 68 | 80 | 75 | .706 | .695 | 2.44 | .67 | 6.0 | 7.9 | 6.2 |
| July | 29.934 | 30.130 | 29.630 | 77.4 | 77.6 | 86.2 | 72.6 | 79.4 | 93 | 68 | 73 | 72 | 85 | 84 | .801 | .793 | 8.27 | 1.91 | 6.6 | 8.1 | 7.0 |
| August | 29.964 | 30.170 | 29.730 | 77.4 | 79.5 | 90.1 | 72.9 | 81.5 | 97 | 68 | 72 | 73 | 85 | 82 | .793 | .822 | 7.49 | 2.32 | 3.9 | 5.7 | 5.0 |
| September | 29.970 | 30.140 | 29.780 | 71.0 | 74.8 | 82.9 | 67.4 | 75.2 | 91 | 54 | 65 | 66 | 82 | 75 | .638 | .659 | 2.10 | 1.03 | 3.6 | 2.6 | 4.9 |
| October | 29.989 | 30.170 | 29.665 | 62.9 | 67.2 | 75.3 | 60.5 | 67.9 | 88 | 43 | 58 | 61 | 86 | 82 | .519 | .558 | 4.94 | 2.46 | 5.7 | 4.7 | 6.3 |
| November | 30.102 | 30.450 | 29.680 | 54.0 | 59.8 | 68.9 | 51.4 | 60.2 | 81 | 34 | 46 | 51 | 77 | 75 | .354 | .407 | 1.19 | .68 | 2.7 | 2.5 | 4.1 |
| December | 30.028 | 30.350 | 29.510 | 49.6 | 53.7 | 63.4 | 45.5 | 54.4 | 78 | 28 | 43 | 43 | 79 | 70 | .305 | .304 | 20.6 | .64 | 4.6 | 4.4 | 4.8 |
| Year | 29.992 | 30.480 | 29.430 | 62.7 | 66.5 | 76.0 | 58.7 | 67.3 | 97 | 24 | 56 | 57 | 79 | 74 | .501 | .520 | 37.91 | 2.46 | 4.5 | 4.6 | 5.0 |

SCRANTON, PA.

[$\phi$=41° 24′ N.; $\lambda$=75° 42′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.330 | 29.750 | 28.710 | 30.1 | 33.9 | 42.4 | 24.9 | 33.6 | 69 | 4 | 25 | 26 | 78 | 70 | 0.159 | 0.155 | 2.07 | 0.46 | 6.4 | 5.6 | 6.8 |
| February | 29.140 | 29.710 | 28.340 | 20.9 | 25.1 | 31.3 | 16.0 | 23.6 | 55 | −4 | 15 | 18 | 77 | 71 | .094 | .101 | 4.48 | 1.43 | 7.0 | 5.9 | 6.9 |
| March | 29.061 | 29.443 | 28.350 | 25.6 | 31.0 | 37.1 | 20.7 | 28.9 | 66 | −1 | 20 | 23 | 77 | 73 | .113 | .131 | 5.74 | 1.73 | 6.5 | 5.2 | 5.8 |
| April | 29.076 | 29.400 | 28.500 | 42.9 | 48.4 | 55.8 | 38.5 | 47.2 | 75 | 30 | 36 | 38 | 78 | 68 | .216 | .230 | 4.19 | .81 | 6.9 | 7.3 | 6.9 |
| May | 29.071 | 29.472 | 28.640 | 56.0 | 62.9 | 70.3 | 50.5 | 60.4 | 85 | 40 | 45 | 46 | 68 | 57 | .314 | .333 | 3.04 | .84 | 7.1 | 5.3 | 6.2 |
| June | 29.102 | 29.342 | 28.770 | 59.9 | 65.9 | 72.1 | 54.0 | 63.0 | 84 | 44 | 53 | 55 | 78 | 70 | .406 | .440 | 4.68 | 1.18 | 6.6 | 6.0 | 6.0 |
| July | 29.174 | 29.500 | 28.780 | 70.7 | 76.0 | 83.9 | 64.4 | 74.2 | 92 | 51 | 63 | 65 | 78 | 70 | .593 | .629 | 2.29 | .84 | 5.6 | 6.8 | 6.3 |
| August | 29.164 | 29.437 | 28.810 | 66.6 | 74.5 | 83.6 | 60.0 | 71.8 | 98 | 46 | 60 | 60 | 78 | 62 | .522 | .535 | .67 | .37 | 4.0 | 3.2 | 4.1 |
| September | 29.216 | 29.620 | 28.930 | 57.2 | 64.9 | 74.1 | 50.4 | 62.2 | 87 | 36 | 51 | 52 | 81 | 65 | .394 | .411 | 4.35 | 2.41 | 4.5 | 3.8 | 4.6 |
| October | 29.285 | 29.631 | 28.661 | 45.2 | 54.9 | 64.4 | 40.1 | 52.2 | 81 | 30 | 40 | 44 | 84 | 68 | .265 | .306 | .91 | .48 | 5.1 | 3.2 | 4.9 |
| November | 29.250 | 29.640 | 28.340 | 36.6 | 42.0 | 49.0 | 32.5 | 40.8 | 69 | 21 | 30 | 34 | 78 | 74 | .176 | .206 | 2.01 | .60 | 5.5 | 5.1 | 6.7 |
| December | 29.106 | 29.640 | 28.360 | 28.4 | 31.2 | 36.4 | 24.5 | 30.4 | 61 | 10 | 22 | 22 | 76 | 69 | .124 | .125 | 3.26 | 1.09 | 6.5 | 5.8 | 6.8 |
| Year | 29.165 | 29.750 | 28.340 | 45.0 | 50.9 | 58.4 | 39.7 | 49.0 | 98 | −4 | 38 | 40 | 78 | 68 | .281 | .300 | 37.69 | 2.41 | 6.0 | 5.3 | 6.0 |

SEATTLE, WASH.

[$\phi$=47° 38′ N.; $\lambda$=122° 20′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.751 | 30.420 | 29.150 | 29.5 | 32.7 | 35.6 | 26.3 | 31.0 | 51 | 14 | 23 | 25 | 75 | 73 | 0.126 | 0.138 | 4.32 | 1.73 | 7.5 | 7.5 | 7.5 |
| February | 29.934 | 30.290 | 29.250 | 39.0 | 45.6 | 47.9 | 35.9 | 41.9 | 59 | 26 | 36 | 37 | 88 | 76 | .215 | .229 | 6.85 | 1.88 | 7.2 | 7.0 | 7.7 |
| March | 29.908 | 30.320 | 29.250 | 41.7 | 46.9 | 49.6 | 39.1 | 44.4 | 63 | 32 | 38 | 38 | 86 | 74 | .230 | .237 | 5.45 | 1.03 | 8.7 | 8.0 | 8.4 |
| April | 30.009 | 30.330 | 29.624 | 43.8 | 53.8 | 56.2 | 41.9 | 49.0 | 66 | 38 | 40 | 38 | 87 | 56 | .249 | .228 | 1.98 | .67 | 6.6 | 6.5 | 7.2 |
| May | 29.939 | 30.380 | 29.420 | 46.1 | 56.9 | 59.4 | 44.7 | 52.0 | 73 | 38 | 41 | 39 | 84 | 55 | .262 | .241 | 1.56 | .48 | 6.9 | 6.2 | 6.9 |
| June | 29.935 | 30.240 | 29.590 | 52.1 | 64.7 | 66.8 | 50.9 | 58.8 | 82 | 44 | 48 | 47 | 86 | 55 | .338 | .324 | 1.82 | .44 | 6.6 | 5.6 | 6.4 |
| July | 29.936 | 30.160 | 29.716 | 54.8 | 66.7 | 68.5 | 53.7 | 61.1 | 83 | 50 | 51 | 51 | 87 | 58 | .372 | .371 | 1.93 | .80 | 7.6 | 5.3 | 6.5 |
| August | 29.905 | 30.170 | 29.710 | 55.9 | 70.7 | 72.3 | 54.8 | 63.6 | 89 | 48 | 53 | 52 | 89 | 54 | .399 | .390 | .11 | .08 | 4.9 | 3.6 | 4.4 |
| September | 29.933 | 30.250 | 29.640 | 52.7 | 64.8 | 66.7 | 50.8 | 58.8 | 78 | 44 | 50 | 47 | 90 | 54 | .359 | .326 | .70 | .53 | 4.6 | 4.5 | 5.2 |
| October | 30.028 | 30.400 | 29.510 | 44.6 | 53.8 | 55.9 | 42.3 | 49.1 | 69 | 34 | 42 | 41 | 91 | 66 | .268 | .264 | 1.18 | .45 | 3.6 | 4.5 | 6.0 |
| November | 30.056 | 30.550 | 29.320 | 40.2 | 45.5 | 48.2 | 37.7 | 43.0 | 55 | 29 | 37 | 36 | 87 | 72 | .223 | .221 | 4.58 | 1.06 | 5.6 | 6.1 | 6.9 |
| December | 29.879 | 30.510 | 29.000 | 37.1 | 39.5 | 41.5 | 34.5 | 38.0 | 51 | 27 | 33 | 35 | 86 | 82 | .194 | .203 | 4.13 | .74 | 8.6 | 8.2 | 9.0 |
| Year | 29.934 | 30.550 | 29.000 | 44.8 | 53.5 | 55.7 | 42.7 | 49.2 | 89 | 14 | 41 | 40 | 86 | 65 | .270 | .264 | 34.61 | 1.88 | 6.5 | 6.1 | 6.8 |

SHERIDAN, WYO.

[$\phi$=44° 48′ N.; $\lambda$=106° 57′ W.]

| Month. | 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 26.032 | 26.460 | 25.420 | −4.0 | 3.1 | 14.0 | -10.5 | 1.8 | 56 | −29 | −7 | −3 | 87 | 76 | 0.033 | 0.042 | 0.92 | 0.54 | 3.9 | 5.1 | 5.2 |
| February | 26.174 | 26.530 | 25.698 | 14.7 | 27.1 | 35.3 | 8.7 | 22.0 | 58 | −17 | 11 | 17 | 85 | 67 | .078 | .103 | 1.17 | .42 | 3.8 | 5.6 | 4.2 |
| March | 26.031 | 26.530 | 25.450 | 28.8 | 44.7 | 52.1 | 23.8 | 38.0 | 73 | −15 | 20 | 23 | 72 | 46 | .116 | .128 | .92 | .48 | 6.0 | 6.8 | 5.7 |
| April | 26.108 | 26.450 | 25.726 | 34.2 | 50.6 | 55.3 | 31.2 | 43.2 | 77 | 20 | 29 | 29 | 80 | 48 | .158 | .161 | 2.71 | .67 | 6.3 | 6.1 | 5.8 |
| May | 26.007 | 26.310 | 25.600 | 41.2 | 54.9 | 61.5 | 36.4 | 49.0 | 85 | 27 | 32 | 33 | 72 | 51 | .188 | .195 | 3.04 | .84 | 4.8 | 6.6 | 5.5 |
| June | 26.062 | 26.270 | 25.780 | 51.5 | 67.6 | 72.2 | 45.7 | 59.0 | 90 | 35 | 45 | 44 | 78 | 46 | .304 | .306 | 2.23 | .51 | 4.9 | 5.3 | 4.7 |
| July | 26.094 | 26.460 | 25.680 | 59.8 | 82.1 | 87.5 | 54.1 | 70.8 | 99 | 42 | 51 | 52 | 74 | 39 | .382 | .407 | .83 | .71 | 2.7 | 4.0 | 3.0 |
| August | 26.132 | 26.420 | 25.770 | 53.0 | 77.2 | 82.6 | 49.2 | 65.9 | 98 | 40 | 45 | 44 | 76 | 34 | .308 | .293 | .13 | .08 | 3.7 | 4.6 | 4.5 |
| September | 26.108 | 26.600 | 25.730 | 39.8 | 65.2 | 73.3 | 37.0 | 55.2 | 95 | 25 | 33 | 35 | 77 | 36 | .188 | .209 | .56 | .48 | 1.8 | 3.2 | 2.9 |
| October | 26.158 | 26.600 | 25.633 | 30.5 | 43.8 | 52.7 | 26.6 | 39.6 | 74 | 7 | 26 | 31 | 84 | 63 | .144 | .175 | 2.85 | 1.12 | 6.2 | 5.3 | 5.6 |
| November | 26.160 | 26.568 | 25.470 | 21.6 | 32.2 | 43.3 | 14.5 | 28.9 | 69 | −27 | 15 | 20 | 78 | 64 | .090 | .114 | .90 | .55 | 3.9 | 4.2 | 4.2 |
| December | 25.952 | 26.361 | 25.520 | 11.0 | 15.9 | 25.7 | 3.5 | 14.6 | 53 | −17 | 7 | 10 | 85 | 78 | .069 | .071 | 1.07 | .47 | 5.3 | 6.2 | 7.0 |
| Year | 26.085 | 26.600 | 25.420 | 31.8 | 47.0 | 54.6 | 26.7 | 40.7 | 99 | −29 | 26 | 28 | 79 | 54 | .172 | .184 | 17.33 | 1.12 | 4.4 | 5.2 | 4.9 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SAVANNAH, GA.

[$H_b$=65 ft.; $h_t$=150 ft.; $h_r$=143 ft.; $h_a$=194 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 12.3 | NE. | 32 | E. | 0 | 5 | 14 | 8 | 6 | 17 | 5 | 2 | 5 | 0 | 9 | 8 | 14 | 13 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 2 | 0 | 0 |
| February | 13.4 | NW. | 48 | NW. | 5 | 5 | 9 | 6 | 1 | 9 | 11 | 10 | 7 | 0 | 17 | 4 | 8 | 6 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 0 |
| March | 15.0 | SW. | 52 | NW. | 5 | 2 | 4 | 4 | 2 | 12 | 13 | 11 | 14 | 0 | 18 | 8 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 0 |
| April | 13.5 | S. | 40 | NW. | 1 | 3 | 5 | 2 | 8 | 15 | 8 | 5 | 14 | 0 | 12 | 12 | 6 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| May | 12.3 | S. | 36 | W. | 0 | 5 | 5 | 6 | 9 | 15 | 8 | 9 | 5 | 0 | 14 | 10 | 7 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 |
| June | 10.3 | SW. | 50 | W. | 1 | 1 | 5 | 1 | 7 | 12 | 20 | 9 | 5 | 0 | 3 | 18 | 9 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 16 | 0 |
| July | 10.6 | SE. | 44 | NE. | 1 | 3 | 6 | 4 | 15 | 16 | 11 | 4 | 3 | 0 | 5 | 10 | 16 | 17 | 15 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 12 | 0 |
| August | 9.2 | SW. | 48 | E. | 2 | 5 | 4 | 6 | 9 | 13 | 12 | 8 | 5 | 0 | 11 | 15 | 5 | 11 | 11 | 0 | 0 | 2 | 0 | 0 | 15 | 0 | 13 | 0 |
| September | 10.2 | NE. | 35 | E. | 0 | 6 | 21 | 12 | 4 | 7 | 2 | 4 | 3 | 1 | 10 | 14 | 6 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 0 |
| October | 12.7 | NE. | 46 | E. | 2 | 13 | 27 | 4 | 3 | 7 | 4 | 1 | 3 | 0 | 7 | 9 | 15 | 10 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| November | 10.8 | NE. | 30 | NW. | 0 | 7 | 16 | 9 | 4 | 6 | 5 | 4 | 9 | 0 | 15 | 7 | 8 | 8 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 |
| December | 12.5 | SW. | 44 | NW. | 3 | 3 | 10 | 11 | 2 | 7 | 11 | 9 | 9 | 0 | 12 | 7 | 12 | 13 | 9 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 0 |
| Year | 11.9 | S. | 52 | NW. | 20 | 58 | 126 | 73 | 70 | 136 | 110 | 76 | 82 | 1 | 133 | 122 | 111 | 115 | 88 | 0 | 0 | 2 | 16 | 0 | 35 | 8 | 61 | 0 |

SCRANTON, PA.

[$H_b$=805 ft.; $h_t$=111 ft.; $h_r$=102 ft.; $h_a$=119 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.3 | SW. | 37 | W. | 0 | 9 | 7 | 0 | 1 | 10 | 23 | 6 | 6 | 0 | 5 | 10 | 16 | 13 | 11 | 7 | 5 | 0 | 1 | 8 | 0 | 23 | 0 | 0 |
| February | 8.3 | SW. | 40 | SW. | 1 | 13 | 7 | 2 | 1 | 4 | 12 | 12 | 7 | 0 | 7 | 5 | 17 | 18 | 13 | 17 | 13 | 0 | 0 | 17 | 0 | 29 | 0 | 0 |
| March | 7.6 | NE. | 33 | W. | 0 | 16 | 16 | 2 | 1 | 2 | 11 | 9 | 5 | 0 | 8 | 13 | 10 | 13 | 13 | 17 | 13 | 0 | 0 | 14 | 0 | 25 | 0 | 0 |
| April | 7.7 | NE. | 37 | W. | 0 | 11 | 13 | 5 | 3 | 5 | 7 | 5 | 11 | 0 | 4 | 11 | 15 | 18 | 18 | 2 | 2 | 1 | 0 | 0 | 0 | 5 | 2 | 0 |
| May | 7.6 | SW. | 34 | SW. | 0 | 11 | 7 | 5 | 2 | 7 | 13 | 5 | 10 | 2 | 7 | 11 | 13 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| June | 5.9 | NE. | 39 | W. | 0 | 13 | 17 | 3 | 5 | 6 | 8 | 2 | 6 | 0 | 7 | 12 | 11 | 14 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| July | 5.4 | SW. | 32 | W. | 0 | 10 | 6 | 8 | 6 | 7 | 17 | 3 | 5 | 0 | 6 | 12 | 13 | 12 | 9 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 |
| August | 5.4 | SW. | 34 | W. | 0 | 16 | 9 | 1 | 2 | 8 | 14 | 5 | 6 | 1 | 13 | 16 | 2 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 4 | 0 |
| September | 6.0 | SW. | 24 | N. | 0 | 7 | 12 | 3 | 2 | 7 | 21 | 2 | 6 | 0 | 14 | 10 | 6 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 1 |
| October | 6.3 | SW. | 36 | W. | 0 | 15 | 11 | 4 | 0 | 8 | 18 | 2 | 4 | 0 | 13 | 11 | 7 | 7 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 1 | 0 |
| November | 7.1 | SW. | 42 | SW. | 1 | 5 | 7 | 1 | 2 | 4 | 30 | 3 | 8 | 0 | 5 | 12 | 13 | 12 | 7 | 5 | 3 | 0 | 1 | 1 | 0 | 17 | 1 | 0 |
| December | 7.8 | SW. | 40 | W. | 1 | 7 | 6 | 0 | 2 | 2 | 27 | 10 | 7 | 1 | 4 | 11 | 16 | 13 | 10 | 13 | 10 | 0 | 0 | 12 | 0 | 25 | 0 | 0 |
| Year | 7.0 | SW. | 42 | SW. | 3 | 133 | 118 | 34 | 27 | 70 | 201 | 64 | 81 | 4 | 93 | 134 | 139 | 154 | 124 | 61 | 46 | 1 | 3 | 52 | 15 | 127 | 31 | 1 |

SEATTLE, WASH.

[$H_b$=125 ft.; $h_t$=215 ft.; $h_r$=209 ft.; $h_a$=250 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.0 | SE. | 41 | S. | 1 | 12 | 14 | 8 | 17 | 10 | 1 | 0 | 0 | 0 | 5 | 6 | 20 | 16 | 14 | 18 | 12 | 0 | 0 | 10 | 0 | 25 | 0 | 0 |
| February | 7.4 | SE. | 54 | SW. | 2 | 13 | 11 | 6 | 9 | 9 | 6 | 1 | 3 | 0 | 2 | 10 | 17 | 15 | 13 | 8 | 7 | 1 | 10 | 0 | 0 | 5 | 0 | 0 |
| March | 12.8 | S. | 49 | SW. | 4 | 8 | 6 | 4 | 11 | 21 | 8 | 1 | 2 | 1 | 1 | 6 | 24 | 19 | 16 | 5 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| April | 10.0 | S. | 40 | SW. | 1 | 8 | 4 | 2 | 12 | 13 | 9 | 5 | 7 | 0 | 3 | 10 | 17 | 16 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 |
| May | 10.0 | S. | 43 | S. | 3 | 11 | 3 | 4 | 8 | 14 | 13 | 3 | 5 | 1 | 6 | 7 | 18 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| June | 7.1 | N. | 30 | SW. | 0 | 15 | 7 | 3 | 10 | 9 | 7 | 3 | 4 | 2 | 9 | 6 | 15 | 9 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 |
| July | 8.4 | S. | 35 | SW. | 0 | 12 | 3 | 1 | 15 | 9 | 9 | 7 | 5 | 1 | 7 | 10 | 14 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| August | 6.0 | N. | 21 | N. | 0 | 13 | 6 | 1 | 6 | 8 | 6 | 6 | 13 | 3 | 15 | 6 | 10 | 4 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 |
| September | 7.0 | N. | 30 | SW. | 0 | 22 | 9 | 2 | 4 | 6 | 6 | 5 | 5 | 1 | 10 | 9 | 11 | 5 | 4 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 2 | 0 |
| October | 7.6 | N. | 51 | S. | 2 | 18 | 11 | 1 | 2 | 11 | 1 | 2 | 15 | 1 | 9 | 9 | 13 | 9 | 6 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 |
| November | 9.0 | S. | 52 | W. | 2 | 11 | 5 | 6 | 12 | 16 | 5 | 0 | 4 | 1 | 6 | 7 | 17 | 14 | 11 | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 0 |
| December | 8.7 | SE. | 44 | S. | 1 | 1 | 10 | 4 | 27 | 14 | 3 | 1 | 2 | 0 | 1 | 3 | 27 | 20 | 16 | 9 | 5 | 0 | 0 | 0 | 0 | 8 | 0 | 0 |
| Year | 8.8 | N. | 54 | SW. | 16 | 144 | 89 | 42 | 133 | 140 | 74 | 34 | 65 | 11 | 74 | 89 | 203 | 149 | 114 | 40 | 27 | 2 | 38 | 10 | 0 | 44 | 11 | 2 |

SHERIDAN, WYO.

[$H_b$=3,790 ft.; $h_t$=10 ft.; $h_r$=3 ft.; $h_a$=47 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 46 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4.8 | N. | 31 | SW. | 0 | 12 | 6 | 3 | 13 | 11 | 4 | 0 | 13 | 0 | 10 | 12 | 9 | 11 | 4 | 15 | 11 | 0 | 1 | 24 | 0 | 31 | 0 | 0 |
| February | 4.5 | NW. | 36 | SW. | 0 | 4 | 3 | 2 | 10 | 17 | 3 | 5 | 14 | 0 | 12 | 12 | 5 | 6 | 5 | 10 | 6 | 0 | 0 | 10 | 0 | 29 | 0 | 0 |
| March | 7.7 | NW. | 50 | NW. | 2 | 1 | 9 | 2 | 10 | 9 | 4 | 4 | 23 | 0 | 10 | 7 | 14 | 11 | 7 | 11 | 9 | 0 | 0 | 3 | 0 | 26 | 0 | 0 |
| April | 6.9 | NW. | 35 | NW. | 0 | 1 | 8 | 1 | 9 | 8 | 9 | 3 | 21 | 0 | 8 | 9 | 13 | 12 | 12 | 8 | 4 | 0 | 0 | 0 | 0 | 14 | 0 | 0 |
| May | 8.0 | NW. | 50 | NW. | 1 | 2 | 3 | 4 | 9 | 4 | 9 | 2 | 29 | 0 | 10 | 11 | 10 | 15 | 10 | 3 | 2 | 0 | 0 | 0 | 0 | 7 | 2 | 0 |
| June | 6.0 | NW. | 36 | SW. | 0 | 2 | 9 | 5 | 8 | 3 | 5 | 2 | 26 | 0 | 14 | 8 | 8 | 15 | 12 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 10 | 0 |
| July | 5.0 | SE. | 34 | NW. | 0 | 0 | 3 | 8 | 23 | 5 | 9 | 3 | 11 | 0 | 20 | 6 | 5 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 13 | 0 |
| August | 4.8 | NW. | 38 | SW. | 0 | 1 | 8 | 3 | 14 | 11 | 4 | 4 | 17 | 0 | 12 | 14 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 8 | 0 |
| September | 5.0 | NW. | 40 | NW. | 1 | 3 | 1 | 5 | 14 | 3 | 6 | 5 | 22 | 1 | 21 | 6 | 3 | 6 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 9 | 3 | 0 |
| October | 4.9 | NW. | 46 | NW. | 1 | 1 | 6 | 1 | 17 | 6 | 5 | 6 | 19 | 1 | 14 | 3 | 14 | 13 | 7 | 8 | 5 | 0 | 0 | 1 | 0 | 24 | 0 | 0 |
| November | 5.4 | NW. | 48 | SW. | 1 | 2 | 3 | 0 | 8 | 14 | 9 | 4 | 20 | 0 | 14 | 10 | 6 | 8 | 7 | 10 | 7 | 0 | 0 | 5 | 0 | 29 | 0 | 0 |
| December | 6.0 | NW. | 38 | NW. | 0 | 2 | 1 | 2 | 9 | 14 | 4 | 2 | 28 | 0 | 6 | 9 | 16 | 12 | 8 | 15 | 11 | 0 | 0 | 19 | 0 | 31 | 0 | 0 |
| Year | 5.8 | NW. | 50 | NW. | 6 | 31 | 60 | 36 | 144 | 105 | 71 | 40 | 243 | 2 | 151 | 107 | 108 | 117 | 82 | 82 | 55 | 3 | 1 | 62 | 20 | 200 | 36 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SHREVEPORT, LA.

[$\phi$=32° 30′ N.; $\lambda$=93° 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 | 29.892 | 30.330 | 29.410 | 47.6 | 53.0 | 60.7 | 42.6 | 51.6 | 79 | 15 | 44 | 44 | 86 | 73 | 0.328 | 0.317 | 6.29 | 1.73 | 7.8 | 5.7 | 7.4 |
| February | 29.917 | 30.390 | 29.370 | 44.0 | 54.5 | 60.4 | 40.9 | 50.6 | 77 | 23 | 37 | 38 | 78 | 56 | .241 | .245 | .01 | .01 | 5.1 | 3.1 | 4.6 |
| March | 29.737 | 30.250 | 29.290 | 50.9 | 66.5 | 72.6 | 48.7 | 60.6 | 89 | 33 | 44 | 42 | 79 | 43 | .317 | .288 | 1.88 | 1.35 | 3.6 | 4.1 | 3.9 |
| April | 29.735 | 30.170 | 29.290 | 56.1 | 67.3 | 73.4 | 53.6 | 63.5 | 85 | 34 | 50 | 52 | 82 | 61 | .378 | .409 | 4.61 | 2.30 | 4.3 | 4.1 | 4.9 |
| May | 29.654 | 29.860 | 29.340 | 66.7 | 78.9 | 83.3 | 64.2 | 73.8 | 91 | 53 | 62 | 63 | 86 | 60 | .569 | .589 | 5.01 | 2.12 | 3.9 | 3.3 | 3.7 |
| June | 29.642 | 29.830 | 29.220 | 73.0 | 83.0 | 88.6 | 70.1 | 79.4 | 95 | 62 | 68 | 68 | 84 | 62 | .687 | .689 | 3.08 | .98 | 5.4 | 4.1 | 4.9 |
| July | 29.662 | 29.900 | 29.480 | 76.4 | 85.5 | 93.5 | 73.2 | 83.4 | 101 | 67 | 71 | 70 | 84 | 62 | .757 | .725 | 3.09 | 2.06 | 1.7 | 5.0 | 3.7 |
| August | 29.740 | 29.970 | 29.580 | 75.1 | 85.9 | 93.2 | 73.3 | 83.2 | 101 | 65 | 70 | 69 | 85 | 59 | .742 | .718 | .55 | .24 | 2.8 | 4.5 | 3.6 |
| September | 29.759 | 30.060 | 29.490 | 67.3 | 79.0 | 87.1 | 65.3 | 76.2 | 95 | 46 | 62 | 60 | 83 | 54 | .583 | .543 | 1.46 | .89 | 1.6 | 3.9 | 3.1 |
| October | 29.796 | 30.030 | 29.310 | 56.6 | 71.7 | 79.7 | 55.0 | 67.4 | 89 | 36 | 51 | 53 | 81 | 53 | .397 | .423 | 2.17 | 2.16 | 1.8 | 1.9 | 2.0 |
| November | 29.900 | 30.320 | 29.500 | 46.7 | 60.5 | 68.3 | 44.4 | 56.4 | 82 | 25 | 42 | 42 | 83 | 52 | .290 | .296 | 2.54 | 2.13 | 2.4 | 1.6 | 2.8 |
| December | 29.768 | 30.120 | 29.240 | 43.0 | 52.4 | 60.0 | 39.5 | 49.8 | 78 | 15 | 37 | 40 | 80 | 64 | .260 | .283 | 1.65 | .92 | 4.7 | 3.3 | 4.6 |
| Year | 29.767 | 30.390 | 29.220 | 58.6 | 69.8 | 76.7 | 55.9 | 66.3 | 101 | 15 | 53 | 53 | 83 | 58 | .462 | .460 | 32.34 | 2.30 | 3.8 | 3.7 | 4.1 |

SIOUX CITY, IOWA.

[$\phi$=42° 29′ N.; $\lambda$=96° 24′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.897 | 29.460 | 28.150 | 9.0 | 13.9 | 20.5 | 3.4 | 12.0 | 44 | −28 | 5 | 9 | 84 | 81 | 0.070 | 0.081 | 1.73 | 0.54 | 5.8 | 3.4 | 5.1 |
| February | 28.969 | 29.520 | 28.580 | 14.3 | 23.2 | 28.0 | 11.0 | 19.5 | 61 | −20 | 12 | 17 | 87 | 78 | .085 | .108 | .36 | .23 | 5.8 | 3.1 | 3.7 |
| March | 28.742 | 29.280 | 28.010 | 28.7 | 40.2 | 46.1 | 25.7 | 35.9 | 70 | − 8 | 24 | 29 | 83 | 66 | .139 | .169 | .70 | .31 | 6.9 | 4.4 | 4.9 |
| April | 28.766 | 29.150 | 28.140 | 40.5 | 52.1 | 56.2 | 37.7 | 47.0 | 82 | 19 | 35 | 34 | 81 | 54 | .209 | .204 | 1.12 | .40 | 6.8 | 5.6 | 5.4 |
| May | 28.614 | 28.950 | 28.070 | 53.0 | 67.4 | 72.5 | 49.0 | 60.8 | 91 | 32 | 46 | 47 | 77 | 53 | .323 | .354 | 4.58 | 1.58 | 5.3 | 4.4 | 3.7 |
| June | 28.690 | 28.980 | 28.439 | 59.1 | 72.0 | 75.5 | 55.0 | 65.2 | 92 | 47 | 54 | 55 | 83 | 57 | .423 | .459 | 2.32 | .53 | 4.7 | 4.0 | 3.9 |
| July | 28.763 | 29.080 | 28.554 | 73.3 | 87.4 | 91.8 | 70.3 | 81.0 | 101 | 58 | 66 | 69 | 80 | 55 | .649 | .709 | 3.89 | 1.96 | 3.9 | 1.1 | 2.0 |
| August | 28.766 | 29.096 | 28.380 | 66.9 | 79.6 | 84.1 | 63.1 | 73.6 | 96 | 43 | 60 | 64 | 80 | 60 | .545 | .621 | 2.33 | 1.17 | 5.5 | 3.3 | 3.5 |
| September | 28.764 | 29.150 | 28.320 | 54.1 | 67.3 | 73.2 | 51.2 | 62.2 | 96 | 31 | 49 | 53 | 84 | 62 | .374 | .438 | 3.41 | 1.86 | 4.3 | 2.1 | 3.4 |
| October | 28.814 | 29.360 | 28.320 | 42.0 | 53.5 | 60.8 | 38.9 | 49.8 | 89 | 17 | 36 | 38 | 79 | 58 | .215 | .235 | 1.52 | .72 | 5.3 | 4.2 | 4.6 |
| November | 28.848 | 29.330 | 28.260 | 31.6 | 39.5 | 45.7 | 27.3 | 36.5 | 71 | − 1 | 26 | 28 | 81 | 64 | .150 | .157 | 1.05 | .39 | 5.1 | 2.7 | 3.5 |
| December | 28.745 | 29.320 | 28.170 | 12.8 | 20.2 | 27.6 | 6.7 | 17.2 | 59 | −16 | 8 | 12 | 82 | 72 | .075 | .085 | 1.50 | .54 | 6.1 | 2.7 | 4.6 |
| Year | 28.782 | 29.520 | 28.010 | 40.4 | 51.4 | 56.8 | 36.6 | 46.7 | 101 | −28 | 35 | 38 | 82 | 63 | .271 | .302 | 24.51 | 1.96 | 5.5 | 3.4 | 4.0 |

SITKA, ALASKA.

[$\phi$=57° 4′ N.; $\lambda$=135° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | [1]29.949 | 30.445 | 28.767 | ..... | 21.7 | 30.8 | 16.2 | 23.5 | 50 | − 4 | ..... | ..... | ..... | ..... | ..... | ..... | 1.01 | 0.50 | ..... | 3.0 | 2.6 |
| February | 29.796 | 30.433 | 29.020 | ..... | 34.6 | 42.7 | 27.8 | 35.2 | 55 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | 5.72 | 1.50 | ..... | 7.4 | 7.0 |
| March | 29.559 | 30.202 | 28.946 | ..... | 34.7 | 39.6 | 28.0 | 33.8 | 53 | 13 | ..... | ..... | ..... | ..... | ..... | ..... | 3.66 | .75 | ..... | 7.2 | 7.1 |
| April | 29.763 | 30.308 | 29.079 | ..... | 45.2 | 51.4 | 35.4 | 43.4 | 70 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | 4.36 | 1.00 | ..... | 7.0 | 7.0 |
| May | 29.898 | 30.374 | 29.143 | ..... | 48.9 | 54.3 | 37.9 | 46.1 | 74 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | 3.31 | 1.19 | ..... | 5.4 | 5.2 |
| June | 29.914 | 30.245 | 29.616 | ..... | 52.1 | 57.7 | 44.4 | 51.0 | 78 | 34 | ..... | ..... | ..... | ..... | ..... | ..... | 6.04 | 2.22 | ..... | 7.0 | 6.7 |
| July | 29.847 | 30.104 | 29.697 | ..... | 55.5 | 60.6 | 47.8 | 54.2 | 70 | 42 | ..... | ..... | ..... | ..... | ..... | ..... | 4.68 | .86 | ..... | 7.2 | .... |
| August | 29.904 | 30.117 | 29.734 | ..... | 56.7 | 60.2 | 51.3 | 55.8 | 71 | 42 | ..... | ..... | ..... | ..... | ..... | ..... | 6.43 | 2.35 | ..... | 7.2 | .... |
| September | 29.848 | 30.346 | 29.466 | ..... | 51.3 | 54.2 | 46.3 | 50.2 | 68 | 35 | ..... | ..... | ..... | ..... | ..... | ..... | 15.66 | 1.95 | ..... | 8.4 | .... |
| October | 29.834 | 30.352 | 28.813 | ..... | ..... | 52.6 | 41.2 | 46.9 | 62 | 33 | ..... | ..... | ..... | ..... | ..... | ..... | 17.94 | 2.06 | ..... | 7.9 | .... |
| November | 29.627 | 30.753 | 28.874 | ..... | 38.8 | 44.6 | 34.4 | 39.5 | 55 | 24 | ..... | ..... | ..... | ..... | ..... | ..... | 8.49 | 1.04 | ..... | 8.5 | .... |
| December | 29.507 | 30.302 | 28.193 | ..... | 33.5 | 38.0 | 28.6 | 33.3 | 47 | 18 | ..... | ..... | ..... | ..... | ..... | ..... | 6.97 | .88 | ..... | 8.2 | .... |
| Year | 29.787 | 30.753 | 28.193 | ..... | ..... | 48.9 | 36.6 | 42.7 | 78 | − 4 | ..... | ..... | ..... | ..... | ..... | ..... | 84.27 | 2.35 | ..... | 7.0 | .... |

SPOKANE, WASH.

[$\phi$=47° 40′ N.; $\lambda$=117° 25′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.848 | 28.560 | 27.350 | 14.2 | 20.4 | 23.3 | 10.0 | 16.6 | 49 | −11 | 10 | 12 | 82 | 69 | 0.074 | 0.081 | 1.88 | 0.38 | 8.0 | 7.2 | 7.5 |
| February | 28.066 | 28.440 | 27.520 | 29.3 | 37.3 | 39.2 | 27.0 | 33.1 | 53 | 8 | 25 | 27 | 84 | 67 | .141 | .154 | 1.04 | .30 | 7.3 | 7.3 | 7.5 |
| March | 27.934 | 28.410 | 27.360 | 36.3 | 46.0 | 49.0 | 33.8 | 41.4 | 64 | 19 | 32 | 32 | 82 | 60 | .181 | .184 | 2.62 | .53 | 6.5 | 8.7 | 8.2 |
| April | 28.000 | 28.350 | 27.640 | 39.5 | 57.2 | 59.1 | 37.7 | 48.4 | 80 | 31 | 33 | 32 | 78 | 39 | .187 | .178 | 1.16 | .52 | 5.3 | 7.3 | 6.8 |
| May | 27.908 | 28.270 | 27.450 | 43.2 | 58.5 | 61.6 | 41.6 | 51.6 | 77 | 32 | 36 | 33 | 77 | 41 | .214 | .193 | 1.57 | .38 | 6.3 | 7.9 | 7.0 |
| June | 27.933 | 28.150 | 27.600 | 50.2 | 69.6 | 72.6 | 48.7 | 60.6 | 96 | 38 | 42 | 39 | 76 | 38 | .278 | .251 | 2.70 | .72 | 5.6 | 6.8 | 6.2 |
| July | 27.934 | 28.140 | 27.610 | 55.8 | 77.0 | 78.6 | 54.8 | 66.7 | 95 | 44 | 46 | 41 | 70 | 30 | .312 | .269 | .47 | .14 | 4.1 | 4.9 | 4.6 |
| August | 27.927 | 28.190 | 27.670 | 55.9 | 81.3 | 83.5 | 54.5 | 69.0 | 96 | 45 | 46 | 40 | 71 | 25 | .318 | .252 | .49 | .34 | 3.2 | 4.1 | 3.3 |
| September | 27.954 | 28.350 | 27.648 | 48.8 | 70.1 | 72.6 | 46.7 | 59.6 | 90 | 35 | 40 | 35 | 73 | 30 | .253 | .208 | .56 | .21 | 4.0 | 5.0 | 4.5 |
| October | 28.044 | 28.360 | 27.600 | 36.9 | 57.4 | 60.1 | 33.9 | 47.0 | 75 | 25 | 28 | 27 | 69 | 32 | .152 | .148 | .17 | .15 | 2.2 | 4.9 | 4.0 |
| November | 28.134 | 28.680 | 27.470 | 29.3 | 37.2 | 40.1 | 26.1 | 33.1 | 57 | 5 | 23 | 27 | 77 | 67 | .132 | .155 | 1.80 | .56 | 5.8 | 7.2 | 6.8 |
| December | 27.928 | 28.462 | 27.290 | 21.5 | 26.8 | 29.0 | 18.2 | 23.6 | 46 | − 8 | 18 | 22 | 85 | 80 | .100 | .120 | 1.49 | .30 | 6.4 | 8.4 | 8.3 |
| Year | 27.968 | 28.680 | 27.290 | 38.4 | 53.2 | 55.7 | 36.1 | 45.9 | 96 | −11 | 32 | 31 | 77 | 48 | .195 | .183 | 15.75 | .72 | 5.4 | 6.6 | 6.2 |

[1] 8 p. m. observations.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SHREVEPORT, LA.

[$H_b$=249 ft.; $h_t$=77 ft.; $h_r$=70 ft.; $h_a$=93 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 9.1 | SE. | 31 | S. | 0 | 9 | 7 | 4 | 20 | 11 | 1 | 1 | 9 | 0 | 6 | 3 | 22 | 13 | 9 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 5 | 0 |
| February | 8.2 | NW. | 23 | NW. | 0 | 9 | 7 | 3 | 8 | 10 | 7 | 1 | 13 | 0 | 14 | 4 | 11 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 |
| March | 9.9 | S. | 42 | W. | 1 | 5 | 1 | 2 | 9 | 27 | 2 | 6 | 10 | 0 | 14 | 13 | 4 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| April | 8.4 | S. | 32 | W. | 0 | 5 | 5 | 2 | 12 | 14 | 6 | 3 | 13 | 0 | 14 | 6 | 10 | 7 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 7.3 | S. | 36 | S. | 0 | 3 | 2 | 5 | 11 | 33 | 1 | 3 | 4 | 0 | 18 | 9 | 4 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 4 | 0 |
| June | 6.6 | S. | 35 | S. | 0 | 3 | 6 | 4 | 10 | 23 | 8 | 2 | 4 | 0 | 14 | 7 | 9 | 13 | 7 | 0 | 0 | 1 | 0 | 0 | 14 | 0 | 13 | 0 |
| July | 5.3 | NW. | 36 | SE. | 0 | 5 | 7 | 10 | 8 | 9 | 5 | 6 | 12 | 0 | 16 | 13 | 2 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 12 | 0 |
| August | 5.8 | S. | 26 | SE. | 0 | 2 | 5 | 13 | 14 | 18 | 8 | 0 | 2 | 0 | 17 | 11 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 4 | 0 |
| September | 6.1 | S. | 22 | E. | 0 | 10 | 10 | 6 | 15 | 16 | 1 | 0 | 2 | 0 | 19 | 9 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 3 | 0 |
| October | 6.3 | SE. | 35 | W. | 0 | 3 | 8 | 9 | 23 | 7 | 0 | 4 | 8 | 0 | 25 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 7.1 | SE. | 24 | SE. | 0 | 6 | 2 | 2 | 19 | 11 | 6 | 4 | 10 | 0 | 22 | 3 | 5 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| December | 8.4 | S. | 28 | S. | 0 | 6 | 4 | 4 | 12 | 17 | 4 | 3 | 12 | 0 | 14 | 7 | 10 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 4 | 0 |
| Year | 7.4 | S. | 42 | W. | 1 | 66 | 64 | 64 | 161 | 196 | 49 | 33 | 99 | 0 | 193 | 89 | 84 | 75 | 60 | 1 | 0 | 2 | 0 | 2 | 92 | 29 | 53 | 0 |

SIOUX CITY, IOWA.

[$H_b$=1,135 ft.; $h_t$=94 ft.; $h_r$=86 ft.; $h_a$=164 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 15.2 | NW. | 50 | NW. | 4 | 6 | 2 | 3 | 6 | 14 | 2 | 5 | 24 | 0 | 14 | 7 | 10 | 11 | 6 | 13 | 9 | 0 | 0 | 20 | 0 | 30 | 0 | 0 |
| February | 11.6 | NW. | 44 | NW. | 2 | 12 | 4 | 5 | 6 | 7 | 2 | 7 | 15 | 0 | 15 | 10 | 4 | 5 | 2 | 10 | 5 | 0 | 1 | 17 | 0 | 28 | 0 | 0 |
| March | 13.9 | N. | 58 | NW. | 2 | 16 | 1 | 8 | 14 | 7 | 1 | 0 | 14 | 1 | 12 | 14 | 5 | 6 | 4 | 7 | 2 | 0 | 0 | 6 | 0 | 24 | 0 | 0 |
| April | 13.5 | NW. | 48 | NW. | 4 | 14 | 8 | 2 | 5 | 8 | 2 | 2 | 18 | 1 | 8 | 13 | 9 | 11 | 8 | 3 | 3 | 0 | 0 | 0 | 0 | 7 | 1 | 0 |
| May | 13.7 | NW. | 49 | NW. | 4 | 5 | 2 | 9 | 10 | 10 | 3 | 8 | 15 | 0 | 17 | 9 | 5 | 11 | 6 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 11 | 0 |
| June | 12.3 | NW. | 60 | NW. | 2 | 8 | 5 | 5 | 7 | 7 | 3 | 4 | 21 | 0 | 13 | 14 | 3 | 13 | 8 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 8 | 0 |
| July | 10.2 | S. | 37 | S. | 0 | 3 | 8 | 1 | 19 | 28 | 1 | 0 | 2 | 0 | 25 | 6 | 0 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 11 | 0 |
| August | 10.5 | S. | 70 | SW. | 2 | 8 | 5 | 5 | 13 | 21 | 3 | 3 | 3 | 1 | 16 | 11 | 4 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 | 1 |
| September | 12.4 | S. | 47 | NW. | 4 | 6 | 3 | 2 | 16 | 16 | 0 | 4 | 13 | 0 | 17 | 10 | 3 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 7 | 0 |
| October | 13.5 | S. | 43 | NW. | 2 | 18 | 4 | 1 | 8 | 15 | 2 | 3 | 11 | 0 | 16 | 5 | 10 | 7 | 4 | 3 | 2 | 0 | 0 | 1 | 0 | 7 | 1 | 0 |
| November | 11.2 | NW. | 48 | S. | 1 | 15 | 3 | 2 | 1 | 13 | 3 | 10 | 13 | 0 | 19 | 3 | 8 | 5 | 3 | 3 | 3 | 0 | 0 | 7 | 0 | 20 | 0 | 0 |
| December | 12.6 | NW. | 46 | NW. | 2 | 5 | 2 | 5 | 9 | 9 | 2 | 8 | 22 | 0 | 13 | 10 | 8 | 8 | 7 | 11 | 6 | 0 | 0 | 19 | 0 | 27 | 1 | 0 |
| Year | 12.6 | NW. | 70 | SW. | 29 | 116 | 47 | 48 | 114 | 155 | 24 | 54 | 171 | 3 | 185 | 112 | 69 | 107 | 68 | 50 | 30 | 2 | 2 | 70 | 35 | 145 | 49 | 1 |

SITKA, ALASKA.

[$H_b$=90 ft.; $h_t$=3 ft.; $h_r$=2 ft.; $h_a$=— ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | NE. | .... | ..... | .... | 8 | 8 | 3 | 0 | 0 | 0 | 0 | 0 | 12 | 23 | 3 | 5 | 6 | 5 | 7 | 4 | .... | .... | 16 | 0 | 30 | .... | .... |
| February | ..... | E. | .... | ..... | .... | 0 | 3 | 9 | 4 | 1 | 1 | 4 | 1 | 6 | 7 | 4 | 18 | 15 | 15 | .... | .... | 1 | 1 | 2 | 0 | 22 | .... | .... |
| March | ..... | NE. | .... | ..... | .... | 1 | 8 | 6 | 5 | 3 | 2 | 3 | 1 | 2 | 7 | 8 | 16 | 15 | 14 | 10 | 7 | 1 | .... | 6 | 0 | 23 | .... | .... |
| April | ..... | E. | .... | ..... | .... | 0 | 1 | 9 | 5 | 1 | 3 | 4 | 2 | 5 | 7 | 6 | 17 | 18 | 14 | 0 | 0 | .... | .... | 0 | 0 | 8 | .... | .... |
| May | ..... | SW. | .... | ..... | .... | 0 | 1 | 3 | 3 | 0 | 10 | 3 | 7 | 4 | 13 | 4 | 14 | 16 | 14 | 2 | 1 | .... | .... | 0 | 0 | 7 | .... | .... |
| June | ..... | SW. | .... | ..... | .... | 0 | 0 | 1 | 0 | 0 | 12 | 9 | 6 | 2 | 5 | 10 | 15 | 19 | 18 | 0 | 0 | .... | .... | 0 | 0 | 0 | .... | .... |
| July | ..... | NW. | .... | ..... | .... | 1 | 1 | 0 | 0 | 3 | 4 | 7 | 9 | 6 | 7 | 2 | 22 | 19 | 16 | 0 | 0 | .... | .... | 0 | 0 | 0 | .... | .... |
| August | ..... | SW. | .... | ..... | .... | 2 | 0 | 0 | 1 | 3 | 9 | 7 | 8 | 1 | 7 | 4 | 20 | 17 | 17 | 0 | 0 | .... | .... | 0 | 0 | 0 | .... | 1 |
| September | ..... | S. | .... | ..... | .... | 2 | 0 | 4 | 3 | 9 | 1 | 4 | 6 | 1 | 4 | 4 | 22 | 24 | 24 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| October | ..... | E. | .... | ..... | .... | 0 | 2 | 8 | 2 | 1 | 4 | 3 | 5 | 6 | 4 | 9 | 18 | 24 | 24 | .... | .... | 2 | 2 | 0 | 0 | 0 | .... | 0 |
| November | ..... | E. | .... | ..... | .... | 1 | 4 | 8 | 8 | 2 | 3 | 2 | 2 | 0 | 1 | 7 | 22 | 24 | 22 | 7 | 2 | .... | .... | 0 | 0 | 8 | .... | .... |
| December | ..... | E. | .... | ..... | .... | 0 | 6 | 8 | 2 | 2 | 3 | 3 | 3 | 4 | 2 | 8 | 21 | 21 | 20 | 12 | .... | 1 | .... | 3 | 0 | 22 | .... | .... |
| Year | ..... | E. | .... | ..... | .... | 15 | 34 | 59 | 33 | 25 | 52 | 49 | 50 | 49 | 87 | 69 | 210 | 218 | 203 | .... | .... | .... | .... | 27 | 0 | 120 | .... | .... |

SPOKANE, WASH.

[$H_b$=1,929 ft.; $h_t$=101 ft.; $h_r$=94 ft.; $h_a$=110 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.2 | NE. | 36 | SW. | 0 | 6 | 15 | 13 | 4 | 6 | 13 | 2 | 3 | 0 | 3 | 9 | 19 | 20 | 14 | 24 | 19 | 0 | 0 | 24 | 0 | 30 | 0 | 0 |
| February | 5.5 | NE. | 28 | SW. | 0 | 12 | 15 | 6 | 2 | 4 | 14 | 0 | 5 | 0 | 4 | 6 | 19 | 11 | 8 | 13 | 10 | 0 | 4 | 6 | 0 | 21 | 0 | 0 |
| March | 8.2 | SW. | 35 | W. | 0 | 1 | 8 | 8 | 0 | 7 | 28 | 5 | 5 | 0 | 0 | 12 | 19 | 16 | 14 | 9 | 7 | 0 | 1 | 0 | 0 | 12 | 0 | 0 |
| April | 7.1 | SW. | 30 | SW. | 0 | 1 | 5 | 6 | 2 | 6 | 28 | 5 | 7 | 0 | 4 | 11 | 15 | 9 | 7 | 3 | 3 | 3 | 2 | 0 | 0 | 2 | 0 | 0 |
| May | 8.1 | SW. | 31 | W. | 0 | 2 | 9 | 7 | 4 | 13 | 20 | 5 | 2 | 0 | 3 | 11 | 17 | 11 | 9 | 2 | 0 | 4 | 0 | 0 | 0 | 2 | 2 | 0 |
| June | 6.1 | SW. | 36 | SW. | 0 | 3 | 6 | 5 | 3 | 12 | 19 | 8 | 4 | 0 | 7 | 10 | 13 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 |
| July | 7.1 | SW. | 43 | SW. | 1 | 1 | 4 | 4 | 2 | 14 | 27 | 4 | 6 | 0 | 14 | 10 | 7 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| August | 5.0 | SW. | 28 | SW. | 0 | 3 | 11 | 10 | 3 | 10 | 16 | 5 | 2 | 2 | 19 | 9 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 2 | 1 |
| September | 5.6 | NE. | 29 | SW. | 0 | 0 | 16 | 8 | 3 | 9 | 15 | 4 | 4 | 1 | 14 | 7 | 9 | 6 | 5 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 0 |
| October | 5.3 | SW. | 32 | SW. | 0 | 7 | 12 | 7 | 2 | 4 | 18 | 6 | 5 | 1 | 13 | 13 | 5 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 13 | 0 | 0 |
| November | 5.6 | NE. | 32 | SW. | 0 | 4 | 18 | 5 | 2 | 8 | 16 | 3 | 4 | 0 | 6 | 8 | 16 | 11 | 9 | 6 | 4 | 0 | 1 | 5 | 0 | 21 | 0 | 0 |
| December | 4.7 | SW. | 28 | SW. | 0 | 8 | 12 | 8 | 3 | 5 | 16 | 4 | 6 | 0 | 1 | 7 | 23 | 15 | 11 | 18 | 13 | 0 | 6 | 19 | 0 | 29 | 0 | 0 |
| Year | 6.3 | SW. | 43 | SW. | 1 | 48 | 131 | 87 | 30 | 98 | 230 | 51 | 53 | 4 | 88 | 113 | 165 | 126 | 97 | 75 | 56 | 9 | 14 | 54 | 15 | 130 | 12 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SPRINGFIELD, ILL.

[$\phi$=39° 48′ N.; $\lambda$=89° 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 | 29.459 | 30.000 | 28.870 | 27.5 | 31.3 | 38.3 | 20.8 | 29.6 | 62 | − 9 | 23 | 24 | 82 | 74 | 0.149 | 0.154 | 4.77 | 1.47 | 6.7 | 5.7 | 6.8 |
| February | 29.483 | 30.000 | 29.040 | 22.9 | 29.9 | 34.7 | 19.8 | 27.2 | 65 | − 2 | 18 | 23 | 81 | 74 | .105 | .132 | 1.00 | .51 | 5.9 | 5.7 | 6.2 |
| March | 29.270 | 29.730 | 28.360 | 33.3 | 42.4 | 49.8 | 29.7 | 39.8 | 76 | 9 | 28 | 32 | 80 | 68 | .166 | .201 | 1.89 | .68 | 6.2 | 5.0 | 6.3 |
| April | 29.286 | 29.630 | 28.860 | 45.9 | 55.3 | 60.9 | 42.2 | 51.6 | 84 | 27 | 38 | 40 | 76 | 58 | .244 | .266 | 1.43 | .53 | 7.1 | 6.8 | 7.2 |
| May | 29.220 | 29.550 | 28.850 | 58.5 | 69.0 | 74.5 | 54.7 | 64.6 | 92 | 42 | 50 | 52 | 75 | 56 | .386 | .410 | 4.21 | 1.08 | 6.0 | 6.1 | 6.4 |
| June | 29.186 | 29.510 | 28.660 | 63.2 | 72.3 | 77.9 | 58.7 | 68.3 | 96 | 53 | 56 | 57 | 78 | 62 | .456 | .479 | 3.14 | 1.54 | 5.2 | 5.4 | 5.8 |
| July | 29.302 | 29.500 | 29.110 | 75.2 | 88.0 | 95.1 | 70.8 | 83.0 | 102 | 60 | 65 | 65 | 72 | 48 | .633 | .633 | .31 | .24 | 2.4 | 4.0 | 3.3 |
| August | 29.331 | 29.560 | 29.110 | 70.3 | 80.2 | 87.5 | 67.1 | 77.3 | 98 | 52 | 65 | 66 | 82 | 63 | .630 | .658 | 4.34 | 1.11 | 4.3 | 4.2 | 4.4 |
| September | 29.358 | 29.670 | 28.930 | 57.7 | 67.8 | 76.1 | 55.3 | 65.7 | 93 | 38 | 51 | 54 | 80 | 62 | .409 | .454 | 3.35 | 2.18 | 3.8 | 3.2 | 4.5 |
| October | 29.387 | 29.850 | 28.820 | 46.9 | 57.9 | 65.9 | 44.9 | 55.4 | 87 | 31 | 41 | 44 | 81 | 63 | .272 | .312 | 1.97 | .70 | 5.0 | 3.2 | 4.5 |
| November | 29.407 | 29.790 | 28.670 | 38.3 | 46.3 | 53.6 | 35.6 | 44.5 | 74 | 14 | 32 | 35 | 77 | 64 | .193 | .218 | 2.26 | 1.44 | 3.8 | 2.7 | 3.4 |
| December | 29.321 | 29.950 | 28.810 | 24.3 | 30.9 | 36.4 | 20.8 | 28.6 | 68 | − 3 | 18 | 22 | 76 | 68 | .114 | .133 | 1.22 | .68 | 5.2 | 5.8 | 5.9 |
| Year | 29.334 | 30.000 | 28.360 | 47.0 | 55.9 | 62.6 | 43.4 | 53.0 | 102 | − 9 | 40 | 43 | 78 | 63 | .313 | .338 | 29.89 | 2.18 | 5.1 | 4.8 | 5.4 |

SPRINGFIELD, MO.

[$\phi$=37° 12′ N.; $\lambda$=93° 18′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.704 | 29.150 | 28.260 | 31.1 | 34.8 | 43.4 | 24.2 | 33.8 | 64 | − 8 | 28 | 30 | 88 | 82 | 0.177 | 0.187 | 9.31 | 2.63 | 6.9 | 5.8 | 6.4 |
| February | 28.751 | 29.170 | 28.360 | 29.0 | 37.7 | 42.4 | 25.7 | 34.0 | 71 | 5 | 24 | 29 | 84 | 74 | .138 | .167 | .57 | .20 | 4.7 | 4.8 | 4.0 |
| March | 28.538 | 29.050 | 27.920 | 40.6 | 51.6 | 59.3 | 36.4 | 47.8 | 88 | 11 | 33 | 35 | 77 | 56 | .202 | .219 | 2.42 | .76 | 4.9 | 3.9 | 3.9 |
| April | 28.582 | 28.880 | 28.160 | 47.1 | 56.0 | 61.3 | 44.3 | 52.8 | 80 | 28 | 41 | 43 | 79 | 65 | .260 | .286 | 5.15 | 1.44 | 5.2 | 7.2 | 4.8 |
| May | 28.509 | 28.760 | 28.220 | 60.1 | 70.0 | 75.2 | 56.4 | 65.8 | 87 | 42 | 53 | 54 | 78 | 60 | .416 | .440 | 2.78 | .65 | 4.5 | 4.8 | 3.5 |
| June | 28.513 | 28.760 | 27.890 | 65.4 | 74.1 | 78.4 | 61.7 | 70.0 | 88 | 53 | 60 | 61 | 84 | 67 | .529 | .561 | 5.00 | 1.61 | 5.2 | 4.8 | 4.1 |
| July | 28.604 | 28.800 | 28.440 | 74.4 | 84.7 | 91.0 | 70.3 | 80.6 | 96 | 63 | 66 | 65 | 74 | 52 | .639 | .615 | .74 | .51 | .6 | 3.0 | 1.5 |
| August | 28.630 | 28.850 | 28.419 | 71.7 | 82.0 | 88.9 | 68.7 | 78.8 | 95 | 52 | 64 | 64 | 78 | 56 | .619 | .602 | 4.45 | 2.02 | 2.3 | 4.8 | 2.8 |
| September | 28.661 | 28.948 | 28.260 | 60.4 | 71.2 | 78.9 | 57.4 | 68.2 | 92 | 35 | 54 | 52 | 79 | 53 | .443 | .430 | 1.19 | .53 | 2.8 | 3.1 | 2.8 |
| October | 28.675 | 29.080 | 28.280 | 51.3 | 62.2 | 70.3 | 48.5 | 59.4 | 87 | 27 | 42 | 43 | 71 | 53 | .281 | .296 | 1.24 | .95 | 3.5 | 3.9 | 4.2 |
| November | 28.705 | 29.050 | 28.260 | 42.1 | 50.7 | 57.8 | 38.8 | 48.3 | 78 | 11 | 33 | 34 | 72 | 57 | .203 | .209 | 2.88 | .97 | 3.8 | 2.7 | 2.7 |
| December | 28.576 | 29.030 | 28.090 | 28.6 | 36.0 | 42.2 | 24.3 | 33.2 | 74 | − 6 | 24 | 26 | 83 | 67 | .146 | .151 | 2.07 | .68 | 3.3 | 3.9 | 4.5 |
| Year | 28.621 | 29.170 | 27.890 | 50.2 | 59.2 | 65.8 | 46.4 | 56.1 | 96 | − 8 | 44 | 45 | 79 | 62 | .338 | .347 | 37.80 | 2.63 | 4.0 | 4.4 | 3.8 |

SYRACUSE, N. Y.

[$\phi$=43° 2′ N.; $\lambda$=76° 10′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.492 | 30.016 | 28.700 | 28.6 | 32.0 | 39.7 | 22.5 | 31.1 | 64 | 1 | 23 | 23 | 79 | 68 | 0.144 | 0.141 | 2.00 | 0.85 | 8.2 | 7.2 | 8.1 |
| February | 29.370 | 29.997 | 28.490 | 16.5 | 19.4 | 24.8 | 11.8 | 18.3 | 41 | −11 | 13 | 15 | 84 | 82 | .084 | .089 | 3.93 | 1.27 | 8.1 | 7.6 | 7.3 |
| March | 29.294 | 29.680 | 28.670 | 22.4 | 25.4 | 31.8 | 17.5 | 24.6 | 57 | − 4 | 17 | 18 | 82 | 73 | .102 | .099 | 3.36 | .99 | 6.9 | 6.5 | 6.3 |
| April | 29.297 | 29.580 | 28.700 | 41.9 | 45.1 | 51.8 | 37.1 | 44.4 | 71 | 27 | 34 | 35 | 76 | 68 | .202 | .206 | 1.97 | .55 | 7.2 | 6.7 | 6.9 |
| May | 29.276 | 29.712 | 28.770 | 53.2 | 57.3 | 65.8 | 47.2 | 56.5 | 79 | 38 | 43 | 44 | 71 | 63 | .295 | .304 | 3.87 | 2.18 | 6.5 | 6.2 | 6.0 |
| June | 29.311 | 29.574 | 28.950 | 60.1 | 62.6 | 68.6 | 54.0 | 61.3 | 81 | 47 | 54 | 54 | 80 | 76 | .421 | .432 | 5.12 | 1.59 | 6.8 | 6.5 | 6.3 |
| July | 29.372 | 29.640 | 28.920 | 72.7 | 75.9 | 83.6 | 65.9 | 74.8 | 93 | 53 | 66 | 67 | 80 | 75 | .644 | .666 | .96 | .46 | 5.3 | 5.1 | 5.0 |
| August | 29.363 | 29.599 | 29.050 | 67.2 | 72.7 | 80.5 | 61.2 | 70.8 | 97 | 50 | 60 | 60 | 79 | 66 | .536 | .539 | 3.42 | .84 | 4.8 | 3.8 | 4.5 |
| September | 29.404 | 29.800 | 29.090 | 59.0 | 62.2 | 70.9 | 53.5 | 62.2 | 87 | 36 | 50 | 51 | 75 | 68 | .384 | .394 | 4.12 | 1.47 | 5.1 | 5.1 | 5.4 |
| October | 29.474 | 29.859 | 28.770 | 47.3 | 52.7 | 61.7 | 42.1 | 51.9 | 83 | 32 | 38 | 41 | 72 | 65 | .242 | .265 | 1.44 | .57 | 5.2 | 4.3 | 5.5 |
| November | 29.436 | 29.864 | 28.510 | 35.7 | 38.9 | 45.4 | 31.7 | 38.6 | 68 | 14 | 29 | 30 | 77 | 70 | .166 | .175 | 2.00 | .46 | 7.2 | 6.3 | 6.7 |
| December | 29.308 | 29.930 | 28.630 | 26.6 | 27.7 | 33.6 | 20.7 | 27.2 | 59 | 6 | 21 | 20 | 80 | 72 | .119 | .112 | 2.86 | .73 | 8.6 | 7.7 | 7.8 |
| Year | 29.366 | 30.016 | 28.490 | 44.3 | 47.7 | 54.8 | 38.8 | 46.8 | 97 | −11 | 37 | 38 | 78 | 70 | .278 | .285 | 35.05 | 2.18 | 6.7 | 6.1 | 6.3 |

TACOMA, WASH.

[$\phi$=47° 16′ N.; $\lambda$=122° 23′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.633 | 30.310 | 29.050 | 30.1 | 33.4 | 35.6 | 26.9 | 31.2 | 52 | 12 | 23 | 23 | 75 | 64 | 0.127 | 0.125 | 4.03 | 0.86 | 7.4 | 8.1 | 7.5 |
| February | 29.827 | 30.170 | 29.120 | 38.9 | 46.0 | 48.6 | 35.5 | 42.0 | 62 | 24 | 36 | 38 | 91 | 77 | .220 | .242 | 7.32 | 1.79 | 6.9 | 7.6 | 7.5 |
| March | 29.810 | 30.230 | 29.130 | 41.1 | 47.6 | 50.4 | 38.4 | 44.4 | 64 | 30 | 37 | 40 | 86 | 76 | .224 | .252 | 8.23 | 1.56 | 8.4 | 8.3 | 8.4 |
| April | 29.913 | 30.230 | 29.536 | 43.2 | 54.7 | 57.4 | 41.1 | 49.2 | 68 | 34 | 40 | 40 | 87 | 60 | .244 | .250 | 2.86 | .81 | 7.5 | 7.3 | 7.0 |
| May | 29.841 | 30.300 | 29.360 | 45.3 | 58.0 | 60.2 | 43.5 | 51.8 | 76 | 34 | 41 | 41 | 85 | 56 | .259 | .262 | 1.10 | .43 | 5.9 | 6.6 | 6.5 |
| June | 29.835 | 30.130 | 29.480 | 51.2 | 65.4 | 67.6 | 50.1 | 58.8 | 81 | 43 | 48 | 48 | 87 | 56 | .332 | .339 | 1.66 | .60 | 5.4 | 6.3 | 6.0 |
| July | 29.837 | 30.070 | 29.600 | 54.6 | 68.1 | 69.9 | 53.3 | 61.6 | 85 | 47 | 51 | 51 | 88 | 58 | .376 | .387 | 3.00 | 1.55 | 6.7 | 5.8 | 6.1 |
| August | 29.809 | 30.070 | 29.632 | 55.1 | 72.1 | 73.9 | 53.9 | 63.9 | 90 | 45 | 52 | 54 | 91 | 55 | .395 | .426 | .22 | .18 | 5.4 | 3.9 | 4.7 |
| September | 29.835 | 30.150 | 29.567 | 52.2 | 65.4 | 67.6 | 49.7 | 58.6 | 80 | 43 | 48 | 51 | 87 | 62 | .340 | .379 | .50 | .46 | 4.2 | 4.9 | 5.1 |
| October | 29.928 | 30.290 | 29.450 | 43.7 | 54.4 | 56.6 | 40.7 | 48.6 | 68 | 32 | 39 | 43 | 86 | 70 | .245 | .286 | 1.95 | .83 | 3.2 | 6.1 | 6.0 |
| November | 29.951 | 30.440 | 29.230 | 39.1 | 45.5 | 48.1 | 35.5 | 41.8 | 56 | 23 | 36 | 39 | 87 | 78 | .216 | .241 | 5.49 | 1.49 | 5.6 | 7.0 | 6.6 |
| December | 29.773 | 30.410 | 28.883 | 36.4 | 39.8 | 41.6 | 33.8 | 37.7 | 51 | 22 | 34 | 36 | 90 | 87 | .198 | .216 | 3.65 | .68 | 8.5 | 9.4 | 9.1 |
| Year | 29.833 | 30.440 | 28.883 | 44.2 | 54.2 | 56.5 | 41.9 | 49.1 | 90 | 12 | 40 | 42 | 87 | 67 | .265 | .284 | 40.01 | 1.79 | 6.3 | 6.8 | 6.7 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

SPRINGFIELD, ILL.

[$H_b$=636 ft.; $h_t$=10 ft.; $h_r$=4 ft.; $h_a$=91 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Aurora. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.1 | S. | 32 | W. | 0 | 3 | 3 | 6 | 10 | 14 | 3 | 11 | 12 | 0 | 10 | 1 | 20 | 13 | 11 | 7 | 3 | 0 | 1 | 9 | 0 | 23 | 0 | 0 |
| February | 9.1 | NW. | 32 | NW. | 0 | 4 | 6 | 3 | 7 | 2 | 8 | 8 | 20 | 0 | 9 | 6 | 14 | 7 | 3 | 11 | 6 | 0 | 0 | 10 | 0 | 26 | 0 | 0 |
| March | 10.7 | E. | 33 | W. | 0 | 7 | 9 | 10 | 11 | 9 | 4 | 4 | 8 | 0 | 9 | 8 | 14 | 7 | 7 | 11 | 4 | 0 | 1 | 4 | 0 | 18 | 2 | 0 |
| April | 9.9 | NW. | 34 | SW. | 0 | 4 | 6 | 2 | 7 | 10 | 6 | 10 | 14 | 1 | 4 | 7 | 19 | 14 | 10 | 2 | 2 | 1 | 0 | 0 | 0 | 4 | 3 | 0 |
| May | 9.0 | S. | 26 | W. | 0 | 3 | 6 | 7 | 3 | 17 | 7 | 10 | 9 | 0 | 6 | 10 | 15 | 14 | 10 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| June | 8.4 | W. | 30 | W. | 0 | 2 | 7 | 5 | 5 | 10 | 7 | 12 | 12 | 0 | 10 | 9 | 11 | 9 | 7 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| July | 5.4 | NE. | 25 | NW. | 0 | 4 | 13 | 13 | 7 | 6 | 5 | 9 | 5 | 0 | 14 | 17 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 7 | 0 |
| August | 6.3 | S. | 33 | W. | 0 | 6 | 6 | 5 | 4 | 15 | 11 | 4 | 10 | 1 | 14 | 20 | 7 | 9 | 9 | 0 | 0 | 1 | 0 | 0 | 13 | 0 | 8 | 0 |
| September | 8.0 | S. | 29 | NW. | 0 | 5 | 1 | 4 | 4 | 20 | 4 | 10 | 12 | 0 | 11 | 14 | 5 | 8 | 5 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 4 | 0 |
| October | 8.0 | S. | 27 | SW. | 0 | 5 | 1 | 7 | 16 | 16 | 5 | 7 | 5 | 0 | 16 | 4 | 11 | 10 | 8 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 3 | 0 |
| November | 10.1 | S. | 31 | NW. | 0 | 2 | 5 | 5 | 3 | 17 | 10 | 9 | 9 | 0 | 20 | 1 | 9 | 5 | 4 | 1 | 0 | 0 | 0 | 2 | 0 | 10 | 0 | 0 |
| December | 9.7 | NW. | 32 | NW. | 0 | 5 | 2 | 5 | 8 | 9 | 12 | 9 | 12 | 0 | 8 | 11 | 12 | 10 | 5 | 10 | 6 | 1 | 1 | 13 | 0 | 24 | 2 | 0 |
| Year | 8.8 | S. | 34 | SW. | 0 | 50 | 65 | 72 | 85 | 145 | 82 | 103 | 128 | 2 | 131 | 98 | 137 | 109 | 81 | 43 | 22 | 4 | 5 | 38 | 45 | 107 | 45 | 0 |

SPRINGFIELD, MO.

[$H_b$=1,324 ft.; $h_t$=98 ft.; $h_r$=66 ft.; $h_a$=104 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 13.3 | SE. | 34 | NW. | 0 | 7 | 7 | 4 | 19 | 5 | 4 | 3 | 13 | 0 | 10 | 3 | 18 | 13 | 12 | 5 | 1 | 0 | 4 | 9 | 0 | 22 | 3 | 0 |
| February | 10.6 | NW. | 34 | NW. | 0 | 11 | 3 | 3 | 11 | 6 | 5 | 4 | 15 | 0 | 15 | 6 | 8 | 9 | 5 | 8 | 3 | 0 | 1 | 8 | 0 | 23 | 0 | 0 |
| March | 14.2 | SE. | 49 | NW. | 3 | 9 | 4 | 2 | 14 | 11 | 9 | 6 | 7 | 0 | 16 | 7 | 8 | 10 | 9 | 8 | 6 | 0 | 0 | 2 | 0 | 11 | 3 | 0 |
| April | 11.9 | S. | 40 | SW. | 1 | 9 | 10 | 3 | 5 | 14 | 5 | 7 | 7 | 0 | 12 | 10 | 8 | 14 | 13 | 2 | 2 | 2 | 0 | 0 | 0 | 3 | 4 | 0 |
| May | 11.2 | S. | 34 | W. | 0 | 1 | 7 | 5 | 18 | 14 | 8 | 2 | 7 | 0 | 16 | 13 | 2 | 11 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| June | 9.5 | SE. | 35 | W. | 0 | 3 | 6 | 1 | 17 | 10 | 6 | 6 | 11 | 0 | 13 | 12 | 5 | 11 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 11 | 0 |
| July | 6.7 | SE. | 50 | S. | 2 | 8 | 16 | 8 | 24 | 3 | 2 | 1 | 0 | 0 | 27 | 4 | 0 | 2 | 2 | 0 | 0 | 2 | 0 | 0 | 21 | 0 | 6 | 0 |
| August | 8.0 | S. | 31 | NE. | 0 | 4 | 7 | 1 | 21 | 17 | 9 | 1 | 2 | 0 | 20 | 10 | 1 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 8 | 0 |
| September | 10.0 | S. | 34 | S. | 0 | 7 | 6 | 2 | 17 | 22 | 0 | 0 | 6 | 0 | 19 | 9 | 2 | 7 | 3 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 0 |
| October | 11.0 | SE. | 37 | NW. | 0 | 3 | 8 | 4 | 22 | 13 | 2 | 2 | 8 | 0 | 17 | 5 | 9 | 6 | 6 | 2 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| November | 11.8 | S. | 38 | NW. | 0 | 4 | 1 | 3 | 13 | 14 | 8 | 6 | 11 | 0 | 21 | 4 | 5 | 6 | 6 | 2 | 1 | 0 | 3 | 2 | 0 | 8 | 3 | 0 |
| December | 12.4 | SE. | 37 | W. | 0 | 8 | 4 | 2 | 16 | 13 | 6 | 6 | 7 | 0 | 16 | 5 | 10 | 10 | 8 | 9 | 6 | 0 | 1 | 7 | 0 | 21 | 1 | 0 |
| Year | 10.9 | SE. | 50 | S. | 6 | 74 | 79 | 38 | 197 | 142 | 64 | 44 | 94 | 0 | 202 | 88 | 76 | 106 | 87 | 36 | 19 | 5 | 13 | 28 | 44 | 91 | 52 | 0 |

SYRACUSE, N. Y.

[$H_b$=597 ft.; $h_t$=97 ft.; $h_r$=65 ft.; $h_a$=113 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 16.8 | S. | 48 | NW. | 9 | 3 | 1 | 3 | 6 | 22 | 9 | 10 | 8 | 0 | 2 | 7 | 22 | 17 | 8 | 13 | 6 | 0 | 0 | 10 | 0 | 23 | 0 | 0 |
| February | 12.9 | W. | 52 | NW. | 2 | 2 | 7 | 7 | 1 | 7 | 9 | 12 | 13 | 0 | 4 | 9 | 16 | 21 | 16 | 22 | 19 | 0 | 0 | 18 | 0 | 29 | 0 | 0 |
| March | 11.0 | NW. | 44 | SW. | 1 | 3 | 3 | 9 | 3 | 14 | 7 | 13 | 10 | 0 | 7 | 11 | 13 | 20 | 13 | 20 | 17 | 0 | 0 | 19 | 0 | 27 | 0 | 0 |
| April | 11.6 | NW. | 44 | NW. | 2 | 5 | 4 | 10 | 5 | 8 | 7 | 11 | 10 | 0 | 5 | 10 | 15 | 16 | 12 | 6 | 3 | 0 | 0 | 0 | 0 | 6 | 2 | 1 |
| May | 12.7 | NW. | 47 | NW. | 1 | 4 | 1 | 7 | 3 | 11 | 3 | 19 | 14 | 0 | 8 | 10 | 13 | 18 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| June | 9.5 | NW. | 31 | NW. | 0 | 2 | 1 | 10 | 7 | 9 | 3 | 12 | 16 | 0 | 6 | 13 | 11 | 17 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| July | 8.6 | S. | 37 | NW. | 0 | 8 | 1 | 3 | 4 | 23 | 11 | 3 | 9 | 0 | 11 | 14 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 0 |
| August | 8.4 | S. | 56 | SW. | 1 | 6 | 1 | 2 | 5 | 20 | 8 | 14 | 6 | 0 | 13 | 11 | 7 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 8 | 1 |
| September | 10.7 | S. | 29 | SW. | 0 | 3 | 1 | 2 | 6 | 27 | 6 | 9 | 6 | 0 | 8 | 15 | 7 | 15 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 |
| October | 11.3 | S. | 50 | NW. | 3 | 1 | 1 | 3 | 5 | 27 | 13 | 8 | 4 | 0 | 9 | 10 | 12 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| November | 12.6 | S. | 45 | SW. | 2 | 2 | 3 | 3 | 7 | 17 | 11 | 15 | 2 | 0 | 7 | 5 | 18 | 17 | 11 | 8 | 6 | 0 | 0 | 5 | 0 | 14 | 0 | 0 |
| December | 12.9 | W. | 58 | NW. | 2 | 1 | 4 | 3 | 7 | 12 | 14 | 15 | 6 | 0 | 3 | 7 | 21 | 18 | 9 | 23 | 14 | 0 | 0 | 15 | 0 | 26 | 1 | 0 |
| Year | 11.6 | S. | 58 | NW. | 23 | 40 | 28 | 62 | 59 | 197 | 101 | 141 | 104 | 0 | 83 | 122 | 161 | 183 | 125 | 92 | 65 | 0 | 0 | 67 | 10 | 126 | 29 | 2 |

TACOMA, WASH.

[$H_b$=213 ft.; $h_t$=113 ft.; $h_r$=104 ft.; $h_a$=120 ft.]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.1 | NE. | 40 | NE. | 1 | 3 | 19 | 9 | 9 | 4 | 18 | 0 | 0 | 0 | 5 | 5 | 21 | 14 | 14 | 21 | 12 | 0 | 1 | 9 | 0 | 24 | 0 | 0 |
| February | 5.6 | N. | 37 | SW. | 0 | 12 | 9 | 6 | 4 | 2 | 15 | 6 | 2 | 2 | 4 | 7 | 18 | 15 | 12 | 6 | 5 | 0 | 11 | 0 | 0 | 8 | 0 | 0 |
| March | 7.3 | SW. | 28 | SW. | 0 | 11 | 3 | 2 | 3 | 8 | 30 | 4 | 0 | 1 | 0 | 9 | 22 | 20 | 20 | 6 | 4 | 1 | 1 | 0 | 0 | 4 | 0 | 0 |
| April | 6.6 | SW. | 29 | SW. | 0 | 12 | 3 | 1 | 1 | 2 | 22 | 11 | 4 | 4 | 3 | 12 | 15 | 17 | 14 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 7.0 | SW. | 27 | SW. | 0 | 7 | 6 | 1 | 3 | 6 | 21 | 15 | 3 | 0 | 6 | 12 | 13 | 11 | 8 | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| June | 5.6 | N. | 20 | SW. | 0 | 21 | 2 | 0 | 2 | 3 | 14 | 11 | 3 | 4 | 8 | 8 | 14 | 12 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| July | 6.4 | SW. | 20 | SW. | 0 | 12 | 1 | 0 | 3 | 3 | 22 | 13 | 4 | 4 | 6 | 17 | 8 | 8 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| August | 4.5 | N. | 19 | W. | 0 | 27 | 2 | 3 | 2 | 1 | 9 | 6 | 11 | 1 | 11 | 13 | 7 | 2 | 2 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 0 | 1 |
| September | 5.5 | N. | 26 | NE. | 0 | 25 | 3 | 4 | 2 | 0 | 14 | 5 | 2 | 5 | 11 | 11 | 8 | 3 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 1 | 0 |
| October | 5.2 | N. | 28 | SW. | 0 | 18 | 6 | 1 | 5 | 8 | 17 | 3 | 4 | 0 | 9 | 11 | 11 | 8 | 7 | 0 | 0 | 1 | 9 | 0 | 0 | 2 | 1 | 0 |
| November | 5.9 | SW. | 29 | S. | 0 | 11 | 5 | 2 | 4 | 11 | 22 | 3 | 1 | 1 | 6 | 10 | 14 | 12 | 11 | 0 | 0 | 0 | 7 | 0 | 0 | 11 | 1 | 0 |
| December | 5.5 | SW. | 30 | SW. | 0 | 3 | 6 | 4 | 5 | 10 | 26 | 3 | 5 | 0 | 0 | 4 | 27 | 18 | 16 | 7 | 1 | 1 | 2 | 0 | 0 | 10 | 0 | 0 |
| Year | 6.2 | SW. | 40 | NE. | 1 | 162 | 65 | 33 | 43 | 58 | 230 | 80 | 39 | 22 | 69 | 119 | 178 | 140 | 118 | 41 | 22 | 9 | 46 | 9 | 1 | 59 | 7 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

TAMPA, FLA.

[$\phi$=27° 57′ N.; $\lambda$=82° 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 | 30.179 | 30.410 | 29.970 | 60.3 | 68.0 | 76.1 | 58.0 | 67.0 | 80 | 41 | 58 | 58 | 91 | 73 | 0.487 | 0.501 | 0.29 | 0.12 | 3.4 | 3.9 | 4.3 |
| February | 30.085 | 30.400 | 29.720 | 54.8 | 62.8 | 71.2 | 52.2 | 61.7 | 80 | 36 | 48 | 49 | 78 | 62 | .358 | .376 | .85 | .42 | 2.6 | 2.3 | 3.2 |
| March | 30.043 | 30.360 | 29.770 | 57.6 | 63.8 | 73.0 | 53.2 | 63.1 | 83 | 37 | 49 | 50 | 73 | 61 | .379 | .384 | .83 | .62 | 2.9 | 1.4 | 2.5 |
| April | 29.993 | 30.330 | 29.740 | 64.7 | 69.5 | 78.6 | 59.4 | 69.0 | 87 | 45 | 56 | 54 | 74 | 60 | .456 | .441 | 3.06 | 1.17 | 4.4 | 2.8 | 4.0 |
| May | 29.927 | 30.170 | 29.660 | 74.0 | 77.3 | 84.7 | 68.7 | 76.7 | 91 | 57 | 65 | 64 | 74 | 65 | .628 | .608 | 1.71 | .92 | 5.1 | 5.7 | 5.4 |
| June | 29.950 | 30.108 | 29.750 | 78.0 | 78.8 | 86.8 | 71.8 | 79.3 | 92 | 66 | 71 | 69 | 79 | 72 | .756 | .703 | 6.58 | 1.81 | 5.2 | 6.0 | 6.0 |
| July | 29.963 | 30.070 | 29.811 | 79.5 | 80.7 | 89.2 | 74.0 | 81.6 | 92 | 71 | 72 | 72 | 79 | 74 | .794 | .775 | 4.95 | 1.83 | 5.8 | 7.7 | 7.1 |
| August | 30.004 | 30.230 | 29.770 | 78.5 | 80.1 | 90.2 | 73.2 | 81.7 | 95 | 69 | 72 | 71 | 82 | 75 | .797 | .767 | 8.76 | 2.21 | 4.7 | 5.4 | 5.9 |
| September | 29.941 | 30.100 | 29.770 | 75.2 | 78.0 | 87.7 | 71.6 | 79.6 | 92 | 66 | 70 | 69 | 84 | 75 | .738 | .709 | 6.28 | 1.76 | 4.6 | 5.4 | 5.5 |
| October | 29.931 | 30.120 | 29.755 | 70.3 | 74.9 | 82.9 | 67.1 | 75.0 | 89 | 49 | 64 | 65 | 82 | 72 | .627 | .635 | .77 | .34 | 5.8 | 4.2 | 6.2 |
| November | 30.076 | 30.330 | 29.700 | 60.9 | 66.9 | 76.1 | 57.6 | 66.8 | 85 | 39 | 55 | 55 | 81 | 68 | .458 | .457 | 4.34 | 4.18 | 4.1 | 2.2 | 4.4 |
| December | 30.057 | 30.270 | 29.750 | 56.6 | 64.0 | 72.5 | 53.5 | 63.0 | 82 | 38 | 52 | 56 | 86 | 74 | .419 | .465 | 1.60 | .67 | 4.6 | 3.3 | 4.9 |
| Year | 30.012 | 30.410 | 29.660 | 67.5 | 72.1 | 80.8 | 63.4 | 72.0 | 95 | 36 | 61 | 61 | 80 | 69 | .575 | .568 | 40.02 | 4.18 | 4.4 | 4.2 | 5.0 |

TANANA, ALASKA.

[$\phi$=65° 8′ N.; $\lambda$=152° 0′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | [1]30.206 | 30.649 | 29.695 | ..... | - 7.3 | 1.0 | -17.6 | - 8.3 | 30 | -65 | ..... | .... | .... | .... | .... | ..... | 0.97 | 0.22 | ..... | 4.3 | .... |
| February | 29.884 | 30.649 | 29.216 | ..... | - 8.2 | - 1.4 | -20.8 | -11.1 | 35 | -54 | ..... | .... | .... | .... | .... | ..... | .71 | .24 | ..... | 4.4 | .... |
| March | 29.770 | 30.660 | 29.068 | ..... | 13.9 | 7.1 | -16.6 | - 4.8 | 39 | -42 | ..... | .... | .... | .... | .... | ..... | .06 | .03 | ..... | 3.1 | .... |
| April | 29.536 | 30.156 | 28.723 | ..... | 36.8 | 42.0 | 23.5 | 32.8 | 60 | 8 | ..... | .... | .... | .... | .... | ..... | .27 | .14 | ..... | 6.8 | .... |
| May | 29.546 | 30.187 | 28.983 | ..... | 49.1 | 54.3 | 34.5 | 44.4 | 72 | 18 | ..... | .... | .... | .... | .... | ..... | .86 | .25 | ..... | 7.4 | .... |
| June | 29.501 | 29.721 | 29.134 | ..... | 65.6 | 70.8 | 44.3 | 57.6 | 89 | 30 | ..... | .... | .... | .... | .... | ..... | 1.03 | .39 | ..... | 5.7 | .... |
| July | 29.624 | 29.888 | 29.294 | ..... | 67.9 | 73.4 | 44.7 | 59.0 | 83 | 32 | ..... | .... | .... | .... | .... | ..... | 1.57 | .32 | ..... | 5.3 | .... |
| August | 29.493 | 29.937 | 29.060 | ..... | 60.5 | 67.3 | 41.4 | 54.4 | 84 | 22 | ..... | .... | .... | .... | .... | ..... | 2.87 | .61 | ..... | 6.5 | .... |
| September | 29.481 | 29.988 | 28.988 | ..... | 46.6 | 52.4 | 32.7 | 42.6 | 66 | 18 | ..... | .... | .... | .... | .... | ..... | 1.92 | .36 | ..... | 7.0 | .... |
| October | 29.517 | 30.091 | 28.925 | ..... | 27.6 | 32.2 | 19.8 | 25.8 | 48 | -20 | ..... | .... | .... | .... | .... | ..... | 3.90 | .83 | ..... | 7.7 | .... |
| November | 29.511 | 30.599 | 28.651 | ..... | - 1.6 | 5.7 | - 9.9 | - 2.1 | 34 | -42 | ..... | .... | .... | .... | .... | ..... | 1.33 | .32 | ..... | 5.0 | .... |
| December | 29.612 | 30.369 | 28.742 | ..... | -19.8 | -15.0 | -28.2 | -21.6 | 15 | -58 | ..... | .... | .... | .... | .... | ..... | 2.23 | .89 | ..... | 3.5 | .... |
| Year | 29.640 | 30.660 | 28.651 | ..... | 27.6 | 32.5 | 12.3 | 22.4 | 89 | -65 | ..... | .... | .... | .... | .... | ..... | 17.69 | .89 | ..... | 5.6 | .... |

TATOOSH ISLAND, WASH.

[$\phi$=48° 23′ N.; $\lambda$=124° 44′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.691 | 30.328 | 29.010 | 33.4 | 33.5 | 36.9 | 30.6 | 33.8 | 47 | 23 | 29 | 29 | 82 | 83 | 0.157 | 0.160 | 7.55 | 2.38 | 5.4 | 5.9 | 6.3 |
| February | 29.889 | 30.300 | 29.120 | 40.8 | 42.5 | 45.4 | 38.7 | 42.0 | 58 | 31 | 39 | 39 | 93 | 88 | .240 | .242 | 10.78 | 2.29 | 6.5 | 6.7 | 6.4 |
| March | 29.865 | 30.370 | 29.170 | 42.0 | 44.7 | 46.8 | 39.6 | 43.2 | 52 | 34 | 39 | 39 | 90 | 82 | .242 | .243 | 18.16 | 4.76 | 8.2 | 7.8 | 7.9 |
| April | 30.001 | 30.300 | 29.520 | 44.2 | 47.1 | 50.1 | 42.2 | 46.2 | 55 | 38 | 42 | 43 | 91 | 86 | .265 | .278 | 6.70 | 1.11 | 8.2 | 7.9 | 7.0 |
| May | 29.951 | 30.400 | 29.310 | 46.0 | 50.1 | 52.5 | 44.5 | 48.5 | 63 | 38 | 44 | 45 | 92 | 82 | .286 | .298 | 3.58 | 1.26 | 6.5 | 5.6 | 5.1 |
| June | 29.966 | 30.270 | 29.560 | 49.7 | 54.2 | 57.2 | 48.5 | 52.8 | 71 | 46 | 47 | 50 | 92 | 85 | .328 | .355 | 1.88 | .51 | 6.7 | 5.6 | 5.4 |
| July | 29.964 | 30.190 | 29.730 | 54.0 | 58.0 | 59.9 | 52.3 | 56.1 | 64 | 48 | 52 | 54 | 95 | 86 | .395 | .415 | 4.42 | 1.61 | 8.7 | 6.5 | 6.5 |
| August | 29.941 | 30.190 | 29.730 | 53.0 | 57.8 | 59.4 | 51.1 | 55.2 | 77 | 48 | 52 | 54 | 96 | 90 | .385 | .422 | .17 | .06 | 6.3 | 4.6 | 5.2 |
| September | 29.952 | 30.260 | 29.650 | 51.9 | 55.0 | 58.2 | 48.5 | 53.4 | 73 | 44 | 48 | 50 | 90 | 86 | .343 | .368 | .97 | .44 | 4.4 | 4.1 | 4.5 |
| October | 30.032 | 30.360 | 29.300 | 46.5 | 48.9 | 52.4 | 44.2 | 48.3 | 64 | 41 | 42 | 46 | 87 | 90 | .273 | .311 | 4.30 | 1.49 | 3.7 | 4.3 | 5.5 |
| November | 30.016 | 30.540 | 29.190 | 43.6 | 44.6 | 47.4 | 40.9 | 44.2 | 52 | 35 | 38 | 39 | 83 | 82 | .238 | .243 | 7.62 | 1.60 | 3.6 | 5.4 | 5.8 |
| December | 29.834 | 30.500 | 28.710 | 39.4 | 39.9 | 42.3 | 37.0 | 39.6 | 48 | 32 | 38 | 36 | 93 | 87 | .227 | .215 | 11.67 | 2.20 | 6.8 | 8.1 | 8.4 |
| Year | 29.925 | 30.540 | 28.710 | 45.4 | 48.0 | 50.7 | 43.2 | 46.9 | 77 | 23 | 42 | 44 | 90 | 86 | .282 | .296 | 77.80 | 4.76 | 6.2 | 6.0 | 6.2 |

TAYLOR, TEX.

[$\phi$=30° 35′ N.; $\lambda$=97° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.512 | 29.960 | 29.010 | 48.1 | ..... | 60.4 | 42.7 | 51.6 | 78 | 15 | 45 | .... | 89 | .... | 0.341 | ..... | 3.29 | 1.31 | 7.9 | ..... | 7.8 |
| February | 29.587 | 30.020 | 29.030 | 44.0 | ..... | 66.2 | 40.4 | 53.3 | 85 | 20 | 37 | .... | 78 | .... | .246 | ..... | T. | T. | 4.9 | ..... | 3.9 |
| March | 29.413 | 29.930 | 28.840 | 54.3 | ..... | 78.2 | 51.5 | 64.8 | 92 | 32 | 45 | .... | 73 | .... | .333 | ..... | .12 | .12 | 4.6 | ..... | 3.4 |
| April | 29.385 | 29.850 | 28.940 | 57.8 | ..... | 76.2 | 54.2 | 65.2 | 87 | 34 | 54 | .... | 86 | .... | .429 | ..... | 3.37 | 2.26 | 6.8 | ..... | 5.1 |
| May | 29.303 | 29.520 | 29.030 | 66.2 | ..... | 83.8 | 63.5 | 73.6 | 95 | 50 | 64 | .... | 91 | .... | .598 | ..... | 6.06 | 2.88 | 6.5 | ..... | 4.5 |
| June | 29.287 | 29.472 | 28.970 | 74.2 | ..... | 92.4 | 71.6 | 82.0 | 98 | 63 | 69 | .... | 85 | .... | .718 | ..... | .48 | .44 | 5.6 | ..... | 3.8 |
| July | 29.341 | 29.560 | 29.130 | 75.5 | ..... | 93.5 | 73.2 | 83.4 | 99 | 69 | 71 | .... | 86 | .... | .752 | ..... | 4.89 | 1.96 | 5.1 | ..... | 5.3 |
| August | 29.399 | 29.640 | 29.220 | 73.1 | ..... | 91.2 | 71.4 | 81.3 | 96 | 64 | 70 | .... | 91 | .... | .746 | ..... | 2.44 | 1.08 | 5.0 | ..... | 5.2 |
| September | 29.418 | 29.743 | 29.150 | 67.7 | ..... | 88.4 | 66.1 | 77.2 | 97 | 45 | 64 | .... | 87 | .... | .617 | ..... | .50 | .33 | 4.1 | ..... | 4.2 |
| October | 29.455 | 29.720 | 29.120 | 58.4 | ..... | 81.6 | 56.9 | 69.2 | 90 | 37 | 54 | .... | 86 | .... | .440 | ..... | 1.03 | .84 | 3.2 | ..... | 3.4 |
| November | 29.565 | 29.970 | 29.230 | 47.3 | ..... | 68.6 | 43.6 | 56.1 | 84 | 24 | 43 | .... | 86 | .... | .315 | ..... | 1.22 | 1.05 | 3.6 | ..... | 3.2 |
| December | 29.434 | 29.840 | 28.980 | 43.6 | ..... | 63.4 | 39.0 | 51.2 | 80 | 18 | 36 | .... | 76 | .... | .262 | ..... | .19 | .17 | 5.5 | ..... | 4.8 |
| Year | 29.425 | 30.020 | 28.840 | 59.2 | ..... | 78.7 | 56.2 | 67.4 | 99 | 15 | 54 | .... | 84 | .... | .483 | ..... | 24.09 | 2.88 | 5.2 | ..... | 4.6 |

[1] 8 p. m. observation.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

TAMPA, FLA.

[$H_b$=35 ft.; $h_t$=79 ft.; $h_r$=71 ft.; $h_a$=92 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 7.5 | NE. | 25 | E. | 0 | 9 | 26 | 8 | 2 | 7 | 4 | 2 | 4 | 0 | 15 | 10 | 6 | 5 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| February | 7.6 | NE. | 31 | SW. | 0 | 9 | 15 | 4 | 2 | 0 | 9 | 5 | 12 | 2 | 21 | 5 | 3 | 3 | 3 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 1 | 0 |
| March | 8.0 | SW. | 36 | NW. | 0 | 6 | 7 | 1 | 6 | 6 | 14 | 11 | 11 | 0 | 21 | 9 | 1 | 4 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 |
| April | 6.7 | NW. | 42 | NW. | 1 | 4 | 8 | 8 | 2 | 0 | 4 | 6 | 27 | 1 | 15 | 10 | 5 | 7 | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 |
| May | 7.4 | NE. | 26 | NE. | 0 | 3 | 15 | 8 | 4 | 4 | 7 | 11 | 10 | 0 | 9 | 13 | 9 | 7 | 5 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 7 | 0 |
| June | 5.7 | SE. | 34 | NW. | 0 | 2 | 7 | 10 | 13 | 7 | 7 | 6 | 8 | 0 | 5 | 17 | 8 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 15 | 0 |
| July | 6.2 | SE. | 26 | E. | 0 | 4 | 16 | 5 | 18 | 3 | 7 | 3 | 5 | 1 | 2 | 14 | 15 | 10 | 9 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 16 | 0 |
| August | 5.3 | NE. | 28 | N. | 0 | 9 | 18 | 11 | 4 | 3 | 1 | 1 | 15 | 0 | 5 | 16 | 10 | 13 | 11 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 17 | 0 |
| September | 6.2 | NE. | 27 | NE. | 0 | 9 | 32 | 5 | 5 | 2 | 2 | 1 | 4 | 0 | 8 | 15 | 7 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 10 | 0 |
| October | 8.3 | NE. | 23 | NE. | 0 | 13 | 38 | 3 | 3 | 2 | 1 | 1 | 1 | 0 | 6 | 11 | 14 | 7 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| November | 7.8 | NE. | 26 | NE. | 0 | 13 | 33 | 3 | 1 | 0 | 2 | 1 | 7 | 0 | 13 | 12 | 5 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December | 5.9 | NE. | 30 | NW. | 0 | 7 | 14 | 12 | 4 | 5 | 7 | 5 | 7 | 1 | 12 | 11 | 8 | 6 | 4 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 2 | 0 |
| Year | 6.9 | NE. | 42 | NW. | 1 | 88 | 229 | 78 | 64 | 39 | 65 | 53 | 111 | 5 | 132 | 143 | 91 | 90 | 68 | 0 | 0 | 1 | 23 | 0 | 43 | 0 | 74 | 0 |

TANANA, ALASKA.

[$H_b$=590 ft.; $h_t$=4 ft.; $h_r$=3 ft.; $h_a$=— ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | N. | .... | ..... | .... | 9 | 9 | 0 | 3 | 2 | 2 | 1 | 4 | 1 | .... | .... | .... | 10 | 10 | 2 | 10 | .... | .... | 31 | 0 | 31 | .... | .... |
| February | ..... | N. | .... | ..... | .... | 7 | 4 | 1 | 1 | 2 | 2 | 3 | 7 | 2 | .... | .... | .... | 7 | 7 | 8 | 7 | .... | .... | 28 | 0 | 29 | .... | .... |
| March | ..... | N. | .... | ..... | .... | 9 | 7 | 3 | 0 | 0 | 0 | 3 | 8 | 1 | .... | .... | .... | 1 | 0 | 1 | 1 | .... | .... | 29 | 0 | 31 | .... | .... |
| April | ..... | NW. | .... | ..... | .... | 3 | 4 | 1 | 0 | 3 | 5 | 4 | 9 | 1 | .... | .... | .... | 7 | 1 | 6 | 5 | .... | .... | 3 | 0 | 26 | .... | .... |
| May | ..... | NW. | .... | ..... | .... | 5 | 6 | 2 | 2 | 5 | 2 | 3 | 6 | 0 | .... | .... | .... | 9 | 6 | .... | .... | .... | .... | 1 | 0 | 13 | .... | .... |
| June | ..... | S. | .... | ..... | .... | 2 | 3 | 0 | 3 | 8 | 5 | 3 | 2 | 4 | .... | .... | .... | 6 | 5 | 0 | 0 | .... | .... | 0 | 0 | 2 | .... | .... |
| July | ..... | SW. | .... | ..... | .... | 1 | 3 | 1 | 5 | 2 | 7 | 6 | 6 | 0 | .... | .... | .... | 10 | 10 | 0 | 0 | .... | .... | 0 | 0 | 1 | .... | .... |
| August | ..... | W. | .... | ..... | .... | 2 | 3 | 5 | 4 | 0 | 5 | 8 | 4 | 0 | .... | .... | .... | 18 | 17 | 0 | 0 | .... | .... | 0 | 0 | 6 | .... | .... |
| September | ..... | E. | .... | ..... | .... | 0 | 5 | 7 | 3 | 2 | 6 | 4 | 2 | 1 | .... | .... | .... | 20 | 16 | 1 | 0 | .... | 1 | 0 | 0 | 14 | .... | .... |
| October | ..... | E. | .... | ..... | .... | 4 | 8 | 10 | 6 | 1 | 0 | 0 | 2 | 0 | .... | .... | .... | 18 | 16 | 11 | 8 | .... | .... | 14 | 0 | 28 | .... | .... |
| November | ..... | NE. | .... | ..... | .... | 3 | 6 | 5 | 5 | 2 | 0 | 3 | 5 | 1 | .... | .... | .... | 13 | 11 | 14 | 13 | .... | .... | 28 | 0 | 31 | .... | .... |
| December | ..... | E. | .... | ..... | .... | 0 | 5 | 9 | 2 | 0 | 2 | 5 | 7 | 1 | 12 | 7 | 12 | 11 | 8 | 11 | 11 | .... | .... | 31 | 0 | 31 | .... | .... |
| Year | ..... | NE. | .... | ..... | .... | 45 | 63 | 44 | 34 | 27 | 36 | 43 | 62 | 12 | .... | .... | .... | 130 | 107 | .... | .... | .... | .... | 165 | 0 | 243 | .... | .... |

TATOOSH ISLAND, WASH.

[$H_b$=86 ft.; $h_t$=7 ft.; $h_r$=4 ft.; $h_a$=57 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.7 | E. | 75 | NE. | 24 | 0 | 5 | 41 | 4 | 2 | 7 | 2 | 1 | 0 | 8 | 8 | 15 | 19 | 16 | 20 | 15 | 0 | 0 | 6 | 0 | 19 | 0 | 0 |
| February | 24.0 | E. | 88 | NE. | 15 | 1 | 14 | 22 | 3 | 9 | 7 | 2 | 0 | 0 | 9 | 4 | 16 | 17 | 16 | 6 | 4 | 1 | 4 | 0 | 0 | 4 | 0 | 0 |
| March | 19.3 | S. | 62 | S. | 12 | 3 | 7 | 10 | 6 | 17 | 9 | 9 | 1 | 0 | 3 | 4 | 24 | 26 | 23 | 7 | 5 | 3 | 2 | 0 | 0 | 0 | 0 | 1 |
| April | 15.1 | S. | 49 | S. | 8 | 0 | 7 | 8 | 8 | 15 | 11 | 10 | 1 | 0 | 4 | 8 | 18 | 22 | 19 | 0 | 0 | 6 | 3 | 0 | 0 | 0 | 1 | 0 |
| May | 11.0 | S. | 52 | S. | 4 | 1 | 2 | 3 | 5 | 15 | 14 | 17 | 3 | 2 | 13 | 6 | 12 | 14 | 11 | 1 | 1 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| June | 8.9 | SW. | 30 | E. | 0 | 2 | 3 | 5 | 7 | 11 | 15 | 14 | 3 | 0 | 9 | 9 | 12 | 10 | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| July | 9.8 | W. | 39 | S. | 0 | 0 | 6 | 3 | 4 | 10 | 15 | 19 | 4 | 1 | 6 | 9 | 16 | 23 | 14 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| August | 9.0 | S. | 32 | S. | 0 | 0 | 5 | 2 | 3 | 22 | 21 | 5 | 4 | 0 | 12 | 7 | 12 | 6 | 2 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 |
| September | 11.4 | S. | 49 | NE. | 2 | 0 | 15 | 5 | 3 | 21 | 11 | 5 | 0 | 0 | 13 | 7 | 10 | 8 | 5 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| October | 12.0 | NE. | 76 | S. | 3 | 1 | 26 | 4 | 2 | 13 | 10 | 5 | 1 | 0 | 11 | 7 | 13 | 12 | 7 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 1 | 1 |
| November | 19.3 | E. | 68 | S. | 12 | 0 | 16 | 15 | 7 | 8 | 4 | 8 | 2 | 0 | 9 | 8 | 13 | 20 | 19 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| December | 17.8 | E. | 78 | S. | 6 | 0 | 10 | 23 | 6 | 11 | 4 | 6 | 2 | 0 | 2 | 6 | 23 | 25 | 23 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Year | 15.6 | S. | 88 | NE. | 86 | 8 | 116 | 141 | 58 | 154 | 128 | 102 | 22 | 3 | 99 | 83 | 184 | 202 | 164 | 40 | 29 | 18 | 59 | 6 | 0 | 23 | 2 | 2 |

TAYLOR, TEX.

[$H_b$=583 ft.; $h_t$=55 ft.; $h_r$=48 ft.; $h_a$=63 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.4 | N. | 44 | S. | 1 | 12 | 2 | 1 | 3 | 8 | 1 | 1 | 2 | 1 | 5 | 2 | 24 | 13 | 8 | 0 | 0 | 0 | 2 | 1 | 0 | 7 | 4 | 0 |
| February | 9.6 | N. | 35 | N. | 0 | 8 | 0 | 2 | 2 | 5 | 5 | 4 | 3 | 0 | 15 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 0 |
| March | 13.2 | S. | 35 | NW. | 0 | 2 | 1 | 0 | 5 | 11 | 3 | 2 | 5 | 2 | 20 | 7 | 4 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 3 | 0 |
| April | 12.2 | SE. | 34 | S. | 0 | 6 | 0 | 1 | 7 | 7 | 0 | 1 | 7 | 1 | 9 | 12 | 9 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| May | 11.2 | S. | 31 | S. | 0 | 1 | 4 | 2 | 9 | 11 | 2 | 0 | 2 | 0 | 12 | 15 | 4 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 7 | 0 |
| June | 11.3 | S. | 39 | NE. | 0 | 1 | 3 | 1 | 4 | 18 | 2 | 1 | 0 | 0 | 14 | 15 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 3 | 0 |
| July | 6.2 | S. | 30 | S. | 0 | 4 | 1 | 1 | 3 | 13 | 4 | 0 | 5 | 0 | 7 | 21 | 3 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 14 | 0 |
| August | 7.1 | S. | 40 | E. | 1 | 4 | 2 | 2 | 6 | 10 | 4 | 2 | 1 | 0 | 5 | 22 | 4 | 9 | 7 | 0 | 0 | 0 | 3 | 0 | 24 | 0 | 8 | 0 |
| September | 7.1 | S. | 25 | NW. | 0 | 6 | 0 | 3 | 5 | 12 | 1 | 0 | 2 | 1 | 10 | 19 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 2 | 0 |
| October | 7.5 | SE. | 28 | N. | 0 | 5 | 1 | 2 | 9 | 4 | 4 | 3 | 1 | 2 | 14 | 15 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| November | 9.3 | S. | 31 | NW. | 0 | 6 | 0 | 0 | 5 | 8 | 4 | 3 | 4 | 0 | 19 | 7 | 4 | 5 | 3 | 1 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 0 |
| December | 9.8 | SW. | 38 | SW. | 0 | 8 | 2 | 0 | 1 | 8 | 8 | 1 | 3 | 0 | 11 | 12 | 8 | 3 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 12 | 0 | 0 |
| Year | 9.7 | S. | 44 | S. | 2 | 63 | 16 | 15 | 59 | 115 | 38 | 18 | 35 | 7 | 141 | 155 | 70 | 64 | 47 | 1 | 0 | 1 | 11 | 1 | 102 | 29 | 47 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

TERRE HAUTE, IND.

[$\phi$=39° 29′ N.; $\lambda$=87° 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 | 29.547 | 30.050 | 28.900 | 30.3 | 35.5 | 43.5 | 24.1 | 33.8 | 65 | − 3 | 26 | 30 | 84 | 79 | 0.169 | 0.188 | 7.58 | 3.24 | 6.5 | 6.2 | 7.1 |
| February | 29.532 | 30.080 | 29.030 | 24.3 | 31.4 | 36.9 | 21.0 | 29.0 | 64 | 0 | 20 | 24 | 82 | 74 | .114 | .135 | 1.15 | .62 | 6.4 | 6.8 | 6.7 |
| March | 29.337 | 29.780 | 28.430 | 33.5 | 42.3 | 49.5 | 29.6 | 39.6 | 77 | 7 | 28 | 33 | 80 | 72 | .166 | .203 | 1.50 | .40 | 7.0 | 7.2 | 7.0 |
| April | 29.353 | 29.660 | 28.900 | 45.4 | 54.7 | 60.7 | 42.6 | 51.6 | 79 | 28 | 38 | 41 | 76 | 62 | .241 | .269 | 1.39 | .24 | 6.5 | 8.0 | 7.2 |
| May | 29.303 | 29.620 | 29.000 | 59.6 | 69.1 | 75.0 | 55.8 | 65.4 | 92 | 44 | 52 | 53 | 76 | 58 | .404 | .418 | 3.29 | 1.40 | 6.4 | 7.3 | 6.5 |
| June | 29.256 | 29.640 | 28.700 | 63.1 | 72.2 | 78.1 | 59.1 | 68.6 | 94 | 54 | 56 | 58 | 80 | 63 | .467 | .493 | 5.32 | 1.74 | 6.2 | 7.3 | 6.9 |
| July | 29.360 | 29.570 | 29.140 | 74.8 | 85.8 | 92.3 | 70.3 | 81.3 | 101 | 64 | 67 | 68 | 77 | 56 | .665 | .681 | 1.54 | .77 | 2.5 | 4.9 | 4.4 |
| August | 29.397 | 29.620 | 29.190 | 70.3 | 81.7 | 87.7 | 67.3 | 77.5 | 99 | 53 | 64 | 67 | 82 | 62 | .624 | .677 | 3.27 | 1.67 | 4.8 | 5.2 | 5.3 |
| September | 29.432 | 29.726 | 29.030 | 58.5 | 68.7 | 76.7 | 55.1 | 65.9 | 92 | 38 | 50 | 53 | 76 | 59 | .397 | .441 | 1.24 | .58 | 4.2 | 3.8 | 5.0 |
| October | 29.468 | 29.850 | 28.800 | 48.1 | 59.9 | 67.5 | 45.4 | 56.4 | 89 | 32 | 42 | 41 | 79 | 53 | .278 | .270 | 1.53 | .69 | 4.3 | 3.3 | 4.4 |
| November | 29.490 | 29.880 | 28.730 | 38.7 | 48.7 | 55.5 | 36.5 | 46.0 | 76 | 14 | 32 | 33 | 78 | 57 | .196 | .197 | 1.71 | .85 | 3.7 | 3.0 | 4.1 |
| December | 29.394 | 29.960 | 28.930 | 26.1 | 32.3 | 39.2 | 21.9 | 30.6 | 68 | − 3 | 21 | 24 | 79 | 72 | .131 | .146 | 2.39 | .91 | 7.0 | 5.5 | 6.4 |
| Year | 29.406 | 30.080 | 28.430 | 47.7 | 56.9 | 63.6 | 44.1 | 53.8 | 101 | − 3 | 41 | 44 | 79 | 64 | .321 | .343 | 31.91 | 3.24 | 5.5 | 5.7 | 5.9 |

THOMASVILLE, GA.

[$\phi$=30° 48′ N.; $\lambda$=83° 58′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.944 | 30.190 | 29.640 | 52.7 | 60.5 | 69.7 | 50.5 | 60.1 | 78 | 25 | 50 | 52 | 89 | 73 | 0.387 | 0.408 | 2.03 | 0.84 | 5.1 | 3.4 | 5.5 |
| February | 29.820 | 30.200 | 29.400 | 46.6 | 55.9 | 65.7 | 43.0 | 54.4 | 77 | 27 | 40 | 41 | 76 | 60 | .274 | .282 | 1.88 | .87 | 4.6 | 3.4 | 4.8 |
| March | 29.751 | 30.100 | 29.350 | 51.3 | 60.5 | 70.1 | 46.4 | 58.2 | 82 | 31 | 44 | 45 | 76 | 58 | .314 | .325 | 1.62 | .73 | 3.3 | 2.1 | 3.2 |
| April | 29.721 | 30.070 | 29.410 | 59.0 | 68.4 | 77.5 | 54.3 | 65.9 | 89 | 38 | 49 | 47 | 72 | 49 | .370 | .347 | 2.47 | 1.73 | 4.1 | 3.9 | 3.7 |
| May | 29.667 | 29.930 | 29.450 | 69.9 | 78.9 | 87.8 | 65.1 | 76.4 | 98 | 57 | 60 | 58 | 73 | 51 | .545 | .495 | 1.54 | .56 | 4.4 | 4.6 | 4.5 |
| June | 29.666 | 29.840 | 29.430 | 74.0 | 77.8 | 88.1 | 69.0 | 78.6 | 95 | 64 | 68 | 66 | 82 | 71 | .683 | .659 | 3.55 | 1.45 | 6.3 | 7.5 | 7.4 |
| July | 29.686 | 29.870 | 29.450 | 76.1 | 77.8 | 86.7 | 72.2 | 79.4 | 93 | 70 | 72 | 72 | 88 | 82 | .791 | .778 | 13.32 | 4.25 | 7.0 | 8.0 | 8.0 |
| August | 29.740 | 29.960 | 29.530 | 76.3 | 80.9 | 90.5 | 71.6 | 81.0 | 98 | 67 | 71 | 71 | 85 | 73 | .764 | .758 | 1.01 | .60 | 4.0 | 4.7 | 5.3 |
| September | 29.722 | 29.880 | 29.550 | 70.2 | 76.0 | 86.3 | 65.8 | 76.0 | 92 | 49 | 64 | 62 | 81 | 65 | .612 | .582 | 3.29 | 1.07 | 3.3 | 3.5 | 4.1 |
| October | 29.742 | 29.961 | 29.390 | 62.2 | 69.5 | 78.5 | 59.3 | 68.9 | 88 | 39 | 56 | 58 | 81 | 67 | .480 | .503 | 4.88 | 4.22 | 5.0 | 3.6 | 4.4 |
| November | 29.862 | 30.180 | 29.480 | 51.6 | 61.3 | 71.2 | 48.5 | 59.8 | 84 | 28 | 45 | 45 | 78 | 57 | .335 | .334 | 1.87 | 1.31 | 3.2 | 2.2 | 3.0 |
| December | 29.790 | 30.080 | 29.351 | 48.8 | 55.2 | 64.6 | 44.7 | 54.6 | 76 | 27 | 44 | 46 | 83 | 73 | .321 | .349 | 6.59 | 1.94 | 6.1 | 4.9 | 5.8 |
| Year | 29.759 | 30.200 | 29.350 | 61.6 | 68.6 | 78.1 | 57.5 | 67.8 | 98 | 25 | 55 | 55 | 80 | 65 | .490 | .485 | 44.05 | 4.25 | 4.7 | 4.3 | 5.0 |

TOLEDO, OHIO.

[$\phi$=41° 40′ N.; $\lambda$=83° 34′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 29.457 | 29.950 | 28.770 | 29.5 | 33.4 | 40.5 | 23.6 | 32.0 | 66 | − 3 | 26 | 27 | 84 | 77 | 0.158 | 0.167 | 4.53 | 1.21 | 7.4 | 6.2 | 6.4 |
| February | 29.422 | 30.010 | 28.800 | 20.8 | 25.6 | 31.3 | 16.7 | 24.0 | 55 | 3 | 17 | 19 | 84 | 74 | .096 | .105 | .62 | .24 | 6.5 | 6.9 | 6.7 |
| March | 29.276 | 29.750 | 28.480 | 25.7 | 32.4 | 39.0 | 21.7 | 30.4 | 71 | 7 | 21 | 26 | 82 | 75 | .123 | .152 | 4.41 | 1.50 | 5.4 | 4.9 | 5.3 |
| April | 29.271 | 29.580 | 28.920 | 44.7 | 50.0 | 56.2 | 39.7 | 48.0 | 75 | 28 | 37 | 37 | 74 | 64 | .227 | .234 | 1.30 | .42 | 6.7 | 5.7 | 5.8 |
| May | 29.242 | 29.649 | 28.780 | 57.2 | 62.1 | 68.2 | 51.5 | 59.8 | 84 | 41 | 48 | 51 | 73 | 69 | .353 | .396 | 3.85 | 1.03 | 6.2 | 4.7 | 5.5 |
| June | 29.215 | 29.643 | 28.770 | 61.1 | 67.2 | 73.2 | 55.9 | 64.6 | 84 | 48 | 54 | 55 | 78 | 65 | .422 | .429 | 4.42 | .88 | 5.5 | 4.8 | 4.8 |
| July | 29.335 | 29.580 | 28.990 | 74.2 | 80.5 | 88.3 | 68.8 | 78.6 | 100 | 58 | 66 | 65 | 76 | 61 | .640 | .622 | .35 | .20 | 2.5 | 2.9 | 2.4 |
| August | 29.348 | 29.580 | 29.090 | 70.1 | 78.7 | 85.5 | 65.7 | 75.6 | 99 | 54 | 60 | 59 | 72 | 53 | .548 | .532 | 2.23 | .61 | 3.2 | 3.7 | 3.0 |
| September | 29.366 | 29.681 | 28.980 | 59.4 | 67.4 | 74.0 | 55.5 | 64.8 | 92 | 40 | 49 | 49 | 70 | 52 | .374 | .372 | 2.16 | 1.03 | 4.8 | 3.3 | 4.0 |
| October | 29.415 | 29.780 | 28.680 | 48.1 | 55.5 | 63.5 | 43.9 | 53.7 | 86 | 33 | 41 | 41 | 77 | 60 | .264 | .271 | 2.46 | .85 | 4.2 | 3.9 | 3.8 |
| November | 29.402 | 29.780 | 28.510 | 38.1 | 43.5 | 49.5 | 33.9 | 41.7 | 72 | 18 | 34 | 33 | 83 | 66 | .200 | .197 | 1.79 | .59 | 5.9 | 3.8 | 5.4 |
| December | 29.303 | 29.810 | 28.810 | 24.7 | 29.2 | 34.7 | 20.5 | 27.6 | 59 | − 1 | 20 | 22 | 80 | 76 | .121 | .130 | 2.42 | .84 | 6.6 | 5.5 | 6.1 |
| Year | 29.338 | 30.010 | 28.480 | 46.1 | 52.1 | 58.7 | 41.4 | 50.1 | 100 | − 3 | 39 | 40 | 78 | 66 | .294 | .301 | 30.54 | 1.50 | 5.4 | 4.7 | 4.9 |

TONOPAH, NEV.

[$\phi$=38° 4′ N.; $\lambda$=117° 14′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 23.867 | 24.357 | 23.083 | 21.3 | 25.4 | 28.8 | 18.5 | 23.6 | 39 | 4 | 18 | 21 | 88 | 83 | 0.103 | 0.116 | 2.02 | 0.65 | 5.3 | 6.1 | 6.2 |
| February | 24.120 | 24.430 | 23.630 | 32.5 | 40.3 | 43.4 | 29.5 | 36.4 | 54 | 9 | 26 | 28 | 76 | 63 | .139 | .154 | .28 | .12 | 3.3 | 5.7 | 4.9 |
| March | 24.090 | 24.420 | 23.460 | 37.3 | 52.6 | 55.5 | 34.7 | 45.1 | 69 | 16 | 23 | 22 | 60 | 32 | .126 | .119 | .57 | .57 | 2.2 | 3.5 | 3.0 |
| April | 24.054 | 24.310 | 23.810 | 41.2 | 58.3 | 60.6 | 39.2 | 49.9 | 73 | 26 | 23 | 22 | 49 | 27 | .121 | .117 | .66 | .64 | 2.3 | 4.3 | 3.7 |
| May | 23.984 | 24.180 | 23.560 | 42.5 | 61.2 | 63.9 | 39.7 | 51.8 | 77 | 22 | 23 | 20 | 46 | 21 | .124 | .107 | .26 | .17 | 2.8 | 3.7 | 3.5 |
| June | 24.033 | 24.211 | 23.770 | 53.4 | 75.3 | 77.0 | 52.3 | 64.6 | 87 | 34 | 26 | 23 | 35 | 14 | .140 | .120 | 0 | 0 | .6 | 2.3 | 2.1 |
| July | 24.086 | 24.290 | 23.909 | 61.8 | 82.6 | 84.2 | 60.2 | 72.2 | 92 | 48 | 32 | 29 | 34 | 14 | .186 | .160 | .13 | .13 | .9 | 1.0 | 1.2 |
| August | 24.100 | 24.330 | 23.901 | 59.0 | 77.3 | 79.8 | 57.2 | 68.5 | 90 | 40 | 34 | 31 | 41 | 20 | .204 | .182 | .54 | .53 | 1.1 | 2.1 | 2.1 |
| September | 24.107 | 24.300 | 23.810 | 54.7 | 72.1 | 74.1 | 52.6 | 63.4 | 82 | 39 | 27 | 27 | 37 | 21 | .154 | .154 | .17 | .25 | .3 | 1.5 | 1.1 |
| October | 24.075 | 24.420 | 23.660 | 40.3 | 50.6 | 55.3 | 36.7 | 46.0 | 69 | 24 | 27 | 27 | 61 | 44 | .147 | .149 | 1.35 | .98 | 3.2 | 3.3 | 3.4 |
| November | 24.163 | 24.430 | 23.760 | 31.3 | 40.6 | 45.8 | 28.7 | 37.2 | 66 | 6 | 17 | 19 | 54 | 41 | .093 | .101 | .09 | .06 | .9 | 2.5 | 2.3 |
| December | 24.001 | 24.440 | 23.260 | 24.5 | 31.2 | 34.8 | 21.5 | 28.2 | 48 | 6 | 15 | 18 | 69 | 60 | .090 | .102 | .52 | .42 | 3.2 | 4.5 | 4.7 |
| Year | 24.057 | 24.440 | 23.083 | 41.6 | 55.6 | 58.6 | 39.2 | 48.9 | 92 | 4 | 24 | 24 | 54 | 37 | .136 | .132 | 6.59 | .98 | 2.2 | 3.4 | 3.2 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

TERRE HAUTE, IND.

[$H_b$=575 ft.; $h_t$=96 ft.; $h_r$=84 ft.; $h_a$=129 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 12.6 | S. | 45 | S. | 2 | 5 | 2 | 4 | 8 | 19 | 5 | 6 | 13 | 0 | 5 | 8 | 18 | 16 | 15 | 5 | 2 | 0 | 2 | 8 | 0 | 21 | 1 | 0 |
| February | 10.6 | NW. | 36 | NW. | 0 | 15 | 4 | 2 | 5 | 4 | 8 | 4 | 16 | 0 | 4 | 15 | 10 | 6 | 3 | 9 | 4 | 0 | 0 | 10 | 0 | 26 | 0 | 0 |
| March | 12.0 | N. | 48 | NW. | 2 | 13 | 6 | 10 | 6 | 8 | 9 | 4 | 6 | 0 | 2 | 16 | 13 | 10 | 5 | 8 | 5 | 2 | 1 | 4 | 0 | 18 | 3 | 0 |
| April | 11.8 | NW. | 41 | SE. | 1 | 9 | 4 | 6 | 3 | 12 | 5 | 8 | 13 | 0 | 2 | 19 | 9 | 11 | 11 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | 3 | 0 |
| May | 10.8 | SW. | 35 | SW. | 0 | 7 | 8 | 5 | 4 | 15 | 9 | 3 | 11 | 0 | 1 | 23 | 7 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| June | 9.2 | SW. | 35 | W. | 0 | 5 | 9 | 5 | 5 | 8 | 18 | 4 | 6 | 0 | 0 | 20 | 10 | 15 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 0 |
| July | 6.6 | NE. | 33 | NW. | 0 | 10 | 17 | 10 | 5 | 3 | 13 | 4 | 0 | 0 | 12 | 18 | 1 | 5 | 4 | 0 | 0 | 1 | 0 | 0 | 20 | 0 | 10 | 0 |
| August | 6.5 | SW. | 28 | NW. | 0 | 9 | 7 | 5 | 6 | 12 | 18 | 2 | 3 | 0 | 7 | 19 | 5 | 6 | 6 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 6 | 0 |
| September | 9.4 | S. | 46 | S. | 1 | 9 | 2 | 7 | 6 | 13 | 6 | 4 | 13 | 0 | 9 | 18 | 3 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 6 | 0 |
| October | 9.2 | SE. | 37 | SW. | 0 | 9 | 3 | 5 | 18 | 10 | 9 | 5 | 3 | 0 | 16 | 8 | 7 | 10 | 7 | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 |
| November | 11.3 | SW. | 33 | W. | 0 | 2 | 5 | 3 | 5 | 18 | 13 | 3 | 11 | 0 | 14 | 11 | 5 | 6 | 4 | 2 | 1 | 0 | 0 | 2 | 0 | 10 | 0 | 0 |
| December | 11.0 | NW. | 40 | NW. | 1 | 5 | 5 | 3 | 9 | 11 | 7 | 10 | 12 | 0 | 5 | 16 | 10 | 13 | 7 | 10 | 7 | 0 | 2 | 11 | 0 | 26 | 1 | 0 |
| Year | 10.1 | S. | 48 | NW. | 7 | 98 | 72 | 65 | 80 | 133 | 120 | 57 | 107 | 0 | 77 | 191 | 98 | 121 | 88 | 37 | 22 | 3 | 7 | 35 | 38 | 107 | 49 | 0 |

THOMASVILLE, GA.

[$H_b$=273 ft.; $h_t$=49 ft.; $h_r$=41 ft.; $h_a$=58 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 5.6 | NE. | 20 | S. | 0 | 7 | 13 | 8 | 8 | 11 | 7 | 2 | 5 | 1 | 10 | 11 | 10 | 6 | 4 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 |
| February | 6.0 | NW. | 22 | NW. | 0 | 7 | 7 | 3 | 1 | 8 | 9 | 11 | 12 | 0 | 12 | 9 | 8 | 7 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 2 | 0 |
| March | 6.8 | SW. | 27 | SW. | 0 | 8 | 1 | 3 | 2 | 9 | 15 | 7 | 16 | 1 | 18 | 8 | 5 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 |
| April | 5.2 | NW. | 22 | NW. | 0 | 9 | 5 | 5 | 7 | 5 | 7 | 8 | 14 | 0 | 17 | 5 | 8 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 5.2 | NE. | 20 | S. | 0 | 9 | 10 | 4 | 8 | 13 | 4 | 3 | 10 | 1 | 15 | 7 | 9 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 5 | 0 |
| June | 4.4 | SW. | 20 | NW. | 0 | 4 | 6 | 5 | 4 | 13 | 16 | 6 | 6 | 0 | 3 | 9 | 18 | 15 | 12 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 16 | 0 |
| July | 4.5 | E. | 24 | SW. | 0 | 1 | 7 | 18 | 8 | 7 | 12 | 4 | 5 | 0 | 2 | 11 | 18 | 19 | 18 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 18 | 0 |
| August | 3.6 | W. | 21 | NE. | 0 | 7 | 8 | 7 | 5 | 7 | 10 | 9 | 6 | 3 | 10 | 13 | 8 | 10 | 6 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 6 | 0 |
| September | 4.3 | NE. | 15 | SE. | 0 | 7 | 25 | 10 | 3 | 3 | 0 | 5 | 3 | 4 | 15 | 9 | 6 | 7 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 0 |
| October | 5.5 | NE. | 28 | SE. | 0 | 17 | 26 | 5 | 0 | 3 | 2 | 0 | 7 | 2 | 16 | 6 | 9 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 4.2 | NE. | 16 | NW. | 0 | 9 | 19 | 10 | 0 | 1 | 2 | 4 | 11 | 4 | 18 | 7 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| December | 4.4 | E. | 21 | NW. | 0 | 3 | 10 | 16 | 1 | 9 | 8 | 5 | 10 | 0 | 10 | 9 | 12 | 16 | 12 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 0 |
| Year | 5.0 | NE. | 28 | SE. | 0 | 88 | 137 | 94 | 47 | 89 | 92 | 64 | 105 | 16 | 146 | 104 | 116 | 113 | 84 | 0 | 0 | 0 | 7 | 0 | 57 | 13 | 60 | 0 |

TOLEDO, OHIO.

[$H_b$=628 ft.; $h_t$=208 ft.; $h_r$=201 ft.; $h_a$=243 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 19.2 | SW. | 54 | SW. | 7 | 1 | 4 | 2 | 2 | 18 | 18 | 13 | 4 | 0 | 8 | 7 | 16 | 16 | 14 | 9 | 4 | 0 | 3 | 9 | 0 | 22 | 1 | 0 |
| February | 15.0 | SW. | 46 | W. | 3 | 6 | 3 | 3 | 3 | 5 | 15 | 10 | 13 | 0 | 6 | 8 | 15 | 10 | 6 | 19 | 7 | 0 | 0 | 17 | 0 | 28 | 1 | 0 |
| March | 15.2 | N. | 57 | SW. | 5 | 12 | 8 | 8 | 6 | 1 | 7 | 7 | 13 | 0 | 11 | 8 | 12 | 15 | 10 | 12 | 9 | 0 | 3 | 11 | 0 | 25 | 2 | 0 |
| April | 16.0 | W. | 58 | W. | 6 | 7 | 10 | 4 | 0 | 8 | 12 | 12 | 7 | 0 | 10 | 10 | 10 | 14 | 8 | 2 | 1 | 0 | 0 | 0 | 0 | 4 | 3 | 0 |
| May | 15.1 | SW. | 63 | SW. | 6 | 4 | 4 | 11 | 2 | 7 | 13 | 14 | 7 | 0 | 10 | 10 | 11 | 13 | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 0 |
| June | 13.2 | SW. | 45 | SW. | 3 | 7 | 3 | 7 | 6 | 12 | 13 | 2 | 10 | 0 | 13 | 11 | 6 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 9.8 | NE. | 48 | NW. | 1 | 14 | 9 | 14 | 4 | 6 | 6 | 3 | 6 | 0 | 25 | 5 | 1 | 3 | 3 | 0 | 0 | 0 | 1 | 0 | 15 | 0 | 5 | 0 |
| August | 10.1 | SW. | 48 | SW. | 1 | 11 | 0 | 8 | 4 | 9 | 12 | 10 | 8 | 0 | 18 | 13 | 0 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 8 | 0 |
| September | 13.7 | SW. | 48 | SW. | 3 | 5 | 0 | 4 | 4 | 11 | 16 | 9 | 11 | 0 | 14 | 12 | 4 | 10 | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| October | 14.3 | SW. | 60 | SW. | 5 | 5 | 3 | 6 | 6 | 17 | 16 | 4 | 5 | 0 | 18 | 5 | 8 | 8 | 7 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| November | 17.1 | SW. | 45 | SW. | 5 | 5 | 5 | 2 | 4 | 12 | 18 | 12 | 2 | 0 | 10 | 7 | 13 | 10 | 6 | 6 | 3 | 0 | 0 | 2 | 0 | 13 | 1 | 0 |
| December | 15.3 | SW. | 46 | W. | 5 | 3 | 1 | 5 | 3 | 10 | 25 | 10 | 5 | 0 | 11 | 5 | 15 | 17 | 15 | 17 | 10 | 0 | 0 | 16 | 0 | 25 | 1 | 0 |
| Year | 14.5 | SW. | 63 | SW. | 50 | 80 | 50 | 74 | 44 | 116 | 171 | 106 | 91 | 0 | 154 | 101 | 111 | 140 | 101 | 66 | 34 | 1 | 8 | 55 | 26 | 117 | 41 | 0 |

TONOPAH, NEV.

[$H_b$=6,090 ft.; $h_t$=12 ft.; $h_r$=9 ft.; $h_a$=20 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 11.6 | SE. | 43 | SE. | 2 | 1 | 0 | 7 | 37 | 1 | 0 | 10 | 6 | 0 | 10 | 4 | 17 | 13 | 7 | 15 | 13 | 0 | 3 | 19 | 0 | 31 | 0 | 0 |
| February | 6.8 | SE. | 30 | NW. | 0 | 1 | 0 | 2 | 34 | 2 | 5 | 6 | 7 | 1 | 12 | 8 | 9 | 4 | 3 | 4 | 3 | 0 | 0 | 2 | 0 | 16 | 0 | 0 |
| March | 11.3 | SE. | 48 | NW. | 4 | 1 | 0 | 2 | 26 | 1 | 1 | 13 | 18 | 0 | 18 | 7 | 6 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 |
| April | 9.7 | NW. | 34 | NW. | 0 | 3 | 0 | 1 | 9 | 1 | 3 | 19 | 24 | 0 | 13 | 14 | 3 | 2 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 6 | 0 | 0 |
| May | 10.3 | NW. | 36 | NW. | 0 | 1 | 0 | 0 | 5 | 4 | 2 | 24 | 25 | 1 | 18 | 9 | 4 | 4 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| June | 8.9 | W. | 36 | NW. | 0 | 2 | 2 | 1 | 10 | 5 | 3 | 19 | 18 | 0 | 23 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| July | 8.6 | SE. | 36 | SE. | 0 | 1 | 0 | 2 | 21 | 8 | 4 | 13 | 13 | 0 | 27 | 3 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 |
| August | 8.7 | SE. | 30 | SE. | 0 | 0 | 0 | 3 | 37 | 2 | 1 | 11 | 8 | 0 | 23 | 8 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| September | 8.6 | SE. | 34 | NW. | 0 | 0 | 0 | 1 | 22 | 6 | 1 | 19 | 11 | 0 | 26 | 3 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| October | 7.6 | W. | 37 | NW. | 0 | 0 | 3 | 6 | 16 | 6 | 0 | 21 | 10 | 0 | 16 | 10 | 5 | 6 | 4 | 3 | 2 | 0 | 1 | 0 | 0 | 8 | 0 | 0 |
| November | 9.0 | W. | 43 | NW. | 2 | 0 | 0 | 2 | 18 | 2 | 3 | 22 | 13 | 0 | 21 | 7 | 2 | 2 | 1 | 2 | 2 | 0 | 0 | 2 | 0 | 17 | 0 | 0 |
| December | 10.8 | SE. | 44 | NW. | 2 | 0 | 0 | 6 | 19 | 0 | 0 | 21 | 15 | 1 | 12 | 9 | 10 | 2 | 2 | 4 | 2 | 0 | 1 | 12 | 0 | 28 | 0 | 0 |
| Year | 9.3 | SE. | 48 | NW. | 10 | 10 | 5 | 33 | 254 | 38 | 23 | 198 | 168 | 3 | 219 | 89 | 58 | 40 | 25 | 33 | 25 | 1 | 6 | 35 | 4 | 124 | 6 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

TOPEKA, KANS.

[$\phi$=39° 3′ N.; $\lambda$=95° 41′ 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 | | | | | 24.7 | 34.2 | 15.4 | 24.8 | 63 | −15 | | | | | | | 2.69 | 0.99 | | | 6.6 |
| February | | | | | 32.5 | 38.8 | 20.0 | 29.4 | 66 | − 3 | | | | | | | .31 | .15 | | | 4.4 |
| March | | | | | 51.0 | 58.5 | 33.3 | 45.9 | 91 | 1 | | | | | | | 2.55 | .86 | | | 5.3 |
| April | | | | | 55.6 | 61.2 | 42.7 | 52.0 | 82 | 27 | | | | | | | 2.26 | .94 | | | 6.5 |
| May | | | | | 69.8 | 75.6 | 54.2 | 64.9 | 92 | 40 | | | | | | | 4.95 | 1.31 | | | 4.8 |
| June | | | | | 75.2 | 79.6 | 60.7 | 70.2 | 90 | 51 | | | | | | | 5.97 | 1.63 | | | 5.0 |
| July | | | | | 88.3 | 93.9 | 69.9 | 81.9 | 99 | 61 | | | | | | | .32 | .16 | | | 2.2 |
| August | | | | | 84.3 | 91.3 | 68.5 | 79.9 | 102 | 50 | | | | | | | .78 | .26 | | | 4.2 |
| September | | | | | 72.6 | 79.0 | 57.3 | 68.2 | 97 | 34 | | | | | | | 2.03 | .91 | | | 3.5 |
| October | | | | | 59.9 | 68.0 | 46.8 | 57.4 | 90 | 25 | | | | | | | 3.14 | 1.65 | | | 4.2 |
| November | | | | | 47.4 | 55.3 | 36.0 | 45.6 | 81 | 12 | | | | | | | 2.65 | 2.11 | | | 3.4 |
| December | | | | | 30.7 | 38.6 | 18.7 | 28.6 | 70 | − 6 | | | | | | | .70 | .46 | | | 4.3 |
| Year | | | | | 57.7 | 64.5 | 43.6 | 54.1 | 102 | −15 | | | | | | | 28.35 | 2.11 | | | 4.5 |

TRENTON, N. J.

[$\phi$=40° 13′ N.; $\lambda$=74° 46′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.023 | 30.450 | 29.420 | 32.3 | 36.5 | 43.2 | 27.8 | 35.5 | 68 | 7 | 26 | 28 | 78 | 70 | 0.164 | 0.175 | 1.26 | 0.38 | 7.1 | 5.1 | 6.9 |
| February | 29.808 | 30.370 | 28.870 | 25.3 | 29.3 | 34.8 | 20.8 | 27.8 | 62 | 0 | 20 | 22 | 80 | 72 | .121 | .126 | 3.16 | 1.16 | 6.7 | 6.3 | 6.7 |
| March | 29.720 | 30.152 | 28.920 | 28.9 | 33.8 | 39.2 | 25.3 | 32.2 | 66 | 6 | 22 | 24 | 74 | 67 | .123 | .134 | 2.61 | .70 | 6.1 | 5.1 | 5.9 |
| April | 29.726 | 30.070 | 29.130 | 44.7 | 49.2 | 57.0 | 40.6 | 48.8 | 76 | 32 | 36 | 36 | 74 | 64 | .218 | .218 | 2.67 | .88 | 6.4 | 6.5 | 7.0 |
| May | 29.713 | 30.130 | 29.250 | 58.0 | 63.2 | 71.3 | 53.1 | 62.2 | 87 | 42 | 48 | 50 | 72 | 66 | .351 | .385 | 2.45 | .70 | 7.1 | 6.8 | 6.2 |
| June | 29.733 | 29.970 | 29.490 | 62.6 | 66.7 | 74.0 | 57.5 | 65.8 | 84 | 50 | 55 | 56 | 78 | 70 | .449 | .449 | 2.94 | 1.55 | 6.4 | 7.2 | 6.6 |
| July | 29.801 | 30.120 | 29.370 | 71.7 | 75.1 | 83.3 | 66.5 | 74.9 | 92 | 58 | 66 | 66 | 83 | 76 | .648 | .666 | 5.94 | 1.09 | 7.7 | 8.5 | 7.7 |
| August | 29.789 | 30.090 | 29.380 | 69.8 | 73.9 | 83.6 | 64.3 | 74.0 | 97 | 53 | 64 | 63 | 83 | 70 | .609 | .589 | 1.25 | .92 | 5.1 | 4.8 | 4.9 |
| September | 29.862 | 30.280 | 29.500 | 61.2 | 65.6 | 76.5 | 55.7 | 66.1 | 92 | 41 | 54 | 55 | 79 | 69 | .452 | .457 | 2.51 | .73 | 4.4 | 1.7 | 4.3 |
| October | 29.938 | 30.260 | 29.420 | 50.0 | 57.2 | 66.4 | 45.8 | 56.1 | 84 | 36 | 42 | 46 | 77 | 67 | .293 | .332 | .96 | .77 | 2.6 | 2.6 | 3.9 |
| November | 29.927 | 30.320 | 29.090 | 39.4 | 45.0 | 51.9 | 35.5 | 43.7 | 70 | 24 | 34 | 34 | 79 | 66 | .204 | .211 | 1.31 | .55 | 4.1 | 3.8 | 4.9 |
| December | 29.786 | 30.300 | 28.850 | 29.6 | 32.7 | 38.1 | 26.2 | 32.2 | 64 | 12 | 23 | 22 | 76 | 65 | .129 | .126 | 4.87 | 1.20 | 5.3 | 3.8 | 5.5 |
| Year | 29.819 | 30.450 | 28.850 | 47.8 | 52.4 | 59.9 | 43.3 | 51.6 | 97 | 0 | 41 | 42 | 78 | 68 | .313 | .322 | 31.93 | 1.55 | 5.8 | 5.2 | 5.9 |

VALDEZ, ALASKA.

[$\phi$=61° 7′ N.; $\lambda$=146° 16′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | [1] 30.171 | 30.567 | 29.349 | | 10.9 | 20.2 | 2.2 | 11.2 | 50 | −18 | | | | | | | 0.68 | 0.43 | | | |
| February | 29.907 | 30.563 | 29.092 | | 19.8 | 27.9 | 11.7 | 19.8 | 48 | − 6 | | | | | | | 5.83 | 1.51 | | | |
| March | 29.689 | 30.321 | 29.013 | | 19.3 | 27.5 | 12.8 | 20.2 | 50 | − 1 | | | | | | | .90 | .56 | | | |
| April | 29.755 | 30.300 | 28.887 | | 36.3 | 45.1 | 26.6 | 35.8 | 60 | 15 | | | | | | | 2.36 | .60 | | | |
| May | 29.878 | 30.369 | 29.179 | | 43.5 | 50.7 | 34.6 | 42.6 | 64 | 25 | | | | | | | 5.90 | 1.36 | | | |
| June | 29.897 | 30.156 | 29.680 | | 51.1 | 59.0 | 42.3 | 50.6 | 73 | 33 | | | | | | | 2.48 | .41 | | | |
| July | 29.900 | 30.109 | 29.772 | | 55.7 | 63.8 | 46.2 | 55.0 | 69 | 39 | | | | | | | .88 | .55 | | | |
| August | 29.846 | 30.069 | 29.530 | | 49.6 | 58.0 | 42.9 | 50.4 | 69 | 33 | | | | | | | 11.69 | 2.12 | | | |
| September | 29.814 | 30.456 | 29.302 | | 43.7 | 50.3 | 38.6 | 44.4 | 59 | 30 | | | | | | | 11.20 | 2.57 | | | |
| October | 29.801 | 30.363 | 28.964 | | 38.4 | 43.4 | 34.3 | 38.8 | 52 | 24 | | | | | | | 12.85 | 1.80 | | | |
| November | 29.608 | 30.874 | 29.007 | | 24.8 | 30.0 | 20.8 | 25.2 | 40 | − 3 | | | | | | | 8.33 | 1.67 | | | |
| December | 29.530 | 30.300 | 28.570 | | 16.4 | 22.7 | 10.1 | 16.4 | 36 | −10 | | | | | | | 3.91 | 1.15 | | | |
| Year | 29.816 | 30.874 | 28.570 | | 34.1 | 41.6 | 26.9 | 34.2 | 73 | −18 | | | | | | | 67.01 | 2.57 | | | |

VALENTINE, NEBR.

[$\phi$=42° 50′ N.; $\lambda$=100° 32′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.303 | 27.660 | 26.660 | 4.5 | 9.3 | 18.4 | −2.7 | 7.8 | 50 | −30 | −1 | 3 | 78 | 73 | 0.051 | 0.057 | 0.74 | 0.36 | 4.1 | 3.9 | 4.7 |
| February | 27.400 | 27.790 | 26.930 | 16.1 | 27.6 | 35.6 | 12.1 | 23.8 | 65 | −21 | 13 | 19 | 88 | 72 | .088 | .110 | .27 | .16 | 4.8 | 4.8 | 4.6 |
| March | 27.208 | 27.710 | 26.540 | 28.8 | 44.0 | 52.5 | 25.0 | 38.8 | 77 | −10 | 23 | 28 | 80 | 57 | .133 | .164 | .16 | .04 | 6.8 | 6.5 | 6.3 |
| April | 27.278 | 27.660 | 26.730 | 36.2 | 51.0 | 55.7 | 32.6 | 44.2 | 81 | 17 | 32 | 38 | 86 | 63 | .188 | .233 | .59 | .22 | 6.4 | 6.6 | 5.9 |
| May | 27.142 | 27.428 | 26.670 | 47.4 | 62.8 | 68.2 | 41.8 | 55.0 | 94 | 25 | 39 | 38 | 76 | 49 | .250 | .249 | 3.42 | 1.56 | 5.3 | 5.2 | 5.3 |
| June | 27.228 | 27.460 | 26.920 | 55.6 | 68.6 | 73.5 | 51.0 | 62.2 | 92 | 40 | 50 | 49 | 83 | 54 | .378 | .369 | 3.15 | .70 | 5.3 | 5.3 | 5.5 |
| July | 27.270 | 27.620 | 27.020 | 69.9 | 86.6 | 92.3 | 66.1 | 79.2 | 102 | 59 | 59 | 59 | 71 | 42 | .510 | .507 | 1.95 | 1.36 | 3.2 | 3.6 | 3.4 |
| August | 27.292 | 27.620 | 26.892 | 61.6 | 78.4 | 83.5 | 58.8 | 71.2 | 96 | 46 | 57 | 56 | 87 | 49 | .482 | .456 | 4.45 | 3.44 | 5.4 | 4.0 | 4.5 |
| September | 27.277 | 27.710 | 26.910 | 48.4 | 67.2 | 75.4 | 44.9 | 60.2 | 93 | 28 | 42 | 44 | 82 | 45 | .293 | .312 | .32 | .22 | 3.1 | 2.3 | 3.1 |
| October | 27.323 | 27.860 | 26.820 | 37.3 | 50.5 | 59.3 | 33.4 | 46.4 | 81 | 11 | 32 | 33 | 81 | 55 | .180 | .193 | .65 | .30 | 4.9 | 4.4 | 5.0 |
| November | 27.346 | 27.810 | 26.630 | 26.5 | 37.0 | 47.7 | 21.5 | 34.6 | 79 | − 8 | 21 | 25 | 80 | 64 | .116 | .137 | .24 | .17 | 3.6 | 3.0 | 4.1 |
| December | 27,175 | 27.590 | 26.700 | 8.6 | 17.1 | 27.8 | 1.9 | 14.8 | 63 | −29 | 6 | 10 | 90 | 76 | .065 | .075 | .50 | .23 | 5.0 | 3.5 | 4.5 |
| Year | 27.270 | 27.860 | 26.540 | 36.7 | 50.0 | 57.5 | 32.2 | 44.8 | 102 | −30 | 31 | 34 | 82 | 58 | .228 | .238 | 16.44 | 3.44 | 4.8 | 4.4 | 4.7 |

[1] 8 p. m. observation.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

TOPEKA, KANS.

[$H_b$= .. ft., $h_t$=85 ft.; $h_r$=76 ft.; $h_a$=101 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 11.4 | S. | 37 | SW. | 0 | 6 | 3 | 1 | 4 | 6 | 4 | 1 | 6 | 0 | 7 | 10 | 14 | 13 | 8 | 15 | 10 | 0 | 2 | 15 | 0 | 25 | 1 | 0 |
| February | 8.9 | NW. | 34 | NW. | 0 | 5 | 6 | 1 | 5 | 2 | 2 | 1 | 7 | 0 | 15 | 4 | 10 | 4 | 2 | 8 | 4 | 0 | 0 | 9 | 0 | 23 | 0 | 0 |
| March | 11.9 | N. | 48 | NW. | 3 | 5 | 3 | 5 | 5 | 2 | 1 | 3 | 7 | 0 | 11 | 10 | 10 | 10 | 8 | 6 | 3 | 1 | 0 | 2 | 1 | 10 | 4 | 0 |
| April | 11.3 | NW. | 46 | W. | 1 | 8 | 5 | 2 | 1 | 8 | 1 | 0 | 5 | 0 | 5 | 13 | 12 | 11 | 7 | 2 | 2 | 0 | 0 | 0 | 0 | 3 | 6 | 0 |
| May | 11.2 | S. | 38 | S. | 0 | 2 | 2 | 7 | 4 | 7 | 0 | 7 | 2 | 0 | 11 | 13 | 7 | 11 | 8 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 11 | 0 |
| June | 9.2 | NW. | 34 | E. | 0 | 4 | 2 | 7 | 3 | 5 | 1 | 2 | 6 | 0 | 9 | 16 | 5 | 12 | 9 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 8 | 0 |
| July | 6.2 | SE. | 30 | NE. | 0 | 1 | 2 | 10 | 10 | 5 | 1 | 1 | 1 | 0 | 23 | 6 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 6 | 0 |
| August | 8.9 | S. | 33 | NW. | 0 | 2 | 7 | 4 | 10 | 6 | 2 | 0 | 0 | 0 | 10 | 17 | 4 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 10 | 1 |
| September | 10.1 | S. | 35 | W. | 0 | 3 | 1 | 3 | 8 | 8 | 3 | 0 | 4 | 0 | 16 | 10 | 4 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 |
| October | 10.5 | S. | 37 | S. | 0 | 1 | 3 | 3 | 10 | 4 | 3 | 4 | 3 | 0 | 16 | 7 | 8 | 8 | 6 | 1 | 1 | 0 | 2 | 0 | 0 | 3 | 1 | 0 |
| November | 11.4 | S. | 39 | N. | 0 | 5 | 2 | 1 | 2 | 8 | 3 | 3 | 6 | 0 | 19 | 6 | 5 | 4 | 3 | 2 | 0 | 0 | 0 | 3 | 0 | 11 | 0 | 0 |
| December | 10.0 | NW. | 35 | NW. | 0 | 2 | 3 | 4 | 4 | 4 | 6 | 4 | 4 | 0 | 14 | 11 | 6 | 7 | 4 | 9 | 5 | 0 | 3 | 11 | 0 | 25 | 2 | 0 |
| Year | 10.1 | SE. | 48 | NW. | 4 | 44 | 39 | 48 | 66 | 65 | 27 | 26 | 51 | 0 | 156 | 123 | 87 | 95 | 67 | 43 | 25 | 1 | 9 | 40 | 54 | 100 | 56 | 1 |

TRENTON, N. J.

[$H_b$=190 ft.; $h_t$=159 ft.; $h_r$=152 ft.; $h_a$=183 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 12.4 | SW. | 42 | NW. | 3 | 6 | 6 | 3 | 4 | 8 | 18 | 6 | 11 | 0 | 6 | 9 | 16 | 13 | 8 | 3 | 1 | 0 | 5 | 8 | 0 | 21 | 0 | 0 |
| February | 14.2 | NW. | 54 | NW. | 5 | 8 | 11 | 0 | 3 | 5 | 6 | 12 | 13 | 0 | 8 | 5 | 16 | 11 | 9 | 10 | 7 | 0 | 2 | 12 | 0 | 27 | 0 | 0 |
| March | 13.8 | NW. | 46 | NW. | 3 | 15 | 11 | 3 | 3 | 4 | 5 | 8 | 13 | 0 | 10 | 7 | 14 | 13 | 9 | 14 | 9 | 0 | 0 | 8 | 0 | 23 | 0 | 0 |
| April | 12.8 | NW. | 52 | NW. | 2 | 11 | 10 | 7 | 3 | 7 | 2 | 8 | 12 | 0 | 6 | 5 | 19 | 15 | 12 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 3 | 0 |
| May | 11.5 | W. | 42 | W. | 1 | 8 | 7 | 5 | 7 | 4 | 8 | 13 | 9 | 1 | 8 | 9 | 14 | 10 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| June | 10.5 | SE. | 35 | NW. | 0 | 12 | 3 | 11 | 9 | 5 | 7 | 6 | 7 | 0 | 5 | 13 | 12 | 11 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 0 |
| July | 10.0 | SW. | 36 | W. | 0 | 6 | 6 | 10 | 10 | 6 | 12 | 8 | 4 | 0 | 3 | 10 | 18 | 16 | 14 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 9 | 0 |
| August | 8.8 | S. | 37 | NW. | 0 | 5 | 9 | 2 | 7 | 13 | 14 | 3 | 9 | 0 | 14 | 8 | 9 | 6 | 5 | 0 | 0 | 0 | 4 | 0 | 6 | 0 | 5 | 0 |
| September | 10.5 | S. | 39 | S. | 0 | 6 | 5 | 2 | 9 | 12 | 10 | 8 | 8 | 0 | 12 | 14 | 4 | 7 | 5 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 4 | 0 |
| October | 10.9 | N. | 44 | NW. | 1 | 15 | 6 | 6 | 5 | 12 | 5 | 5 | 8 | 0 | 14 | 11 | 6 | 4 | 2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| November | 11.3 | W. | 46 | SW. | 2 | 11 | 3 | 2 | 3 | 9 | 11 | 15 | 6 | 0 | 15 | 3 | 12 | 8 | 6 | 1 | 0 | 0 | 2 | 0 | 0 | 10 | 0 | 0 |
| December | 12.4 | W. | 54 | NW. | 2 | 6 | 4 | 4 | 5 | 2 | 9 | 19 | 13 | 0 | 10 | 9 | 12 | 14 | 10 | 10 | 6 | 0 | 1 | 9 | 0 | 24 | 1 | 0 |
| Year | 11.6 | NW. | 54 | NW. | 19 | 109 | 81 | 55 | 68 | 87 | 107 | 111 | 113 | 1 | 111 | 103 | 152 | 128 | 98 | 40 | 25 | 1 | 22 | 37 | 11 | 107 | 30 | 0 |

VALDEZ, ALASKA.

[$H_b$=27 ft.; $h_t$=5 ft.; $h_r$=4 ft.; $h_a$= .. ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | NE. | ..... | ..... | ..... | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ..... | ..... | ..... | 3 | 3 | ..... | ..... | ..... | ..... | 28 | 0 | 31 | ..... | ..... |
| February | ..... | NE. | ..... | ..... | ..... | 0 | 28 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | ..... | ..... | ..... | 14 | 13 | ..... | ..... | ..... | ..... | 21 | 0 | 29 | ..... | ..... |
| March | ..... | NE. | ..... | ..... | ..... | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ..... | ..... | ..... | 4 | 4 | ..... | ..... | ..... | ..... | 18 | 0 | 31 | ..... | ..... |
| April | ..... | NE. | ..... | ..... | ..... | 0 | 19 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | ..... | ..... | ..... | 11 | 8 | ..... | ..... | ..... | ..... | 0 | 0 | 27 | ..... | ..... |
| May | ..... | SW | ..... | ..... | ..... | 0 | 1 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | ..... | ..... | ..... | 18 | 5 | ..... | ..... | ..... | ..... | 0 | 0 | 9 | ..... | ..... |
| June | ..... | SW. | ..... | ..... | ..... | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | ..... | ..... | ..... | 17 | 12 | ..... | ..... | ..... | ..... | 0 | 0 | 0 | ..... | ..... |
| July | ..... | SW. | ..... | ..... | ..... | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | ..... | ..... | ..... | 7 | 4 | ..... | ..... | ..... | ..... | 0 | 0 | 0 | ..... | ..... |
| August | ..... | SW. | ..... | ..... | ..... | 0 | 13 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | ..... | ..... | ..... | 19 | 18 | ..... | ..... | ..... | ..... | 0 | 0 | 0 | ..... | ..... |
| September | ..... | SW. | ..... | ..... | ..... | 0 | 5 | 0 | 0 | 0 | 10 | 0 | 0 | 15 | ..... | ..... | ..... | 24 | 21 | ..... | ..... | ..... | ..... | 0 | 0 | 2 | ..... | ..... |
| October | ..... | SW. | ..... | ..... | ..... | 0 | 4 | 0 | 0 | 0 | 11 | 0 | 0 | 16 | ..... | ..... | ..... | 24 | 23 | 2 | 1 | ..... | ..... | 1 | 0 | 11 | ..... | ..... |
| November | ..... | NE. | ..... | ..... | ..... | 0 | 10 | 1 | 0 | 0 | 1 | 0 | 0 | 18 | ..... | ..... | ..... | 14 | 13 | 11 | 8 | ..... | ..... | 20 | 0 | 27 | ..... | ..... |
| December | ..... | NE. | ..... | ..... | ..... | 0 | 13 | 2 | 0 | 0 | 2 | 0 | 0 | 14 | ..... | ..... | ..... | 9 | 6 | 12 | 9 | ..... | ..... | 27 | 0 | 31 | ..... | ..... |
| Year | ..... | NE. | ..... | ..... | ..... | 0 | 155 | 3 | 0 | 0 | 145 | 0 | 0 | 63 | ..... | ..... | ..... | 164 | 130 | ..... | ..... | ..... | ..... | 115 | 0 | 198 | ..... | ..... |

VALENTINE, NEBR.

[$H_b$=2,598 ft.; $h_t$=47 ft.; $h_r$=36 ft.; $h_a$=54 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.6 | NW. | 39 | W. | 0 | 8 | 5 | 2 | 4 | 6 | 7 | 15 | 15 | 0 | 13 | 10 | 8 | 5 | 4 | 11 | 5 | 0 | 0 | 20 | 0 | 31 | 0 | 0 |
| February | 8.4 | W. | 38 | NW. | 0 | 7 | 3 | 6 | 1 | 7 | 7 | 15 | 12 | 0 | 15 | 7 | 7 | 7 | 2 | 13 | 7 | 1 | 1 | 14 | 0 | 29 | 0 | 0 |
| March | 11.4 | NW. | 49 | NW. | 2 | 9 | 1 | 9 | 3 | 6 | 4 | 11 | 18 | 1 | 4 | 18 | 9 | 7 | 1 | 9 | 5 | 0 | 0 | 2 | 0 | 22 | 0 | 0 |
| April | 10.9 | NW. | 39 | SW. | 0 | 11 | 7 | 8 | 3 | 5 | 5 | 6 | 14 | 1 | 8 | 10 | 12 | 9 | 6 | 6 | 3 | 0 | 0 | 0 | 0 | 16 | 1 | 0 |
| May | 12.3 | NW. | 40 | NW. | 1 | 6 | 5 | 9 | 2 | 8 | 6 | 12 | 14 | 0 | 11 | 9 | 11 | 11 | 9 | 2 | 0 | 2 | 1 | 0 | 1 | 3 | 6 | 0 |
| June | 10.2 | NW. | 46 | N. | 3 | 10 | 6 | 6 | 10 | 6 | 2 | 9 | 11 | 0 | 8 | 14 | 8 | 14 | 10 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 9 | 0 |
| July | 11.2 | S. | 32 | S. | 0 | 5 | 3 | 9 | 8 | 21 | 9 | 2 | 5 | 0 | 17 | 11 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 5 | 0 |
| August | 8.6 | S. | 40 | SW. | 1 | 9 | 5 | 10 | 5 | 13 | 10 | 4 | 6 | 0 | 15 | 9 | 7 | 10 | 8 | 0 | 0 | 1 | 1 | 0 | 6 | 0 | 10 | 1 |
| September | 9.5 | NW. | 36 | S. | 0 | 3 | 4 | 8 | 3 | 11 | 4 | 12 | 15 | 0 | 21 | 7 | 2 | 7 | 3 | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 3 | 0 |
| October | 9.9 | NW. | 40 | S. | 1 | 17 | 5 | 1 | 1 | 9 | 6 | 11 | 12 | 0 | 11 | 13 | 7 | 7 | 6 | 4 | 4 | 0 | 1 | 1 | 0 | 12 | 0 | 0 |
| November | 9.2 | W. | 32 | NW. | 0 | 4 | 7 | 1 | 3 | 4 | 6 | 28 | 7 | 0 | 13 | 10 | 7 | 4 | 2 | 5 | 4 | 0 | 0 | 4 | 0 | 25 | 0 | 0 |
| December | 9.6 | W. | 38 | S. | 0 | 7 | 2 | 5 | 0 | 1 | 11 | 16 | 20 | 0 | 14 | 9 | 8 | 10 | 6 | 14 | 10 | 0 | 0 | 20 | 0 | 29 | 0 | 1 |
| Year | 10.1 | NW. | 49 | NW. | 8 | 96 | 53 | 74 | 43 | 97 | 77 | 141 | 149 | 2 | 150 | 127 | 89 | 97 | 62 | 64 | 38 | 5 | 6 | 61 | 35 | 170 | 34 | 2 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

VICKSBURG, MISS.

[$\phi$=32° 22′ N.; $\lambda$=90° 53′ 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 | 29.921 | 30.280 | 29.522 | 50.1 | 54.8 | 61.6 | 44.8 | 53.2 | 79 | 22 | 46 | 46 | 87 | 72 | 0.364 | 0.344 | 5.83 | 2.00 | 7.1 | 5.7 | 7.4 |
| February | 29.915 | 30.420 | 29.320 | 43.8 | 51.0 | 57.1 | 40.8 | 49.0 | 72 | 22 | 36 | 37 | 76 | 62 | .235 | .236 | 1.09 | .59 | 5.2 | 4.1 | 5.2 |
| March | 29.762 | 30.240 | 29.420 | 50.7 | 63.2 | 67.5 | 48.4 | 58.0 | 85 | 32 | 44 | 43 | 78 | 51 | .314 | .303 | 1.98 | 1.73 | 4.5 | 3.1 | 4.3 |
| April | 29.748 | 30.120 | 29.330 | 56.5 | 67.8 | 72.7 | 54.0 | 63.4 | 84 | 38 | 51 | 52 | 84 | 59 | .394 | .405 | 1.52 | .76 | 4.4 | 4.1 | 5.3 |
| May | 29.684 | 29.860 | 29.400 | 68.3 | 77.5 | 83.2 | 65.3 | 74.2 | 94 | 54 | 64 | 64 | 85 | 64 | .598 | .598 | 8.09 | 3.82 | 4.7 | 3.6 | 4.2 |
| June | 29.668 | 29.880 | 29.350 | 72.9 | 80.4 | 86.1 | 69.3 | 77.7 | 91 | 62 | 69 | 68 | 87 | 68 | .707 | .695 | 4.77 | 2.39 | 4.7 | 5.4 | 3.0 |
| July | 29.654 | 29.894 | 29.259 | 75.9 | 80.9 | 88.8 | 72.9 | 80.8 | 94 | 68 | 73 | 74 | 91 | 81 | .808 | .840 | 7.90 | 1.53 | 5.6 | 7.0 | 5.9 |
| August | 29.759 | 29.962 | 29.610 | 75.5 | 81.5 | 89.4 | 72.3 | 80.8 | 95 | 65 | 72 | 73 | 89 | 76 | .790 | .814 | 3.66 | 2.18 | 4.3 | 5.3 | 5.3 |
| September | 29.769 | 30.000 | 29.580 | 66.9 | 76.7 | 84.2 | 64.6 | 74.4 | 92 | 45 | 63 | 64 | 88 | 66 | .599 | .618 | 3.88 | 1.90 | 2.3 | 3.4 | 2.8 |
| October | 29.804 | 30.050 | 29.258 | 57.5 | 69.9 | 77.0 | 55.2 | 66.1 | 88 | 40 | 53 | 56 | 84 | 63 | .423 | .480 | 1.55 | 1.32 | 2.3 | 1.2 | 2.0 |
| November | 29.908 | 30.280 | 29.430 | 48.3 | 61.1 | 68.3 | 46.0 | 57.2 | 80 | 23 | 43 | 45 | 84 | 58 | .302 | .321 | 1.04 | .78 | 1.7 | 2.2 | 2.4 |
| December | 29.788 | 30.090 | 29.270 | 45.1 | 53.1 | 60.5 | 41.2 | 50.8 | 77 | 20 | 42 | 44 | 88 | 73 | .298 | .313 | 3.70 | 2.24 | 5.8 | 4.1 | 5.6 |
| Year | 29.782 | 30.420 | 29.258 | 59.3 | 68.2 | 74.7 | 56.2 | 65.5 | 95 | 20 | 55 | 56 | 85 | 66 | .486 | .497 | 45.01 | 3.82 | 4.4 | 4.1 | 4.4 |

WAGON WHEEL GAP, COLO., STATIONS A-1, C, AND D.

[$\phi$=37° 46′ N.; $\lambda$=106° 53′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | ..... | ..... | ..... | [2]13.6 | ..... | 23.5 | 7.0 | 15.2 | 35 | − 19 | ..... | ..... | [2]69 | ..... | [2]0.059 | ..... | 2.45 | 0.63 | ..... | ..... | 6.0 |
| February | ..... | ..... | ..... | 14.4 | ..... | 32.8 | 9.6 | 21.2 | 43 | − 24 | ..... | ..... | 65 | ..... | .055 | ..... | .36 | [1]1.12 | ..... | ..... | 4.5 |
| March | ..... | ..... | ..... | 25.7 | ..... | 40.8 | 18.0 | 29.4 | 54 | − 2 | ..... | ..... | 55 | ..... | .078 | ..... | 1.13 | .42 | ..... | ..... | 2.5 |
| April | ..... | ..... | ..... | 33.8 | ..... | 46.1 | 23.2 | 34.6 | 60 | 10 | ..... | ..... | 53 | ..... | .100 | ..... | 1.27 | .37 | ..... | ..... | 5.4 |
| May | ..... | ..... | ..... | 44.0 | ..... | 56.1 | 29.4 | 42.8 | 69 | 15 | ..... | ..... | 37 | ..... | .103 | ..... | .32 | .24 | ..... | ..... | 3.6 |
| June | ..... | ..... | ..... | 53.7 | ..... | 69.8 | 36.9 | 53.4 | 78 | 28 | ..... | ..... | 37 | ..... | .152 | ..... | .11 | .11 | ..... | ..... | 1.2 |
| July | ..... | ..... | ..... | 54.6 | ..... | 69.5 | 43.7 | 56.6 | 82 | 40 | ..... | ..... | 65 | ..... | .272 | ..... | 4.37 | 1.11 | ..... | ..... | 6.3 |
| August | ..... | ..... | ..... | 51.0 | ..... | 65.5 | 41.9 | 53.7 | 76 | 34 | ..... | ..... | 75 | ..... | .282 | ..... | 3.20 | .89 | ..... | ..... | 6.5 |
| September | ..... | ..... | ..... | 43.4 | ..... | 61.0 | 33.8 | 47.4 | 68 | 28 | ..... | ..... | 61 | ..... | .176 | ..... | 1.24 | .37 | ..... | ..... | 3.2 |
| October | ..... | ..... | ..... | 33.0 | ..... | 45.2 | 26.9 | 36.0 | 56 | 13 | ..... | ..... | 69 | ..... | .133 | ..... | 3.79 | 1.03 | ..... | ..... | 3.8 |
| November | ..... | ..... | ..... | 20.5 | ..... | 36.9 | 14.7 | 25.8 | 52 | 0 | ..... | ..... | 57 | ..... | .062 | ..... | .18 | .16 | ..... | ..... | 1.7 |
| December | ..... | ..... | ..... | 11.2 | ..... | 22.4 | 4.9 | 13.6 | 43 | − 16 | ..... | ..... | 58 | ..... | .046 | ..... | .95 | [1]1.24 | ..... | ..... | 3.8 |
| Year | ..... | ..... | ..... | 33.2 | ..... | 47.5 | 24.2 | 35.8 | 82 | − 24 | ..... | ..... | 58.4 | ..... | .126 | ..... | 19.37 | 1.11 | ..... | ..... | 4.0 |

WALLA WALLA, WASH.

[$\phi$=46° 2′ N.; $\lambda$=118° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.856 | 29.590 | 28.330 | 16.9 | 19.7 | 25.0 | 12.3 | 18.6 | 59 | − 7 | 13 | 15 | 86 | 84 | 0.084 | 0.091 | 2.79 | 0.72 | 8.3 | 7.9 | 7.8 |
| February | 29.066 | 29.450 | 28.340 | 30.0 | 35.2 | 37.4 | 27.9 | 32.6 | 58 | 9 | 27 | 29 | 88 | 79 | .150 | .165 | 3.34 | 1.32 | 7.3 | 7.7 | 8.0 |
| March | 28.926 | 29.370 | 28.305 | 43.2 | 52.3 | 55.8 | 39.6 | 47.7 | 70 | 31 | 34 | 38 | 72 | 59 | .202 | .233 | 3.46 | .89 | 6.9 | 7.8 | 7.4 |
| April | 28.974 | 29.330 | 28.580 | 45.2 | 61.1 | 62.9 | 43.3 | 53.1 | 78 | 36 | 36 | 35 | 70 | 39 | .211 | .206 | 1.83 | .77 | 5.4 | 4.8 | 4.5 |
| May | 28.879 | 29.280 | 28.440 | 47.4 | 63.6 | 66.1 | 45.6 | 55.8 | 83 | 36 | 37 | 34 | 69 | 35 | .226 | .198 | 1.29 | .46 | 5.3 | 5.7 | 5.6 |
| June | 28.880 | 29.170 | 28.420 | 55.0 | 73.6 | 76.5 | 52.2 | 64.4 | 99 | 41 | 43 | 42 | 66 | 36 | .282 | .273 | 1.77 | 1.13 | 5.0 | 5.1 | 4.8 |
| July | 28.905 | 29.150 | 28.620 | 59.0 | 79.8 | 81.6 | 58.0 | 69.8 | 99 | 50 | 47 | 46 | 65 | 34 | .327 | .318 | .72 | .57 | 3.6 | 3.2 | 3.2 |
| August | 28.865 | 29.170 | 28.610 | 62.3 | 86.3 | 87.8 | 60.2 | 74.0 | 102 | 47 | 45 | 44 | 54 | 23 | .303 | .290 | .17 | .12 | 2.6 | 2.1 | 2.3 |
| September | 28.923 | 29.300 | 28.570 | 55.8 | 73.9 | 76.2 | 52.3 | 64.2 | 92 | 40 | 41 | 45 | 58 | 36 | .261 | .299 | .15 | .06 | 2.8 | 3.6 | 3.8 |
| October | 29.026 | 29.330 | 28.588 | 44.9 | 58.8 | 63.8 | 41.1 | 52.4 | 80 | 32 | 31 | 33 | 58 | 38 | .177 | .194 | .38 | .34 | 2.4 | 3.0 | 3.0 |
| November | 29.162 | 29.720 | 28.490 | 33.9 | 38.5 | 43.0 | 30.0 | 36.5 | 69 | 12 | 28 | 30 | 79 | 72 | .156 | .172 | 2.74 | .92 | 4.9 | 6.5 | 6.6 |
| December | 28.956 | 29.520 | 28.270 | 29.3 | 31.1 | 36.2 | 24.8 | 30.5 | 57 | 5 | 25 | 27 | 85 | 84 | .139 | .149 | 2.68 | .63 | 8.5 | 7.5 | 8.7 |
| Year | 28.952 | 29.720 | 28.270 | 43.6 | 56.2 | 59.4 | 40.6 | 50.0 | 102 | − 7 | 34 | 35 | 71 | 52 | .210 | .216 | 21.32 | 1.32 | 5.2 | 5.4 | 5.5 |

WASHINGTON, D. C.

[$\phi$=38° 54′ N.; $\lambda$=77° 3′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.134 | 30.550 | 29.580 | 35.1 | 41.2 | 48.8 | 30.9 | 39.8 | 71 | 8 | 28 | 30 | 74 | 64 | 0.176 | 0.192 | 1.57 | 0.58 | 6.3 | 6.0 | 6.5 |
| February | 29.930 | 30.540 | 29.130 | 29.8 | 35.0 | 42.1 | 26.2 | 34.2 | 61 | 6 | 22 | 24 | 72 | 64 | .130 | .137 | 2.84 | 1.09 | 6.8 | 7.0 | 6.2 |
| March | 29.827 | 30.330 | 28.970 | 33.3 | 40.2 | 46.7 | 29.1 | 37.9 | 71 | 14 | 24 | 26 | 67 | 57 | .134 | .149 | 2.80 | 1.10 | 5.8 | 5.9 | 5.7 |
| April | 29.835 | 30.176 | 29.290 | 48.5 | 55.6 | 63.6 | 43.2 | 53.4 | 85 | 32 | 38 | 37 | 69 | 53 | .236 | .232 | 2.96 | .71 | 5.5 | 6.0 | 6.1 |
| May | 29.814 | 30.185 | 29.440 | 63.2 | 68.5 | 76.7 | 56.7 | 66.7 | 93 | 46 | 51 | 52 | 67 | 59 | .394 | .417 | 2.30 | .78 | 6.0 | 5.8 | 5.6 |
| June | 29.809 | 30.100 | 29.490 | 66.0 | 71.2 | 79.2 | 60.2 | 69.7 | 87 | 49 | 57 | 60 | 75 | 69 | .480 | .523 | 7.53 | 2.21 | 5.1 | 6.0 | 5.5 |
| July | 29.885 | 30.200 | 29.510 | 73.8 | 78.5 | 86.4 | 69.2 | 77.8 | 95 | 60 | 68 | 69 | 81 | 73 | .680 | .710 | 4.97 | 1.92 | 6.1 | 5.9 | 6.5 |
| August | 29.884 | 30.150 | 29.580 | 70.9 | 75.5 | 85.2 | 65.1 | 75.2 | 97 | 56 | 65 | 67 | 82 | 75 | .624 | .669 | 2.83 | 1.46 | 4.6 | 4.2 | 4.5 |
| September | 29.959 | 30.325 | 29.653 | 61.4 | 66.5 | 77.7 | 55.4 | 66.6 | 93 | 41 | 55 | 57 | 81 | 72 | .459 | .486 | 2.57 | 1.17 | 3.9 | 3.3 | 3.8 |
| October | 30.028 | 30.342 | 29.440 | 50.2 | 57.8 | 68.2 | 45.1 | 56.6 | 87 | 35 | 44 | 48 | 80 | 71 | .311 | .361 | 1.76 | 1.29 | 4.3 | 3.7 | 3.9 |
| November | 30.040 | 30.472 | 29.259 | 41.8 | 47.9 | 55.8 | 36.8 | 46.3 | 76 | 24 | 34 | 34 | 74 | 60 | .208 | .212 | 2.11 | 1.14 | 4.3 | 3.4 | 4.2 |
| December | 29.919 | 30.430 | 29.210 | 31.9 | 36.3 | 42.8 | 28.2 | 35.5 | 71 | 13 | 23 | 24 | 70 | 59 | .134 | .133 | 4.03 | 1.23 | 4.7 | 4.2 | 4.8 |
| Year | 29.922 | 30.550 | 28.970 | 50.5 | 56.2 | 64.4 | 45.5 | 55.0 | 97 | 6 | 42 | 44 | 74 | 65 | .330 | .352 | 38.27 | 2.21 | 5.3 | 5.1 | 5.3 |

[1] Estimated.

[2] 9 a. m.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

VICKSBURG, MISS.

[$H_b$=247 ft.; $h_t$=65 ft.; $h_r$=58 ft.; $h_a$=74 ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.7 | SE. | 36 | NW. | 0 | 5 | 9 | 7 | 22 | 9 | 3 | 2 | 5 | 0 | 5 | 6 | 20 | 8 | 7 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 4 | 0 |
| February | 7.4 | N. | 22 | NW. | 0 | 14 | 2 | 9 | 6 | 5 | 13 | 2 | 7 | 0 | 13 | 4 | 12 | 5 | 4 | 1 | 1 | 1 | 0 | 1 | 0 | 6 | 3 | 0 |
| March | 9.3 | SW. | 35 | NW. | 0 | 3 | 2 | 7 | 13 | 8 | 17 | 4 | 8 | 0 | 15 | 10 | 6 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 3 | 0 |
| April | 7.5 | SE. | 31 | NW. | 0 | 2 | 8 | 2 | 18 | 7 | 6 | 5 | 12 | 0 | 9 | 12 | 9 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| May | 6.1 | SW. | 26 | SE. | 0 | 4 | 1 | 10 | 15 | 10 | 16 | 2 | 4 | 0 | 17 | 8 | 6 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 0 |
| June | 5.9 | SW. | 30 | W. | 0 | 4 | 7 | 8 | 10 | 7 | 13 | 3 | 7 | 1 | 10 | 15 | 5 | 13 | 11 | 0 | 0 | 0 | 1 | 0 | 6 | 0 | 17 | 0 |
| July | 5.5 | E. | 30 | SE. | 0 | 3 | 8 | 11 | 5 | 8 | 8 | 10 | 9 | 0 | 5 | 19 | 7 | 19 | 16 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 17 | 0 |
| August | 4.8 | SE. | 24 | W. | 0 | 4 | 11 | 7 | 14 | 7 | 11 | 3 | 4 | 1 | 10 | 12 | 9 | 9 | 8 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 10 | 0 |
| September | 5.5 | NE. | 33 | SE. | 0 | 9 | 16 | 4 | 15 | 8 | 2 | 0 | 4 | 2 | 22 | 5 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 4 | 0 |
| October | 6.0 | E. | 30 | NW. | 0 | 9 | 13 | 13 | 13 | 5 | 2 | 4 | 2 | 1 | 25 | 3 | 3 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| November | 6.7 | SE. | 24 | W. | 0 | 7 | 8 | 2 | 25 | 4 | 4 | 3 | 7 | 0 | 22 | 5 | 3 | 4 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 |
| December | 8.6 | SE. | 26 | NW. | 0 | 7 | 7 | 6 | 21 | 6 | 3 | 3 | 9 | 0 | 10 | 8 | 13 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 10 | 5 | 0 |
| Year | 6.8 | SE. | 36 | NW. | 0 | 71 | 92 | 86 | 177 | 84 | 98 | 41 | 78 | 5 | 163 | 107 | 96 | 88 | 73 | 1 | 1 | 3 | 6 | 3 | 48 | 27 | 73 | 0 |

WAGOW WHEEL GAP, COLO., STATIONS A-1, C, AND D.

[$H_b$=— ft.; $h_t$=8.9 ft.; $h_r$=T. B. gage 3.3, S gage 5 ft.; $h_a$=22 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.7 | ..... | 23 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 7 | 11 | 13 | 15 | 13 | 16 | 15 | 0 | 0 | 27 | 0 | 31 | 0 | 0 |
| February | 6.0 | ..... | 18 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13 | 9 | 7 | 9 | 5 | 10 | 9 | 0 | 0 | 9 | 0 | 29 | 0 | 0 |
| March | 9.1 | ..... | 31 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 19 | 9 | 3 | 7 | 6 | 11 | 6 | 0 | 0 | 7 | 0 | 30 | 0 | 0 |
| April | 7.0 | ..... | 30 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8 | 14 | 8 | 12 | 7 | 15 | 10 | 0 | 0 | 1 | 0 | 29 | 2 | 0 |
| May | 7.3 | ..... | 23 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16 | 11 | 4 | 4 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 21 | 1 | 0 |
| June | 5.7 | ..... | 21 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 27 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 |
| July | 4.0 | ..... | 15 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 16 | 11 | 20 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 |
| August | 3.9 | ..... | 12 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 | 17 | 11 | 21 | 13 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 21 | 0 |
| September | 4.8 | ..... | 21 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20 | 8 | 2 | 9 | 7 | 3 | 0 | 0 | 1 | 0 | 0 | 14 | 6 | 0 |
| October | 5.7 | ..... | 26 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16 | 8 | 7 | 15 | 13 | 9 | 5 | 0 | 0 | 1 | 0 | 22 | 4 | 0 |
| November | 5.9 | ..... | 22 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 | 6 | 2 | 3 | 1 | 5 | 3 | 0 | 0 | 11 | 0 | 30 | 0 | 0 |
| December | 8.1 | ..... | 30 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16 | 11 | 4 | 14 | 7 | 15 | 14 | 0 | 0 | 25 | 0 | 31 | 0 | 0 |
| Year | 6.2 | ..... | 31 | ..... | 0 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 171 | 123 | 72 | 130 | 90 | 92 | 65 | 2 | 1 | 81 | 0 | 242 | 57 | 0 |

WALLA WALLA, WASH.

[$H_b$=1,000 ft.; $h_t$=57 ft.; $h_r$=50 ft.; $h_a$=65 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 4.8 | S. | 28 | S. | 0 | 2 | 1 | 1 | 7 | 28 | 15 | 5 | 2 | 1 | 4 | 7 | 20 | 18 | 17 | 19 | 17 | 0 | 0 | 21 | 0 | 28 | 0 | 0 |
| February | 3.9 | S. | 26 | SW. | 0 | 4 | 0 | 0 | 3 | 16 | 16 | 14 | 3 | 2 | 4 | 6 | 19 | 11 | 8 | 9 | 7 | 0 | 3 | 3 | 0 | 19 | 0 | 0 |
| March | 6.1 | S. | 31 | SW. | 0 | 5 | 0 | 2 | 11 | 24 | 12 | 5 | 3 | 0 | 4 | 8 | 19 | 15 | 14 | 6 | 3 | 1 | 0 | 0 | 0 | 5 | 1 | 0 |
| April | 6.0 | S. | 22 | SW. | 0 | 2 | 0 | 3 | 11 | 21 | 7 | 10 | 6 | 0 | 13 | 11 | 6 | 9 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | 6.0 | S. | 28 | SW. | 0 | 3 | 5 | 3 | 10 | 24 | 11 | 5 | 1 | 0 | 8 | 13 | 10 | 10 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | 4.7 | S. | 24 | SW. | 0 | 5 | 4 | 3 | 11 | 22 | 9 | 2 | 3 | 1 | 12 | 8 | 10 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 0 |
| July | 5.4 | S. | 20 | S. | 0 | 2 | 3 | 2 | 11 | 23 | 15 | 5 | 1 | 0 | 19 | 7 | 5 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 |
| August | 4.4 | S. | 18 | SW. | 0 | 4 | 4 | 4 | 8 | 19 | 13 | 7 | 2 | 1 | 22 | 7 | 2 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 3 | 1 |
| September | 4.7 | S. | 28 | W. | 0 | 2 | 1 | 1 | 12 | 19 | 15 | 7 | 1 | 2 | 17 | 6 | 7 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| October | 4.1 | S. | 21 | W. | 0 | 4 | 3 | 1 | 5 | 25 | 9 | 9 | 3 | 3 | 21 | 4 | 6 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| November | 4.8 | SW. | 28 | W. | 0 | 2 | 2 | 0 | 3 | 17 | 17 | 12 | 5 | 2 | 8 | 5 | 17 | 9 | 8 | 0 | 0 | 0 | 4 | 8 | 0 | 17 | 0 | 0 |
| December | 4.5 | S. | 31 | W. | 0 | 1 | 1 | 0 | 5 | 26 | 21 | 6 | 1 | 1 | 0 | 7 | 24 | 17 | 15 | 14 | 10 | 0 | 6 | 10 | 0 | 25 | 0 | 0 |
| Year | 5.0 | S. | 31 | W. | 0 | 36 | 24 | 20 | 97 | 264 | 160 | 87 | 31 | 13 | 132 | 89 | 145 | 115 | 92 | 49 | 37 | 2 | 13 | 45 | 23 | 95 | 14 | 1 |

WASHINGTON, D. C.

[$H_b$=112 ft.; $h_t$=62 ft.; $h_r$=42 ft.; $h_a$=85 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 7.1 | S. | 35 | NW. | 0 | 7 | 2 | 5 | 5 | 13 | 8 | 9 | 12 | 1 | 7 | 9 | 15 | 13 | 8 | 2 | 2 | 0 | 1 | 5 | 0 | 15 | 1 | 0 |
| February | 9.5 | NW. | 42 | NW. | 2 | 11 | 8 | 0 | 3 | 10 | 3 | 6 | 17 | 0 | 7 | 7 | 15 | 10 | 9 | 8 | 3 | 0 | 0 | 4 | 0 | 21 | 0 | 0 |
| March | 8.3 | NW. | 38 | NW. | 0 | 15 | 5 | 9 | 4 | 6 | 3 | 1 | 19 | 0 | 10 | 9 | 12 | 10 | 8 | 9 | 4 | 1 | 0 | 5 | 0 | 21 | 3 | 0 |
| April | 6.6 | NW. | 46 | NW. | 2 | 9 | 8 | 5 | 6 | 5 | 2 | 3 | 21 | 1 | 9 | 9 | 12 | 13 | 10 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| May | 6.6 | NW. | 32 | NW. | 0 | 8 | 5 | 5 | 7 | 12 | 10 | 4 | 10 | 1 | 10 | 11 | 10 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | 0 |
| June | 5.8 | NW. | 28 | SE. | 0 | 6 | 6 | 10 | 11 | 7 | 5 | 2 | 12 | 1 | 9 | 11 | 10 | 13 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 |
| July | 5.2 | S. | 22 | NW. | 0 | 5 | 6 | 2 | 13 | 17 | 9 | 4 | 6 | 0 | 6 | 11 | 14 | 11 | 8 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 5 | 0 |
| August | 4.4 | SW. | 52 | NW. | 1 | 15 | 4 | 3 | 4 | 8 | 11 | 6 | 7 | 4 | 14 | 9 | 8 | 8 | 8 | 0 | 0 | 1 | 3 | 0 | 7 | 0 | 5 | 2 |
| September | 5.3 | S. | 26 | N. | 0 | 11 | 2 | 1 | 8 | 11 | 9 | 5 | 12 | 1 | 16 | 8 | 6 | 7 | 6 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 7 | 0 |
| October | 5.3 | N. | 26 | SW. | 0 | 17 | 3 | 2 | 2 | 9 | 7 | 7 | 13 | 2 | 17 | 8 | 6 | 9 | 5 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| November | 6.2 | NW. | 32 | NW. | 0 | 5 | 3 | 2 | 6 | 11 | 12 | 5 | 16 | 0 | 16 | 4 | 10 | 8 | 6 | 1 | 0 | 0 | 2 | 0 | 0 | 9 | 0 | 0 |
| December | 7.0 | NW. | 46 | NW. | 1 | 10 | 2 | 3 | 9 | 5 | 9 | 11 | 13 | 0 | 13 | 9 | 9 | 12 | 11 | 5 | 4 | 0 | 3 | 5 | 0 | 21 | 1 | 0 |
| Year | 6.4 | NW. | 52 | NW. | 6 | 119 | 54 | 47 | 78 | 114 | 88 | 63 | 158 | 11 | 134 | 105 | 127 | 125 | 100 | 27 | 15 | 3 | 16 | 19 | 18 | 87 | 41 | 2 |

[1] For one hour.

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

WAUSAU, WIS.

[$\phi$=44° N.; $\lambda$=89° 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 | 28.684 | 29.206 | 28.161 | 10.7 | ..... | 22.9 | 3.0 | 13.0 | 43 | −25 | .... | .... | .... | .... | ..... | ..... | 1.81 | 0.45 | 5.7 | ..... | 5.9 |
| February | 28.754 | 29.268 | 28.412 | 6.5 | ..... | 20.3 | 1.8 | 11.0 | 51 | −15 | .... | .... | .... | .... | ..... | ..... | .64 | .19 | 5.2 | ..... | 5.1 |
| March | 28.631 | 29.073 | 27.966 | 16.1 | ..... | 31.5 | 10.8 | 21.2 | 57 | − 7 | .... | .... | .... | .... | ..... | ..... | 1.61 | .44 | 6.3 | ..... | 5.6 |
| April | 28.594 | 28.885 | 28.003 | 36.1 | ..... | 59.6 | 32.0 | 41.3 | 66 | 17 | .... | .... | .... | .... | ..... | ..... | 3.09 | 1.25 | 5.3 | ..... | 6.1 |
| May | 28.519 | 28.955 | 27.989 | 48.6 | ..... | 63.2 | 42.3 | 52.8 | 79 | 32 | .... | .... | .... | .... | ..... | ..... | 2.64 | 1.07 | 4.8 | ..... | 5.5 |
| June | 28.529 | 28.954 | 28.096 | 55.5 | ..... | 68.2 | 49.7 | 59.0 | 79 | 42 | .... | .... | .... | .... | ..... | ..... | 5.74 | 1.55 | 5.9 | ..... | 6.9 |
| July | 28.715 | 28.939 | 28.545 | 69.9 | ..... | 86.0 | 63.6 | 74.8 | 97 | 52 | .... | .... | .... | .... | ..... | ..... | 3.69 | 1.85 | 3.0 | ..... | 3.4 |
| August | 28.687 | 29.001 | 28.502 | 61.2 | ..... | 79.7 | 56.2 | 68.0 | 95 | 37 | .... | .... | .... | .... | ..... | ..... | 1.49 | .75 | 4.4 | ..... | 4.5 |
| September | 28.639 | 28.976 | 28.187 | 50.0 | ..... | 65.0 | 45.5 | 55.2 | 80 | 28 | .... | .... | .... | .... | ..... | ..... | 5.99 | 1.78 | 5.6 | ..... | 6.2 |
| October | 28.671 | 29.126 | 28.208 | 39.4 | ..... | 54.2 | 36.1 | 45.2 | 81 | 24 | .... | .... | .... | .... | ..... | ..... | 2.60 | .79 | 4.8 | ..... | 5.6 |
| November | 28.666 | 29.114 | 28.075 | 26.3 | ..... | 37.3 | 22.5 | 29.9 | 66 | − 3 | .... | .... | .... | .... | ..... | ..... | 1.98 | .88 | 6.9 | ..... | 6.5 |
| December | 28.551 | 29.075 | 28.162 | 8.7 | ..... | 21.8 | 5.1 | 13.4 | 53 | −16 | .... | .... | .... | .... | ..... | ..... | 1.15 | .23 | 4.2 | ..... | 4.7 |
| Year | 28.637 | 29.268 | 27.966 | 35.8 | ..... | 50.1 | 30.7 | 40.4 | 97 | −25 | .... | .... | .... | .... | ..... | ..... | 32.43 | 1.85 | 5.2 | ..... | 5.5 |

WICHITA, KANS.

[$\phi$=37° 41′ N.; $\lambda$=97° 20′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.645 | 29.160 | 28.100 | 23.9 | 27.8 | 36.1 | 18.1 | 27.1 | 68 | −11 | 21 | 21 | 89 | 77 | 0.129 | 0.131 | 1.90 | 0.91 | 6.7 | 5.2 | 6.3 |
| February | 28.715 | 29.200 | 28.230 | 27.6 | 37.8 | 42.7 | 24.1 | 33.4 | 71 | 1 | 24 | 27 | 86 | 68 | .138 | .154 | .13 | .10 | 2.8 | 3.6 | 3.7 |
| March | 28.485 | 29.060 | 27.880 | 38.6 | 55.7 | 61.7 | 35.7 | 48.7 | 92 | 1 | 29 | 31 | 69 | 44 | .165 | .183 | 1.50 | .90 | 3.2 | 2.8 | 3.8 |
| April | 28.525 | 28.880 | 27.930 | 46.0 | 57.2 | 60.8 | 43.7 | 52.2 | 80 | 28 | 40 | 42 | 81 | 60 | .262 | .276 | 3.87 | 1.43 | 5.8 | 4.7 | 6.0 |
| May | 28.395 | 28.660 | 28.039 | 59.4 | 72.2 | 76.5 | 56.0 | 66.2 | 92 | 39 | 52 | 51 | 77 | 52 | .408 | .403 | 5.11 | 2.74 | 5.1 | 4.0 | 4.4 |
| June | 28.435 | 28.670 | 28.030 | 65.4 | 77.7 | 81.9 | 62.9 | 72.4 | 94 | 55 | 60 | 62 | 84 | 62 | .529 | .580 | 8.32 | 4.76 | 5.4 | 4.0 | 4.4 |
| July | 28.630 | 28.770 | 28.300 | 74.8 | 89.5 | 93.6 | 72.3 | 83.0 | 99 | 66 | 64 | 62 | 70 | 42 | .599 | .573 | .10 | .10 | 1.6 | 1.5 | 2.6 |
| August | 28.528 | 28.820 | 28.257 | 72.5 | 87.9 | 92.5 | 70.7 | 81.6 | 100 | 53 | 62 | 60 | 71 | 40 | .578 | .531 | 2.12 | .91 | 3.8 | 2.5 | 3.4 |
| September | 28.555 | 28.914 | 28.020 | 60.5 | 74.5 | 80.2 | 58.4 | 69.3 | 94 | 39 | 52 | 52 | 74 | 48 | .420 | .420 | .86 | .48 | 3.6 | 2.7 | 3.1 |
| October | 28.583 | 29.050 | 28.248 | 50.6 | 62.5 | 68.9 | 48.6 | 58.8 | 88 | 26 | 42 | 44 | 75 | 55 | .282 | .312 | 2.32 | 1.30 | 4.2 | 3.2 | 4.5 |
| November | 28.637 | 29.050 | 28.230 | 39.0 | 49.9 | 56.0 | 36.5 | 46.2 | 79 | 12 | 32 | 35 | 78 | 58 | .199 | .219 | 2.93 | 2.73 | 3.6 | 2.3 | 3.2 |
| December | 28.510 | 28.950 | 27.980 | 25.2 | 34.6 | 41.6 | 20.4 | 31.0 | 68 | − 4 | 19 | 23 | 78 | 63 | .109 | .132 | .46 | .34 | 3.7 | 3.6 | 4.7 |
| Year | 28.545 | 29.200 | 27.880 | 48.6 | 60.6 | 66.0 | 45.6 | 55.8 | 100 | −11 | 41 | 42 | 78 | 56 | .318 | .326 | 29.62 | 4.76 | 4.1 | 3.3 | 4.2 |

WILLISTON, N. DAK.

[$\phi$=48° 9′ N.; $\lambda$=103° 35′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.081 | 28.530 | 27.360 | -12.4 | −5.7 | 1.2 | -17.7 | −8.2 | 33 | −42 | -13 | −8 | 95 | 90 | 0.022 | 0.029 | 1.17 | 0.34 | 4.0 | 5.7 | 6.7 |
| February | 28.148 | 28.561 | 27.660 | 2.9 | 12.1 | 16.5 | −2.0 | 7.2 | 45 | −25 | 1 | 7 | 91 | 81 | .054 | .071 | .39 | .18 | 3.6 | 5.4 | 5.2 |
| March | 27.975 | 28.490 | 27.460 | 18.0 | 25.7 | 31.4 | 13.4 | 22.4 | 51 | −25 | 14 | 19 | 82 | 74 | .093 | .108 | .80 | .45 | 7.0 | 7.3 | 6.9 |
| April | 28.009 | 28.450 | 27.540 | 32.4 | 46.2 | 50.3 | 30.3 | 40.3 | 75 | 14 | 26 | 28 | 78 | 52 | .144 | .154 | 1.31 | 1.09 | 4.9 | 7.5 | 5.8 |
| May | 27.849 | 28.270 | 27.360 | 42.0 | 59.0 | 62.2 | 38.9 | 50.6 | 83 | 23 | 35 | 35 | 76 | 44 | .206 | .214 | 1.61 | .64 | 5.5 | 6.6 | 5.9 |
| June | 27.900 | 28.089 | 27.590 | 51.7 | 65.4 | 69.0 | 48.3 | 58.6 | 80 | 37 | 46 | 47 | 82 | 55 | .322 | .332 | 4.73 | 1.39 | 5.1 | 7.2 | 6.0 |
| July | 27.947 | 28.340 | 27.520 | 63.8 | 80.1 | 83.5 | 60.1 | 71.8 | 92 | 51 | 58 | 59 | 80 | 50 | .483 | .507 | 1.14 | .83 | 5.0 | 3.3 | 3.9 |
| August | 27.976 | 28.370 | 27.508 | 54.7 | 73.4 | 77.5 | 52.1 | 64.8 | 95 | 39 | 49 | 50 | 82 | 47 | .361 | .375 | 1.95 | 1.21 | 4.1 | 4.5 | 3.9 |
| September | 27.934 | 28.389 | 27.490 | 43.8 | 61.5 | 67.2 | 41.3 | 54.2 | 90 | 28 | 39 | 43 | 84 | 52 | .249 | .286 | 1.26 | .76 | 3.8 | 5.1 | 4.7 |
| October | 28.025 | 28.600 | 27.600 | 33.5 | 42.6 | 50.5 | 29.4 | 40.0 | 72 | 20 | 28 | 30 | 79 | 59 | .153 | .167 | .63 | .50 | 5.8 | 5.4 | 6.2 |
| November | 28.013 | 28.640 | 27.230 | 22.6 | 32.2 | 40.7 | 18.6 | 29.6 | 70 | − 5 | 17 | 20 | 77 | 61 | .097 | .113 | .35 | .18 | 2.9 | 3.8 | 5.8 |
| December | 27.927 | 28.392 | 27.400 | 0.0 | 5.4 | 12.0 | −6.7 | 2.6 | 52 | −33 | −3 | 1 | 88 | 82 | .044 | .051 | 1.50 | .64 | 5.3 | 4.8 | 5.3 |
| Year | 27.982 | 28.640 | 27.230 | 29.4 | 41.6 | 46.8 | 25.5 | 36.2 | 95 | −42 | 25 | 28 | 83 | 62 | .019 | .020 | 16.84 | 1.39 | 4.8 | 5.6 | 5.5 |

WILMINGTON, N. C.

[$\phi$=34° 14′ N.; $\lambda$=77° 57′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 30.213 | 30.540 | 29.690 | 47.5 | 52.8 | 62.8 | 43.0 | 52.9 | 76 | 20 | 43 | 45 | 84 | 75 | 0.307 | 0.333 | 1.12 | 0.32 | 5.4 | 4.7 | 5.0 |
| February | 29.989 | 30.570 | 29.290 | 42.5 | 48.1 | 57.9 | 38.2 | 48.0 | 74 | 15 | 36 | 39 | 79 | 73 | .243 | .263 | 2.64 | .84 | 4.6 | 3.4 | 4.0 |
| March | 29.895 | 30.270 | 29.250 | 46.4 | 51.9 | 62.5 | 41.5 | 52.0 | 80 | 25 | 38 | 41 | 74 | 68 | .259 | .279 | 2.83 | 1.19 | 3.7 | 2.9 | 3.7 |
| April | 29.906 | 30.310 | 29.560 | 55.2 | 60.7 | 69.8 | 50.6 | 60.2 | 88 | 35 | 45 | 49 | 70 | 67 | .306 | .351 | 1.21 | .41 | 3.8 | 3.9 | 3.8 |
| May | 29.899 | 30.190 | 29.520 | 69.0 | 70.4 | 80.2 | 63.5 | 71.8 | 92 | 51 | 62 | 61 | 79 | 74 | .570 | .551 | 3.35 | 2.18 | 4.0 | 3.2 | 3.9 |
| June | 29.874 | 30.104 | 29.630 | 73.2 | 74.4 | 83.1 | 67.2 | 75.2 | 92 | 58 | 67 | 67 | 82 | 79 | .675 | .674 | 6.73 | 3.11 | 4.4 | 5.7 | 5.3 |
| July | 29.947 | 30.140 | 29.670 | 76.2 | 77.5 | 84.4 | 71.8 | 78.1 | 92 | 66 | 71 | 72 | 85 | 85 | .763 | .800 | 10.83 | 4.94 | 6.2 | 6.8 | 6.7 |
| August | 29.947 | 30.120 | 29.710 | 75.6 | 78.2 | 86.5 | 75.4 | 79.0 | 95 | 64 | 71 | 72 | 86 | 82 | .766 | .794 | 2.36 | .61 | 3.5 | 3.9 | 4.8 |
| September | 29.980 | 30.170 | 29.720 | 67.6 | 71.8 | 80.6 | 63.5 | 72.0 | 92 | 51 | 62 | 66 | 84 | 82 | .585 | .647 | 4.57 | 2.43 | 3.4 | 3.6 | 4.1 |
| October | 30.010 | 30.180 | 29.710 | 60.1 | 65.4 | 73.5 | 56.6 | 65.0 | 85 | 43 | 55 | 60 | 87 | 84 | .479 | .544 | 5.12 | 2.68 | 4.7 | 4.1 | 4.7 |
| November | 30.101 | 30.491 | 29.600 | 49.2 | 56.8 | 66.2 | 47.0 | 56.6 | 80 | 29 | 44 | 49 | 83 | 77 | .321 | .376 | 1.97 | 1.04 | 2.9 | 2.8 | 3.3 |
| December | 30.005 | 30.420 | 29.350 | 44.8 | 49.4 | 60.0 | 38.9 | 49.4 | 76 | 27 | 38 | 40 | 78 | 71 | .263 | .270 | 1.19 | .69 | 4.4 | 3.2 | 4.5 |
| Year | 29.980 | 30.570 | 29.250 | 58.9 | 63.1 | 72.3 | 54.4 | 63.4 | 95 | 15 | 53 | 55 | 81 | 76 | .461 | .490 | 43.92 | 4.94 | 4.2 | 4.0 | 4.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

### WAUSAU, WIS.

[$H_b$= 1,247 ft.; $h_t$= 4 ft.; $h_r$=38 ft.; $h_a$= —ft.]

| Month. | Wind. By self-register. Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | ..... | NW. | .... | ..... | .... | 2 | 0 | 4 | 7 | 0 | 3 | 3 | 11 | 1 | 10 | 6 | 15 | 10 | 7 | 12 | 6 | 0 | 1 | 23 | 0 | 31 | 0 | 0 |
| February | ..... | NW. | .... | ..... | .... | 3 | 2 | 1 | 4 | 1 | 2 | 5 | 11 | 0 | 10 | 10 | 9 | 8 | 4 | 14 | 8 | 0 | 0 | 24 | 0 | 29 | 0 | 0 |
| March | ..... | N. | .... | ..... | .... | 12 | 3 | 0 | 4 | 3 | 3 | 2 | 3 | 1 | 10 | 7 | 14 | 13 | 8 | 12 | 11 | 0 | 1 | 17 | 0 | 29 | 1 | 0 |
| April | ..... | NW. | .... | ..... | .... | 6 | 1 | 2 | 3 | 4 | 2 | 4 | 7 | 1 | 11 | 5 | 14 | 13 | 7 | 4 | 0 | 1 | 0 | 0 | 0 | 13 | 1 | 1 |
| May | ..... | W. | .... | ..... | .... | 1 | 1 | 3 | 5 | 3 | 2 | 7 | 6 | 3 | 12 | 8 | 11 | 17 | 12 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 7 | 1 |
| June | ..... | NW. | .... | ..... | .... | 5 | 2 | 5 | 4 | 2 | 0 | 4 | 6 | 2 | 4 | 10 | 16 | 17 | 14 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 10 | 0 |
| July | ..... | SE. | .... | ..... | .... | 3 | 1 | 3 | 8 | 5 | 3 | 2 | 4 | 2 | 17 | 13 | 1 | 5 | 3 | 0 | 0 | 1 | 0 | 0 | 6 | 0 | 9 | 1 |
| August | ..... | SE. | .... | ..... | .... | 3 | 0 | 1 | 12 | 2 | 1 | 1 | 5 | 6 | 15 | 9 | 7 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 5 | 1 |
| September | ..... | SE. | .... | ..... | .... | 2 | 2 | 0 | 10 | 2 | 5 | 1 | 6 | 2 | 8 | 8 | 14 | 17 | 13 | 2 | 1 | 1 | 1 | 0 | 0 | 5 | 6 | 0 |
| October | ..... | NW. | .... | ..... | .... | 3 | 2 | 0 | 8 | 4 | 2 | 2 | 10 | 0 | 9 | 12 | 10 | 11 | 11 | 4 | 1 | 0 | 1 | 0 | 0 | 13 | 1 | 0 |
| November | ..... | NW. | .... | ..... | .... | 5 | 2 | 1 | 7 | 2 | 2 | 2 | 9 | 0 | 9 | 4 | 17 | 10 | 8 | 9 | 5 | 1 | 2 | 10 | 0 | 25 | 1 | 0 |
| December | ..... | NW. | .... | ..... | .... | 3 | 3 | 3 | 3 | 2 | 1 | 7 | 9 | 0 | 13 | 9 | 9 | 11 | 10 | 12 | 9 | 0 | 1 | 21 | 0 | 29 | 0 | 0 |
| Year | ..... | NW. | .... | ..... | .... | 48 | 19 | 23 | 75 | 30 | 26 | 40 | 87 | 18 | 128 | 101 | 137 | 140 | 103 | 69 | 41 | 9 | 8 | 95 | 11 | 175 | 41 | 4 |

### WICHITA, KANS.

[$H_b$= 1,358 ft.; $h_t$= 139 ft.; $h_r$= 132 ft.; $h_a$=158 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 14.7 | S. | 48 | SW. | 4 | 20 | 9 | 5 | 2 | 18 | 2 | 2 | 4 | 0 | 9 | 7 | 15 | 13 | 8 | 13 | 6 | 1 | 1 | 15 | 0 | 26 | 2 | 0 |
| February | 11.3 | N. | 34 | N. | 0 | 22 | 10 | 3 | 4 | 10 | 5 | 1 | 3 | 0 | 15 | 6 | 8 | 4 | 2 | 7 | 3 | 0 | 1 | 9 | 0 | 21 | 0 | 0 |
| March | 16.3 | N. | 50 | W. | 6 | 12 | 10 | 0 | 10 | 17 | 3 | 1 | 9 | 0 | 18 | 6 | 7 | 6 | 5 | 5 | 3 | 1 | 0 | 1 | 1 | 10 | 1 | 0 |
| April | 15.2 | NE. | 48 | NW. | 4 | 12 | 15 | 3 | 3 | 16 | 1 | 1 | 9 | 0 | 11 | 4 | 15 | 9 | 8 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 3 | 0 |
| May | 15.4 | S. | 46 | S. | 5 | 6 | 8 | 5 | 9 | 24 | 1 | 2 | 7 | 0 | 16 | 9 | 6 | 9 | 7 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 7 | 0 |
| June | 12.5 | S. | 52 | NE. | 4 | 6 | 9 | 7 | 12 | 17 | 1 | 2 | 6 | 0 | 14 | 13 | 3 | 10 | 9 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 11 | 0 |
| July | 8.8 | S. | 34 | N. | 0 | 2 | 7 | 3 | 9 | 37 | 2 | 2 | 0 | 0 | 24 | 7 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 2 | 0 |
| August | 12.2 | S. | 36 | SW. | 0 | 3 | 8 | 4 | 10 | 32 | 3 | 1 | 1 | 0 | 18 | 10 | 3 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 6 | 0 |
| September | 13.2 | S. | 48 | S. | 3 | 11 | 4 | 2 | 4 | 34 | 1 | 1 | 3 | 0 | 14 | 15 | 1 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 6 | 0 |
| October | 13.9 | S. | 41 | NW. | 2 | 6 | 11 | 2 | 4 | 29 | 1 | 2 | 7 | 0 | 15 | 8 | 8 | 7 | 6 | 1 | 0 | 1 | 1 | 0 | 0 | 2 | 2 | 0 |
| November | 15.1 | S. | 51 | S. | 3 | 15 | 4 | 0 | 5 | 23 | 3 | 3 | 7 | 0 | 20 | 4 | 6 | 4 | 3 | 2 | 0 | 0 | 0 | 2 | 0 | 11 | 0 | 0 |
| December | 13.9 | S. | 42 | NW. | 1 | 14 | 4 | 4 | 9 | 14 | 6 | 3 | 8 | 0 | 13 | 10 | 8 | 5 | 2 | 6 | 3 | 0 | 1 | 8 | 0 | 25 | 1 | 0 |
| Year | 13.5 | S. | 52 | NE. | 32 | 129 | 99 | 38 | 81 | 271 | 29 | 21 | 64 | 0 | 187 | 99 | 80 | 81 | 59 | 37 | 17 | 6 | 5 | 35 | 58 | 98 | 41 | 0 |

### WILLISTON, N. DAK.

[$H_b$= 1,878 ft.; $h_t$= 41 ft.; $h_r$= 33 ft.; $h_a$= 48 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.1 | NW. | 32 | W. | 0 | 13 | 8 | 1 | 3 | 0 | 13 | 10 | 14 | 0 | 5 | 10 | 16 | 10 | 7 | 15 | 10 | 0 | 1 | 30 | 0 | 31 | 0 | 0 |
| February | 7.0 | NW. | 36 | NW. | 0 | 9 | 5 | 3 | 5 | 1 | 6 | 14 | 15 | 0 | 13 | 4 | 12 | 8 | 3 | 11 | 8 | 0 | 4 | 17 | 0 | 27 | 0 | 0 |
| March | 9.2 | SE. | 34 | SE. | 0 | 8 | 14 | 3 | 15 | 5 | 4 | 6 | 7 | 0 | 4 | 13 | 14 | 5 | 5 | 8 | 5 | 0 | 0 | 15 | 0 | 29 | 0 | 0 |
| April | 9.4 | NW. | 38 | NW. | 0 | 13 | 8 | 4 | 5 | 5 | 6 | 9 | 10 | 0 | 4 | 16 | 10 | 7 | 4 | 9 | 3 | 1 | 1 | 3 | 0 | 19 | 0 | 1 |
| May | 11.1 | W. | 48 | NW. | 3 | 9 | 12 | 5 | 7 | 3 | 4 | 17 | 5 | 0 | 6 | 14 | 11 | 10 | 9 | 2 | 1 | 0 | 0 | 0 | 0 | 5 | 4 | 0 |
| June | 10.7 | E. | 40 | NW. | 2 | 5 | 5 | 10 | 9 | 3 | 11 | 6 | 11 | 0 | 6 | 13 | 11 | 14 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| July | 8.7 | SE. | 42 | W. | 1 | 9 | 12 | 10 | 10 | 3 | 6 | 8 | 4 | 0 | 14 | 12 | 5 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 8 | 0 |
| August | 6.5 | SE. | 42 | W. | 1 | 10 | 10 | 4 | 9 | 12 | 5 | 7 | 5 | 0 | 13 | 15 | 3 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 7 | 1 |
| September | 9.0 | W. | 39 | W. | 0 | 7 | 6 | 5 | 7 | 3 | 12 | 12 | 8 | 0 | 12 | 11 | 7 | 7 | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 1 | 0 |
| October | 8.1 | W. | 36 | NW. | 0 | 7 | 6 | 3 | 7 | 10 | 8 | 11 | 10 | 0 | 7 | 9 | 15 | 4 | 3 | 6 | 3 | 0 | 1 | 1 | 0 | 24 | 0 | 0 |
| November | 7.9 | W. | 30 | NW. | 0 | 4 | 4 | 1 | 7 | 4 | 15 | 18 | 6 | 1 | 8 | 9 | 13 | 3 | 2 | 7 | 3 | 0 | 0 | 8 | 0 | 30 | 0 | 0 |
| December | 7.5 | SW. | 34 | NW. | 0 | 9 | 9 | 2 | 5 | 8 | 11 | 11 | 7 | 0 | 12 | 9 | 10 | 6 | 5 | 14 | 6 | 0 | 1 | 25 | 0 | 31 | 0 | 0 |
| Year | 8.6 | W. | 48 | NW. | 7 | 103 | 99 | 51 | 89 | 57 | 101 | 129 | 102 | 1 | 104 | 135 | 127 | 88 | 63 | 72 | 39 | 1 | 11 | 99 | 5 | 202 | 29 | 2 |

### WILMINGTON, N. C.

[$H_b$=78 ft.; $h_t$=81 ft.; $h_r$= 76 ft.; $h_a$=91 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 8.0 | SW. | 26 | NE. | 0 | 14 | 9 | 7 | 4 | 7 | 15 | 4 | 1 | 1 | 12 | 11 | 8 | 10 | 7 | 2 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 |
| February | 8.7 | W. | 27 | SW. | 0 | 11 | 8 | 3 | 0 | 3 | 15 | 14 | 4 | 0 | 14 | 6 | 9 | 11 | 8 | 0 | 0 | 0 | 3 | 1 | 0 | 6 | 2 | 0 |
| March | 9.4 | SW. | 30 | W. | 0 | 5 | 6 | 5 | 3 | 5 | 19 | 12 | 7 | 0 | 17 | 7 | 7 | 8 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 8 | 4 | 0 |
| April | 8.6 | SW. | 32 | SW. | 0 | 8 | 7 | 3 | 2 | 6 | 15 | 13 | 6 | 0 | 14 | 13 | 3 | 9 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| May | 8.5 | SW. | 27 | E. | 0 | 2 | 4 | 7 | 5 | 7 | 26 | 8 | 3 | 0 | 17 | 7 | 7 | 8 | 6 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 |
| June | 7.1 | SW. | 34 | N. | 0 | 2 | 12 | 3 | 1 | 11 | 19 | 11 | 1 | 0 | 9 | 13 | 8 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 |
| July | 7.3 | S. | 26 | E. | 0 | 4 | 8 | 7 | 7 | 15 | 18 | 3 | 0 | 0 | 4 | 14 | 13 | 14 | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 0 |
| August | 6.2 | SW. | 22 | W. | 0 | 7 | 11 | 1 | 5 | 10 | 15 | 12 | 1 | 0 | 11 | 14 | 6 | 11 | 11 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 11 | 0 |
| September | 7.0 | NE. | 26 | NE. | 0 | 9 | 19 | 7 | 4 | 7 | 8 | 5 | 1 | 0 | 15 | 7 | 8 | 8 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| October | 9.4 | NE. | 32 | NE. | 0 | 16 | 30 | 4 | 1 | 3 | 5 | 2 | 1 | 0 | 13 | 8 | 10 | 7 | 7 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |
| November | 6.6 | NE. | 29 | SW. | 0 | 15 | 14 | 6 | 3 | 3 | 10 | 5 | 4 | 0 | 18 | 5 | 7 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| December | 7.7 | W. | 38 | W. | 0 | 9 | 11 | 4 | 4 | 9 | 9 | 13 | 2 | 1 | 14 | 6 | 11 | 8 | 6 | 0 | 0 | 0 | 3 | 0 | 0 | 7 | 1 | 0 |
| Year | 7.9 | SW. | 38 | W. | 0 | 102 | 139 | 57 | 39 | 86 | 174 | 102 | 31 | 2 | 158 | 111 | 97 | 112 | 92 | 2 | 0 | 0 | 11 | 1 | 10 | 31 | 41 | 0 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

WINNEMUCCA, NEV.

[$\phi$=40° 58′ N.; $\lambda$=117° 43′ 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 | 25.428 | 26.070 | 24.600 | 18.5 | 26.2 | 32.8 | 11.4 | 22.1 | 51 | −15 | 15 | 21 | 84 | 78 | 0.091 | 0.111 | 2.21 | 0.59 | 6.1 | 7.7 | 7.1 |
| February | 25.687 | 26.050 | 25.120 | 30.9 | 43.8 | 47.5 | 27.2 | 37.4 | 57 | 6 | 27 | 31 | 86 | 62 | .149 | .172 | 1.44 | .61 | 3.8 | 6.2 | 5.6 |
| March | 25.638 | 26.010 | 25.041 | 32.7 | 54.7 | 58.8 | 29.5 | 44.2 | 75 | 18 | 27 | 25 | 79 | 36 | .146 | .137 | .62 | .47 | 4.2 | 5.2 | 4.7 |
| April | 25.622 | 25.940 | 25.330 | 35.1 | 61.6 | 65.2 | 32.8 | 49.0 | 80 | 24 | 26 | 23 | 68 | 24 | .137 | .121 | .19 | .15 | 4.7 | 4.6 | 4.2 |
| May | 25.542 | 25.800 | 25.157 | 36.4 | 62.0 | 65.8 | 34.8 | 50.3 | 84 | 20 | 28 | 26 | 70 | 28 | .153 | .141 | .49 | .18 | 3.4 | 3.7 | 3.6 |
| June | 25.575 | 25.780 | 25.340 | 45.4 | 74.3 | 79.3 | 43.9 | 61.6 | 98 | 29 | 29 | 27 | 53 | 18 | .157 | .147 | 0 | ..... | 1.7 | 3.0 | 1.7 |
| July | 25.582 | 25.800 | 25.339 | 51.5 | 84.1 | 88.4 | 50.2 | 69.3 | 100 | 36 | 33 | 30 | 50 | 15 | .188 | .169 | .01 | .01 | .9 | .7 | .8 |
| August | 25.597 | 25.820 | 25.370 | 49.0 | 81.3 | 86.4 | 46.5 | 66.4 | 96 | 30 | 31 | 32 | 51 | 18 | .180 | .181 | .11 | .06 | 1.6 | 1.9 | 1.7 |
| September | 25.625 | 25.870 | 25.250 | 42.0 | 74.0 | 79.3 | 38.9 | 59.1 | 92 | 26 | 28 | 28 | 58 | 20 | .157 | .154 | .26 | .26 | 1.4 | 1.7 | 1.4 |
| October | 25.658 | 26.024 | 25.230 | 32.3 | 53.3 | 60.3 | 29.5 | 44.9 | 74 | 18 | 27 | 29 | 81 | 42 | .153 | .164 | 1.42 | .68 | 1.9 | 2.9 | 2.8 |
| November | 25.768 | 26.130 | 25.300 | 20.7 | 40.0 | 49.4 | 16.7 | 33.0 | 74 | − 3 | 14 | 19 | 75 | 42 | .086 | .102 | .44 | .34 | 2.7 | 2.8 | 3.2 |
| December | 25.587 | 26.080 | 24.777 | 18.5 | 31.0 | 39.9 | 13.3 | 26.6 | 57 | − 8 | 13 | 18 | 78 | 58 | .083 | .100 | .26 | .20 | 5.5 | 6.3 | 6.2 |
| Year | 25.609 | 26.130 | 24.600 | 34.4 | 57.2 | 62.8 | 31.2 | 47.0 | 100 | −15 | 25 | 26 | 69 | 37 | .140 | .142 | 7.45 | .68 | 3.2 | 3.9 | 3.6 |

WYTHEVILLE, VA.

[$\phi$=36° 56′ N.; $\lambda$=81° 5′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 27.818 | 28.060 | 27.401 | 35.6 | 41.8 | 49.5 | 31.4 | 40.4 | 66 | 4 | 32 | 35 | 85 | 78 | 0.201 | 0.231 | 3.57 | 1.73 | 6.4 | 5.2 | 6.0 |
| February | 27.624 | 28.100 | 27.080 | 29.1 | 35.0 | 43.7 | 24.4 | 34.0 | 63 | 8 | 24 | 28 | 82 | 74 | .140 | .156 | 3.16 | 1.35 | 5.5 | 4.4 | 5.3 |
| March | 27.531 | 27.853 | 26.850 | 34.7 | 42.6 | 51.8 | 29.3 | 40.6 | 76 | 11 | 30 | 34 | 81 | 71 | .179 | .210 | 2.47 | 1.21 | 6.0 | 4.1 | 4.9 |
| April | 27.598 | 27.880 | 27.268 | 44.7 | 52.3 | 59.3 | 39.7 | 49.5 | 79 | 24 | 38 | 40 | 78 | 66 | .236 | .250 | 1.99 | .52 | 5.6 | 4.9 | 5.2 |
| May | 27.629 | 27.850 | 27.350 | 60.0 | 66.9 | 75.6 | 51.8 | 63.7 | 87 | 38 | 51 | 52 | 72 | 60 | .384 | .396 | 1.45 | 1.05 | 3.2 | 4.1 | 2.7 |
| June | 27.608 | 27.840 | 27.300 | 61.6 | 68.7 | 76.9 | 54.7 | 65.8 | 86 | 44 | 56 | 57 | 84 | 67 | .462 | .473 | 4.09 | 1.11 | 3.5 | 4.6 | 3.9 |
| July | 27.702 | 27.937 | 27.470 | 67.0 | 71.5 | 79.9 | 62.7 | 71.3 | 86 | 52 | 64 | 65 | 89 | 80 | .591 | .614 | 8.06 | 3.15 | 5.3 | 6.9 | 5.4 |
| August | 27.726 | 27.870 | 27.570 | 65.7 | 69.4 | 79.8 | 61.2 | 70.5 | 87 | 50 | 63 | 65 | 92 | 86 | .591 | .627 | 9.53 | 3.23 | 5.8 | 5.8 | 5.5 |
| September | 27.752 | 28.010 | 27.550 | 55.0 | 62.0 | 72.8 | 49.9 | 61.4 | 86 | 34 | 52 | 55 | 89 | 79 | .401 | .451 | 3.03 | 1.33 | 3.4 | 2.4 | 3.9 |
| October | 27.769 | 27.990 | 27.310 | 45.7 | 54.0 | 65.0 | 40.2 | 52.6 | 81 | 29 | 42 | 46 | 87 | 76 | .280 | .329 | 2.18 | .98 | 3.2 | 3.3 | 3.7 |
| November | 27.770 | 28.070 | 27.140 | 37.9 | 44.3 | 54.8 | 33.5 | 44.2 | 70 | 17 | 32 | 34 | 79 | 67 | .192 | .207 | .87 | .24 | 3.4 | 1.5 | 3.3 |
| December | 27.625 | 27.970 | 27.170 | 27.9 | 35.2 | 44.7 | 23.7 | 34.2 | 65 | 8 | 23 | 26 | 81 | 67 | .134 | .149 | 2.02 | .60 | 4.4 | 4.1 | 4.5 |
| Year | 27.679 | 28.100 | 26.850 | 47.1 | 53.6 | 62.8 | 41.9 | 52.4 | 87 | 4 | 42 | 45 | 83 | 73 | .316 | .341 | 42.42 | 3.23 | 4.6 | 4.3 | 4.5 |

YANKTON, S. DAK.

[$\phi$=42° 54′ N.; $\lambda$=97° 28′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 28.775 | 29.330 | 28.060 | 7.8 | ..... | 19.7 | 0.8 | 10.2 | 46 | −29 | 4 | ..... | 85 | ..... | 0.065 | ..... | 1.48 | 0.43 | 5.7 | ..... | 6.2 |
| February | 28.869 | 29.400 | 28.459 | 15.2 | ..... | 29.1 | 11.6 | 20.4 | 59 | −18 | 11 | ..... | 83 | ..... | .081 | ..... | .29 | .13 | 6.0 | ..... | 5.0 |
| March | 28.624 | 29.160 | 27.950 | 28.0 | ..... | 45.5 | 25.4 | 35.4 | 68 | −12 | 23 | ..... | 81 | ..... | .132 | ..... | .65 | .26 | 6.7 | ..... | 6.6 |
| April | 28.660 | 29.040 | 28.010 | 39.2 | ..... | 55.8 | 36.6 | 46.2 | 81 | 19 | 34 | ..... | 81 | ..... | .199 | ..... | 1.74 | .76 | 6.5 | ..... | 6.8 |
| May | 28.495 | 28.830 | 27.980 | 51.7 | ..... | 71.2 | 48.1 | 59.6 | 97 | 31 | 43 | ..... | 74 | ..... | .290 | ..... | 3.35 | 1.26 | 5.8 | ..... | 5.9 |
| June | 28.581 | 28.840 | 28.310 | 58.3 | ..... | 74.9 | 54.6 | 64.8 | 94 | 48 | 53 | ..... | 82 | ..... | .408 | ..... | 4.68 | 1.70 | 4.9 | ..... | 5.0 |
| July | 28.637 | 28.980 | 28.410 | 74.1 | ..... | 91.6 | 70.7 | 81.2 | 99 | 59 | 66 | ..... | 75 | ..... | .634 | ..... | 3.83 | 2.52 | 4.4 | ..... | 3.5 |
| August | 28.641 | 28.990 | 28.250 | 65.9 | ..... | 85.0 | 62.6 | 73.8 | 94 | 46 | 59 | ..... | 79 | ..... | .515 | ..... | 1.70 | .62 | 5.6 | ..... | 5.5 |
| September | 28.645 | 29.010 | 28.260 | 54.0 | ..... | 75.1 | 50.6 | 62.8 | 98 | 32 | 48 | ..... | 82 | ..... | .361 | ..... | 2.89 | 1.26 | 3.6 | ..... | 4.7 |
| October | 28.703 | 29.250 | 28.160 | 42.2 | ..... | 60.7 | 37.9 | 49.3 | 92 | 17 | 34 | ..... | 74 | ..... | .202 | ..... | .91 | .48 | 5.2 | ..... | 5.0 |
| November | 28.747 | 29.270 | 28.060 | 29.8 | ..... | 46.8 | 26.3 | 36.6 | 70 | − 2 | 23 | ..... | 74 | ..... | .127 | ..... | .39 | .19 | 4.5 | ..... | 4.3 |
| December | 28.635 | 29.200 | 28.050 | 12.0 | ..... | 27.4 | 6.0 | 16.7 | 64 | −20 | 7 | ..... | 81 | ..... | .069 | ..... | .49 | .32 | 4.7 | ..... | 5.5 |
| Year | 28.668 | 29.400 | 27.950 | 39.8 | ..... | 56.9 | 35.9 | 46.4 | 99 | −29 | 34 | ..... | 79 | ..... | .257 | ..... | 22.40 | 2.52 | 5.3 | ..... | 5.3 |

YELLOWSTONE PARK, WYO.

[$\phi$=44° 58′ N.; $\lambda$=110° 42′ W.]

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 23.642 | 24.090 | 23.220 | 6.7 | 7.5 | 15.4 | −2.0 | 6.7 | 36 | −31 | 1 | 3 | 76 | 79 | 0.058 | 0.058 | 2.60 | 0.52 | 6.3 | 7.7 | 7.2 |
| February | 23.883 | 24.310 | 23.396 | 19.7 | 28.4 | 35.5 | 13.2 | 24.4 | 49 | − 9 | 14 | 18 | 75 | 63 | .083 | .099 | .59 | .18 | 5.3 | 5.6 | 5.0 |
| March | 23.808 | 24.170 | 23.250 | 28.0 | 35.4 | 40.7 | 24.0 | 32.4 | 57 | − 7 | 19 | 22 | 69 | 60 | .108 | .123 | 1.46 | .50 | 6.8 | 7.7 | 6.6 |
| April | 23.845 | 24.080 | 23.550 | 29.7 | 44.7 | 50.2 | 26.7 | 38.4 | 66 | 17 | 33 | 25 | 73 | 47 | .120 | .131 | 1.05 | .34 | 7.0 | 6.0 | 5.6 |
| May | 23.775 | 23.960 | 23.440 | 31.6 | 44.9 | 51.2 | 28.8 | 40.0 | 71 | 18 | 24 | 27 | 74 | 55 | .133 | .151 | 2.23 | .55 | 5.8 | 7.4 | 6.4 |
| June | 23.877 | 24.073 | 23.630 | 39.7 | 59.7 | 63.9 | 37.1 | 50.5 | 80 | 29 | 32 | 32 | 74 | 39 | .184 | .184 | 2.36 | .99 | 3.5 | 5.6 | 4.8 |
| July | 23.952 | 24.180 | 23.647 | 48.0 | 72.3 | 76.8 | 46.8 | 61.8 | 88 | 40 | 38 | 40 | 68 | 35 | .231 | .258 | 1.94 | .67 | 1.7 | 4.1 | 2.9 |
| August | 23.963 | 24.214 | 23.620 | 44.4 | 68.6 | 73.9 | 42.2 | 58.0 | 84 | 32 | 36 | 37 | 72 | 34 | .210 | .224 | .70 | .46 | 1.9 | 3.8 | 3.5 |
| September | 23.930 | 24.270 | 23.590 | 37.2 | 57.8 | 64.0 | 34.0 | 49.0 | 80 | 21 | 27 | 28 | 66 | 35 | .146 | .157 | .71 | .36 | 2.5 | 4.6 | 4.4 |
| October | 23.914 | 24.170 | 23.410 | 28.9 | 38.4 | 45.5 | 25.2 | 35.4 | 65 | 7 | 22 | 26 | 76 | 64 | .120 | .143 | 3.47 | .93 | 5.3 | 5.7 | 5.8 |
| November | 23.940 | 24.290 | 23.350 | 18.6 | 26.3 | 33.6 | 13.3 | 23.4 | 59 | −20 | 11 | 16 | 72 | 63 | .075 | .091 | .69 | .20 | 4.2 | 5.6 | 5.9 |
| December | 23.684 | 24.060 | 23.210 | 10.2 | 14.1 | 20.6 | 3.8 | 12.2 | 45 | −14 | 6 | 8 | 82 | 75 | .060 | .065 | 2.47 | .63 | 5.5 | 7.1 | 7.5 |
| Year | 23.851 | 24.310 | 23.210 | 28.6 | 41.5 | 47.6 | 24.4 | 36.0 | 88 | −31 | 21 | 24 | 73 | 54 | .127 | .140 | 20.27 | .99 | 4.6 | 5.9 | 5.5 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

WINNEMUCCA, NEV.

[$H_b$=4,344 ft.; $h_t$=18 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. | Days with 40 miles and over. | 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. T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | Maximum temp. 32° or below. | 90° or above. | Minimum temperature 32° or below. | Electricity. Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 8.5 | SW. | 42 | SW. | 1 | 2 | 17 | 5 | 0 | 8 | 20 | 10 | 0 | 0 | 5 | 9 | 17 | 15 | 12 | 18 | 13 | 0 | 0 | 16 | 0 | 31 | 0 | 0 |
| February | 7.6 | NE. | 25 | SW. | 0 | 1 | 21 | 8 | 0 | 2 | 20 | 5 | 1 | 0 | 11 | 5 | 13 | 10 | 8 | 6 | 6 | 0 | 0 | 2 | 0 | 24 | 0 | 0 |
| March | 8.1 | SW. | 35 | NW. | 0 | 1 | 14 | 1 | 0 | 0 | 23 | 17 | 6 | 0 | 14 | 7 | 10 | 6 | 2 | 4 | 4 | 1 | 0 | 0 | 0 | 21 | 0 | 0 |
| April | 7.2 | SW. | 34 | SW. | 0 | 4 | 16 | 2 | 1 | 2 | 15 | 15 | 5 | 0 | 17 | 4 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 |
| May | 6.8 | SW. | 48 | SW. | 1 | 3 | 12 | 2 | 0 | 2 | 22 | 8 | 13 | 0 | 19 | 5 | 7 | 4 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 10 | 1 | 0 |
| June | 6.6 | NE. | 29 | NW. | 0 | 5 | 19 | 1 | 0 | 0 | 19 | 4 | 12 | 0 | 24 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 |
| July | 6.2 | SW. | 35 | S. | 0 | 1 | 16 | 0 | 0 | 1 | 23 | 8 | 13 | 0 | 28 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 |
| August | 5.3 | NE. | 27 | SW. | 0 | 5 | 21 | 1 | 0 | 4 | 14 | 7 | 10 | 0 | 24 | 5 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 12 | 1 | 1 | 0 |
| September | 5.5 | NE. | 28 | SW. | 0 | 2 | 18 | 1 | 1 | 2 | 18 | 5 | 13 | 0 | 27 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 1 | 0 |
| October | 6.0 | NE. | 27 | SW. | 0 | 3 | 26 | 3 | 2 | 0 | 19 | 5 | 4 | 0 | 21 | 4 | 6 | 8 | 8 | 2 | 2 | 0 | 0 | 0 | 0 | 18 | 1 | 0 |
| November | 6.4 | NE. | 33 | SW. | 0 | 3 | 27 | 5 | 1 | 3 | 15 | 3 | 3 | 0 | 18 | 4 | 8 | 5 | 3 | 3 | 1 | 0 | 0 | 3 | 0 | 30 | 0 | 0 |
| December | 8.2 | SW. | 48 | SW. | 3 | 0 | 19 | 1 | 0 | 0 | 27 | 11 | 4 | 0 | 8 | 10 | 13 | 6 | 1 | 10 | 6 | 0 | 0 | 8 | 0 | 28 | 0 | 0 |
| Year | 6.9 | SW. | 48 | SW. | 5 | 30 | 226 | 30 | 5 | 24 | 235 | 98 | 84 | 0 | 216 | 61 | 89 | 61 | 42 | 46 | 34 | 1 | 0 | 29 | 32 | 184 | 4 | 0 |

WYTHEVILLE, VA.

[$H_b$=2,304 ft.; $h_t$=49 ft.; $h_r$=40 ft.; $h_a$=55 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 6.9 | W. | 32 | SW. | 0 | 3 | 5 | 12 | 2 | 0 | 7 | 25 | 7 | 1 | 8 | 9 | 14 | 13 | 12 | 2 | 1 | 0 | 3 | 4 | 0 | 18 | 0 | 0 |
| February | 9.0 | W. | 40 | NW. | 1 | 2 | 1 | 7 | 1 | 0 | 4 | 30 | 13 | 0 | 12 | 5 | 12 | 11 | 9 | 7 | 6 | 0 | 0 | 7 | 0 | 23 | 0 | 0 |
| March | 9.6 | W. | 42 | W. | 1 | 3 | 2 | 6 | 1 | 3 | 5 | 30 | 8 | 4 | 11 | 13 | 7 | 14 | 11 | 3 | 3 | 1 | 0 | 1 | 0 | 16 | 2 | 0 |
| April | 7.9 | W. | 38 | NW. | 0 | 2 | 0 | 9 | 1 | 3 | 3 | 29 | 11 | 2 | 9 | 10 | 11 | 12 | 9 | 3 | 3 | 0 | 0 | 0 | 0 | 4 | 1 | 0 |
| May | 6.6 | W. | 32 | NW. | 0 | 2 | 4 | 10 | 2 | 0 | 5 | 21 | 13 | 5 | 21 | 7 | 3 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| June | 5.0 | W. | 27 | SW. | 0 | 6 | 2 | 8 | 2 | 2 | 6 | 26 | 8 | 0 | 15 | 11 | 4 | 13 | 10 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 9 | 0 |
| July | 4.7 | E. | 26 | E. | 0 | 2 | 3 | 18 | 5 | 5 | 8 | 10 | 8 | 3 | 7 | 14 | 10 | 16 | 14 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 7 | 0 |
| August | 4.4 | W. | 23 | W. | 0 | 4 | 5 | 8 | 1 | 1 | 6 | 23 | 12 | 2 | 7 | 15 | 9 | 16 | 9 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 9 | 0 |
| September | 4.3 | NW. | 23 | SW. | 0 | 3 | 6 | 8 | 2 | 0 | 6 | 14 | 16 | 5 | 15 | 10 | 5 | 8 | 7 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 |
| October | 5.0 | NW. | 29 | W. | 0 | 7 | 6 | 7 | 1 | 0 | 6 | 12 | 15 | 8 | 16 | 8 | 7 | 9 | 7 | 0 | 0 | 0 | 4 | 0 | 0 | 7 | 1 | 0 |
| November | 7.1 | W. | 35 | W. | 0 | 0 | 4 | 7 | 0 | 2 | 6 | 23 | 18 | 0 | 17 | 7 | 6 | 9 | 6 | 1 | 1 | 0 | 3 | 1 | 0 | 14 | 0 | 0 |
| December | 7.4 | W. | 41 | W. | 2 | 0 | 8 | 4 | 0 | 0 | 3 | 35 | 11 | 1 | 15 | 6 | 10 | 12 | 9 | 6 | 3 | 0 | 1 | 6 | 0 | 28 | 0 | 0 |
| Year | 6.5 | W. | 42 | W. | 4 | 34 | 46 | 104 | 18 | 16 | 65 | 278 | 140 | 31 | 153 | 115 | 98 | 139 | 108 | 22 | 17 | 1 | 23 | 19 | 0 | 110 | 34 | 0 |

YANKTON, S. DAK.

[$H_b$=1,233 ft.; $h_t$=49 ft.; $h_r$=42 ft.; $h_a$=57 ft.]

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 10.0 | NW. | 30 | NW. | 0 | 2 | 4 | 2 | 3 | 3 | 1 | 5 | 11 | 0 | 7 | 15 | 9 | 9 | 6 | 13 | 8 | 0 | 1 | 20 | 0 | 30 | 0 | 0 |
| February | 8.3 | NW. | 33 | NW. | 0 | 2 | 2 | 4 | 2 | 1 | 1 | 4 | 12 | 1 | 12 | 10 | 7 | 5 | 4 | 10 | 5 | 0 | 2 | 16 | 0 | 27 | 0 | 0 |
| March | 9.6 | NW. | 38 | NW. | 0 | 6 | 1 | 2 | 8 | 1 | 1 | 2 | 8 | 2 | 5 | 11 | 15 | 10 | 5 | 6 | 4 | 0 | 0 | 6 | 0 | 23 | 0 | 0 |
| April | 9.9 | NW. | 34 | S. | 0 | 3 | 4 | 3 | 1 | 1 | 1 | 3 | 13 | 1 | 5 | 11 | 14 | 11 | 8 | 4 | 3 | 0 | 0 | 0 | 0 | 10 | 2 | 0 |
| May | 9.8 | W. | 44 | NW. | 1 | 1 | 2 | 4 | 5 | 2 | 3 | 7 | 7 | 0 | 7 | 15 | 9 | 11 | 9 | 1 | 1 | 0 | 0 | 0 | 3 | 1 | 8 | 0 |
| June | 8.2 | NW. | 31 | NW. | 0 | 2 | 0 | 4 | 7 | 0 | 0 | 6 | 9 | 2 | 11 | 13 | 6 | 11 | 8 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 10 | 0 |
| July | 6.9 | S. | 36 | SW. | 0 | 3 | 4 | 3 | 5 | 9 | 3 | 2 | 2 | 0 | 17 | 12 | 2 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 10 | 0 |
| August | 6.9 | E. | 28 | S. | 0 | 3 | 0 | 9 | 4 | 3 | 4 | 2 | 2 | 4 | 7 | 17 | 7 | 8 | 5 | 0 | 0 | 0 | 1 | 0 | 11 | 0 | 8 | 1 |
| September | 7.9 | SE. | 36 | NW. | 0 | 2 | 2 | 0 | 7 | 5 | 4 | 3 | 4 | 3 | 10 | 15 | 5 | 9 | 5 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 7 | 0 |
| October | 8.4 | W. | 29 | NW. | 0 | 1 | 4 | 2 | 2 | 5 | 3 | 7 | 6 | 1 | 12 | 11 | 8 | 7 | 5 | 3 | 3 | 0 | 0 | 1 | 1 | 8 | 1 | 0 |
| November | 7.5 | W. | 36 | S. | 0 | 5 | 1 | 2 | 0 | 0 | 1 | 12 | 7 | 2 | 16 | 8 | 6 | 3 | 3 | 3 | 2 | 0 | 0 | 5 | 0 | 21 | 0 | 0 |
| December | 8.5 | NW. | 32 | NW. | 0 | 3 | 1 | 3 | 1 | 3 | 1 | 7 | 10 | 2 | 11 | 8 | 12 | 8 | 3 | 10 | 7 | 0 | 0 | 21 | 0 | 27 | 0 | 0 |
| Year | 8.5 | NW. | 44 | NW. | 1 | 33 | 25 | 38 | 45 | 33 | 23 | 60 | 91 | 18 | 120 | 146 | 100 | 101 | 66 | 50 | 33 | 1 | 7 | 69 | 37 | 147 | 46 | 1 |

YELLOWSTONE PARK, WYO.

[$H_b$=6,200 ft.; $h_t$=11 ft.; $h_r$=4 ft.; $h_a$=48 ft.

| Month. | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| January | 9.6 | S. | 37 | S. | 0 | 9 | 2 | 2 | 6 | 31 | 9 | 0 | 2 | 1 | 4 | 7 | 20 | 17 | 12 | 20 | 17 | 0 | 0 | 26 | 0 | 31 | 0 | 0 |
| February | 8.6 | S. | 34 | S. | 0 | 4 | 0 | 0 | 6 | 14 | 23 | 4 | 7 | 0 | 10 | 11 | 8 | 11 | 7 | 16 | 11 | 0 | 0 | 10 | 0 | 28 | 0 | 0 |
| March | 12.3 | S. | 40 | S. | 1 | 1 | 0 | 0 | 6 | 19 | 18 | 1 | 16 | 1 | 6 | 12 | 13 | 14 | 9 | 12 | 10 | 0 | 0 | 5 | 0 | 20 | 0 | 0 |
| April | 7.8 | NW. | 38 | S. | 0 | 5 | 1 | 1 | 0 | 17 | 9 | 5 | 22 | 0 | 9 | 10 | 11 | 10 | 8 | 11 | 8 | 0 | 0 | 0 | 0 | 26 | 0 | 0 |
| May | 8.3 | S. | 49 | S. | 2 | 6 | 1 | 0 | 4 | 22 | 11 | 3 | 14 | 1 | 6 | 10 | 15 | 14 | 11 | 12 | 10 | 0 | 0 | 0 | 0 | 22 | 2 | 0 |
| June | 6.6 | S. | 34 | S. | 0 | 4 | 1 | 0 | 3 | 19 | 16 | 4 | 13 | 0 | 12 | 11 | 7 | 13 | 9 | 7 | 4 | 1 | 0 | 0 | 0 | 8 | 6 | 0 |
| July | 7.5 | S. | 36 | S. | 0 | 1 | 0 | 0 | 1 | 32 | 22 | 0 | 6 | 0 | 22 | 5 | 4 | 8 | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 8 | 0 |
| August | 6.7 | SW. | 35 | SW. | 0 | 2 | 2 | 0 | 2 | 14 | 24 | 6 | 12 | 0 | 16 | 13 | 2 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 1 |
| September | 7.7 | S. | 42 | SW. | 1 | 2 | 0 | 0 | 0 | 15 | 21 | 8 | 14 | 0 | 12 | 10 | 8 | 8 | 7 | 3 | 3 | 0 | 0 | 0 | 0 | 13 | 5 | 0 |
| October | 7.5 | S. | 46 | NW. | 1 | 7 | 5 | 0 | 0 | 21 | 14 | 4 | 11 | 0 | 10 | 8 | 13 | 11 | 9 | 11 | 11 | 0 | 0 | 4 | 0 | 27 | 1 | 0 |
| November | 8.9 | S. | 38 | S. | 0 | 2 | 2 | 0 | 1 | 30 | 14 | 3 | 8 | 0 | 10 | 7 | 13 | 13 | 6 | 16 | 13 | 0 | 0 | 11 | 0 | 28 | 0 | 0 |
| December | 7.6 | S. | 34 | S. | 0 | 2 | 1 | 3 | 4 | 29 | 11 | 2 | 10 | 0 | 4 | 8 | 19 | 15 | 11 | 21 | 15 | 0 | 0 | 26 | 0 | 31 | 0 | 0 |
| Year | 8.3 | S. | 49 | S. | 5 | 45 | 15 | 6 | 33 | 263 | 192 | 40 | 135 | 3 | 121 | 112 | 133 | 142 | 100 | 129 | 102 | 3 | 0 | 82 | 0 | 235 | 29 | 1 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

YUMA, ARIZ.

[$\phi$=32° 45′ N.; $\lambda$=114° 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 | 29.856 | 30.380 | 29.420 | 45.1 | 60.6 | 64.0 | 42.8 | 53.4 | 72 | 28 | 36 | 39 | 73 | 47 | 0.226 | 0.253 | 0.52 | 0.24 | 2.0 | 3.8 | 3.2 |
| February | 29.892 | 30.450 | 29.638 | 52.6 | 74.1 | 77.1 | 51.1 | 64.1 | 86 | 35 | 38 | 40 | 61 | 30 | .239 | .252 | T. | T. | 1.1 | 2.4 | 1.7 |
| March | 29.799 | 30.100 | 29.492 | 57.7 | 81.5 | 84.6 | 55.1 | 69.8 | 100 | 39 | 39 | 39 | 54 | 25 | .250 | .253 | .24 | .22 | 1.1 | 1.6 | 1.1 |
| April | 29.710 | 30.040 | 29.405 | 57.7 | 87.8 | 89.5 | 56.4 | 73.0 | 101 | 47 | 41 | 41 | 58 | 20 | .268 | .259 | .01 | .01 | .7 | .7 | .6 |
| May | 29.625 | 29.830 | 29.420 | 58.4 | 92.3 | 93.8 | 57.2 | 75.5 | 103 | 50 | 43 | 40 | 59 | 17 | .285 | .256 | 0 | 0 | .3 | .4 | .3 |
| June | 29.574 | 29.780 | 29.330 | 67.3 | 102.6 | 104.5 | 66.2 | 85.4 | 116 | 56 | 48 | 47 | 54 | 16 | .352 | .325 | 0 | 0 | .2 | .2 | .1 |
| July | 29.571 | 29.740 | 29.365 | 76.7 | 102.3 | 105.3 | 75.1 | 90.2 | 113 | 65 | 64 | 60 | 66 | 28 | .611 | .538 | .92 | .92 | 1.7 | 1.6 | 1.6 |
| August | 29.603 | 29.810 | 29.413 | 76.7 | 99.4 | 103.7 | 75.1 | 89.4 | 109 | 64 | 64 | 59 | 68 | 28 | .641 | .522 | .02 | .02 | 2.0 | 2.2 | 2.1 |
| September | 29.633 | 29.830 | 29.375 | 71.6 | 93.8 | 99.0 | 69.0 | 84.0 | 109 | 59 | 59 | 55 | 67 | 29 | .530 | .458 | .01 | .01 | 2.3 | 2.3 | 2.2 |
| October | 29.747 | 30.080 | 29.556 | 56.0 | 78.2 | 84.0 | 53.0 | 68.5 | 95 | 46 | 40 | 39 | 58 | 26 | .255 | .244 | 0 | 0 | .3 | .3 | .2 |
| November | 29.893 | 30.190 | 29.622 | 48.0 | 68.0 | 75.2 | 44.7 | 60.0 | 90 | 36 | 27 | 28 | 48 | 22 | .157 | .163 | 0 | 0 | .2 | .6 | .6 |
| December | 29.885 | 30.350 | 29.370 | 40.6 | 58.8 | 63.6 | 37.7 | 50.6 | 77 | 30 | 25 | 27 | 57 | 32 | .145 | .162 | .73 | .46 | .2 | 1.9 | 1.8 |
| Year | 29.732 | 30.450 | 29.330 | 59.0 | 83.3 | 87.0 | 57.0 | 72.0 | 116 | 28 | 44 | 43 | 60 | 27 | .330 | .307 | 2.45 | .92 | 1.0 | 1.5 | 1.3 |

*Annual meteorological summary for the year ending December 31, 1916*—Continued.

YUMA, ARIZ.

[$H_b$=141ft.; $h_t$=9 ft.; $h_r$=2 ft.; $h_a$=54 ft.]

| Month. | Wind. | | | | | | | | | | | | | | Number of days. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | By self-register. | | | | | Number of winds, 8 a. m. and 8 p. m. | | | | | | | | | | | | Precipitation. | | Snow. | | | | Maximum temp. | | | Electricity. | |
| | Average hourly velocity. | Prevailing direction. | Maximum velocity. | Direction at time of maximum velocity. | Days with 40 miles and over. | North. | Northeast. | East. | Southeast. | South. | Southwest. | West. | Northwest. | Calm. | Clear. | Partly cloudy. | Cloudy. | 0.01 inch and over. | 0.04 inch and over. | T. or more. | 0.01 inch or more melted. | Hail. | Dense fog. | 32° or below. | 90° or above. | Minimum temperature 32° or below. | Thunderstorms. | Auroras. |
| | *Miles* | | *Mi.* | | | | | | | | | | | | | | | | | | | | | | | | | |
| January | 6.1 | NE. | 39 | S. | 0 | 6 | 13 | 6 | 7 | 2 | 6 | 11 | 11 | 0 | 20 | 5 | 6 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| February | 5.8 | N. | 23 | N. | 0 | 26 | 10 | 1 | 0 | 3 | 2 | 9 | 7 | 0 | 23 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| March | 6.3 | N. | 40 | W. | 1 | 18 | 9 | 2 | 2 | 2 | 10 | 10 | 9 | 0 | 27 | 3 | 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 |
| April | 5.8 | W. | 28 | N. | 0 | 8 | 8 | 3 | 3 | 8 | 13 | 15 | 2 | 0 | 28 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 |
| May | 5.4 | W. | 27 | W. | 0 | 2 | 4 | 1 | 2 | 5 | 20 | 20 | 7 | 1 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 |
| June | 5.2 | W. | 27 | W. | 0 | 3 | 2 | 1 | 1 | 6 | 19 | 23 | 5 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 |
| July | 5.7 | SW. | 35 | E. | 0 | 2 | 1 | 3 | 8 | 16 | 14 | 16 | 1 | 1 | 26 | 4 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 2 | 0 |
| August | 4.7 | SW. | 26 | NW. | 0 | 5 | 8 | 2 | 5 | 10 | 16 | 12 | 3 | 1 | 23 | 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 3 | 0 |
| September | 4.7 | SW. | 25 | SW. | 0 | 3 | 9 | 4 | 5 | 5 | 12 | 15 | 7 | 0 | 23 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 2 | 0 |
| October | 5.1 | W. | 20 | NW. | 0 | 17 | 7 | 0 | 1 | 6 | 5 | 19 | 7 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| November | 6.1 | N. | 33 | N. | 0 | 29 | 14 | 1 | 0 | 1 | 2 | 5 | 8 | 0 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| December | 5.8 | N. | 27 | N. | 0 | 28 | 8 | 3 | 3 | 3 | 1 | 10 | 6 | 0 | 25 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 |
| Year | 5.6 | W. | 40 | W. | 1 | 147 | 93 | 27 | 37 | 67 | 120 | 165 | 73 | 3 | 315 | 37 | 14 | 15 | 8 | 0 | 0 | 0 | 0 | 0 | 177 | 7 | 7 | 0 |

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# PART IV.

## MONTHLY AND ANNUAL PRECIPITATION, 1916 (ALL STATIONS)—MONTHLY AND SEASONAL SNOWFALL, SEASON 1916–1917 (SELECTED STATIONS).

The precipitation values given in the following tables have been taken largely from the records of unpaid cooperating observers. 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 1916–17 are given for selected stations in the United States and Canada.

*Monthly and annual precipitation for 1916.*

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Alabama.* | | | | | | | | | | | | | |
| Alaga | 2.28 | 2.18 | 1.30 | 2.22 | 2.85 | 6.64 | 29.83 | 1.47 | 2.01 | 1.14 | 1.87 | 5.10 | 58.89 |
| Anniston | 4.11 | 4.04 | 2.22 | 2.71 | 4.28 | 1.71 | 16.25 | 3.68 | 2.38 | 1.38 | 2.71 | 3.31 | 48.78 |
| Asheville | 4.94 | 2.41 | 2.05 | 3.20 | 3.20 | 2.20 | 15.88 | 2.70 | 3.00 | 1.40 | 1.40 | 3.61 | 45.99 |
| Auburn | 2.21 | 4.40 | 2.19 | 1.69 | 1.80 | 3.38 | 15.73 | 3.27 | 2.26 | 1.56 | 5.68 | 4.28 | 48.45 |
| Bay Minette | 3.59 | 2.80 | 1.80 | 8.00 | 5.20 | 1.58 | 27.65 | 6.71 | 9.11 | 4.65 | 1.79 | 4.80 | 77.68 |
| Benton | 3.53 | 10.14 | 4.17 | 5.14 | 2.37 | 2.05 | 14.39 | 4.84 | 2.06 | 0.95 | 2.94 | 2.87 | 55.45 |
| Bermuda | 3.61 | 4.03 | 8.00 | 3.73 | 5.01 | 4.31 | 18.35 | 1.57 | 2.25 | 1.35 | 2.13 | ..... | ..... |
| Birmingham | 5.40 | 3.23 | 3.01 | 2.14 | 5.85 | 2.02 | 20.12 | 3.51 | 2.63 | 0.83 | 2.61 | 3.70 | 55.05 |
| Bridgeport | 5.71 | 3.24 | 3.50 | 2.55 | 2.76 | 6.60 | 7.25 | 2.05 | 0.89 | 2.37 | 2.41 | 5.78 | 45.11 |
| Calera | 3.30 | 5.42 | 2.95 | 3.48 | 4.32 | 3.19 | 18.52 | 5.87 | 2.32 | 2.75 | 2.58 | 1.45 | 56.15 |
| Camp Hill | 2.67 | 3.48 | 0.88 | 1.17 | 1.29 | 3.73 | 15.92 | 1.50 | 1.67 | 2.00 | 3.07 | 3.98 | 41.36 |
| Citronelle | 3.98 | 3.82 | 3.72 | 6.42 | 4.84 | 2.22 | 17.14 | 4.18 | 4.00 | 1.15 | 4.19 | 6.39 | 62.05 |
| Clanton | 3.03 | 5.83 | 4.18 | 2.06 | 4.66 | 2.27 | 27.08 | 2.21 | 1.36 | 1.23 | 2.89 | 4.20 | 61.00 |
| Cochrane | 5.90 | 3.80 | 3.70 | 3.52 | 5.25 | 3.43 | 16.63 | 1.00 | 0.00 | 0.60 | 2.20 | 4.60 | 50.63 |
| Cordova | 3.63 | 1.49 | 2.90 | 3.65 | 4.33 | 2.83 | 20.70 | 1.87 | 1.98 | 1.49 | 3.68 | 5.66 | 54.21 |
| Dadeville | 1.50 | 4.74 | 2.55 | 1.60 | 1.92 | 3.33 | 15.47 | 3.13 | 2.35 | 2.10 | 2.63 | 3.29 | 44.61 |
| Daphne | 3.39 | 2.63 | 2.49 | 6.67 | 6.85 | 2.01 | ..... | 6.25 | 3.31 | 4.00 | ..... | 5.23 | ..... |
| Decatur | 4.57 | 2.88 | 2.60 | 3.30 | 4.61 | 4.72 | 11.67 | 2.42 | 0.37 | 1.31 | 1.97 | 4.74 | 45.16 |
| Demopolis | 4.35 | 4.04 | 2.06 | 3.82 | 5.84 | 1.35 | 14.04 | 2.24 | 2.81 | 0.53 | 2.81 | 2.93 | 46.82 |
| Eufaula | 2.20 | 3.67 | 2.53 | 2.22 | 3.62 | 3.16 | 19.84 | 3.54 | 0.81 | 1.58 | 1.75 | 4.21 | 49.13 |
| Evergreen | 3.00 | 4.27 | 3.48 | 2.61 | 5.97 | 3.50 | 21.54 | 3.81 | 1.79 | 1.74 | 3.26 | 5.90 | 60.87 |
| Flomaton | 4.80 | 2.57 | 3.23 | 3.27 | 4.26 | 1.59 | ..... | 6.92 | 2.58 | 2.05 | 2.93 | 4.25 | ..... |
| Florence | 5.28 | 5.50 | 2.63 | 3.25 | 5.22 | 4.82 | 14.60 | 5.21 | 0.55 | 1.68 | 1.78 | 6.40 | 56.92 |
| Fort Deposit | 1.87 | 4.30 | 2.78 | 2.45 | 4.09 | 3.07 | 14.53 | 5.17 | 1.37 | 2.01 | 3.11 | 3.58 | 48.33 |
| Gadsden | 4.27 | 4.32 | 2.35 | 3.21 | 5.74 | 5.24 | 17.57 | 0.85 | 4.37 | 1.85 | 2.71 | 3.95 | 56.43 |
| Goodwater | 4.04 | 5.85 | 2.98 | 2.44 | 4.49 | 2.91 | 18.75 | 3.81 | 3.97 | 2.12 | 3.36 | 3.69 | 58.41 |
| Greensboro | 4.95 | 3.01 | 2.34 | 3.77 | 5.17 | 0.90 | 17.28 | 2.40 | 0.90 | 0.56 | 3.01 | 3.34 | 47.63 |
| Greenville | 2.80 | 4.94 | 4.10 | 2.99 | 4.22 | 3.44 | 13.85 | 5.14 | 1.96 | 1.96 | 4.21 | 5.05 | 54.66 |
| Guntersville | 5.13 | 3.72 | 2.37 | 3.22 | 4.75 | 5.65 | 13.28 | 2.35 | 1.00 | 1.88 | 2.96 | 4.40 | 50.71 |
| Hamilton | 6.31 | 2.11 | 3.75 | 3.24 | 4.50 | 3.54 | 11.47 | 1.91 | 2.02 | 1.39 | 1.68 | 6.23 | 48.15 |
| Healing Springs | 4.16 | 3.16 | 7.18 | 2.90 | 6.63 | 1.91 | 27.52 | 2.85 | 2.27 | 1.10 | 3.23 | 4.15 | 67.06 |
| Highland Home | 1.82 | 4.32 | 3.25 | 2.78 | 3.93 | 2.69 | 12.38 | 4.86 | 1.43 | 3.73 | 3.03 | 3.73 | 47.95 |
| Livingston | 5.57 | 3.60 | 2.10 | 2.65 | 6.48 | 2.02 | 13.50 | 3.15 | 0.87 | 0.23 | 3.09 | ..... | ..... |
| Lock No. 4 | 4.68 | 5.02 | 2.41 | 3.20 | 4.02 | 2.21 | 16.14 | 4.88 | 2.72 | 0.95 | 3.01 | 3.52 | 52.76 |
| Madison | 6.91 | 2.16 | 2.39 | 2.46 | ..... | ..... | ..... | ..... | ..... | 1.42 | 1.67 | ..... | ..... |
| Maple Grove | 4.79 | 2.60 | 2.27 | 2.48 | 7.09 | 5.12 | 14.03 | 4.47 | 2.33 | 1.70 | 2.73 | 4.57 | 54.18 |
| Mentone | 4.64 | 3.58 | 2.85 | 2.45 | 4.90 | 4.39 | 13.83 | 2.15 | 2.38 | 2.88 | 3.11 | 3.44 | 50.60 |
| Milstead | 3.00 | 4.91 | 2.32 | 1.77 | 2.34 | 3.52 | 14.98 | 2.97 | 1.51 | 2.29 | 3.84 | 5.18 | 48.63 |
| Mobile | 3.06 | 3.20 | 2.69 | 6.64 | 6.08 | 5.42 | 20.50 | 5.46 | 6.68 | 2.52 | 2.61 | 6.68 | 71.54 |
| Montgomery | 3.63 | 4.84 | 2.54 | 2.23 | 2.99 | 2.81 | 13.34 | 3.28 | 1.66 | 1.75 | 3.24 | 3.89 | 46.20 |
| Oneonta | 6.71 | 2.30 | 2.34 | 3.22 | 4.66 | 3.30 | 15.65 | 2.26 | 2.54 | 1.04 | 2.77 | 5.42 | 52.21 |
| Opelika | 3.00 | 3.91 | 2.39 | 1.88 | 1.52 | 3.58 | 12.94 | 2.50 | 2.43 | 1.92 | 4.78 | 3.92 | 44.77 |
| Ozark | 2.85 | 7.70 | 2.78 | 2.43 | 3.99 | 3.92 | 19.25 | 2.92 | 2.53 | 1.37 | 1.96 | 4.81 | 56.51 |
| Prattville | 4.54 | 4.43 | 3.66 | 2.25 | 1.82 | 2.07 | 15.10 | 6.05 | 1.39 | 1.43 | 3.22 | 3.44 | 49.40 |
| Pushmataha | 6.71 | 4.03 | 2.33 | 3.14 | 5.32 | 1.78 | 16.66 | 1.79 | 1.58 | 0.54 | 2.36 | 3.57 | 49.81 |
| Riverton | 6.16 | 3.56 | 3.64 | 4.31 | 5.38 | 3.04 | 10.71 | 2.64 | 1.86 | 1.54 | 2.45 | 4.70 | 49.99 |
| Robertsdale | 3.40 | 1.68 | 2.26 | 4.88 | 5.96 | 8.03 | 34.86 | 8.99 | 4.59 | 5.00 | 2.52 | 8.78 | 90.95 |
| Scottsboro | 5.67 | 3.09 | 2.19 | 3.53 | 4.23 | 6.33 | 10.04 | 2.53 | 2.52 | 0.08 | 1.42 | 6.14 | 47.87 |
| Selma | 4.43 | 5.77 | 2.72 | 2.29 | 2.76 | 1.34 | 18.56 | 3.15 | 0.39 | 1.11 | 2.79 | 2.92 | 49.23 |
| Spring Hill | 1.62 | 3.09 | 3.10 | 6.66 | 6.58 | 5.11 | ..... | 10.57 | 1.79 | 2.09 | 3.08 | 3.56 | ..... |
| St. Bernard | 4.75 | 2.38 | 2.70 | 3.48 | 4.56 | 2.30 | 13.97 | 1.32 | 0.86 | 1.67 | 3.36 | 4.98 | 46.33 |
| Talladega | 2.96 | 6.55 | 3.05 | 3.65 | 4.31 | 2.90 | 17.82 | 2.67 | 5.12 | 0.88 | 3.58 | 4.13 | 57.62 |
| Tallassee | 2.01 | 4.99 | 2.75 | 1.41 | 1.72 | 3.18 | 18.35 | 7.95 | 1.24 | 2.14 | 3.37 | 3.81 | 52.92 |
| Thomasville | 4.87 | 5.24 | 4.84 | 1.90 | 5.64 | 1.69 | 21.97 | 3.46 | 1.07 | 0.55 | 3.26 | 4.12 | 58.61 |
| Troy | 2.55 | 2.61 | 4.96 | 2.73 | 3.14 | 3.89 | 14.19 | 3.64 | 2.00 | 3.51 | 1.45 | 2.41 | 47.08 |
| Tuscaloosa | 4.70 | 3.92 | 2.72 | 3.20 | 6.39 | 2.29 | 18.88 | 4.00 | 2.82 | 1.11 | 4.59 | 3.91 | 58.53 |
| Tuscumbia | 4.66 | 4.46 | 2.71 | 2.90 | 4.46 | 3.55 | 11.26 | 2.40 | 0.78 | 1.64 | 1.70 | 6.95 | 47.47 |
| Tuskegee | 1.52 | 4.32 | 2.11 | 1.21 | 2.61 | 3.04 | 12.58 | 2.77 | 1.52 | 3.08 | 3.78 | 3.71 | 42.25 |
| Union Springs | 1.15 | 4.44 | 5.23 | 2.52 | 1.78 | 4.32 | 10.64 | 3.87 | 1.98 | 2.28 | 1.65 | 3.09 | 42.95 |
| Uniontown | 6.49 | 4.01 | 2.77 | 3.35 | 5.10 | 1.78 | 19.24 | 1.39 | 1.10 | 0.80 | 2.71 | 3.33 | 52.07 |
| Valley Head | 5.47 | 2.53 | 2.95 | 2.25 | 4.15 | 5.25 | 12.50 | 1.65 | 1.05 | 2.15 | 2.45 | 4.52 | 46.92 |
| Wetumpka | 1.56 | 6.82 | 2.18 | 2.47 | 3.06 | 3.92 | 11.09 | 5.58 | 2.06 | 1.63 | 2.79 | 3.41 | 46.57 |
| *Alaska.* | | | | | | | | | | | | | |
| Akulurak | ..... | ..... | ..... | ..... | ..... | ..... | ..... | [a] 4.84 | 2.05 | 2.18 | 1.69 | ..... | ..... |
| Allakaket | 1.33 | 0.52 | 0.16 | 0.57 | 0.61 | 0.74 | 0.87 | 2.12 | 0.76 | 2.50 | ..... | 0.50 | ..... |
| Anchorage | ..... | 0.98 | 0.01 | T. | 1.65 | 0.96 | 0.86 | 3.41 | 2.54 | 6.43 | 0.99 | 0.67 | ..... |
| Calder | 1.32 | 6.15 | 9.90 | 10.50 | 4.40 | 4.00 | 5.35 | 5.38 | 6.15 | 10.85 | 14.75 | 12.76 | 91.51 |
| Camp No. 6 (near Thane) | 0.60 | 5.64 | 13.27 | 4.50 | 1.88 | 9.29 | 6.84 | 10.11 | 12.57 | 19.88 | 11.57 | ..... | ..... |
| Candle | ..... | ..... | ..... | ..... | 1.06 | 0.96 | 0.68 | 1.05 | 1.59 | [f] 1.22 | ..... | ..... | ..... |
| Chicken | ..... | ..... | ..... | 0.35 | 1.17 | 2.02 | 3.85 | 2.83 | 1.57 | ..... | ..... | ..... | ..... |
| Claim No. 2 | ..... | ..... | ..... | ..... | ..... | ..... | 2.60 | 2.39 | 2.18 | ..... | ..... | ..... | ..... |
| Copper Center | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.50 | ..... | 0.20 | ..... | ..... |
| Dutch Harbor | 2.61 | 5.10 | 1.75 | 1.17 | 3.45 | 1.25 | 1.07 | 2.25 | 3.14 | 10.27 | 4.00 | 4.89 | 40.95 |
| Dutch Harbor | 3.20 | 11.48 | 1.80 | 2.04 | 4.26 | 1.70 | 1.66 | 3.54 | 3.54 | 12.36 | 4.54 | 9.12 | 59.24 |
| Eagle | 1.08 | 0.47 | 0.06 | 0.23 | 1.34 | 0.92 | 1.59 | 2.18 | 1.86 | 0.96 | 0.24 | 0.69 | 11.62 |
| Fairbanks | 2.22 | 0.48 | 0.04 | 0.28 | 0.95 | 2.16 | 2.31 | 2.72 | 1.42 | 1.89 | 0.53 | 0.71 | 15.71 |
| Fort Liscum | 0.61 | 13.93 | 1.09 | 3.38 | 7.76 | 2.62 | 0.96 | [f] 13.20 | ..... | ..... | ..... | ..... | ..... |
| Haines | ..... | 6.75 | [h] 4.45 | [g] 1.72 | 1.50 | [b] 1.12 | 0.75 | [i] 7.75 | [c] 3.25 | ..... | ..... | ..... | ..... |
| Holy Cross | 2.38 | 1.71 | 0.60 | 0.56 | 2.29 | 0.96 | 1.44 | ..... | ..... | ..... | ..... | ..... | ..... |
| Hot Springs | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.44 | ..... |
| Jumbo Mine | 6.29 | 12.96 | 14.39 | 14.42 | 8.33 | 6.13 | 9.65 | 6.95 | 10.80 | 13.83 | 24.19 | 18.80 | 146.74 |
| Juneau | 0.87 | 6.66 | 3.28 | 4.79 | 4.21 | 5.97 | 4.99 | 6.48 | 12.25 | 14.57 | 8.04 | 7.86 | 79.97 |
| Kennecott | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.22 | ..... |
| Ketchikan | 1.18 | 8.73 | 13.72 | 13.64 | 8.37 | 6.04 | 10.63 | 7.14 | 13.74 | 14.49 | 20.54 | 10.42 | 128.64 |
| Klukwan | 0.56 | 3.21 | 1.14 | 0.28 | 0.46 | 0.37 | 1.24 | 0.63 | 1.03 | 1.94 | 2.75 | 2.33 | 15.94 |
| Kodiak (Radio Station) | 0.06 | 4.07 | 3.38 | 4.20 | 3.16 | [d] 4.82 | 2.27 | 4.95 | 3.25 | 8.76 | 5.93 | 5.07 | 49.92 |
| Kodiak | 0.06 | 3.47 | 3.51 | 7.57 | 6.57 | 6.28 | 2.45 | 5.40 | 2.73 | 7.69 | 5.65 | 4.62 | 56.00 |
| Loring | 1.94 | 10.58 | 14.08 | 12.12 | 7.69 | 7.44 | 12.36 | 7.36 | 11.93 | 12.53 | 18.49 | 10.16 | 126.68 |
| Nome | 1.84 | 1.28 | 0.46 | 1.50 | 2.52 | 1.24 | 1.49 | 3.02 | 3.15 | 3.36 | 0.20 | ..... | ..... |
| Perseverance | 2.02 | 6.48 | 7.37 | 9.81 | 9.15 | 12.37 | 9.21 | 13.24 | 20.24 | 23.09 | ..... | ..... | ..... |
| Rampart | 0.58 | 0.79 | T. | 0.11 | 0.75 | 0.91 | 1.07 | 1.27 | 1.59 | 2.88 | 0.40 | 1.27 | 11.62 |
| St. Paul Island | 0.96 | 1.42 | 0.29 | 1.40 | 1.93 | 0.64 | 1.36 | ..... | ..... | ..... | ..... | ..... | ..... |
| Seward | 0.32 | 7.66 | 1.63 | 3.44 | 6.68 | 5.53 | 1.21 | 5.97 | 9.54 | 14.13 | ..... | ..... | ..... |
| Shrimp Bay | [e] 0.67 | ..... | ..... | ..... | 3.82 | 5.20 | 9.33 | 4.78 | 11.43 | 11.34 | 12.10 | 5.07 | ..... |
| Shungnak | 1.56 | 0.87 | 0.95 | 0.29 | 2.06 | 0.89 | 1.22 | 3.16 | 1.39 | 2.67 | ..... | ..... | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Alaska*—Continued. | | | | | | | | | | | | | |
| Sitka | 1.01 | 5.72 | 3.66 | 4.36 | 3.31 | 6.04 | 4.68 | 6.43 | 15.66 | 17.94 | 8.49 | 6.97 | 84.27 |
| Speel River | | | | 8.41 | 6.08 | | | | | | | | |
| Sulzer | 2.59 | 8.72 | 10.06 | 11.30 | 5.43 | 3.58 | 3.92 | 3.44 | 8.97 | 11.65 | 22.42 | 11.12 | 108.20 |
| Tanana | 0.97 | 0.71 | 0.03 | 0.27 | 0.86 | 1.03 | 1.57 | 2.87 | 1.92 | 3.90 | 1.33 | 2.23 | 17.69 |
| Valdez | 0.68 | 5.83 | 0.90 | 2.36 | 5.90 | 2.48 | 0.88 | 11.69 | 11.20 | 12.85 | 8.33 | 3.91 | 67.01 |
| *Arizona.* | | | | | | | | | | | | | |
| Ajo | 1.68 | 0.34 | 0.71 | 0.08 | 0.00 | 0.00 | 1.19 | 1.83 | 2.88 | 0.43 | 0.00 | 0.87 | 10.01 |
| Alamo Ranger Station | 5.56 | 1.08 | 1.59 | 0.53 | T. | 0.00 | 6.13 | 5.38 | 2.64 | 1.63 | 0.00 | 0.86 | 25.40 |
| Allen Lake Ranger Station | 3.72 | 0.10 | 0.71 | | | | | | | | | 1.45 | |
| Alpine | 3.47 | 0.22 | 3.10 | 0.56 | | 0.00 | 5.36 | 4.58 | 1.39 | 8.67 | T. | 1.49 | |
| Ashdale Ranger Station | 10.84 | 0.66 | 2.73 | 0.54 | T. | 0.00 | 1.72 | 2.34 | 6.00 | 2.10 | 0.00 | 1.49 | 28.42 |
| Ashfork | 2.71 | 0.50 | 1.10 | T. | T. | 0.00 | 2.70 | 2.43 | 0.73 | 2.32 | 0.00 | 0.50 | 12.99 |
| Aztec | 1.28 | 0.01 | 0.30 | T. | 0.00 | 0.00 | 0.56 | 0.65 | 1.85 | 0.45 | 0.00 | 0.62 | 5.72 |
| Bald Hill Ranger Station | 5.02 | 0.98 | 2.32 | 0.61 | 0.04 | 0.00 | 3.88 | | 2.01 | 3.65 | 0.00 | 1.35 | |
| Baseline Ranger Station | 6.49 | 1.24 | 1.05 | 1.28 | 0.42 | 0.00 | 3.99 | 4.59 | 1.66 | 4.94 | 0.00 | 0.53 | 26.19 |
| Beaver Creek Ranger Station | | | | 0.17 | T. | 0.00 | 3.09 | 3.24 | 2.55 | 2.79 | 0.00 | | |
| Benson | 2.50 | 0.25 | 0.72 | 0.48 | 0.00 | 0.00 | 3.32 | 3.85 | 0.53 | 0.64 | 0.00 | 0.55 | 12.84 |
| Bisbee | 3.42 | 0.45 | 1.29 | 1.19 | 1.03 | 0.00 | 6.67 | 4.78 | 0.22 | 0.76 | 0.00 | 0.50 | 20.31 |
| Blue | 5.22 | 0.30 | 1.23 | 0.59 | 0.26 | T. | 5.85 | 5.00 | 0.98 | 6.15 | 0.00 | 0.80 | 26.38 |
| Bly Ranger Station | 8.55 | | | 1.00 | | | 4.00 | 2.00 | 2.92 | 3.52 | T. | | |
| Bonita | 5.00 | 0.15 | 1.50 | 0.50 | 0.15 | 0.00 | 2.88 | 2.10 | 0.70 | 1.43 | 0.00 | 0.90 | 15.31 |
| Bowie | 2.33 | 0.39 | 0.88 | 0.97 | 0.00 | 0.00 | 1.87 | 3.34 | T. | 1.75 | 0.00 | | |
| Buckeye | 2.60 | 0.17 | 0.81 | 0.08 | 0.00 | 0.00 | 1.48 | 1.08 | 3.30 | 0.96 | 0.00 | 0.40 | 10.88 |
| Canille | 2.72 | 0.34 | 1.69 | 0.25 | 0.91 | T. | 4.53 | 3.93 | 1.67 | 1.23 | 0.00 | 0.65 | 17.92 |
| Canon | 11.45 | 0.95 | 1.73 | 0.48 | 0.00 | 0.00 | 1.15 | 1.79 | 2.20 | 2.21 | 0.00 | 0.07 | 22.03 |
| Carr's Ranch | 15.58 | 1.75 | 6.96 | 2.06 | 0.05 | 0.00 | 3.08 | 2.45 | 3.80 | 2.19 | 0.00 | 1.96 | 39.88 |
| Casa Grande Ruin | 2.52 | 0.43 | 1.14 | 1.11 | 0.00 | 0.00 | 0.76 | | | | | | |
| Castle Hot Springs | | 0.17 | 4.29 | 0.23 | 0.00 | 0.00 | | 0.00 | 3.00 | 2.00 | 0.00 | | |
| Cedar Glade | 4.86 | 0.69 | 0.90 | 0.14 | T. | 0.00 | 2.56 | 1.81 | 0.66 | 5.78 | 0.00 | 0.50 | 17.90 |
| Chandler | 2.18 | 0.38 | 0.63 | 0.35 | 0.11 | 0.00 | 1.48 | 1.48 | 3.45 | 0.13 | 0.00 | 0.41 | 10.60 |
| Childs | 7.58 | 1.40 | 2.37 | 0.67 | 0.67 | 0.00 | 1.47 | 1.62 | 2.92 | | | 0.15 | |
| Chin Lee | 0.26 | 0.16 | 0.71 | 0.89 | 0.11 | T. | 1.25 | 1.01 | 1.09 | 1.78 | T. | 0.12 | 7.38 |
| Clifton | 3.77 | 0.67 | 0.53 | 0.05 | 0.00 | 0.00 | 2.59 | 3.25 | 0.36 | 3.42 | T. | 0.25 | 14.99 |
| Cline | 11.12 | 0.74 | 2.34 | 0.47 | 0.19 | 0.00 | 1.45 | 3.76 | | | | | |
| Cochise | 2.20 | 0.48 | 0.63 | 0.08 | 0.28 | 0.00 | 3.78 | 4.10 | 1.55 | 1.36 | 0.00 | 0.23 | 14.69 |
| Cornville | 3.48 | 0.99 | 1.59 | 0.17 | 0.00 | 0.00 | 1.45 | 0.62 | 1.16 | 1.75 | 0.00 | 0.64 | 11.85 |
| Cosmino | | | | | | | | | | | 0.00 | | |
| Crown King | | 2.08 | 4.58 | 0.59 | 0.30 | 0.00 | 3.42 | 4.07 | 3.19 | 5.58 | 0.00 | 2.10 | |
| Cyclopic | 3.67 | 0.72 | 0.67 | 0.00 | 0.25 | 0.00 | 2.22 | 1.17 | 0.60 | 0.54 | 0.00 | | |
| Douglas | 3.19 | 0.10 | 0.23 | 0.20 | 1.24 | T. | 4.31 | 1.89 | 0.39 | 0.81 | T. | 0.12 | 12.48 |
| Dudleyville | 7.11 | 1.12 | 1.55 | 0.61 | 0.10 | 0.00 | 2.09 | 1.14 | 2.16 | 0.82 | 0.00 | 1.22 | 17.92 |
| Echo Park | 5.82 | 1.15 | 1.80 | | | | | | | | | | |
| El Dorado | 4.70 | 0.47 | 1.35 | 0.46 | 0.86 | 0.00 | 2.48 | 4.20 | 1.14 | 2.05 | 0.00 | 0.50 | 18.21 |
| Elgin (near) | 5.01 | 0.20 | 1.24 | 0.57 | 0.72 | 0.00 | 3.58 | 1.76 | 1.44 | 0.78 | 0.00 | 0.52 | 15.82 |
| Fairbank | 3.11 | T. | 0.51 | 0.84 | 0.00 | 0.00 | 3.77 | 3.61 | 0.65 | 0.62 | 0.00 | 0.40 | 13.51 |
| Flagstaff | 8.16 | 0.77 | 1.77 | 0.06 | 0.37 | 0.00 | 2.46 | 3.29 | 1.78 | 3.61 | 0.00 | 1.11 | 23.38 |
| Florence | 2.84 | 0.58 | 2.22 | 0.10 | 0.00 | 0.00 | 0.24 | 3.76 | 2.28 | 0.00 | 0.00 | 0.64 | 12.66 |
| Fort Apache | 9.03 | 1.02 | 1.84 | 0.93 | 0.34 | 0.00 | 3.21 | 2.05 | 2.60 | 4.64 | 0.00 | 0.80 | 26.46 |
| Fort Huachuca | 2.92 | T. | 1.02 | T. | 1.30 | 0.00 | 1.59 | 3.62 | 2.76 | 0.12 | 0.00 | 0.60 | 13.93 |
| Fort Valley | 8.57 | 0.82 | 2.69 | 0.30 | 0.35 | 0.00 | 3.54 | 3.87 | 2.01 | 3.82 | 0.00 | 1.15 | 27.12 |
| Gentry Ranger Station | | | | | | 0.00 | 3.08 | 2.83 | | | | | |
| Gila Bend | 2.45 | 0.16 | 0.50 | T. | 0.00 | 0.00 | 1.18 | 0.22 | 2.32 | 0.95 | 0.00 | 0.69 | 8.47 |
| Gisela | 6.33 | 0.61 | 2.07 | 0.82 | T. | 0.00 | 0.94 | 1.97 | 1.70 | 2.60 | 0.00 | 0.75 | 17.79 |
| Glendale | 3.19 | 0.25 | 0.64 | 0.26 | 0.00 | 0.00 | 1.24 | 0.51 | 3.57 | 0.43 | 0.00 | 0.49 | 10.58 |
| Globe | 6.50 | 1.22 | 1.88 | 0.25 | 0.03 | 0.00 | 3.15 | 1.80 | 2.64 | 2.54 | 0.00 | 0.45 | 20.46 |
| Gould's Ranch | 2.49 | 0.19 | 0.30 | 0.12 | 0.00 | 0.00 | 0.97 | 0.97 | 2.14 | 0.64 | 0.00 | 0.44 | 8.26 |
| Grand Canyon (rim) | 4.36 | 0.74 | 1.49 | 0.06 | 0.00 | 0.00 | 2.53 | 1.90 | 0.54 | 2.31 | T. | 0.54 | 14.47 |
| Grand Canyon (Indian Gardens) | | | | | | | | 2.76 | 0.52 | 2.68 | T. | | |
| Granite Reef Dam | 5.65 | 0.40 | 0.80 | 0.44 | 0.19 | 0.00 | 0.86 | 0.76 | 2.30 | 0.37 | 0.00 | 0.51 | 12.28 |
| Greer | 3.13 | 0.10 | 1.08 | 0.62 | 1.20 | 0.00 | 4.83 | 6.35 | 0.86 | 5.08 | 0.00 | | |
| Hackberry | 1.86 | 0.44 | 0.47 | 0.16 | 0.53 | 0.00 | 1.94 | 1.77 | 0.27 | 0.73 | 0.00 | 0.09 | 8.26 |
| Hackberry Ranger Station | 12.58 | 0.74 | 1.79 | 0.43 | 0.08 | 0.00 | 1.49 | 2.98 | 0.96 | 1.50 | 0.00 | 1.59 | 24.14 |
| Heber | 6.91 | 0.41 | 2.01 | 0.93 | 0.08 | 0.00 | 3.42 | 4.18 | 0.96 | 3.03 | T. | 2.54 | 24.47 |
| Helvetia | | | | | 0.00 | 0.00 | 2.55 | 4.96 | 1.78 | | 0.00 | 0.72 | |
| Henry's Camp | 7.39 | | | | 0.04 | 0.00 | 2.46 | 3.13 | 1.37 | 2.85 | 0.00 | 0.94 | |
| Hereford | 2.20 | 0.00 | 0.60 | 0.00 | 0.23 | 0.00 | 2.40 | 2.60 | 0.30 | 1.54 | 0.00 | 0.10 | 9.97 |
| Higley | 3.06 | 0.52 | 0.64 | 0.45 | 0.13 | 0.00 | 1.17 | 0.85 | 2.45 | 0.11 | 0.00 | 0.55 | 9.93 |
| Holbrook | 2.04 | 0.21 | 0.64 | 0.67 | 0.11 | 0.00 | 1.36 | 3.26 | 2.91 | 2.46 | 0.00 | 0.50 | 14.16 |
| Honeymoon | 7.66 | 0.86 | 2.23 | 0.34 | 1.04 | 0.00 | 3.21 | 2.19 | 5.37 | 3.90 | 0.00 | 0.43 | 27.23 |
| Ideal Ranger Station | | | | | | | 7.95 | 7.04 | 1.57 | 3.34 | 0.00 | | |
| Intake | 5.67 | 0.30 | 1.43 | 1.28 | 0.00 | | | | | 2.08 | 0.00 | 0.76 | |
| Jacob Lake Ranger Station | | | | | | | | 4.71 | 1.78 | | | | |
| Jerome | 7.09 | 1.29 | 2.52 | 0.31 | 0.00 | 0.00 | 4.07 | 3.95 | 1.79 | | | | |
| Johnson Wash | 7.00 | 1.75 | 2.50 | 0.42 | 0.00 | 0.00 | 1.66 | 3.33 | 1.50 | 3.13 | 0.00 | 0.90 | 22.19 |
| Kayenta | 1.42 | 0.25 | 1.18 | 0.43 | 0.13 | T. | 3.11 | 0.37 | 0.53 | 3.10 | 0.02 | | |
| Kearn's Canyon | 5.10 | 0.01 | 0.80 | 0.60 | 0.15 | 0.00 | 1.86 | 1.13 | 0.81 | 2.68 | 0.00 | 0.55 | 13.69 |
| Kingman | 2.70 | 0.64 | 0.83 | 0.18 | 1.52 | 0.00 | 1.27 | 1.57 | 0.72 | 0.71 | 0.00 | 1.30 | 11.44 |
| Klondyke | 6.45 | 0.74 | 1.70 | 0.95 | 0.07 | 0.00 | 3.31 | 2.22 | 1.48 | 1.47 | 0.00 | 0.78 | 19.17 |
| Lakeside | 8.64 | 1.00 | 1.91 | 1.18 | 0.31 | 0.00 | 3.92 | 4.00 | 2.76 | 3.89 | 0.00 | | |
| Lakeside Ranger Station | 9.39 | 0.96 | 2.40 | 1.18 | 0.30 | 0.00 | 3.57 | 4.20 | 2.74 | 4.39 | T. | 2.21 | 31.34 |
| Lee's Ferry | 0.80 | 1.20 | 0.20 | 0.00 | 0.62 | 0.00 | 1.56 | 1.83 | 0.00 | 3.15 | 0.00 | 0.60 | 9.96 |
| Leslie Canyon | | | | | 0.98 | T. | 3.33 | 3.44 | 1.20 | 1.58 | T. | 0.20 | |
| Leupp | 0.93 | 0.02 | 0.20 | T. | 0.02 | 0.00 | 1.90 | 0.07 | 0.47 | 0.03 | 0.00 | 0.45 | 4.09 |
| Lewis Springs | 1.72 | 0.12 | 0.30 | 0.70 | 0.00 | 0.00 | 2.44 | 2.84 | 0.72 | 0.87 | 0.00 | 0.20 | 9.91 |
| Light | 3.89 | 0.47 | 0.52 | 0.45 | 0.94 | T. | 2.92 | 3.73 | 0.98 | 2.17 | 0.00 | 0.62 | 16.69 |
| Lukachukai | 1.45 | 0.65 | 1.04 | 1.20 | 0.00 | 0.00 | 1.52 | 1.98 | 0.30 | 1.75 | 0.30 | | |
| McNeal | 4.05 | 0.09 | 0.40 | 0.35 | | 0.00 | 3.94 | | | 0.86 | | | |
| Maricopa | 1.88 | 0.35 | 0.50 | 0.16 | T. | 0.00 | 5.04 | 0.00 | 1.45 | 0.25 | 0.00 | 0.70 | 10.33 |
| Marinette | 3.25 | 0.22 | 0.81 | | | | | | | | | | |
| Marquette Ranger Station | 3.76 | 0.15 | 0.69 | 2.13 | | | | | | | 0.00 | | |
| Mesa | 3.23 | 0.27 | 0.53 | 0.34 | 0.08 | 0.00 | 0.89 | 0.61 | 2.83 | 0.09 | 0.00 | 0.50 | 9.37 |
| Mesa Experiment Farm | | | | | | | | | 3.58 | 0.12 | 0.00 | 0.43 | |
| Miami | 9.64 | 0.87 | 2.80 | 0.71 | 0.07 | 0.00 | 4.34 | 1.74 | 3.40 | 1.54 | 0.00 | 0.97 | 26.08 |
| Miles Ranger Station | 2.46 | 0.16 | 1.15 | | | | | | | | | | |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Arizona*—Continued. | | | | | | | | | | | | | |
| Moccasin | 3.58 | 0.72 | 1.83 | 1.22 | 0.27 | 0.00 | 3.51 | ..... | ..... | ..... | ..... | ..... | ..... |
| Mohawk | 0.80 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.80 | 0.73 | 0.74 | 0.00 | 0.00 | 0.69 | 3.97 |
| Mormon Lake Ranger Station | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.60 | 3.48 | T. | ..... | ..... |
| Naco | 2.93 | 0.14 | 0.67 | 0.10 | 1.07 | T. | 4.89 | 2.07 | 0.09 | 0.25 | 0.00 | 0.25 | 12.46 |
| Natural Bridge | 9.38 | 1.21 | 3.94 | 1.75 | 0.24 | 0.00 | 5.81 | 2.14 | 6.46 | 1.76 | 0.00 | 1.25 | 33.94 |
| Nogales | 4.77 | 0.10 | 0.78 | 0.49 | 0.00 | T. | 6.20 | 1.29 | 0.52 | 0.67 | 0.00 | 0.75 | 15.57 |
| Nutrioso | 5.90 | 1.30 | 1.19 | 0.24 | 0.17 | T. | 4.90 | 4.74 | 0.59 | 4.88 | 0.00 | ..... | ..... |
| Oracle | 9.14 | 1.64 | 1.58 | 0.81 | 0.00 | 0.00 | 4.20 | 2.49 | 0.94 | 2.21 | 0.00 | 0.40 | 23.41 |
| Osborn | 2.40 | 0.12 | 0.54 | 1.30 | 0.00 | 0.00 | 3.99 | 4.01 | 0.00 | T. | 0.00 | 0.60 | 12.96 |
| Paradise | 3.79 | 0.12 | 2.09 | 0.97 | 0.34 | T. | 5.19 | 8.84 | 2.27 | 1.93 | 0.11 | 0.71 | 26.36 |
| Paradise Valley | 3.54 | 0.25 | 0.57 | 0.56 | T. | 0.00 | 1.20 | 0.21 | 2.53 | 1.11 | 0.00 | 0.70 | 10.67 |
| Parker | 3.03 | 0.20 | 1.77 | T. | 0.06 | 0.00 | 0.00 | 0.00 | 0.88 | T. | 0.00 | 0.75 | 6.69 |
| Payson | 6.42 | 1.50 | 2.02 | 1.50 | 0.24 | 0.00 | 2.56 | 2.97 | 3.30 | 2.42 | 0.00 | 1.80 | 24.73 |
| Pearce (near) | 3.53 | 0.59 | 0.53 | 0.02 | 0.18 | 0.00 | 3.17 | 4.32 | 0.63 | 1.67 | 0.00 | 0.70 | 15.34 |
| Phoenix (Weather Bureau) | 2.34 | 0.13 | 0.37 | 0.15 | T. | 0.00 | 0.77 | 0.30 | 1.66 | 0.65 | 0.00 | 0.39 | 6.76 |
| Phoenix (Experiment Farm) | 3.04 | 0.20 | 0.37 | 0.18 | T. | 0.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pinal Ranch | 14.95 | 1.75 | 3.22 | 0.64 | 0.00 | 0.00 | 1.93 | 3.83 | 4.16 | 2.75 | 0.00 | 1.29 | 34.52 |
| Pinedale | 6.32 | 0.62 | 1.89 | 0.82 | 0.15 | 0.00 | 5.27 | 4.29 | 1.29 | 3.74 | T. | 0.87 | 25.26 |
| Pinto | 2.88 | 0.26 | 0.84 | 0.64 | 0.02 | 0.00 | 1.42 | 2.95 | 1.96 | 1.98 | 0.00 | 0.85 | 13.80 |
| Portal | 3.16 | 0.66 | 1.32 | 0.90 | 0.34 | 0.01 | 4.32 | 7.55 | 1.41 | 3.54 | 0.09 | 0.12 | 23.42 |
| Prescott | 7.79 | 0.48 | 2.47 | 0.33 | 0.06 | 0.00 | 2.24 | 2.60 | 1.83 | 3.30 | 0.00 | 0.93 | 22.03 |
| Prescott Dry Farm | 4.33 | 0.31 | 1.45 | 0.41 | 0.05 | 0.00 | 2.22 | 2.66 | 1.13 | 2.65 | 0.00 | ..... | ..... |
| Quayle | 7.00 | ..... | 1.75 | ..... | ..... | ..... | 2.43 | ..... | ..... | ..... | ..... | ..... | ..... |
| Redrock | 2.93 | 0.62 | 0.88 | 0.00 | ..... | ..... | ..... | ..... | ..... | 0.65 | 0.00 | 0.78 | ..... |
| Rice | 5.40 | 1.11 | 2.10 | 0.18 | T. | 0.00 | 1.43 | ..... | ..... | ..... | ..... | ..... | ..... |
| Rio Verde Ranger Station | ..... | 0.70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Roosevelt | 9.85 | 0.86 | 1.75 | 1.00 | 0.07 | 0.00 | 1.62 | 2.55 | 2.30 | 1.24 | 0.00 | 1.14 | 22.38 |
| Rosemont | 5.09 | 0.45 | 1.48 | 0.82 | 0.00 | 0.00 | 3.13 | 4.75 | 0.87 | 0.99 | 0.00 | 0.62 | 18.20 |
| Ruby | 5.17 | 0.00 | 1.39 | 0.51 | 0.16 | 0.00 | 4.77 | 2.55 | 3.25 | 0.15 | 0.00 | 0.68 | 18.63 |
| Sacaton | 2.87 | 0.26 | 0.71 | 0.45 | 0.00 | 0.00 | 1.19 | 0.63 | 3.61 | 0.02 | 0.00 | 0.65 | 10.39 |
| St. Johns | 3.51 | T. | 1.17 | 1.20 | 0.31 | 0.00 | 2.14 | 0.97 | 0.45 | 2.21 | 0.00 | 0.58 | 12.54 |
| St. Michaels | 3.61 | T. | 0.34 | T. | 0.23 | 0.00 | 3.18 | 2.91 | 1.31 | 2.14 | T. | 0.40 | 14.12 |
| Salome | 2.87 | 0.64 | 0.57 | 0.00 | 0.00 | 0.00 | 0.53 | 2.07 | 0.93 | 0.60 | 0.00 | 0.68 | 8.89 |
| San Simon | 4.05 | 0.50 | 1.42 | 0.23 | 0.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Scottsdale | 3.52 | 0.14 | 0.56 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Seligman | 2.85 | 1.15 | 0.78 | 0.04 | 0.00 | 0.00 | 2.50 | 4.96 | 0.69 | 2.21 | 0.00 | 0.50 | 15.68 |
| Sentinel | 1.32 | T. | 0.33 | T. | 0.00 | 0.00 | 0.39 | 0.74 | T. | 1.30 | 0.00 | 0.68 | 4.76 |
| Show Low | 5.39 | 0.41 | 1.74 | 0.58 | 0.21 | 0.00 | 2.72 | 2.74 | 1.27 | 2.76 | 0.00 | 1.16 | 18.98 |
| Silverbell | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.10 | 0.00 | 0.70 | ..... |
| Snowflake | 2.59 | 0.07 | 1.85 | 0.56 | T. | 0.00 | 1.41 | 2.43 | 0.95 | 2.17 | 0.00 | 0.50 | 12.53 |
| Soldier Camp Ranger Station | ..... | ..... | ..... | ..... | ..... | T. | 8.05 | 6.35 | 2.81 | ..... | ..... | ..... | ..... |
| Springerville | 1.64 | T. | 0.54 | T. | T. | 0.00 | 3.65 | 2.28 | 0.32 | 2.02 | 0.01 | 0.10 | 10.56 |
| Spring Valley Ranger Station | ..... | ..... | ..... | 0.12 | 0.23 | 0.00 | 4.49 | 4.11 | 1.13 | 4.44 | 0.00 | ..... | ..... |
| Sunflower Ranger Station | ..... | ..... | ..... | ..... | ..... | ..... | 1.80 | 2.00 | 2.52 | 1.60 | 0.00 | ..... | ..... |
| Supai | 1.56 | 0.51 | 0.55 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | 0.20 | ..... |
| Tempe (Date Orchard) | 3.08 | 0.05 | 0.62 | 0.32 | 0.08 | 0.00 | 0.36 | 0.94 | 3.54 | 0.22 | 0.00 | 0.46 | 9.67 |
| Tempe (Bridge) | 3.34 | 0.17 | 0.73 | 0.70 | 0.05 | 0.00 | 0.26 | 2.50 | 3.80 | 0.29 | 0.00 | 0.58 | 12.42 |
| Tex Canyon Ranger Station | 4.05 | 0.86 | 0.54 | 0.50 | 0.90 | 0.00 | 4.74 | 5.37 | 0.85 | 1.93 | T. | 0.40 | 20.14 |
| Thatcher | 3.58 | 0.53 | 0.57 | 0.40 | 0.13 | 0.00 | 2.74 | 2.40 | 0.20 | 2.27 | 0.00 | 0.10 | 12.92 |
| Tombstone | 4.48 | 0.11 | 0.72 | 0.35 | 0.00 | T. | 3.75 | 3.62 | 0.96 | 1.60 | 0.00 | 0.40 | 15.99 |
| Tonto Ranger Station | 7.37 | 0.95 | 2.33 | 0.13 | 0.10 | 0.00 | 0.13 | 2.13 | 1.68 | 2.87 | 0.00 | 1.25 | 18.94 |
| Truxton | 2.81 | 0.67 | 0.39 | 0.15 | 0.84 | 0.00 | 2.20 | 1.76 | 0.83 | 1.29 | 0.00 | 0.60 | 11.54 |
| Tuba | 1.83 | 0.33 | 1.12 | 0.29 | 0.09 | 0.00 | 1.04 | 0.95 | 0.45 | 2.38 | T. | 0.20 | 8.68 |
| Tucson (Chamber of Commerce) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.95 | 0.00 | 0.22 | ..... |
| Tucson (Indian School) | 4.27 | 0.91 | 0.61 | 0.51 | 0.00 | 0.00 | 2.44 | 2.13 | 1.58 | ..... | ..... | ..... | ..... |
| Tucson (Magnetic Observatory) | 4.09 | 0.85 | 0.55 | 0.56 | 0.00 | 0.02 | 2.73 | 2.96 | 0.94 | ..... | ..... | ..... | ..... |
| Tucson (University of Arizona) | 4.00 | 0.58 | 0.50 | 0.51 | 0.00 | 0.07 | 2.03 | 2.26 | 1.29 | 1.10 | 0.00 | 0.81 | 13.15 |
| Walnut Creek Ranger Station | 6.62 | 0.55 | 1.44 | 0.03 | 0.21 | 0.00 | 1.60 | 3.03 | 0.70 | 2.78 | 0.00 | 0.95 | 17.91 |
| Walnut Grove | 9.43 | 1.01 | 2.15 | 0.35 | 0.00 | 0.00 | 4.26 | 1.73 | 2.07 | 3.77 | 0.00 | 1.00 | 25.77 |
| Water's Ranger Station | ..... | ..... | ..... | ..... | ..... | 0.00 | 3.04 | 3.04 | 4.51 | 4.49 | ..... | ..... | ..... |
| Wickenburg | 4.78 | 0.98 | 0.56 | T. | 0.00 | 0.00 | 2.23 | 1.53 | 2.23 | 0.73 | 0.00 | 0.65 | 13.69 |
| Willcox | 3.38 | 0.55 | 0.71 | 0.10 | 0.20 | T. | 3.05 | 4.77 | 1.66 | 2.25 | 0.00 | 0.50 | 17.17 |
| Williams | 6.84 | 0.13 | 0.58 | 0.09 | 0.45 | 0.00 | 5.13 | 3.58 | 1.48 | 5.26 | 0.00 | 2.75 | 26.29 |
| Willow Wash | 6.46 | 0.21 | 2.15 | 0.73 | 0.08 | 0.00 | 3.89 | 4.43 | 1.12 | 3.85 | 0.00 | 0.86 | 23.78 |
| Windmill Ranch | 5.53 | 0.98 | 1.97 | 0.14 | 0.00 | 0.00 | 1.06 | 3.63 | 1.80 | 2.49 | 0.00 | 1.01 | 18.61 |
| Winona | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.61 | T. | 0.90 | ..... |
| Winslow | 1.50 | 0.24 | 0.66 | 0.31 | 0.24 | 0.00 | 0.98 | 2.54 | 0.93 | 1.65 | 0.00 | 1.20 | 10.25 |
| Young | 11.04 | 1.10 | ..... | 0.97 | 0.26 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Yuma (Weather Bureau) | 0.52 | T. | 0.24 | 0.01 | 0.00 | 0.00 | 0.92 | 0.02 | 0.01 | 0.00 | 0.00 | 0.73 | 2.45 |
| Yuma (Date Orchard) | 0.64 | 0.01 | 0.25 | T. | 0.06 | 0.00 | 0.67 | 0.00 | T. | 0.00 | 0.00 | 0.73 | 2.30 |
| *Arkansas.* | | | | | | | | | | | | | |
| Alicia | 8.08 | ..... | 3.42 | 4.90 | 4.34 | 6.00 | 2.85 | 2.10 | 4.65 | 1.85 | 4.25 | 2.60 | ..... |
| Amity | 9.61 | 2.90 | 1.82 | 3.62 | 3.04 | 8.66 | 2.77 | 1.60 | 4.55 | 1.93 | 3.58 | 1.86 | 45.94 |
| Arkadelphia | 9.00 | 2.55 | 2.20 | 3.80 | 2.62 | 5.52 | 1.20 | 4.50 | 2.11 | 2.50 | 1.70 | 3.10 | 40.80 |
| Arkansas City | 7.91 | 2.53 | 2.81 | 2.80 | 5.77 | 7.07 | 3.46 | 5.37 | 6.75 | 4.23 | 1.95 | 2.82 | 53.47 |
| Batesville | 9.51 | 1.40 | 2.70 | 4.08 | 2.88 | 4.14 | 1.37 | 0.78 | 6.85 | 2.68 | 2.92 | 2.58 | 41.89 |
| Bee Branch | 9.45 | 1.25 | 2.00 | 2.35 | 4.60 | 7.50 | 1.10 | 1.60 | 3.70 | 1.40 | 2.90 | 3.35 | 41.20 |
| Bentonville | 11.18 | 1.74 | 2.16 | 6.36 | 2.65 | 4.73 | 3.86 | 3.42 | 4.34 | 1.45 | 3.02 | 2.41 | 47.32 |
| Bergman | 9.42 | 1.32 | 1.91 | 5.84 | 2.66 | 4.86 | 0.69 | 2.68 | 3.52 | 0.57 | 3.57 | 3.11 | 40.15 |
| Bigelow | 8.38 | 2.66 | 1.28 | 2.23 | 4.79 | 3.42 | 0.42 | 4.14 | 2.87 | 1.35 | 2.68 | 1.65 | 35.87 |
| Black Rock | 8.83 | 0.98 | 1.88 | 3.72 | 3.01 | 3.36 | 1.06 | 0.61 | 3.48 | 1.17 | 2.89 | 4.03 | 35.02 |
| Booneville | 7.30 | 2.90 | 1.11 | 3.63 | 4.27 | 4.61 | 2.90 | 0.53 | 4.50 | 3.25 | 4.15 | 3.17 | 42.32 |
| Brinkley | 12.06 | 4.36 | 4.24 | 3.70 | 5.04 | 3.46 | 2.73 | 2.17 | 1.62 | 4.83 | 2.28 | 6.85 | 53.34 |
| Calico Rock | 8.98 | 1.05 | 3.16 | 3.97 | 3.89 | 5.28 | 1.13 | 2.46 | 4.63 | 1.62 | 3.83 | 4.14 | 44.14 |
| Camden | 12.37 | 1.48 | 1.66 | 2.59 | 3.30 | 5.84 | 3.37 | 2.93 | 3.59 | 1.68 | 2.49 | 2.60 | 43.81 |
| Centerpoint | 6.72 | 0.73 | 0.91 | 3.55 | 3.49 | 7.84 | 2.45 | 0.94 | 2.30 | 5.06 | 3.27 | 2.45 | 39.71 |
| Clarendon | 9.95 | 3.20 | 2.10 | 2.40 | 4.52 | 2.64 | 1.62 | 2.70 | 2.64 | 4.54 | 1.79 | 5.82 | 43.92 |
| Conway | 8.56 | 2.41 | 1.50 | 2.24 | 4.90 | 3.72 | 2.11 | 5.46 | 4.35 | 2.41 | 2.71 | 2.64 | 43.01 |
| Corning | ..... | ..... | ..... | ..... | 3.90 | 8.85 | 0.25 | 2.53 | 2.00 | 1.30 | 2.60 | 4.82 | ..... |
| Crossett | 7.81 | 0.50 | 1.98 | 2.80 | 5.79 | 8.61 | 3.93 | 2.89 | 5.26 | 3.91 | 1.66 | 2.67 | 47.81 |
| Danville | ..... | ..... | ..... | ..... | ..... | ..... | 1.61 | 1.85 | 3.33 | 1.09 | 3.15 | 3.53 | ..... |
| Dardanelle | 8.28 | 1.13 | 2.55 | 2.83 | 5.92 | 3.70 | 1.73 | 1.27 | 4.18 | 1.57 | 2.81 | 3.18 | 39.15 |
| Dodd City | 7.29 | 0.14 | 2.02 | 5.56 | 1.02 | 6.68 | 0.88 | 3.53 | 3.17 | 1.10 | 3.40 | 3.34 | 38.13 |
| Dumas | 7.79 | 2.22 | 1.75 | 2.63 | 4.55 | 2.90 | 2.22 | 4.60 | 3.77 | 2.30 | 2.15 | 4.00 | 41.98 |
| Dutton | 11.11 | 1.07 | 1.63 | 7.46 | 2.64 | 9.48 | 1.14 | 0.65 | 4.34 | 1.04 | 3.93 | 3.55 | 48.04 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Arkansas*—Continued. | | | | | | | | | | | | | |
| Eldorado | 7.11 | 0.20 | 0.96 | 3.18 | 4.38 | 4.17 | 5.77 | 5.08 | 6.16 | 1.65 | 4.52 | 2.50 | 45.68 |
| Emerson | 10.80 | ..... | ..... | 4.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| England | 10.63 | 2.58 | 1.30 | 2.08 | 3.00 | 3.10 | 2.85 | 3.40 | 6.78 | 3.05 | 2.10 | 2.96 | 43.83 |
| Eureka Springs | 11.96 | 1.30 | 1.94 | 5.78 | 2.20 | 6.67 | 1.47 | 5.08 | 5.09 | 0.62 | 4.26 | 2.14 | 48.51 |
| Fayetteville | 11.48 | 1.62 | 1.68 | 6.35 | 2.94 | 5.11 | 0.63 | 2.43 | 4.17 | 0.71 | 3.59 | 2.26 | 42.97 |
| Fordyce | 10.16 | 0.63 | 1.71 | 2.05 | 3.60 | 5.29 | 2.10 | 2.15 | 5.40 | 3.15 | 2.48 | 5.05 | 43.77 |
| Fort Smith | 7.28 | 1.37 | 0.68 | 4.19 | 3.29 | 2.72 | 0.34 | 0.23 | 3.61 | 1.49 | 2.88 | 2.16 | 30.24 |
| Fulton | 6.67 | 1.11 | 1.39 | 2.68 | 2.97 | 4.80 | 3.50 | 0.46 | 0.70 | 1.93 | 2.62 | 1.58 | 30.41 |
| Georgetown | 11.85 | 2.20 | 3.93 | 3.21 | 4.15 | 5.91 | 0.63 | 4.75 | 2.39 | 4.30 | 2.90 | 4.55 | 50.77 |
| Gravette | 12.94 | 1.23 | 2.74 | 4.54 | 4.57 | 5.45 | 1.32 | 0.49 | 3.95 | 2.55 | 2.65 | 2.85 | 45.28 |
| Hardy | 9.50 | 0.87 | 2.93 | 4.32 | 3.67 | 6.85 | 1.08 | 1.42 | 3.33 | 2.13 | 3.76 | 5.43 | 45.29 |
| Helena | 10.88 | 4.43 | 3.72 | 3.00 | 4.09 | 3.55 | 4.53 | 6.45 | 1.92 | 2.80 | 1.96 | 3.70 | 51.03 |
| Hemp Wallace | 8.51 | 2.84 | 1.58 | 3.00 | 1.77 | 4.67 | 1.40 | 3.75 | 3.71 | 1.98 | 3.57 | 2.40 | 39.18 |
| Hope | 7.75 | 1.29 | 1.33 | 3.83 | 2.52 | 5.10 | 5.47 | 1.97 | 0.72 | 1.12 | 2.57 | 3.99 | 37.66 |
| Hot Springs | 8.76 | 2.13 | 1.30 | 2.55 | 1.82 | 5.50 | 2.65 | 5.91 | 1.73 | 1.59 | 3.29 | 1.49 | 38.72 |
| Huttig | 8.49 | 0.41 | 1.71 | 3.46 | 6.46 | 3.15 | 4.16 | 4.28 | 2.49 | 3.08 | 2.26 | 2.43 | 42.38 |
| Jelks | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.33 | 2.17 | 3.00 | ..... | ..... | ..... |
| Jonesboro | 9.78 | 4.05 | 3.36 | 4.21 | 4.47 | 4.82 | 1.25 | 2.12 | 2.35 | 2.18 | 2.39 | 3.42 | 44.40 |
| Junction | 4.11 | 0.22 | 1.19 | 3.75 | 5.60 | 4.83 | 5.89 | 3.19 | 2.87 | 0.62 | 3.12 | 2.71 | 38.10 |
| Lake Farm | 13.59 | 3.78 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lewisville | 7.10 | 0.24 | 1.00 | 2.87 | 3.41 | 7.51 | 1.32 | 3.32 | 0.72 | 1.10 | 1.14 | 2.82 | 32.55 |
| Little Rock | 8.45 | 2.05 | 1.59 | 2.61 | 1.49 | 3.00 | 0.44 | 3.59 | 1.95 | 2.92 | 2.12 | 2.17 | 32.38 |
| Lutherville | 9.20 | 1.96 | 1.27 | 3.66 | 2.04 | 6.32 | 3.02 | 1.22 | 4.10 | 2.32 | 3.65 | 4.38 | 43.14 |
| Malvern | 10.81 | 2.82 | 0.70 | 3.13 | 1.70 | 5.23 | 1.85 | 3.55 | 2.50 | 2.28 | 2.40 | 2.43 | 39.40 |
| Mammoth Spring | 8.99 | 0.88 | 2.24 | 3.29 | 3.31 | 5.84 | 0.79 | 2.87 | 3.20 | 0.97 | 3.52 | 5.66 | 41.56 |
| Marianna | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.20 | 2.27 | 3.23 | 1.93 | 2.30 | ..... |
| Marked Tree | 10.13 | 1.76 | 1.86 | 3.22 | 6.19 | 3.40 | 0.93 | 3.98 | 2.81 | 2.44 | 2.16 | 66.0 | 45.48 |
| Marshall | 8.60 | 1.40 | 2.34 | 4.55 | 2.19 | 4.86 | 0.99 | 2.34 | 5.94 | 1.49 | 4.22 | 3.91 | 42.83 |
| Mena | 10.15 | 2.78 | 1.14 | 4.41 | 7.76 | 8.52 | 2.51 | 1.44 | 4.35 | 1.82 | 1.78 | 3.57 | 50.23 |
| Mount Ida | 8.14 | 2.08 | 0.71 | 3.11 | 2.71 | 4.44 | 1.84 | 2.53 | 5.45 | 1.08 | 4.51 | 2.69 | 39.29 |
| Murfreesboro | ..... | ..... | ..... | ..... | 2.81 | 6.94 | 3.42 | 1.24 | 0.75 | 2.64 | 3.61 | 0.94 | ..... |
| Nail | 11.30 | 1.40 | 1.52 | 5.84 | 2.83 | 7.59 | 1.56 | 1.38 | 7.16 | 1.15 | 5.15 | 4.05 | 50.93 |
| Newport | 10.68 | 1.65 | 2.47 | 3.37 | 2.97 | 3.92 | 1.80 | 1.36 | 2.36 | 1.35 | 2.57 | 3.80 | 38.30 |
| Okay | 8.27 | 0.42 | 2.48 | 4.85 | 3.70 | 4.41 | 1.70 | 4.56 | 4.00 | 0.75 | 4.78 | 2.01 | 41.93 |
| Osceola | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4.10 | 1.82 | 2.28 | 1.94 | 7.13 | ..... |
| Ozark | ..... | ..... | ..... | ..... | 3.09 | 4.05 | 1.72 | 0.52 | 4.27 | 1.20 | 4.09 | 3.26 | ..... |
| Pine Bluff | 12.10 | 3.70 | 1.82 | 2.61 | 2.17 | 3.27 | 4.37 | 3.88 | 3.70 | 3.85 | 2.10 | 5.46 | 49.03 |
| Pocahontas | 8.53 | 0.90 | 2.17 | 3.35 | 3.20 | 4.97 | 1.18 | 0.75 | 2.51 | 1.15 | 3.75 | 4.11 | 36.57 |
| Portland | 9.05 | 1.40 | 2.35 | 2.23 | 6.35 | 4.18 | 4.31 | 2.59 | 3.98 | 5.05 | 1.54 | 2.21 | 45.24 |
| Prescott | 8.73 | 1.64 | 1.29 | 3.85 | 1.99 | 5.28 | 0.63 | 4.24 | 0.85 | 1.70 | 2.61 | 3.96 | 36.77 |
| Princeton | 8.69 | 2.74 | 0.70 | ..... | 3.25 | 6.62 | 1.54 | 2.28 | 2.79 | 3.67 | 2.24 | 6.03 | ..... |
| Rison | 9.28 | 2.74 | 1.70 | 2.79 | 2.15 | 4.47 | 1.48 | 1.65 | 4.37 | 2.67 | 7.63 | 3.99 | 38.92 |
| Rogers | 11.31 | 1.46 | 1.70 | 5.85 | 3.70 | 5.88 | 0.81 | 0.89 | 5.83 | 1.00 | 3.65 | 1.98 | 44.06 |
| Searcy | 9.36 | 1.78 | 3.50 | 3.46 | 3.23 | 5.86 | 1.52 | 3.88 | 7.51 | 3.17 | 2.82 | 2.09 | 48.18 |
| Sheridan | 13.00 | 2.20 | 2.30 | 2.30 | 1.80 | 3.90 | 2.20 | 3.00 | 1.50 | 2.90 | 2.20 | 3.60 | 40.90 |
| Springbank | 8.39 | 0.25 | 1.63 | 4.39 | 4.15 | 8.12 | 1.15 | 0.76 | 1.15 | 1.48 | 2.82 | 3.58 | 37.87 |
| Stuttgart | 10.16 | 3.99 | 1.75 | 3.16 | 3.60 | 2.92 | 4.01 | 1.97 | 1.63 | 4.75 | 2.33 | 5.64 | 45.91 |
| Subiaco | ..... | ..... | ..... | ..... | ..... | 2.65 | 0.35 | 2.11 | 3.86 | 1.69 | 3.74 | 2.68 | ..... |
| Texarkana | 7.82 | 0.33 | 1.27 | 3.47 | 3.05 | 5.34 | 1.39 | 5.70 | 0.39 | 2.19 | 2.60 | 2.02 | 35.57 |
| Warren | 8.80 | 2.45 | 2.00 | 3.20 | 3.30 | 4.75 | 5.00 | 4.20 | 2.15 | 3.90 | 2.70 | 2.30 | 44.75 |
| Whitecliffs | 8.56 | 0.06 | 0.80 | 2.00 | 1.80 | 4.41 | 1.50 | 0.38 | 1.23 | 2.62 | 3.22 | 0.90 | 27.48 |
| Wynne | 11.10 | 1.62 | 3.02 | 3.58 | 4.71 | 2.79 | 0.71 | 5.46 | 2.32 | 5.03 | 2.26 | 7.01 | 49.61 |
| *California.* | | | | | | | | | | | | | |
| Abbotts | 17.00 | 3.48 | 2.99 | 0.10 | 0.08 | 0.00 | 0.00 | 0.30 | 1.06 | 0.63 | 0.86 | 6.85 | 33.35 |
| Aguanga | 17.85 | 0.35 | 1.68 | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 0.08 | 1.50 | 0.12 | 2.65 | 24.31 |
| Alturas | 4.35 | 0.67 | 0.64 | 0.75 | 2.57 | 0.18 | 0.48 | 0.62 | 0.16 | 2.17 | 0.63 | 2.00 | 15.22 |
| American Camp | 17.63 | 6.06 | 9.93 | 1.20 | 0.30 | 0.00 | 0.00 | 0.20 | 2.30 | 2.50 | 2.35 | 10.85 | 53.32 |
| Angiola | 4.49 | 0.20 | 1.30 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 1.43 | 0.00 | 0.97 | 9.16 |
| Antelope Valley | 7.13 | 0.61 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.28 | 1.24 | 0.08 | 2.85 | 13.32 |
| Antioch | 9.37 | 1.72 | 0.81 | T. | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | 0.48 | 0.54 | 2.81 | 15.98 |
| Arrowhead Springs | 13.00 | 3.33 | 3.23 | 0.78 | 0.55 | 0.00 | 0.00 | 0.04 | 1.34 | 2.65 | 0.36 | 4.34 | 29.62 |
| Atascadero | 15.51 | 1.72 | 1.55 | 0.15 | 0.00 | 0.00 | 0.00 | 0.08 | 0.82 | 1.52 | 0.36 | 10.02 | 31.73 |
| Auberry | 15.19 | 4.19 | 4.24 | 1.28 | 0.38 | 0.00 | 0.00 | 0.18 | 0.74 | 3.13 | 1.31 | 5.99 | 36.63 |
| Auburn | 13.17 | 5.60 | 2.60 | 0.35 | 0.64 | T. | 0.00 | T. | 0.20 | 1.27 | 2.54 | 6.40 | 32.77 |
| Avalon | ..... | 1.69 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 1.20 | 0.09 | 3.31 | ..... |
| Azusa | 20.32 | 1.68 | 2.39 | 0.10 | 0.15 | 0.00 | T. | T. | 0.75 | 3.88 | 0.29 | 5.04 | 34.60 |
| Bagdad | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | T. | 0.88 |
| Bakersfield | 2.70 | 0.01 | 1.23 | 0.33 | 0.04 | 0.00 | 0.00 | 0.03 | 0.33 | 1.58 | 0.63 | 1.08 | 7.96 |
| Barstow | 3.39 | 0.45 | 0.20 | 0.44 | 0.22 | 0.00 | 1.35 | 0.00 | 0.10 | 0.27 | 0.00 | 0.70 | 7.12 |
| Bear Valley Dam | 37.60 | 3.88 | 7.55 | 0.73 | 0.58 | 0.00 | 0.23 | 0.55 | 1.66 | 5.07 | 0.42 | 7.38 | 65.65 |
| Beaumont | 16.16 | 2.00 | 1.66 | 0.25 | 0.93 | 0.00 | 0.07 | 0.63 | 0.76 | 2.04 | 0.33 | 2.52 | 27.35 |
| Beaumont (near) | 21.30 | 1.90 | 2.53 | 0.24 | 1.19 | 0.00 | 0.91 | 0.75 | 0.90 | 3.69 | 0.18 | 3.66 | 37.25 |
| Belotta | 10.25 | 4.20 | 2.61 | 0.34 | 0.37 | 0.00 | 0.00 | 0.00 | 0.35 | 2.01 | 1.05 | 4.79 | 25.97 |
| Ben Lomond | 29.07 | 7.25 | 4.05 | 0.00 | T. | 0.00 | 0.05 | 0.00 | 0.61 | 0.59 | 1.55 | 15.88 | 59.05 |
| Berkeley | 15.54 | 4.51 | 1.91 | 0.01 | 0.06 | 0.02 | 0.20 | 0.72 | 1.35 | 0.86 | 1.33 | 5.56 | 33.07 |
| Betteravia | 7.86 | 1.20 | 1.33 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 1.78 | 0.49 | 6.06 | 20.91 |
| Big Bar | 11.32 | 5.42 | 4.76 | 1.04 | 0.60 | 1.43 | 0.34 | 0.16 | 0.23 | 0.14 | 4.64 | 6.30 | 36.38 |
| Biggs | 10.13 | 2.72 | 0.73 | 0.00 | 0.36 | 0.54 | 0.00 | 0.00 | T. | 1.51 | 2.14 | 4.00 | 22.13 |
| Big Sur | 21.42 | 9.41 | 4.46 | 0.35 | 0.43 | 0.00 | 0.00 | 0.00 | 0.75 | 2.44 | 1.35 | 11.03 | 51.64 |
| Bishop | 9.51 | 0.50 | 0.70 | 0.10 | 0.00 | T. | 0.00 | 0.10 | 0.54 | 0.78 | 0.00 | 2.70 | 14.93 |
| Bishop Creek | 9.10 | 2.30 | ..... | ..... | 0.50 | 0.00 | 0.00 | 1.85 | 0.50 | 4.22 | 0.02 | 3.33 | ..... |
| Blocksburg | 17.06 | 7.48 | 8.44 | ..... | ..... | 1.15 | 2.43 | ..... | ..... | ..... | ..... | ..... | ..... |
| Blue Canon | 31.49 | 10.10 | 8.20 | 1.80 | 1.35 | 0.00 | 1.30 | T. | 0.80 | 1.91 | 4.65 | 13.57 | 73.10 |
| Blythe | 1.49 | T. | 0.29 | T. | ..... | 0.00 | T. | 0.25 | 1.01 | 0.00 | 0.00 | 0.58 | 3.62 |
| Boca | 23.60 | 2.80 | 4.50 | 0.00 | 0.70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Bonita | 10.29 | 0.67 | 1.19 | 0.02 | 0.00 | 0.00 | T. | T. | 0.23 | 1.17 | T. | 1.32 | 14.89 |
| Boulder Creek | 27.43 | 6.83 | 3.76 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.55 | 1.54 | 1.28 | 13.53 | 54.94 |
| Branscomb | 25.43 | 11.79 | 10.55 | 2.41 | 1.48 | 3.31 | 0.98 | 0.05 | 0.64 | 0.17 | 11.19 | 13.81 | 81.81 |
| Brawley | 1.39 | 0.05 | 1.04 | T. | 0.00 | 0.00 | 0.00 | 0.30 | T. | 0.00 | 0.00 | 0.06 | 2.84 |
| Bridgeport | 6.70 | 1.64 | 1.22 | T. | 0.17 | 0.00 | 0.00 | 0.08 | 0.30 | 2.06 | 0.24 | 1.00 | 13.41 |
| Burney | 11.25 | 0.79 | 1.43 | 0.81 | 1.80 | 0.90 | 1.12 | T. | 0.40 | 1.34 | 1.71 | 4.16 | 25.94 |
| Cahuilla | 14.61 | 0.77 | 2.25 | 0.00 | 0.13 | 0.00 | 0.00 | 0.10 | 0.18 | 1.95 | 0.00 | 1.50 | 21.49 |
| Calaveras Ranger Station | 23.84 | 7.57 | 7.63 | 1.29 | 0.83 | 0.00 | T. | 0.12 | 0.69 | 4.91 | 3.51 | ..... | ..... |
| Calexico | 1.09 | 0.00 | 1.41 | 0.25 | 0.00 | 0.00 | 0.00 | 1.25 | 0.40 | 0.00 | 0.00 | 0.04 | 4.44 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *California*—Continued. | | | | | | | | | | | | | |
| Campbell | 10.11 | 1.42 | 0.84 | 0.04 | T. | T. | 0.00 | T. | 0.85 | 0.59 | 0.63 | 4.08 | 18.56 |
| Camp Baldy | 25.88 | 3.49 | 5.46 | 0.41 | 0.60 | 0.00 | ..... | ..... | 1.95 | 7.31 | ..... | 2.90 | ..... |
| Camp Bonita | 28.74 | 2.79 | 3.75 | 0.22 | 0.30 | 0.00 | 0.00 | 0.07 | 0.60 | 4.55 | 0.18 | 6.45 | 47.65 |
| Camp Iron Forks | 29.01 | 3.85 | 4.43 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Campo | 20.44 | 0.90 | 3.81 | 0.19 | 0.00 | 0.00 | 0.18 | 0.85 | 0.43 | 0.85 | 0.00 | 2.32 | 29.97 |
| Camptonville (near) | 29.01 | 13.82 | 6.81 | 1.10 | 2.27 | 0.18 | 0.59 | 0.05 | 0.72 | 4.19 | 6.85 | 13.89 | 79.48 |
| Canon Dam | 19.22 | 4.40 | 3.21 | 0.88 | 1.75 | 0.15 | 0.23 | T. | 0.16 | 2.05 | 3.56 | 8.56 | 44.17 |
| Cascada | 21.07 | 5.18 | 6.38 | 0.65 | 1.08 | 0.13 | 0.00 | 0.35 | 0.07 | 3.45 | 1.80 | 5.07 | 45.13 |
| Cedarville | 3.72 | 0.46 | 0.59 | 0.68 | 1.49 | 0.06 | 0.22 | 0.34 | 0.16 | 1.18 | 0.86 | 2.15 | 11.91 |
| Centerville | 22.08 | 5.56 | 3.23 | 0.51 | 1.59 | 0.61 | 0.65 | T. | 0.36 | 2.61 | 3.89 | 7.67 | 48.76 |
| Chester | 15.81 | 2.45 | 2.73 | 0.88 | 1.88 | 0.51 | 0.35 | 0.10 | 0.02 | 1.57 | 2.85 | 4.69 | 33.84 |
| Chico | 14.17 | 3.28 | 1.91 | 0.27 | 1.45 | 0.80 | 0.68 | 0.00 | 0.40 | 2.10 | 2.09 | 4.94 | 32.09 |
| China Flat | 16.74 | 6.67 | 5.90 | 1.07 | 1.02 | 1.07 | 0.59 | 0.46 | 0.27 | 0.12 | 5.27 | 7.35 | 46.53 |
| Cisco | 26.20 | 6.50 | 7.60 | 1.40 | 0.40 | T. | 2.00 | T. | 0.50 | 0.50 | ..... | ..... | ..... |
| Claremont | 18.37 | 1.60 | 1.92 | 0.24 | 0.18 | 0.00 | 0.00 | 0.02 | 0.34 | 2.85 | 0.28 | 4.26 | 30.06 |
| Clearwater Power House | 11.34 | 2.03 | 2.02 | 0.65 | 0.28 | 0.00 | 0.00 | 0.00 | ..... | 2.48 | 0.15 | 4.79 | ..... |
| Cloverdale | 16.73 | 4.31 | 3.21 | 0.30 | 0.51 | 0.15 | 0.41 | 0.35 | 0.09 | 0.26 | 2.53 | 8.16 | 37.01 |
| Coalinga | 5.06 | 0.92 | 0.93 | 0.27 | T. | 0.00 | 0.00 | 0.00 | 0.28 | 1.01 | 0.23 | 1.47 | 10.17 |
| Colfax | 22.13 | 8.82 | 6.26 | 0.80 | 1.14 | 0.00 | 1.85 | T. | 0.92 | 2.56 | 4.10 | 10.68 | 59.26 |
| Colgate | 21.12 | 8.10 | 3.71 | 0.55 | 1.75 | 0.00 | 0.39 | T. | 0.65 | 2.90 | 4.87 | 6.92 | 50.96 |
| Colusa | ..... | 1.76 | ..... | 0.00 | 0.15 | 0.75 | 0.02 | 0.13 | 0.24 | 0.94 | ..... | 3.07 | ..... |
| Converse Nursery | 28.41 | 3.19 | 4.72 | 0.93 | 0.64 | 0.00 | 1.59 | 0.34 | 0.62 | 2.01 | 0.27 | 5.04 | 47.76 |
| Corona | 17.12 | 1.59 | 1.56 | 0.02 | 0.07 | 0.00 | 0.00 | T. | 0.55 | 1.11 | 0.11 | 4.46 | 26.59 |
| Covelo | 12.63 | 2.84 | 3.19 | 0.76 | 0.21 | 1.20 | 0.05 | 0.10 | T. | T. | 3.68 | 6.28 | 30.94 |
| Crescent City | 23.18 | 13.53 | 15.53 | 6.43 | 4.88 | 2.49 | 4.17 | 0.08 | 0.88 | 1.49 | 9.15 | 9.35 | 91.16 |
| Cuyamaca | 36.50 | 3.50 | 4.51 | 0.74 | 0.64 | 0.00 | 2.12 | 2.09 | 1.35 | 5.13 | 0.13 | 5.26 | 61.97 |
| Davis | 11.01 | 1.93 | 1.14 | 0.11 | 0.10 | 0.00 | 0.00 | 0.02 | 0.17 | 0.46 | 0.35 | 4.81 | 20.10 |
| Deer Creek | 33.54 | 10.99 | 9.37 | 1.80 | 2.20 | 0.00 | 0.00 | 0.00 | 1.08 | 3.63 | 6.42 | 18.52 | 87.55 |
| Del Monte | 10.10 | 2.27 | 1.63 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.73 | 0.65 | 4.28 | 20.43 |
| Delta | 31.51 | 7.65 | 12.00 | 0.32 | 1.35 | 1.17 | 0.30 | 0.00 | T. | ..... | ..... | ..... | ..... |
| Denair | 3.86 | 1.90 | 1.57 | 0.20 | T. | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | T. | ..... | ..... |
| De Sabla | 31.37 | 10.29 | 5.17 | 1.11 | 2.76 | 1.00 | 0.00 | T. | 0.22 | 4.36 | 7.29 | 12.55 | 76.12 |
| Dinuba | 6.16 | 2.52 | 2.22 | 0.18 | 0.47 | 0.00 | 0.00 | 0.54 | 0.58 | 1.43 | 0.48 | 3.77 | 18.25 |
| Dobbins (near) | 18.89 | 8.40 | 3.47 | 0.48 | 1.69 | 0.09 | 0.34 | 0.00 | 0.68 | 2.10 | 4.96 | 7.78 | 48.88 |
| Dorman Ranch | 57.91 | 5.11 | 7.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Downieville | 30.22 | 9.62 | 7.81 | 1.89 | 2.40 | 0.12 | 1.05 | 0.30 | 0.69 | 3.44 | 4.81 | 12.97 | 75.32 |
| Dudley | 3.54 | 0.59 | 1.26 | 0.23 | 0.03 | 0.00 | 0.00 | 0.17 | 0.39 | 1.47 | 0.00 | 0.53 | 8.21 |
| Dudleys | 19.60 | 6.52 | 8.34 | 1.18 | 0.51 | T. | T. | 0.10 | 0.52 | 2.99 | 2.89 | 9.03 | 51.68 |
| Dunsmuir | 21.26 | 9.98 | 7.56 | 0.44 | 1.63 | 0.00 | 1.59 | 0.64 | 0.07 | 0.23 | 4.34 | 8.00 | 55.74 |
| Durham | 12.61 | 3.43 | 1.60 | 0.10 | 0.60 | 0.75 | 0.68 | T. | 0.60 | 2.04 | 1.80 | 4.13 | 28.34 |
| East Park | 8.12 | 2.47 | 0.78 | T. | 0.19 | 0.15 | 0.24 | 0.25 | 0.10 | 1.15 | 1.02 | 4.22 | 18.69 |
| Edison | 4.93 | 0.71 | 2.15 | 0.25 | 0.47 | 0.00 | 0.00 | 0.00 | 0.72 | 1.97 | 0.71 | 2.29 | 14.20 |
| Elcajon | 16.68 | 1.57 | 1.27 | 0.15 | 0.12 | 0.00 | 0.30 | 0.10 | 0.22 | 1.57 | 0.00 | 2.11 | 24.09 |
| Electra | 13.97 | 4.67 | 5.26 | 0.64 | 0.45 | 0.00 | 0.02 | 0.00 | 0.53 | 3.02 | 2.34 | 7.73 | 38.63 |
| Elsinore | 14.83 | 0.78 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.02 | 0.51 | 0.95 | 0.04 | 2.23 | 20.70 |
| Emigrant Gap | 22.62 | 6.83 | 8.92 | 1.16 | 1.78 | 0.00 | 0.64 | 0.00 | 0.80 | 1.00 | 4.57 | 15.35 | 63.67 |
| Escondido | 19.55 | 1.62 | 1.15 | 0.37 | 0.09 | 0.00 | 0.00 | 0.18 | 0.30 | 1.51 | 0.28 | 2.93 | 27.98 |
| Eureka | 13.02 | 5.18 | 4.83 | 1.98 | 1.48 | 1.00 | 1.34 | 0.12 | 0.38 | 0.47 | 3.13 | 5.47 | 38.40 |
| Fairmont | 11.59 | 1.74 | 1.66 | 0.37 | 0.07 | 0.00 | 0.00 | T. | 0.36 | 1.38 | 0.11 | 4.33 | 21.61 |
| Felton | 24.61 | 6.76 | 4.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 0.70 | 1.47 | 14.21 | 52.52 |
| Firebaugh | 3.63 | 1.27 | 1.17 | 0.50 | T. | 0.00 | 0.00 | T. | 0.35 | 1.24 | 0.29 | 1.15 | 9.60 |
| Folsom | 13.47 | 5.64 | 2.37 | 0.34 | 0.31 | 0.00 | 0.30 | T. | 0.42 | 0.71 | 1.69 | 5.38 | 30.63 |
| Fontana | 17.51 | 1.58 | 2.38 | 0.20 | 0.17 | T. | 0.00 | T. | 0.57 | 2.18 | 0.13 | 4.11 | 28.83 |
| Forduce Dam | 28.18 | 9.80 | 11.14 | 0.77 | 2.90 | T. | 0.00 | 0.40 | 1.00 | 4.14 | 5.52 | 12.62 | 76.47 |
| Fort Bidwell | 3.95 | 1.11 | 1.40 | 0.58 | 1.09 | 0.21 | 0.58 | 0.28 | 0.15 | 1.49 | 1.55 | 1.51 | 13.90 |
| Fort Bragg | 14.70 | 4.97 | 3.19 | 0.85 | 0.76 | 2.14 | 0.96 | 0.16 | 0.11 | T. | 4.79 | 5.28 | 37.91 |
| Fort Ross | 20.83 | 8.64 | 4.48 | 0.05 | 0.00 | 1.28 | 1.25 | 0.31 | 0.22 | 0.00 | 6.28 | 10.90 | 54.24 |
| Fresno | 5.17 | 1.67 | 1.81 | 0.02 | T. | 0.00 | T. | 0.08 | 0.38 | 1.16 | 0.28 | 1.93 | 12.50 |
| Friant | 7.32 | 2.86 | 2.40 | 0.12 | T. | 0.00 | 0.00 | 0.20 | 0.62 | 2.03 | 0.59 | 2.92 | 19.06 |
| Georgetown | 25.76 | 10.43 | 8.48 | 0.90 | 0.96 | 0.00 | 0.40 | 0.25 | 0.50 | 3.25 | 5.10 | 13.55 | 69.58 |
| Glenn Ranch | 32.27 | 2.99 | 3.20 | 0.14 | 0.16 | 0.00 | 0.00 | 0.45 | 0.10 | 4.91 | 0.00 | 9.38 | 53.60 |
| Glennville | 11.38 | 2.30 | 3.66 | 0.67 | 0.97 | 0.00 | 0.00 | 0.12 | 0.45 | 2.53 | 1.09 | 5.69 | 28.86 |
| Goffs | ..... | ..... | ..... | ..... | 0.00 | 0.00 | 1.17 | 0.13 | 0.27 | 0.17 | 0.00 | 0.90 | ..... |
| Gold Run | 17.53 | 5.52 | 5.75 | 0.06 | 1.53 | T. | 0.50 | 0.00 | 1.00 | 2.40 | 4.81 | 10.45 | 49.55 |
| Grass Valley | 27.42 | 9.98 | 5.54 | 1.60 | 1.48 | 0.08 | 0.71 | 0.04 | 0.62 | 2.57 | 4.89 | 14.32 | 69.25 |
| Gray Mountain | 2.32 | 0.50 | 0.40 | 0.00 | T. | 0.00 | T. | 0.37 | 0.17 | 0.10 | 0.00 | 1.25 | 5.11 |
| Greenland Ranch | 1.51 | 0.20 | 0.02 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 2.23 |
| Gridley | 9.98 | 3.01 | 1.84 | 0.05 | 0.47 | 0.18 | 0.37 | T. | 0.41 | 1.77 | 1.54 | 4.18 | 23.80 |
| Groveland | 24.21 | 4.90 | 9.21 | 0.48 | 0.16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hanford | 4.68 | 1.72 | 1.44 | 0.15 | 0.16 | 0.00 | 0.00 | 0.28 | 0.47 | 1.09 | 0.21 | 1.35 | 11.55 |
| Happy Camp | 15.93 | 6.34 | 6.39 | 2.15 | 1.80 | 0.79 | 1.36 | 0.28 | 0.14 | 0.45 | 5.70 | 7.36 | 48.69 |
| Haylork | 12.61 | 4.18 | 2.88 | 0.73 | 0.27 | 1.03 | 0.22 | 0.07 | 0.15 | T. | 3.40 | 8.05 | 33.59 |
| Head Dam | 24.96 | 10.11 | 4.66 | 0.87 | 1.72 | 0.10 | 0.44 | 0.00 | 0.63 | 2.55 | 5.99 | 10.50 | 62.53 |
| Healdsburg | 20.11 | 4.92 | 3.63 | 0.39 | 0.32 | T. | 0.85 | 0.52 | 0.28 | 0.57 | 2.03 | 7.60 | 41.22 |
| Hearst (near) | 16.37 | 5.02 | 4.49 | 0.52 | 0.60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Helen Mine | 38.62 | 15.36 | 9.11 | 0.32 | 1.52 | 0.54 | 1.16 | 0.15 | 0.32 | 1.33 | 6.20 | 13.52 | 88.15 |
| Hetch Hetchy | 11.23 | 3.92 | 5.01 | 1.05 | 0.66 | T. | 0.00 | 0.59 | 1.16 | 6.72 | ..... | ..... | ..... |
| Hollister | 9.54 | 2.35 | 1.19 | 0.76 | 0.07 | 0.00 | 0.00 | 0.00 | 0.51 | 1.46 | 0.45 | 3.58 | 19.91 |
| Hot Springs | 19.42 | 3.71 | 5.88 | 0.87 | 1.26 | 0.00 | 0.00 | 0.08 | 0.65 | 4.08 | 1.10 | 8.41 | 45.46 |
| Hullville (near) | 22.18 | 7.85 | 5.32 | 0.54 | 0.80 | 1.11 | 0.51 | 0.20 | 0.31 | 0.26 | 6.78 | 10.75 | 56.61 |
| Huntington Lake | 20.20 | 7.49 | 6.40 | 0.89 | 1.20 | 0.00 | 0.00 | 0.63 | T. | 3.02 | 1.49 | 5.51 | 46.83 |
| Hyampom | 11.85 | 5.23 | 5.45 | 1.26 | 0.24 | T. | 0.33 | T. | 0.00 | 0.00 | ..... | ..... | ..... |
| Independence | 8.69 | 0.57 | 0.31 | 0.21 | 0.01 | 0.00 | 0.00 | 0.22 | 0.07 | 0.84 | 0.00 | 1.92 | 12.84 |
| Indio | 3.53 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.30 | 0.03 | 0.72 | T. | 0.00 | 0.52 | 5.12 |
| Inskip | 40.87 | 13.03 | 9.14 | 2.46 | 3.33 | 1.39 | 1.71 | 0.15 | 0.25 | 3.77 | 8.31 | 17.44 | 101.85 |
| Jacksonville | 15.32 | 4.41 | 5.84 | 0.66 | 0.20 | 0.00 | 0.00 | T. | 0.15 | 1.85 | 1.81 | 6.47 | 36.71 |
| Jenny Lind | 9.84 | 3.43 | 4.09 | 0.25 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 1.04 | 5.32 | 25.59 |
| Jolon | 13.03 | 2.38 | 3.08 | 0.17 | 0.12 | 0.00 | 0.00 | T. | 1.07 | 2.59 | 0.55 | 4.38 | 27.37 |
| Julian | 35.85 | 2.22 | 5.40 | 0.42 | 0.96 | 0.00 | 0.34 | 1.52 | 1.09 | 4.20 | 0.24 | 4.79 | 57.03 |
| Kennedy Mine | 11.38 | 4.43 | 3.91 | 0.63 | 0.45 | 0.00 | 0.04 | 0.00 | 0.47 | 1.79 | 1.77 | 4.14 | 29.01 |
| Kennett | 26.19 | 14.00 | 7.23 | 0.34 | 0.72 | 2.20 | 2.90 | 0.10 | 0.02 | 1.19 | 6.60 | 9.48 | 70.97 |
| Kentfield | 26.80 | 7.94 | 3.08 | 0.00 | 0.20 | T. | 0.00 | 0.45 | 1.56 | 1.08 | 2.94 | 9.93 | 53.98 |
| Kernville | 14.30 | 1.44 | 1.98 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.20 | 1.56 | 0.28 | 5.51 | 25.40 |
| King City | 6.17 | 0.83 | 1.67 | 0.30 | 0.05 | 0.00 | 0.00 | T. | 0.97 | 1.20 | 0.00 | 2.11 | 13.30 |
| Kinsley | ..... | 4.93 | 6.75 | 0.79 | 0.31 | 0.00 | T. | T. | 0.43 | 3.87 | 2.44 | ..... | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *California*—Continued. | | | | | | | | | | | | | |
| Knights Landing | 9.10 | 1.84 | 0.88 | 0.02 | 0.54 | 0.02 | 0.08 | 0.10 | 0.17 | 0.71 | 0.68 | 3.82 | 17.96 |
| La Jolla | 27.95 | 1.75 | 2.51 | 0.28 | 0.00 | 0.00 | 1.00 | 0.50 | 0.58 | 4.36 | 0.27 | 4.70 | 43.90 |
| Lake Eleanor | 22.12 | 4.53 | 3.53 | 1.16 | 1.15 | T. | T. | 0.93 | 1.21 | 4.68 | 3.14 | 11.15 | 53.60 |
| Lake Spaulding | 32.45 | 11.45 | 9.45 | 1.00 | 2.40 | 0.00 | 0.70 | 0.00 | 0.90 | 3.80 | 5.32 | 14.23 | 81.70 |
| La Porte | 24.56 | 9.45 | 6.43 | 3.32 | 2.24 | 0.25 | 1.30 | 1.20 | 0.70 | 5.26 | 5.74 | 12.39 | 72.84 |
| Las Plumas | 26.87 | 7.49 | 3.25 | 0.53 | 1.54 | 0.66 | 0.28 | T. | 0.31 | 2.67 | 3.92 | 9.32 | 56.84 |
| Lathrop | 6.77 | 2.62 | 1.29 | 0.34 | 0.16 | 0.00 | 0.00 | T. | 0.17 | 0.71 | 0.69 | 2.62 | 15.37 |
| Laurel | 27.72 | 6.37 | 4.01 | 0.00 | 0.33 | 0.00 | 0.18 | 0.00 | 0.52 | 1.20 | 0.78 | 15.71 | 56.82 |
| Le Grand | 6.92 | 3.65 | 2.80 | 0.69 | 0.15 | 0.00 | 0.00 | 0.00 | 0.37 | 0.95 | 0.79 | 3.37 | 19.69 |
| Lemon Cove | 7.59 | 2.13 | 2.43 | 0.70 | 0.38 | 0.00 | 0.00 | T. | T. | 2.75 | 0.40 | 3.58 | 19.96 |
| Lick Observatory | 14.67 | 4.05 | 2.96 | 0.47 | 0.63 | 0.00 | 0.12 | 0.00 | 0.69 | 0.92 | 1.69 | 8.03 | 34.23 |
| Lindsay | 6.93 | 1.32 | 1.96 | 0.22 | 0.24 | 0.00 | 0.00 | 0.00 | 0.03 | 2.80 | 0.00 | 2.56 | 16.06 |
| Littlelands | 16.58 | 1.86 | 1.48 | 0.00 | 0.64 | ..... | ..... | ..... | ..... | 3.40 | 0.32 | 4.91 | ..... |
| Livermore | 11.35 | 2.17 | 1.47 | 0.21 | 0.05 | T. | 0.00 | T. | 0.44 | 0.50 | 0.68 | 3.28 | 20.15 |
| Lone Pine | 4.95 | 0.52 | 0.07 | 0.20 | T. | 0.00 | 0.00 | 0.11 | 0.00 | 1.90 | T. | 2.08 | 9.83 |
| Lordsburg | 20.49 | 1.92 | 2.32 | 0.32 | 0.15 | 0.00 | 0.00 | 0.00 | 0.72 | 2.82 | 0.00 | 4.81 | 33.55 |
| Los Alamos | 8.62 | 1.47 | 1.35 | 0.20 | 0.04 | 0.00 | 0.00 | T. | 1.90 | 2.54 | 0.27 | 7.79 | 24.18 |
| Los Angeles | 13.30 | 1.82 | 0.90 | T. | 0.03 | 0.00 | 0.00 | T. | 0.77 | 2.71 | 0.09 | 3.67 | 23.29 |
| Los Gatos | 20.78 | 3.44 | 2.35 | T. | 0.05 | 0.00 | T. | T. | 0.61 | 0.96 | 0.48 | 9.93 | 38.60 |
| Lowe Observatory | 19.86 | 2.87 | 4.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 5.00 | 0.30 | 6.40 | 40.38 |
| McCloud | 21.13 | 6.41 | 8.22 | 0.58 | 0.89 | 2.43 | 1.62 | 0.21 | T. | 0.31 | 3.15 | 7.55 | 52.50 |
| Madeline | 8.02 | 1.42 | 2.35 | 0.75 | 2.07 | T. | 0.34 | 0.17 | 0.20 | 1.07 | 0.72 | 1.49 | 18.60 |
| Magalia | 35.80 | 31.59 | 5.15 | 0.72 | 2.98 | 0.60 | 1.32 | 0.05 | 0.54 | 5.00 | 6.90 | 11.10 | 101.75 |
| Maricopa | 1.62 | 0.13 | 1.56 | 0.59 | 0.04 | 0.00 | 0.00 | T. | 0.59 | 1.20 | 0.16 | 1.30 | 7.19 |
| Mariposa | 16.02 | 4.14 | 5.98 | 0.32 | 0.20 | 0.00 | 0.01 | 0.23 | 0.31 | 3.52 | 1.75 | 6.64 | 39.12 |
| Marysville | 10.37 | 2.66 | 1.37 | T. | 0.44 | T. | 0.00 | 0.00 | T. | 1.20 | 1.99 | 3.96 | 21.99 |
| Meadow Valley | 3.25 | 6.37 | 2.57 | 1.50 | 1.80 | 0.20 | 0.00 | 0.00 | 0.72 | 1.60 | 3.60 | 3.47 | 25.08 |
| Mecca | 2.10 | T. | 0.20 | 0.00 | 0.00 | 0.00 | 0.85 | T. | T. | T. | 0.00 | 0.02 | 3.17 |
| Melones | 12.65 | 5.98 | 6.19 | 0.48 | 0.25 | 0.00 | 0.00 | 0.00 | 0.15 | 2.90 | 1.81 | 7.99 | 38.40 |
| Merced | 5.88 | 2.94 | 2.94 | 0.29 | 0.02 | 0.00 | 0.00 | 0.25 | 0.25 | 0.87 | 0.75 | 2.28 | 16.47 |
| Merced Falls | 8.12 | 2.88 | 3.47 | 0.50 | 0.20 | 0.00 | T. | 0.03 | 0.51 | 0.79 | 1.06 | 3.58 | 21.14 |
| Mesa Grande | 33.28 | 2.34 | 3.54 | 0.93 | 0.40 | 0.00 | 0.11 | 0.00 | 0.43 | 3.66 | 0.24 | 4.00 | 48.93 |
| Middlewater | 3.92 | 0.47 | 0.70 | 0.15 | 0.00 | 0.00 | 0.00 | 0.05 | 0.67 | 1.69 | 0.06 | 1.38 | 9.09 |
| Mill Creek (No. 1) | 22.40 | 7.22 | 7.42 | 1.52 | 1.32 | 0.00 | 0.05 | 0.09 | 0.60 | 4.93 | 3.92 | 11.87 | 61.34 |
| Mill Creek (No. 2) | 15.95 | 2.58 | 1.36 | 0.70 | 0.98 | 0.00 | 0.09 | 0.74 | 1.50 | 2.87 | 0.05 | 2.58 | 29.40 |
| Mills College | 14.78 | 3.79 | 1.16 | 0.04 | 0.12 | T. | 0.06 | 1.02 | 1.24 | 1.07 | 1.46 | 4.92 | 29.66 |
| Milo | 17.38 | 4.00 | 2.00 | 0.46 | 0.74 | 0.00 | 0.00 | 0.15 | T. | 3.91 | 0.67 | 7.38 | 36.69 |
| Milton (near) | 9.53 | 2.73 | 4.39 | 0.40 | 0.35 | 0.00 | 0.00 | T. | T. | 0.65 | 0.85 | 5.88 | 25.84 |
| Mineral | ..... | 4.22 | 5.72 | 1.82 | 1.54 | 2.24 | 0.67 | 0.50 | 0.14 | ..... | ..... | ..... | ..... |
| Mitchell Mill | 19.33 | 5.76 | 7.44 | 1.06 | 0.87 | 0.00 | 0.02 | 0.10 | 0.90 | ..... | ..... | ..... | ..... |
| Mokelumne Hill | 12.37 | 4.05 | 5.65 | 0.36 | 0.56 | 0.00 | 0.00 | 0.00 | 0.45 | 2.36 | 2.13 | 7.33 | 35.26 |
| Montague | 2.66 | 1.49 | 1.05 | 0.53 | 0.53 | 0.68 | 1.08 | 0.26 | 0.39 | 0.01 | 1.11 | 1.75 | 11.54 |
| Montgomery Creek | 8.35 | 7.10 | 6.85 | 1.25 | 1.30 | 1.98 | 2.95 | 0.25 | 0.40 | 1.82 | 4.70 | 5.70 | 42.65 |
| Mount Tamalpais | 12.61 | 4.90 | 1.32 | 0.05 | 0.17 | 0.02 | 0.09 | 0.27 | 1.29 | 0.85 | 1.95 | 5.42 | 28.94 |
| Mount Wilson | 24.47 | 3.14 | 3.46 | 0.28 | 0.33 | 0.00 | 0.00 | 0.05 | 0.84 | 6.13 | 0.28 | 6.40 | 45.38 |
| Napa (S. H.) | 15.22 | 1.45 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Needles | 1.56 | 0.27 | 0.04 | 0.00 | 0.15 | 0.00 | 0.30 | 0.32 | 0.78 | 0.00 | 0.00 | 0.00 | 3.42 |
| Nellie | 44.41 | 3.63 | 6.31 | 0.62 | 1.13 | 0.00 | 0.35 | 0.82 | 0.50 | 6.79 | 0.51 | 4.53 | 69.60 |
| Nenach | 3.70 | 0.75 | 2.18 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.50 | 1.00 | 0.00 | 3.55 | 11.74 |
| Nevada City | 23.58 | 6.39 | 5.71 | 1.51 | 0.98 | 0.08 | 0.48 | 0.06 | 0.73 | 2.80 | 4.05 | 10.96 | 57.33 |
| Newman | 6.79 | 2.05 | 1.44 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.45 | 0.25 | 2.51 | 14.00 |
| North Bloomfield | 23.90 | 6.15 | 8.56 | 1.95 | 1.79 | T. | 0.65 | 0.00 | 0.82 | 2.41 | 5.00 | 8.64 | 59.87 |
| North Fork | 23.09 | 5.07 | 5.81 | 0.50 | 0.04 | 0.00 | T. | 0.10 | 0.47 | 3.65 | 1.52 | 7.00 | 47.25 |
| North Lakeport | 11.24 | 3.33 | 1.61 | 0.26 | 0.26 | 0.27 | 0.15 | 0.24 | 0.14 | 0.27 | 2.17 | 6.06 | 25.97 |
| Oak Grove | 22.05 | 0.60 | 1.64 | 0.05 | 0.06 | 0.00 | 0.18 | 1.09 | 0.06 | 1.38 | T. | 3.45 | 30.56 |
| Oakland | 14.58 | 3.51 | 1.42 | 0.02 | 0.06 | T. | 0.08 | 1.11 | 1.45 | 1.13 | 1.60 | 5.73 | 30.69 |
| Oceanside | 10.90 | 1.38 | 1.37 | T. | T. | T. | T. | T. | 0.48 | 2.23 | 0.00 | 2.49 | 18.85 |
| Ojai Valley | 20.82 | 2.03 | 1.52 | 0.32 | 0.01 | 0.00 | 0.00 | T. | 1.40 | 3.24 | 0.13 | 6.78 | 36.25 |
| Orland | 6.71 | 1.63 | 1.07 | 0.00 | 0.18 | 0.75 | 0.61 | 0.16 | 0.27 | 1.14 | 0.80 | 2.95 | 16.27 |
| Orleans | 13.88 | 7.23 | 5.37 | 2.07 | 1.46 | 1.42 | 1.55 | 0.04 | 0.17 | 0.31 | 5.75 | 6.71 | 45.96 |
| Oroville (near) | 13.31 | 5.24 | 1.77 | 0.23 | 1.01 | 0.65 | 0.30 | T. | 0.62 | 1.63 | 2.62 | 4.54 | 31.92 |
| Ozena | 8.38 | 0.64 | 2.19 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.83 | 1.13 | 0.12 | 3.05 | 16.86 |
| Pacoima | 14.58 | 1.88 | 2.01 | 0.23 | ..... | ..... | ..... | ..... | 0.40 | 3.91 | 0.42 | 6.51 | ..... |
| Parkfield | 10.86 | 2.02 | 1.66 | 0.16 | 0.09 | 0.00 | 0.00 | 0.26 | 0.44 | 0.84 | 0.32 | 4.59 | 21.24 |
| Pasadena | 16.45 | 1.96 | 1.36 | 0.13 | 0.10 | T. | 0.00 | T. | 0.47 | 3.98 | 0.29 | 4.12 | 28.86 |
| Paso Robles | 14.76 | 2.01 | 1.82 | 0.14 | 0.11 | 0.00 | 0.00 | 0.21 | 0.78 | 1.96 | 0.47 | 7.61 | 29.87 |
| Pattiway | 3.21 | 0.49 | 2.16 | 0.53 | T. | 0.00 | 0.00 | 0.30 | 0.72 | 1.07 | 0.00 | 2.92 | 11.40 |
| Peachland | 20.17 | 5.32 | 3.25 | 0.22 | 0.13 | 0.35 | 0.57 | 0.38 | 0.25 | 0.68 | 3.69 | 9.38 | 44.39 |
| Petaluma | 16.59 | 3.31 | 1.92 | 0.02 | 0.15 | 0.08 | 0.12 | 0.22 | 0.73 | 0.46 | 1.14 | 6.03 | 30.77 |
| Phoenix Dam | 16.71 | 5.38 | 3.54 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | ..... | 1.79 | 8.42 | ..... |
| Placerville | 18.40 | 7.02 | 6.84 | 0.37 | 0.70 | 0.00 | 0.20 | 0.02 | 0.36 | 1.48 | 2.79 | 7.09 | 45.27 |
| Point Loma | 10.09 | 0.50 | 1.14 | T. | 0.02 | 0.02 | T. | 0.02 | 0.21 | 1.18 | 0.08 | 1.79 | 15.05 |
| Point Reyes | 9.51 | 2.44 | 0.78 | 0.01 | 0.19 | 0.22 | 0.39 | 0.03 | 2.36 | 0.33 | 0.95 | 2.97 | 20.18 |
| Pomona | 18.74 | 1.77 | 2.12 | 0.27 | 0.10 | 0.00 | 0.00 | T. | 0.26 | 2.95 | 0.20 | 3.67 | 30.08 |
| Porterville | 5.66 | 1.17 | 1.93 | 0.27 | 0.31 | 0.00 | 0.00 | 0.00 | 0.05 | 3.02 | 0.49 | 3.61 | 16.51 |
| Portola | 11.30 | 0.42 | 2.43 | 0.11 | 0.67 | 0.00 | 0.00 | 0.09 | 0.13 | 0.04 | 0.13 | 3.58 | 18.90 |
| Priest Valley | 13.85 | 2.66 | 3.12 | 0.34 | 0.18 | 0.00 | 0.00 | 0.00 | 0.51 | 3.00 | 0.57 | 5.82 | 30.05 |
| Quincy | 19.53 | 6.02 | 4.40 | 2.14 | 1.97 | 0.40 | 0.02 | 0.18 | 0.52 | 1.87 | 4.70 | 7.50 | 49.25 |
| Red Bluff | 7.25 | 1.73 | 1.25 | 0.04 | 0.48 | 1.14 | 0.68 | T. | 0.08 | 2.60 | 1.28 | 3.56 | 20.09 |
| Redding | 13.98 | 6.55 | 2.40 | 0.41 | 0.91 | 0.93 | 2.64 | 0.07 | 0.10 | 1.10 | 3.24 | 6.09 | 38.42 |
| Redlands | 10.64 | 1.10 | 1.65 | 0.12 | 0.39 | 0.00 | 0.03 | 0.34 | 1.82 | 1.68 | 0.03 | 2.07 | 19.87 |
| Reedley | 5.73 | 2.32 | 1.98 | 0.14 | 0.91 | 0.00 | 0.00 | 0.20 | 0.25 | 1.62 | 0.00 | 3.84 | 16.99 |
| Represa | 11.08 | 5.62 | 1.48 | 0.00 | 0.07 | 0.00 | T. | 0.00 | T. | 0.75 | 2.04 | 3.90 | 24.94 |
| Rialto (near) | 39.79 | 4.26 | 4.33 | 1.07 | 0.90 | 0.00 | 0.00 | T. | 0.79 | 6.52 | 0.55 | 10.58 | 68.79 |
| Rio Vista | 13.12 | 2.91 | 2.01 | 0.06 | 0.16 | T. | 0.00 | 0.18 | 0.16 | 0.99 | 1.10 | 3.43 | 24.12 |
| Riverside | 9.66 | 1.43 | 1.38 | 0.02 | 0.12 | 0.00 | 0.00 | 0.22 | 0.99 | 1.18 | 0.03 | 1.57 | 16.60 |
| Rocklin | 9.42 | 3.63 | 1.56 | 0.15 | 0.50 | 0.00 | 0.00 | 0.00 | 0.45 | 1.19 | 1.27 | 2.49 | 20.66 |
| Rohnerville | 17.65 | 4.23 | 6.13 | 2.35 | 1.80 | 0.70 | 0.75 | 0.00 | 0.65 | 0.35 | 3.05 | 7.73 | 45.39 |
| Ruth | 21.36 | 7.88 | 8.25 | 1.48 | 1.07 | 1.84 | 0.87 | 0.30 | 0.23 | 0.04 | 5.56 | 9.80 | 58.66 |
| Sacramento | 9.35 | 2.45 | 1.06 | 0.06 | 0.10 | 0.01 | 0.07 | T. | 0.16 | 0.79 | 0.49 | 3.73 | 18.27 |
| St. Helena | 22.53 | 5.13 | 2.57 | 0.00 | 0.15 | 0.49 | 0.00 | 0.62 | 0.34 | 0.82 | 2.02 | 8.84 | 43.51 |
| Salinas | 9.16 | 2.75 | 1.71 | 0.16 | 0.06 | 0.00 | 0.00 | 0.00 | 1.28 | 0.40 | 0.63 | 2.66 | 18.81 |
| San Bernardino | 15.51 | 1.86 | 1.90 | 0.08 | 0.20 | 0.00 | 0.00 | 0.37 | 1.06 | 1.80 | 0.03 | 2.81 | 25.62 |
| San Diego | 7.56 | 0.66 | 0.98 | 0.01 | 0.01 | T. | 0.02 | 0.01 | 0.25 | 0.87 | 0.05 | 1.14 | 11.56 |
| San Francisco | 14.59 | 3.77 | 1.33 | 0.00 | 0.07 | T. | 0.03 | 0.29 | 1.20 | 0.52 | 1.50 | 4.79 | 28.09 |
| San Jacinto | 10.71 | 1.36 | 0.99 | 0.00 | 0.04 | 0.00 | 0.02 | 0.70 | 0.54 | 1.33 | 0.00 | 2.02 | 17.71 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *California*—Continued. | | | | | | | | | | | | | |
| San Jose | 8.71 | 1.83 | 1.10 | 0.06 | 0.01 | T. | T. | 0.01 | 0.78 | 0.84 | 0.41 | 3.48 | 17.23 |
| San Luis Obispo | 18.25 | 2.38 | 2.12 | 0.21 | 0.04 | 0.00 | 0.00 | T. | 1.94 | 1.82 | 0.38 | 9.26 | 36.40 |
| San Miguel Island | 10.77 | 1.81 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 1.56 | 0.14 | 5.10 | 21.49 |
| San Pedro | 7.80 | 1.10 | 0.40 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.31 | 0.80 | 0.08 | 3.24 | 13.83 |
| Santa Ana River | 30.81 | 3.60 | ..... | ..... | 0.00 | 0.00 | 0.00 | 0.50 | 1.30 | 3.49 | 0.10 | 3.84 | ..... |
| Santa Anita Forest Station | ..... | ..... | 4.68 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.60 | 5.69 | 0.27 | 8.28 | ..... |
| Santa Barbara | 17.24 | 1.89 | 1.71 | 0.30 | T. | 0.00 | 0.00 | 0.11 | 1.90 | 2.82 | 0.10 | 6.12 | 32.19 |
| Santa Clara | 9.10 | 2.00 | 1.21 | 0.08 | 0.02 | T. | T. | 0.01 | 0.65 | 0.66 | 0.48 | 3.80 | 18.01 |
| Santa Cruz | 15.49 | 5.77 | 2.85 | 0.07 | 0.25 | 0.00 | 0.25 | 0.00 | 0.65 | 0.70 | 1.35 | 6.75 | 34.13 |
| Santa Margarita | 25.06 | 2.94 | 1.71 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | 1.87 | 0.61 | 9.33 | 43.46 |
| Santa Monica | 14.69 | 1.54 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 1.36 | 0.19 | 4.06 | 23.11 |
| Santa Rosa | 15.20 | 3.53 | 1.89 | 0.00 | 0.65 | 0.06 | 0.61 | 0.32 | 0.32 | 1.17 | 2.68 | 5.92 | 32.35 |
| Seven Oaks | 31.55 | 3.25 | 2.90 | 0.22 | 0.00 | 0.00 | 1.28 | 0.22 | 1.06 | 2.24 | 0.20 | 3.51 | 46.43 |
| Shively | 22.77 | 5.76 | 7.39 | 2.03 | 1.58 | 0.79 | 0.37 | 0.11 | 0.35 | 0.09 | 8.68 | 8.99 | 53.91 |
| Sierra Madre | 18.74 | 2.84 | 2.93 | 0.10 | 0.22 | T. | T. | T. | 0.75 | 4.65 | 0.23 | 5.81 | 36.27 |
| Sierraville | 14.27 | 3.01 | 4.97 | 0.62 | 0.10 | 0.00 | 0.00 | 0.25 | 0.80 | 0.70 | 0.36 | 5.32 | 30.40 |
| Sisson | 15.80 | 3.98 | 3.86 | 0.06 | 0.54 | 0.62 | 0.20 | 0.76 | 0.00 | 0.40 | 0.92 | 5.92 | 33.06 |
| Sonora | 15.68 | 5.81 | 6.79 | 0.84 | 0.47 | 0.00 | 0.00 | 0.15 | 0.25 | 3.40 | 2.16 | 8.54 | 44.09 |
| Spreckels | 7.64 | 2.02 | 1.35 | 0.10 | T. | 0.00 | 0.00 | 0.03 | 1.50 | 0.37 | 0.55 | 2.40 | 15.96 |
| Springville (near) | 41.86 | 7.47 | 5.73 | 1.11 | 0.23 | 0.00 | 0.00 | 0.92 | 0.82 | 7.26 | 0.90 | 6.01 | 72.31 |
| Squirrel Inn | 50.29 | 6.77 | 5.28 | 1.25 | 1.57 | 0.00 | 0.00 | 0.10 | 1.51 | 6.54 | 0.70 | 8.18 | 82.19 |
| Stanwood | 24.71 | 8.17 | 5.12 | 1.35 | 2.00 | 0.15 | 0.80 | T. | 0.20 | 3.20 | 6.89 | 9.42 | 61.71 |
| Sterling | 0.60 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.60 | 2.00 |
| Stevenson Creek | 8.15 | ..... | 0.08 | 0.00 | 0.20 | 0.00 | 0.00 | 0.30 | 1.25 | 3.75 | 0.30 | 5.80 | ..... |
| Stirling City | 35.00 | 13.11 | 7.10 | 2.00 | 2.95 | 1.10 | 1.25 | T. | 0.00 | 5.50 | 7.77 | 11.81 | 87.59 |
| Stockton (S. H.) | 8.70 | 2.66 | 1.68 | 0.23 | 0.26 | 0.00 | T. | T. | 0.17 | 1.08 | 0.99 | 3.08 | 18.85 |
| Storey | 6.64 | 3.90 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 1.65 | 0.45 | 2.48 | 18.02 |
| Sulphur Banks | 11.52 | 2.71 | 0.96 | 0.00 | 0.70 | 0.22 | 0.34 | 0.54 | T. | 0.70 | 1.72 | 4.31 | 23.72 |
| Summit (No. 1) | 25.50 | 4.10 | 5.00 | 0.20 | 1.60 | 0.05 | 0.50 | T. | 1.15 | 3.00 | 3.60 | 10.00 | 54.70 |
| Summit (No. 2) | 9.65 | 1.52 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | ..... | ..... | ..... | ..... | 2.70 | ..... |
| Susanville | 10.76 | 0.42 | ..... | ..... | 1.27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Tahoe | 18.20 | 4.62 | 4.47 | 0.07 | 0.53 | T. | 0.08 | 0.22 | 0.28 | 1.20 | 2.46 | 7.06 | 39.19 |
| Tamarack | 20.70 | 7.10 | 8.11 | 0.60 | 1.70 | T. | T. | 1.45 | 1.26 | 6.35 | 3.10 | 9.90 | 60.27 |
| Tejon Rancho | 2.88 | 0.55 | 2.08 | 0.70 | 0.25 | 0.00 | 0.00 | T. | 1.25 | 0.25 | 0.50 | 1.00 | 8.83 |
| Tujunga Canon | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | 0.38 | 4.83 | 0.26 | 12.76 | ..... |
| Three Rivers | 12.82 | 3.33 | 2.48 | 2.44 | 0.56 | 0.00 | T. | T. | 0.42 | 4.21 | 0.71 | 6.50 | 33.47 |
| Towle | 36.78 | 0.26 | 5.45 | 0.78 | 2.36 | 0.00 | 0.10 | 0.05 | 0.75 | 3.90 | 5.45 | 14.35 | 80.23 |
| Truckee | 14.38 | 11.80 | 2.40 | T. | 0.40 | 0.00 | 0.00 | T. | 0.75 | 0.81 | 1.15 | 5.90 | 27.59 |
| Tustin (near) | 9.84 | 1.32 | 1.59 | 0.06 | 0.15 | 0.00 | 0.00 | 0.05 | 0.60 | 1.90 | 0.15 | 2.43 | 18.09 |
| Twin Valley | 23.62 | 4.44 | 4.67 | 0.21 | 0.98 | 0.30 | 0.28 | 0.68 | 0.40 | 0.51 | 4.19 | 11.28 | 51.56 |
| Ukiah | 15.26 | 2.56 | 3.78 | 0.25 | 0.41 | 0.80 | 0.00 | 0.41 | 0.15 | 0.12 | 3.28 | 7.92 | 34.44 |
| Upper Mattole | 26.25 | 11.21 | 10.51 | 2.29 | 1.84 | 2.53 | 0.53 | 0.05 | 0.65 | 0.38 | 7.64 | 13.01 | 76.89 |
| Vacaville | 19.83 | 3.15 | 2.22 | 0.08 | 0.41 | 0.00 | 0.00 | 0.39 | 0.15 | 0.00 | 1.42 | 8.73 | 36.38 |
| Valyermo | 6.31 | 0.46 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.39 | 0.00 | ..... | ..... | ..... |
| Visalia | 4.54 | 1.89 | 1.79 | 0.04 | 0.41 | 0.00 | 0.00 | 0.22 | 0.26 | 1.28 | 0.00 | 2.36 | 12.79 |
| Walnut Creek | 15.52 | 1.86 | 0.99 | 0.04 | 0.00 | 0.00 | 0.00 | 0.21 | 0.43 | 0.00 | 0.78 | 5.94 | 25.77 |
| Warner Springs | 18.92 | 0.87 | 1.92 | 0.03 | 0.09 | 0.00 | 0.45 | T. | 0.14 | 1.06 | 0.16 | 2.09 | 24.93 |
| Wasco | 3.66 | 0.19 | 1.45 | 0.45 | 0.01 | 0.00 | 0.00 | 0.18 | 0.80 | 1.52 | 0.00 | 1.96 | 10.22 |
| Wasioja | 12.67 | 0.50 | 1.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 0.22 | 8.60 | 24.88 |
| Watsonville | 12.83 | 4.35 | 1.91 | 0.08 | 0.02 | 0.00 | 0.03 | 0.00 | 1.42 | 1.04 | 1.20 | 6.21 | 29.09 |
| Weaverville | 10.11 | 5.89 | 3.77 | 0.65 | 0.30 | 1.30 | 0.20 | 0.51 | 0.33 | T. | 3.54 | 5.46 | 32.06 |
| Weitchpec | 19.94 | 11.32 | 10.41 | 2.30 | 2.68 | 2.31 | 2.14 | 0.01 | 0.43 | 1.25 | 8.75 | 14.14 | 73.68 |
| Wells Meadow | 11.20 | 1.62 | 1.65 | 0.02 | 0.00 | 0.00 | 0.00 | 1.04 | 0.09 | 1.48 | 0.19 | 3.17 | 20.46 |
| West Branch | 32.96 | 13.48 | 7.83 | 1.59 | 3.70 | 1.13 | 1.48 | 0.05 | 0.36 | 4.63 | 8.93 | 14.99 | 91.13 |
| West Point | 18.43 | 5.13 | 5.90 | 1.02 | 0.81 | 0.00 | 0.00 | 0.02 | 0.61 | 4.00 | 3.01 | 8.06 | 46.99 |
| West Saticoy | 14.14 | 1.29 | 0.88 | T. | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 2.10 | 0.10 | 6.40 | 28.01 |
| Wheatland | 10.51 | 3.06 | 1.22 | 0.06 | 0.26 | 0.10 | 0.31 | T. | 0.27 | 1.46 | 1.70 | 4.89 | 23.75 |
| Willows | 7.19 | 2.14 | 1.12 | 0.00 | 0.26 | 1.06 | 0.27 | 0.26 | 0.38 | 1.33 | 0.71 | 2.69 | 17.41 |
| Yorba Linda | 13.68 | 1.56 | 1.03 | 0.09 | 0.08 | 0.00 | 0.00 | 0.00 | 0.56 | 1.77 | 0.06 | 3.59 | 22.42 |
| Yosemite | 16.60 | 4.60 | 5.41 | 0.58 | 0.53 | T. | T. | 0.95 | 1.84 | 10.71 | 0.38 | 7.83 | 49.43 |
| Yreka | 6.05 | 2.26 | 1.72 | 0.33 | 0.68 | 0.48 | 0.55 | 0.54 | 0.16 | 0.00 | 1.70 | 2.23 | 16.70 |
| *Colorado.* | | | | | | | | | | | | | |
| Akron | 0.36 | T. | 0.09 | 1.41 | 2.42 | 2.09 | 1.27 | 3.81 | 0.26 | 1.02 | 0.75 | 0.61 | 13.59 |
| Ames | 6.02 | 2.25 | 2.33 | 2.40 | 1.37 | T. | 4.61 | 5.72 | 0.81 | 6.70 | 0.16 | 2.73 | 35.10 |
| Arriba (near) | 0.09 | 0.15 | 0.16 | 2.04 | 1.13 | 1.50 | 2.18 | 6.22 | 0.10 | 0.59 | 0.33 | 0.24 | 14.73 |
| Ashcroft | ..... | 1.39 | ..... | 2.60 | 2.13 | 0.02 | 1.47 | 2.08 | 1.69 | 3.20 | 1.13 | 1.70 | ..... |
| Aspen | 3.65 | 1.52 | 2.06 | 1.70 | 1.14 | T. | 1.24 | 2.10 | 1.41 | 2.53 | 1.30 | 2.38 | 21.03 |
| Auldhurst | 0.35 | 0.05 | 0.67 | 2.78 | 2.12 | 0.74 | 2.27 | 3.94 | 0.79 | 1.50 | 0.56 | 0.65 | 16.42 |
| Bennett | ..... | ..... | ..... | 2.00 | 1.63 | 0.67 | 2.23 | 0.86 | 0.20 | 1.79 | 0.33 | 0.43 | ..... |
| Blanca | 0.08 | 0.20 | T. | 0.60 | 0.00 | T. | 2.60 | 1.48 | 0.50 | 1.48 | T. | 0.13 | 7.07 |
| Blue Valley Ranch | 2.90 | T. | ..... | ..... | 0.20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Bonanza | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.22 | 1.42 | ..... |
| Boulder | 0.69 | 0.02 | 1.02 | 2.36 | 3.77 | 0.53 | 1.26 | 1.90 | 1.32 | 4.60 | 1.32 | 0.86 | 19.65 |
| Buena Vista (near) | 1.84 | 0.68 | 0.48 | 0.95 | 0.10 | 0.00 | 1.68 | 2.45 | 0.55 | 1.38 | 1.00 | 0.22 | 11.33 |
| Burlington | 0.42 | T. | 0.18 | 1.43 | 1.02 | 1.60 | 1.34 | 4.66 | 0.91 | 0.40 | 0.21 | 0.35 | 12.52 |
| Calhan | 0.19 | 0.03 | 0.08 | 2.85 | 2.58 | 0.18 | 3.16 | 3.90 | 0.06 | 0.47 | 0.46 | 0.28 | 14.24 |
| Canon City | 0.54 | T. | 0.68 | 2.99 | 0.40 | T. | 0.44 | 2.09 | 0.17 | 1.33 | 0.91 | 0.49 | 9.95 |
| Cascade | 7.34 | 3.43 | 4.42 | 2.08 | 0.99 | 0.00 | 7.46 | 5.13 | 1.92 | 9.10 | 0.10 | 2.73 | 44.70 |
| Cassells | 0.82 | 0.36 | 0.55 | 1.19 | 1.15 | 0.15 | 2.36 | 2.24 | 0.81 | 1.96 | 0.77 | 1.22 | 13.58 |
| Castle Rock | 0.41 | 0.02 | 0.33 | 3.14 | 2.09 | 0.24 | 4.33 | 1.92 | 0.75 | 1.22 | 0.71 | 0.80 | 15.96 |
| Cedaredge | 1.43 | 0.86 | 0.45 | 0.64 | 1.00 | 0.00 | 0.62 | 1.89 | 1.02 | 3.87 | 0.42 | 0.57 | 12.77 |
| Cheesman | 0.39 | 0.01 | 0.39 | 2.20 | 1.85 | T. | 2.60 | 4.87 | 1.21 | 1.63 | 0.54 | 0.54 | 16.32 |
| Cheyenne Wells | 0.44 | T. | 0.32 | 2.93 | 1.11 | 2.04 | 1.01 | 4.14 | 0.68 | 0.15 | 0.44 | 0.64 | 13.90 |
| Cochetopa | 1.71 | 0.16 | 0.96 | 0.36 | T. | T. | 2.77 | 3.42 | 0.75 | ..... | ..... | ..... | ..... |
| Collbran | 2.43 | 0.74 | 1.29 | 0.66 | 1.88 | T. | 2.46 | 2.62 | 0.96 | 3.92 | 0.90 | 1.03 | 18.91 |
| Colorado Springs | 0.27 | T. | 0.23 | 2.90 | 0.74 | 0.28 | 1.92 | 1.59 | 0.10 | 0.31 | 0.22 | 0.06 | 8.62 |
| Columbine | 6.46 | 3.69 | 3.66 | 2.40 | ..... | ..... | ..... | ..... | ..... | ..... | 1.98 | 3.82 | ..... |
| Columbine Ranch | 7.26 | 1.96 | 2.86 | 1.93 | 1.88 | 0.00 | 1.60 | 3.00 | 1.61 | 4.34 | 0.65 | 2.16 | 29.27 |
| Cortez | ..... | 1.20 | 3.20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Crawford | 1.18 | 0.43 | 0.20 | ..... | 0.20 | 0.00 | 0.39 | 2.07 | 1.06 | 2.58 | 1.01 | 0.49 | ..... |
| Crested Butte | 7.83 | 3.83 | 2.41 | 1.70 | 1.76 | 0.00 | 3.35 | 1.91 | 1.56 | 3.10 | 1.15 | 5.17 | 33.77 |
| Cripple Creek | 0.42 | T. | 2.98 | 2.34 | 1.75 | T. | 1.09 | 3.96 | 0.67 | 0.78 | 0.90 | 0.79 | 15.68 |
| Cuchara Camps | 1.89 | 0.17 | 1.18 | 4.68 | 0.38 | 0.24 | 2.88 | 5.00 | 0.59 | 2.55 | 1.82 | 1.56 | 22.94 |
| Cumbres | 12.34 | 2.97 | 4.27 | 2.29 | 1.16 | 0.01 | 2.02 | 3.58 | 1.42 | 2.10 | 0.68 | 3.82 | 35.66 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Colorado*—Continued. | | | | | | | | | | | | | |
| Delta | 0.71 | 0.38 | ..... | 0.57 | 0.91 | 0.00 | 0.57 | 1.29 | 0.51 | 2.84 | 0.35 | 0.34 | ..... |
| Denver | 0.53 | 0.03 | 0.52 | 1.93 | 1.49 | 0.08 | 1.44 | 1.74 | 0.80 | 1.92 | 0.66 | 1.09 | 12.23 |
| Dillon | 2.21 | 1.14 | 1.64 | 1.57 | 0.95 | 0.07 | 1.99 | 1.46 | 1.32 | 3.20 | 1.24 | 1.84 | 18.63 |
| Dolores | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.34 | 3.04 | 0.43 | 1.07 | ..... |
| Dove Creek | ..... | ..... | ..... | ..... | ..... | 0.00 | 1.22 | 1.38 | 0.52 | 5.84 | 0.19 | 2.01 | ..... |
| Durango | 6.94 | 1.00 | 2.94 | 1.80 | 0.14 | T. | 3.30 | 4.80 | 1.98 | 6.99 | 0.20 | 1.40 | 31.49 |
| Eads | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.14 | 0.34 | 0.13 | 0.02 | ..... |
| Edgewater | 1.03 | ..... | 1.17 | 1.76 | 2.78 | 0.31 | 1.82 | 2.82 | 0.73 | 2.87 | 0.72 | 1.54 | ..... |
| Estes Park Fish Hatchery | 1.85 | 0.64 | 0.75 | 1.65 | 2.96 | 0.13 | 2.96 | 1.05 | 1.48 | 2.70 | 1.11 | 0.70 | 17.98 |
| Fairview | 1.25 | 0.91 | 4.27 | 7.10 | 1.42 | 1.03 | 1.68 | 4.25 | 0.19 | 1.06 | 3.31 | ..... | ..... |
| Fort Collins | 0.84 | 0.11 | 0.31 | 0.86 | 3.85 | 0.60 | 0.65 | 0.71 | 0.70 | 2.92 | 0.98 | 0.62 | 13.15 |
| Fort Lewis | 5.12 | 1.95 | 4.29 | 0.90 | 0.28 | T. | 3.42 | 3.23 | 2.09 | 4.92 | 0.05 | 1.25 | 27.50 |
| Fort Lupton | 0.26 | T. | 0.16 | 1.01 | 2.42 | 0.45 | 1.47 | 2.43 | 0.53 | 3.79 | 0.54 | 0.37 | 13.43 |
| Fort Morgan | 0.49 | 0.02 | 0.08 | 1.16 | 2.05 | 1.08 | 3.13 | 1.64 | 0.95 | 1.49 | 0.18 | 0.80 | 13.07 |
| Frances | 1.70 | 1.64 | 2.89 | 2.57 | 2.59 | 0.40 | 3.48 | 2.35 | 1.53 | 3.64 | 0.70 | 3.22 | 26.71 |
| Fraser | 3.26 | 2.38 | 2.07 | 1.81 | 1.67 | 0.01 | 3.39 | 2.58 | 1.80 | 3.95 | 0.99 | 3.12 | 27.03 |
| Fremont Experiment Station | 0.40 | 0.03 | 0.97 | 4.54 | 1.99 | 1.83 | 5.48 | 3.11 | 0.48 | 0.54 | 0.63 | 0.40 | 20.40 |
| Fruita (near) | 2.29 | 0.50 | 1.37 | 0.38 | 0.99 | T. | 1.10 | 2.57 | 0.46 | 3.04 | 0.23 | 0.59 | 13.52 |
| Fry's Ranch | 1.43 | 0.64 | 1.37 | 1.64 | 2.49 | 0.04 | 3.70 | 1.60 | 1.57 | 3.17 | 1.51 | 1.44 | 20.60 |
| Garfield | 3.41 | 1.65 | 3.38 | 2.70 | 0.79 | T. | 2.91 | 3.21 | 1.65 | 2.20 | 1.29 | 2.02 | 25.21 |
| Garnett | 0.12 | T. | 0.15 | 1.12 | 0.30 | 0.00 | 0.95 | 0.92 | 0.41 | 1.78 | T. | 0.05 | 5.80 |
| Georgetown | 1.26 | 0.59 | 0.97 | 1.41 | 0.97 | 0.13 | 3.48 | 2.94 | 0.80 | 3.24 | 0.57 | 0.68 | 17.04 |
| Glade Park | 1.76 | 0.31 | 0.61 | 0.13 | 0.79 | T. | 2.00 | 5.57 | 0.59 | 2.75 | 0.19 | 1.10 | 15.80 |
| Gladstone | 9.67 | 2.82 | 3.86 | 3.14 | 1.31 | 0.04 | 4.15 | 2.99 | 1.63 | 6.52 | 0.95 | 4.64 | 41.72 |
| Glen | ..... | T. | T. | 1.04 | 1.30 | 0.98 | 4.55 | 1.24 | 0.35 | 0.27 | T. | T. | ..... |
| Glenwood Springs (near) | 2.94 | 1.77 | 0.76 | 0.69 | 0.70 | 0.00 | 2.24 | 3.16 | 1.40 | 1.70 | 0.18 | 1.40 | 16.94 |
| Golden | 0.54 | 3.30 | 0.79 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Grand Junction | 1.18 | 0.45 | 0.71 | 0.20 | 1.05 | T. | 0.76 | 2.16 | 0.50 | 2.12 | 0.34 | 0.27 | 9.74 |
| Grandlake | 2.57 | 1.63 | 0.37 | 1.07 | 1.42 | T. | 2.43 | 2.04 | 1.55 | 1.47 | 0.22 | 1.86 | 16.63 |
| Greeley | 0.44 | T. | 0.34 | 0.27 | ..... | ..... | 4.07 | 1.11 | 0.12 | 2.82 | ..... | ..... | ..... |
| Grover (near) | 0.77 | 0.15 | 0.18 | 0.82 | 3.95 | 1.42 | 2.09 | 1.39 | 0.52 | 1.29 | 1.01 | 1.50 | 15.09 |
| Gunnison | 2.07 | 1.83 | 0.76 | 1.17 | 0.72 | 0.00 | 1.51 | 1.37 | 0.85 | 1.33 | 0.33 | 0.75 | 12.69 |
| Hamps | 0.06 | T. | 0.09 | 1.83 | 1.64 | 0.68 | 2.24 | 6.00 | T. | 0.42 | 0.42 | 0.28 | 13.66 |
| Hartsel | 0.41 | 0.13 | 0.21 | 1.04 | 0.72 | 0.36 | 3.73 | 1.88 | 0.51 | 0.53 | 0.45 | 0.07 | 10.04 |
| Hawthorne | 0.64 | 0.19 | 1.31 | 2.98 | 3.37 | 0.12 | 1.33 | 1.67 | 1.24 | 4.71 | 1.64 | 1.40 | 20.60 |
| Hayden | 3.32 | 1.56 | 0.87 | 0.63 | 1.47 | 0.02 | 0.29 | 4.30 | 1.28 | 3.25 | 1.24 | 1.53 | 19.76 |
| Hermit | 2.51 | 0.41 | 1.60 | 0.86 | 0.48 | 0.04 | 5.57 | 2.92 | 1.05 | 6.87 | T. | 1.35 | 23.66 |
| Hoehne (near) | 0.10 | 0.00 | 0.68 | 2.10 | 0.23 | 0.56 | 1.98 | 1.95 | 0.49 | ..... | ..... | 0.42 | ..... |
| Holly | 0.95 | 0.00 | 0.50 | 3.00 | 0.05 | 1.54 | 0.76 | 4.62 | 0.19 | 0.85 | 0.55 | 0.15 | 13.16 |
| Holyoke (near) | 0.25 | 0.05 | 0.16 | 0.95 | 1.48 | 5.62 | 1.91 | 3.46 | 0.54 | 1.45 | 0.14 | 0.07 | 16.08 |
| Hoyt (near) | 0.40 | 0.00 | 0.06 | 1.21 | 1.78 | 0.93 | 6.78 | ..... | ..... | ..... | ..... | ..... | ..... |
| Idaho Springs | 1.37 | 0.34 | 0.49 | 0.93 | 0.58 | 0.20 | 3.24 | 2.76 | 0.73 | 1.15 | 1.16 | 1.04 | 13.99 |
| Ignacio | 3.70 | 0.38 | 1.58 | 1.26 | 0.14 | 0.11 | 3.25 | 2.07 | 1.16 | 4.38 | 0.10 | 1.23 | 19.36 |
| Ironton | 2.55 | 2.20 | 1.64 | 2.41 | 0.92 | 0.00 | 4.23 | 5.17 | 0.62 | 6.52 | 0.51 | 2.02 | 28.79 |
| Julesburg | 0.19 | 0.16 | 0.04 | 0.97 | 1.88 | 1.99 | 2.56 | 5.03 | 0.53 | 1.46 | 0.43 | 0.44 | 15.68 |
| La Junta | 0.34 | T. | 0.36 | 1.67 | 0.52 | 1.87 | 0.71 | 6.27 | 0.10 | 0.52 | 0.25 | 0.20 | 12.81 |
| Lake City | ..... | ..... | ..... | ..... | ..... | T. | 3.66 | 2.93 | ..... | ..... | ..... | ..... | ..... |
| Lake Moraine | 0.78 | 0.24 | 1.11 | 5.05 | 2.04 | 0.52 | 4.96 | 4.05 | 0.48 | 0.85 | 0.81 | 0.86 | 21.75 |
| Lamar | 0.80 | 0.00 | 0.17 | 2.19 | 0.41 | 3.26 | 0.68 | 5.10 | 0.22 | 0.40 | 0.35 | 0.30 | 13.88 |
| La Porte | 0.91 | 0.15 | 0.16 | 0.98 | 3.66 | 0.71 | 1.20 | 1.05 | 1.09 | 2.57 | 0.92 | 0.35 | 13.75 |
| Las Animas | 0.11 | 0.00 | 0.33 | 1.54 | 0.75 | 1.74 | 0.92 | 5.98 | 0.00 | 0.17 | 0.17 | 0.13 | 11.84 |
| La Veta Pass | 3.56 | 1.34 | 2.57 | 6.37 | 0.86 | T. | 2.91 | 4.07 | 0.48 | 3.40 | 1.30 | 3.12 | 29.98 |
| Lay | 2.71 | 0.62 | 1.34 | 0.65 | 2.25 | 0.09 | 1.57 | 2.51 | 0.81 | 3.76 | 0.74 | 1.27 | 18.32 |
| Leadville | 2.17 | 1.27 | 1.04 | 1.62 | 1.85 | T. | 1.91 | 1.68 | 1.09 | 1.91 | 0.59 | 2.25 | 17.38 |
| Le Roy (near) | 0.40 | 0.06 | 0.05 | 1.54 | 2.03 | 1.45 | 1.54 | 2.67 | 0.55 | 1.91 | 0.38 | 0.69 | 13.27 |
| Limon (near) | 0.15 | T. | T. | 1.96 | 1.63 | 1.45 | 3.07 | 4.83 | T. | 0.34 | 0.32 | 0.41 | 14.16 |
| Longmont | 0.42 | 0.04 | 0.44 | 1.31 | 3.02 | 0.38 | 1.03 | 1.79 | 0.51 | 3.61 | 0.74 | 0.41 | 13.70 |
| Longs Peak (near) | 1.63 | 0.61 | 2.49 | 3.40 | 2.84 | 0.12 | 4.10 | 2.01 | ..... | 3.58 | 1.17 | 0.53 | ..... |
| Madrid | 0.09 | 0.01 | 0.37 | 2.05 | 0.17 | 0.24 | 2.41 | 3.01 | 0.00 | 0.76 | 0.14 | 0.24 | 9.49 |
| Manassa | 0.44 | 0.05 | 0.24 | 1.22 | 0.12 | T. | 0.98 | 1.74 | 0.30 | 1.84 | 0.10 | 0.27 | 7.28 |
| Mancos | 4.01 | 1.79 | 2.68 | 1.30 | 0.60 | 0.03 | 2.72 | 2.30 | 0.92 | 4.92 | 0.27 | 1.81 | 23.35 |
| Marble | 6.14 | 1.77 | 4.88 | 2.46 | 2.29 | 0.00 | 2.84 | 3.19 | 2.87 | 5.76 | 0.89 | 3.04 | 36.13 |
| Marshall Pass | 2.03 | 0.62 | 1.21 | 1.45 | 1.10 | 0.00 | 2.95 | 1.71 | 0.29 | 1.13 | 0.93 | 6.57 | 19.99 |
| Meeker (near) | 2.78 | 0.44 | 0.68 | 1.06 | 2.73 | T. | 2.19 | 3.71 | 0.80 | 4.42 | 0.37 | 1.44 | 20.62 |
| Montrose | 1.02 | 0.37 | 0.61 | 2.21 | 0.64 | 0.00 | 1.18 | 2.04 | 1.34 | 2.28 | 0.82 | 0.62 | 13.13 |
| Monument | 0.28 | T. | 0.59 | 3.87 | 2.16 | 0.39 | 2.78 | 2.67 | 0.35 | 0.78 | 0.78 | 0.72 | 15.37 |
| Nast | 2.81 | 2.74 | 1.43 | 2.07 | 1.60 | 0.00 | 3.06 | 1.64 | 1.64 | 2.31 | 1.04 | 2.25 | 22.59 |
| North Lake | 4.13 | 1.45 | 3.64 | 7.09 | 0.29 | 0.14 | 4.61 | 4.92 | 0.32 | 2.31 | 0.63 | 0.56 | 30.09 |
| Ordway | 0.18 | 0.00 | 0.47 | 2.20 | 0.90 | 0.93 | 0.99 | 3.27 | 1.04 | 0.32 | 1.08 | 0.28 | 11.66 |
| Pagosa Springs | 9.71 | 2.14 | 2.84 | 1.92 | 0.42 | 0.16 | 4.97 | 3.58 | 2.23 | 5.00 | 0.37 | ..... | ..... |
| Palisades | 1.65 | 0.71 | 1.75 | 0.10 | 1.49 | 0.00 | 2.49 | 1.94 | 0.32 | 2.55 | 0.33 | 0.50 | 13.83 |
| Paonia | 2.83 | 1.56 | 1.41 | 1.55 | 1.65 | 0.00 | 0.66 | 2.66 | 1.54 | 3.65 | 1.01 | 1.26 | 19.78 |
| Pearl | 3.20 | 1.84 | 1.67 | 1.41 | 2.01 | 0.20 | 0.83 | 2.77 | 2.22 | 2.31 | 1.82 | 2.30 | 22.58 |
| Peetz | 0.07 | T. | 0.05 | 1.53 | 1.86 | 0.99 | 2.68 | 2.20 | 1.08 | 1.12 | 0.16 | 0.10 | 11.84 |
| Pitkin | 3.55 | 2.23 | 2.25 | 0.67 | 0.63 | T. | 1.36 | 2.32 | 1.57 | 2.57 | 0.84 | 2.35 | 20.34 |
| Platoro | 9.08 | 2.14 | 4.34 | 2.43 | 0.38 | 0.05 | 4.99 | 4.09 | 2.06 | 5.95 | 0.53 | 3.03 | 39.07 |
| Platte Canon | 0.76 | 0.03 | 1.12 | 2.92 | 2.65 | 1.19 | 2.76 | 2.82 | 1.18 | 2.57 | 0.84 | 1.59 | 20.43 |
| Pueblo | 0.22 | T. | 0.65 | 2.02 | 0.63 | 1.22 | 0.83 | 3.12 | T. | 0.71 | 0.20 | 0.23 | 9.83 |
| Redcliff | 1.70 | 1.20 | 1.54 | 1.85 | 2.28 | 0.10 | 3.30 | 2.40 | 1.60 | 2.40 | 1.71 | 2.48 | 22.56 |
| Redvale | 2.15 | 0.99 | 0.98 | 1.55 | 0.55 | 0.00 | 3.13 | 3.12 | 1.01 | 4.03 | 0.60 | ..... | ..... |
| Rico | 6.86 | 2.26 | 1.96 | 1.32 | 1.23 | 0.00 | 2.39 | 2.33 | 0.94 | 1.83 | 0.25 | 2.77 | 24.14 |
| Rifle | 2.33 | 0.54 | 1.17 | 0.33 | 1.59 | T. | 1.50 | 2.58 | 1.38 | 3.33 | 0.35 | 0.54 | 15.64 |
| River Portal | 2.50 | 1.09 | 1.59 | 1.69 | 1.67 | 0.00 | 0.95 | 2.53 | 1.80 | 2.67 | 0.17 | 1.62 | 18.28 |
| Rocky Ford (near) | T. | T. | 0.32 | 1.78 | 0.80 | 0.88 | 0.45 | 4.52 | 0.00 | 0.28 | 0.10 | 0.31 | 9.44 |
| Saguache | 0.88 | 0.10 | T. | 1.17 | 0.20 | 0.00 | 1.55 | 2.31 | 0.60 | 0.85 | T. | 0.05 | 7.71 |
| St. Elmo | 2.27 | 1.37 | 1.83 | 1.99 | 0.84 | 0.11 | 3.15 | 2.32 | 1.39 | 2.71 | 0.85 | 1.31 | 20.14 |
| Salida | ..... | ..... | ..... | 2.35 | 0.60 | T. | 2.85 | 2.43 | 0.87 | 0.78 | 0.74 | 1.04 | ..... |
| San Luis | 0.93 | 0.26 | 0.50 | 1.24 | 0.23 | 0.10 | 3.11 | 1.64 | 0.47 | 2.06 | 0.19 | 0.19 | 10.92 |
| Sapinero (near) | 3.97 | 1.82 | 2.20 | 1.96 | 1.61 | T. | 1.56 | 2.81 | 1.68 | 2.64 | 0.72 | 2.11 | 23.08 |
| Savage Basin | 9.12 | 3.90 | 4.41 | 6.07 | 2.20 | 0.00 | ..... | 4.85 | 1.63 | 7.92 | 1.64 | 7.27 | ..... |
| Sedgwick | 0.30 | 0.10 | T. | 0.60 | 1.55 | 2.32 | 1.77 | 3.10 | ..... | 0.60 | ..... | 0.27 | ..... |
| Shoshone | 2.76 | ..... | ..... | ..... | 0.57 | ..... | 1.44 | 3.25 | 2.44 | ..... | ..... | ..... | ..... |
| Silver Lake | 2.70 | 2.75 | 1.75 | 2.21 | 3.22 | 0.03 | 2.92 | 2.82 | 1.99 | 3.81 | 1.14 | 3.87 | 29.21 |
| Silverton (near) | 6.50 | 1.86 | 4.92 | 2.09 | 0.70 | T. | 3.19 | 2.88 | 1.25 | 7.76 | 0.20 | 3.49 | 34.84 |
| Simpson | ..... | ..... | ..... | 1.75 | 1.42 | 0.54 | 2.34 | 1.62 | 0.14 | 0.83 | 0.72 | 0.50 | ..... |
| Spicer (near) | 1.10 | 0.49 | 0.46 | 0.11 | 1.78 | T. | 1.66 | 1.98 | 2.08 | 0.87 | 0.87 | 1.34 | 12.74 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Colorado*—Continued. | | | | | | | | | | | | | |
| Springfield | 0.70 | 0.00 | 0.10 | 1.25 | 0.62 | 0.75 | 0.80 | 5.55 | 0.34 | 1.10 | 0.15 | 0.30 | 11.66 |
| Spruce Lodge | 3.60 | 2.25 | 2.36 | 2.04 | 2.67 | 0.14 | 2.82 | 3.88 | 2.03 | 3.50 | 1.06 | 4.06 | 30.50 |
| Steamboat Springs | 4.20 | 4.21 | 1.87 | 1.17 | 2.39 | 0.06 | 1.23 | 2.82 | 1.74 | 2.57 | 1.88 | 4.66 | 28.80 |
| Sterling | 0.40 | 0.06 | 0.06 | 1.25 | 2.24 | 1.43 | 1.43 | 5.11 | 0.69 | 2.60 | 0.23 | 0.16 | 15.66 |
| Stonewall | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | 1.19 | 0.18 | 0.30 | ..... |
| Tacoma | 5.75 | 2.06 | 2.23 | 1.76 | 0.48 | 0.03 | 5.24 | 3.47 | 0.83 | 7.50 | 0.05 | 1.35 | 30.75 |
| Telluride | 2.13 | 1.73 | 1.75 | 1.65 | 2.05 | 0.00 | 3.60 | 5.42 | 0.98 | 4.15 | 0.90 | 0.92 | 25.28 |
| Terminal Dam | 6.47 | 2.94 | 3.07 | 1.65 | 0.45 | T. | 7.27 | 3.20 | 2.69 | 8.55 | 0.18 | 2.50 | 38.97 |
| Trinidad | 0.30 | T. | 1.16 | 3.08 | 0.26 | 1.51 | 0.79 | 2.96 | 0.08 | 1.22 | 0.63 | 0.69 | 12.68 |
| Trout Lake | 6.29 | 3.28 | 3.30 | 2.48 | 1.41 | 0.00 | 7.68 | 7.39 | 2.39 | 7.28 | 0.25 | 1.87 | 43.62 |
| Two Buttes | 0.76 | 0.00 | 0.10 | 1.88 | 0.15 | 0.76 | 0.87 | 6.63 | 0.50 | 0.88 | 0.13 | 0.18 | 12.84 |
| Two Buttes Reservoir | 0.33 | T. | 0.13 | 1.71 | 0.11 | 0.82 | 1.47 | 4.98 | 0.49 | 0.97 | 0.08 | 0.28 | 11.37 |
| Victor (near) | 0.56 | 0.11 | 1.31 | 1.88 | 1.46 | 0.14 | 2.80 | 3.98 | 0.49 | 0.35 | 0.88 | 0.49 | 14.45 |
| Wagon Wheel Gap | 3.11 | 0.43 | 1.13 | 1.27 | 0.32 | 0.11 | 4.37 | 3.20 | 1.24 | 3.78 | 0.18 | 0.95 | 20.09 |
| Wagon Wheel Gap River Valley | 1.84 | 0.17 | 0.90 | 1.34 | 0.55 | 0.16 | 5.37 | 5.22 | 1.00 | 5.22 | 0.09 | 0.38 | 22.24 |
| Waterdale | 0.30 | ..... | 0.59 | 1.27 | 1.87 | 0.34 | 1.16 | 1.74 | 0.71 | 4.10 | 0.53 | 0.28 | ..... |
| Westcliffe | 0.25 | T. | 0.86 | 2.56 | 0.10 | 0.01 | 1.27 | 2.69 | 0.28 | 1.75 | 1.12 | 0.31 | 11.20 |
| Wiggins | 0.55 | 0.04 | 0.31 | 0.48 | 2.70 | 1.23 | 2.40 | 1.32 | 0.21 | 2.09 | 0.12 | 0.47 | 11.92 |
| Willard | 0.48 | 0.03 | 0.05 | 1.68 | 2.28 | 1.84 | 1.25 | 2.95 | 0.66 | 2.55 | 0.77 | 0.28 | 14.82 |
| Wortman | 1.85 | 0.85 | 1.15 | 1.46 | 1.72 | 0.40 | 5.54 | 2.90 | 2.00 | ..... | 0.41 | 1.44 | ..... |
| Wray | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.27 | 0.90 | ..... | ..... | ..... |
| Yampa | 4.75 | 1.52 | 1.39 | 2.49 | 0.80 | T. | 1.94 | 1.48 | 1.00 | 2.66 | 1.31 | 3.25 | 23.09 |
| Yoder | 0.14 | 0.00 | 0.09 | 1.54 | 0.51 | 0.47 | 1.12 | 5.34 | 0.13 | 0.04 | 0.04 | T. | 9.42 |
| Yuma | 0.25 | T. | T. | 0.87 | 1.70 | 3.54 | 1.19 | 4.68 | 0.18 | 0.77 | 0.71 | 0.12 | 14.01 |
| *Connecticut.* | | | | | | | | | | | | | |
| Bridgeport | 1.66 | 5.04 | 4.05 | 2.71 | 3.06 | 4.41 | 4.73 | 1.93 | 3.06 | 1.56 | 2.20 | 3.11 | 37.52 |
| Canton | 1.15 | 4.74 | 2.90 | 2.51 | 4.67 | 6.53 | 4.45 | 3.82 | 4.20 | 1.28 | 3.31 | 3.19 | 42.75 |
| Colchester | 1.76 | 5.25 | 3.41 | 2.41 | 5.01 | 4.65 | 6.69 | 2.57 | 2.00 | 2.22 | 3.67 | 3.22 | 42.86 |
| Cream Hill | 1.86 | 4.02 | 3.76 | 3.58 | 3.01 | 3.90 | 5.22 | 2.87 | 5.85 | 1.24 | 3.35 | 3.83 | 42.49 |
| Danielson | 2.30 | 5.25 | 3.60 | 2.32 | 4.60 | 6.12 | 7.77 | 3.30 | 1.95 | 1.65 | 2.18 | 3.50 | 44.54 |
| Hartford | 1.16 | 5.72 | 2.77 | 2.93 | 3.14 | 3.86 | 3.52 | 3.44 | 3.46 | 1.08 | 2.83 | 2.99 | 36.90 |
| Hawleyville | ..... | ..... | 4.75 | 2.21 | 4.98 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| New Haven | 1.55 | 6.21 | 4.08 | 3.00 | 3.69 | 4.90 | 3.72 | 2.11 | 2.54 | 2.05 | 2.54 | 3.71 | 40.10 |
| New London | 1.64 | 6.01 | 3.07 | 2.39 | 2.95 | 4.28 | 7.13 | 1.58 | 1.62 | 3.98 | 3.17 | 3.77 | 41.59 |
| North Grosvenor Dale | 1.60 | 6.27 | 3.20 | 3.89 | 3.47 | 6.60 | 5.60 | 1.54 | 3.41 | 1.50 | 3.33 | 2.93 | 43.34 |
| Norwalk | 1.22 | 5.10 | 3.27 | 2.51 | 3.26 | 5.79 | 5.05 | 1.00 | 3.65 | 1.37 | 2.34 | 3.62 | 38.63 |
| Southington | 1.08 | 5.45 | 3.10 | 2.30 | 3.10 | 4.90 | 3.10 | 4.95 | 5.00 | 1.60 | 2.75 | 2.35 | 39.68 |
| Storrs | 1.46 | 5.98 | 1.92 | 1.93 | 4.43 | 4.48 | 10.85 | 0.93 | 2.49 | 2.33 | 3.30 | 2.60 | 42.70 |
| Torrington | 1.00 | 4.77 | 2.16 | 2.49 | 4.06 | 4.54 | ..... | 3.16 | 4.32 | 1.54 | 1.68 | 2.80 | ..... |
| Voluntown | 1.02 | 5.01 | 2.23 | 3.03 | 5.05 | 5.13 | 9.71 | 1.84 | 1.82 | 2.88 | 1.44 | 4.38 | 43.53 |
| Waterbury | 1.05 | 5.88 | 3.84 | 2.34 | 3.40 | 5.01 | 5.19 | 5.08 | 2.97 | 1.10 | 2.98 | 2.87 | 41.81 |
| *Delaware.* | | | | | | | | | | | | | |
| Delaware City | 0.90 | 3.19 | 3.89 | 1.86 | 3.34 | 3.00 | 6.52 | 0.60 | 2.88 | 0.93 | 2.68 | 4.02 | 33.81 |
| Dover | 1.70 | 4.26 | 3.98 | 2.89 | 4.74 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Milford | 1.73 | 3.41 | 3.75 | 1.79 | 5.45 | 3.12 | 4.83 | 0.50 | 5.21 | 1.55 | 1.95 | 5.05 | 38.34 |
| Millsboro | 1.92 | 4.15 | 3.17 | 1.68 | 5.98 | 4.20 | 3.07 | 1.50 | 4.86 | 2.01 | 2.01 | 4.09 | 38.64 |
| Newark | 1.55 | 3.30 | 3.43 | 3.94 | 3.38 | 4.84 | 9.97 | 1.98 | 2.94 | 1.50 | 2.34 | 4.46 | 43.63 |
| Seaford | 1.84 | 3.67 | 2.83 | 2.34 | 4.83 | 4.20 | 4.06 | 1.63 | 3.71 | 1.66 | 2.30 | 4.20 | 37.27 |
| Wilmington | 1.58 | 2.64 | 3.54 | 2.47 | 2.62 | 4.33 | 7.03 | 0.60 | 2.27 | 1.51 | 2.39 | 4.78 | 35.76 |
| *District of Columbia.* | | | | | | | | | | | | | |
| Washington | 1.57 | 2.86 | 2.80 | 2.96 | 2.30 | 7.53 | 4.97 | 2.83 | 2.57 | 1.76 | 2.11 | 4.08 | 38.29 |
| American University | ..... | ..... | ..... | ..... | 2.58 | 7.42 | 5.89 | 3.05 | 2.47 | 1.67 | ..... | ..... | ..... |
| *Florida.* | | | | | | | | | | | | | |
| Apalachicola | 1.39 | 2.90 | 1.60 | 2.88 | 1.91 | 5.70 | 12.17 | 7.88 | 1.97 | 6.17 | 1.50 | 13.41 | 59.48 |
| Arcadia | 0.00 | 0.00 | 0.93 | ..... | ..... | ..... | 6.42 | 5.97 | 3.45 | 2.87 | 3.53 | 1.80 | ..... |
| Archer | 0.66 | 0.12 | 0.38 | 1.19 | 3.53 | 4.64 | 6.46 | 6.02 | 3.17 | 2.36 | 4.26 | 9.24 | 42.03 |
| Avon Park | 0.20 | 0.12 | 0.26 | 4.37 | 3.25 | 8.83 | 8.02 | 8.38 | 5.36 | 2.72 | 2.94 | 1.87 | 46.32 |
| Bartow | 0.56 | 0.14 | 1.26 | 2.88 | 4.75 | 5.45 | 4.78 | 8.16 | 4.34 | 3.10 | 3.63 | 1.95 | 41.00 |
| Bassenger (near) | 0.20 | 0.57 | 1.09 | 1.54 | 2.07 | 8.89 | 5.59 | 5.06 | 3.67 | 2.84 | 2.28 | 1.45 | 35.25 |
| Boca Grande | 0.00 | 0.32 | 1.20 | 1.74 | 3.77 | 2.56 | 5.86 | 6.60 | 7.78 | 3.47 | 4.05 | 4.90 | 42.24 |
| Bonifay | 2.23 | 1.47 | 2.34 | 3.32 | 4.90 | 4.89 | 30.57 | 4.24 | 1.77 | 2.20 | 1.93 | 6.77 | 66.63 |
| Bradentown | 0.47 | 0.98 | 0.68 | 4.87 | 3.42 | 4.19 | 4.82 | 8.95 | 5.24 | 2.02 | 4.10 | 2.15 | 41.89 |
| Bristol | ..... | 1.15 | 1.68 | 4.42 | 2.27 | 4.37 | 16.76 | 5.74 | 2.84 | 2.93 | 2.03 | 7.51 | ..... |
| Brooksville (No. 1) | ..... | ..... | ..... | 2.39 | 3.81 | 6.63 | 5.51 | 3.76 | 4.52 | 2.97 | 9.31 | 4.18 | ..... |
| Brooksville (No. 2) | 0.60 | 1.14 | 1.05 | 2.34 | 4.37 | 4.40 | 10.76 | 6.47 | 5.68 | 1.70 | 8.90 | 4.31 | 51.72 |
| Carrabelle | 1.47 | 1.71 | ..... | 4.21 | 1.38 | 4.89 | 6.69 | 4.84 | 5.06 | 3.91 | 1.36 | 9.93 | ..... |
| Cedar Keys | 0.47 | 0.58 | 0.45 | 1.15 | 2.51 | 5.16 | 1.93 | 0.85 | 5.19 | 3.35 | 2.82 | 5.66 | 30.12 |
| Clermont | 0.52 | 0.27 | 0.61 | 1.67 | 6.94 | 4.58 | 4.55 | 4.71 | 4.41 | 2.64 | 4.18 | 3.28 | 38.36 |
| Coleman | ..... | 0.40 | 0.94 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.62 | 5.41 | ..... |
| Crescent City | 0.64 | 0.63 | 0.00 | 1.04 | 5.42 | 11.00 | 3.69 | 4.96 | 3.40 | 4.18 | 3.11 | 5.62 | 43.69 |
| Davie | 1.93 | 2.37 | 0.58 | 4.40 | 5.08 | 10.55 | 6.35 | 9.79 | 7.41 | 5.32 | 3.57 | 0.61 | 57.96 |
| De Funiak Springs | 2.31 | 4.24 | 3.76 | 3.24 | 4.21 | 3.60 | 21.65 | 5.57 | 2.03 | 2.30 | 2.60 | ..... | ..... |
| De Land | 0.92 | 0.74 | 0.85 | 1.25 | 5.04 | 7.19 | 7.32 | 8.20 | 6.54 | 6.92 | 7.09 | 2.62 | 54.68 |
| Eddy | 0.40 | 0.05 | ..... | 1.67 | 4.93 | 12.92 | 7.50 | 4.91 | ..... | ..... | ..... | ..... | ..... |
| Eustis | 0.78 | 0.66 | 1.81 | 1.05 | 3.84 | 3.79 | 10.16 | 5.80 | 4.95 | 5.51 | 7.02 | 2.10 | 47.47 |
| Federal Point | 0.59 | 0.78 | 0.69 | 0.88 | 3.82 | 7.45 | 3.34 | 4.65 | 1.89 | 4.75 | 4.20 | 8.42 | 41.16 |
| Fernsmere | 1.52 | 2.99 | 0.72 | 2.97 | 7.55 | 55.8 | 5.16 | 7.08 | 7.68 | 9.44 | 2.18 | 1.09 | 53.96 |
| Fenholloway | 1.29 | 1.06 | 0.68 | 2.11 | 4.94 | 10.21 | 12.78 | 9.66 | 6.53 | 2.98 | 1.27 | 13.20 | 66.71 |
| Fernandina | 1.38 | 0.48 | 0.68 | 0.98 | 3.00 | 5.91 | ..... | 6.62 | 3.10 | 6.51 | 1.99 | 6.29 | ..... |
| Fort Lauderdale | 2.62 | 3.62 | 0.77 | 4.45 | 6.46 | 4.49 | 2.64 | 6.51 | 6.70 | 7.90 | 4.55 | 0.67 | 51.38 |
| Ford Meade | 0.15 | 0.18 | 0.40 | 4.42 | 4.85 | 9.84 | 4.72 | 9.18 | 5.02 | 2.89 | 2.93 | 1.80 | 46.38 |
| Fort Myers | 0.05 | 0.51 | 1.01 | 5.61 | 2.53 | 9.36 | 12.56 | 8.22 | 5.34 | 2.05 | 3.01 | 2.18 | 52.43 |
| Fort Pierce | 1.78 | 2.05 | 0.69 | 1.84 | 4.04 | 5.75 | 3.53 | 2.98 | 8.06 | 10.34 | 2.94 | 1.19 | 45.10 |
| Gainesville | 0.61 | 0.22 | 0.82 | 1.20 | 5.15 | 6.15 | 8.00 | 7.12 | 3.69 | 2.04 | 3.95 | 7.25 | 46.20 |
| Garniers (near) | 2.01 | 3.38 | 2.90 | 3.46 | 2.44 | 4.74 | 21.65 | 9.29 | 4.39 | 3.00 | 3.49 | 10.57 | 71.32 |
| Griffin | 1.08 | 1.49 | 0.42 | 4.46 | 5.76 | 8.10 | 7.41 | 12.57 | 7.62 | 5.37 | 3.20 | 0.48 | 57.96 |
| Hilliard | 1.45 | 0.85 | 0.77 | 1.41 | 3.73 | 4.83 | 7.82 | 4.38 | 2.08 | 2.99 | 1.42 | 8.06 | 39.79 |
| Homestead | 0.82 | 1.93 | 0.33 | 3.99 | 5.55 | 13.54 | 10.60 | 5.19 | 5.14 | 14.34 | 3.30 | 0.38 | 65.11 |
| Hypoluxo | 3.07 | 1.72 | 0.64 | 1.15 | 6.54 | 8.29 | 2.22 | 4.08 | 6.81 | 10.51 | 5.30 | 0.48 | 50.81 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Florida*—Continued. | | | | | | | | | | | | | |
| Inverness | 0.42 | 0.65 | 0.57 | 1.41 | 2.96 | 6.44 | 3.79 | 8.03 | 2.29 | 3.09 | 6.33 | 4.41 | 40.39 |
| Isleworth | ..... | ..... | 0.80 | 3.09 | 6.21 | 5.38 | 6.37 | 3.89 | 3.55 | 2.06 | 3.31 | 5.74 | ..... |
| Jacksonville | 0.90 | 0.19 | 0.59 | 0.46 | 3.32 | 6.45 | 3.93 | 6.76 | 5.25 | 4.77 | 2.76 | 7.47 | 42.85 |
| Johnstown | 1.08 | 0.59 | 0.42 | 1.20 | 3.43 | 5.64 | 8.22 | 2.62 | 3.51 | 4.67 | 2.76 | 9.42 | 43.56 |
| Key West | 1.37 | 0.42 | 0.63 | 0.24 | 2.69 | 1.86 | 10.89 | 5.04 | 4.38 | 3.38 | 2.01 | 0.10 | 33.01 |
| Kissimmee | 0.63 | 0.39 | 0.49 | 1.69 | 5.22 | 8.37 | 7.63 | 4.67 | 6.08 | 2.56 | 4.08 | 5.21 | 47.02 |
| Lake City | 1.70 | 0.94 | 0.97 | 0.81 | 4.87 | 7.26 | 7.49 | 2.88 | 3.27 | 3.26 | 1.58 | 12.08 | 47.11 |
| Lakeland | 1.33 | 0.20 | 0.22 | 2.15 | 5.09 | 6.63 | 8.15 | 6.54 | 3.09 | 2.33 | 3.67 | 4.17 | 43.57 |
| Live Oak | ..... | 1.70 | 0.50 | 1.68 | 3.24 | 6.83 | ..... | 3.63 | ..... | ..... | ..... | ..... | ..... |
| Lock No. 1 | 3.22 | 1.87 | 0.56 | 3.81 | 4.83 | 7.91 | 6.17 | 9.43 | 8.50 | 6.56 | 4.25 | 0.60 | 57.71 |
| Long Key | ..... | ..... | ..... | ..... | ..... | 0.38 | 4.26 | 4.45 | 9.96 | 4.06 | 1.56 | 0.02 | ..... |
| Lucerne Park | 0.84 | 0.20 | 0.19 | 2.36 | 6.35 | 5.34 | 4.39 | 11.33 | 4.78 | 5.12 | 5.79 | 3.10 | 49.79 |
| Lynne (near) | 0.27 | 0.68 | 0.93 | 1.50 | 3.94 | 10.07 | 4.39 | 7.01 | 4.16 | 1.40 | 5.40 | 4.67 | 44.42 |
| Macclenny | 1.14 | 1.14 | 1.16 | 1.18 | 4.46 | 5.13 | 6.65 | 3.48 | 1.50 | 5.58 | 2.44 | 8.24 | 42.10 |
| Madison | 1.26 | 2.37 | 1.06 | 2.69 | 1.24 | 5.49 | 10.26 | 8.78 | 4.40 | 3.32 | 1.58 | 8.41 | 50.86 |
| Malabar | 2.03 | 3.03 | 0.15 | 2.92 | 4.63 | 6.80 | 2.44 | 1.34 | 8.18 | 12.46 | 2.57 | 2.22 | 48.77 |
| Marianna | 2.43 | 1.67 | 1.00 | 2.84 | 2.99 | 3.89 | 18.85 | 5.04 | 3.15 | 2.07 | 2.45 | 6.77 | 53.15 |
| McDonald | 0.75 | 0.26 | 0.76 | 1.70 | 2.97 | 5.82 | 5.56 | 3.83 | 7.60 | 4.07 | 4.90 | 2.35 | 40.57 |
| Melrose | 0.58 | 0.68 | 0.40 | 0.60 | 4.14 | 6.24 | 9.48 | 6.92 | 3.79 | 2.01 | 3.71 | 6.65 | 45.20 |
| Merritts Island | 1.42 | 0.36 | 0.76 | 2.21 | 5.06 | 7.04 | 6.53 | 2.96 | 6.42 | 8.77 | 3.89 | 2.36 | 47.78 |
| Miami (No. 1) | 1.44 | 3.69 | 0.28 | 0.39 | 5.99 | 6.36 | 2.49 | 10.10 | 4.81 | 5.03 | 1.85 | 0.25 | 42.68 |
| Miami (No. 2) | 1.73 | 4.87 | 0.28 | 0.57 | 6.08 | 6.51 | 4.34 | 9.90 | 6.84 | 4.82 | 2.44 | 0.33 | 48.71 |
| Middleburg | 1.14 | 0.56 | 0.00 | 0.31 | 3.80 | 6.96 | 6.59 | 6.19 | 4.16 | 2.67 | 3.16 | 7.00 | 42.54 |
| Molino | 4.40 | 3.22 | 2.82 | 4.35 | 6.30 | 5.40 | 20.96 | 7.02 | 4.50 | 1.20 | 3.37 | 9.75 | 73.29 |
| Monticello | 1.77 | 1.80 | 0.74 | 3.63 | 1.90 | 7.70 | 14.21 | 4.38 | 3.88 | ..... | ..... | ..... | ..... |
| Morton's Farm | 0.89 | 0.03 | 0.85 | 0.73 | 3.14 | 5.52 | ..... | ..... | ..... | ..... | 2.98 | 8.16 | ..... |
| Mount Pleasant | 3.23 | 1.78 | 1.75 | 3.06 | 1.42 | 7.00 | 13.55 | 3.75 | 2.44 | 2.33 | 1.87 | 6.66 | 48.84 |
| Newport | 0.70 | 1.42 | 1.16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| New Smyrna | 1.01 | 0.39 | 0.99 | 0.70 | 1.92 | 5.08 | 4.36 | 2.29 | 6.13 | 8.53 | 5.81 | 2.56 | 39.77 |
| Ocala | 0.12 | 0.86 | 1.81 | 2.38 | 2.64 | 9.02 | 6.44 | 6.94 | 4.06 | 3.18 | 5.28 | 6.25 | 48.98 |
| Orange City | 1.16 | 0.51 | 1.54 | 1.05 | 4.40 | 6.34 | 7.84 | 4.76 | 8.79 | 4.50 | 6.30 | 0.81 | 48.00 |
| Orlando | 1.08 | 0.63 | 0.28 | 2.59 | 5.10 | 6.87 | 8.31 | 5.92 | 4.95 | 4.58 | 4.60 | 3.61 | 48.52 |
| Panama City | 2.85 | 0.78 | 1.61 | 5.56 | 0.44 | 4.99 | 10.54 | 6.70 | 7.20 | 3.60 | ..... | ..... | ..... |
| Pensacola | 1.72 | 2.17 | 0.53 | 4.34 | 5.42 | 4.70 | 17.90 | 6.53 | 2.58 | 1.32 | 3.01 | 9.48 | 59.70 |
| Pinellas Park | 0.48 | 0.97 | 0.31 | 3.32 | 2.14 | 4.13 | 4.13 | 5.14 | 5.14 | 1.01 | 6.32 | 2.24 | 35.33 |
| Plant City | 0.84 | 0.40 | 0.32 | 1.48 | 3.52 | 9.37 | 5.19 | 7.57 | ..... | ..... | 3.02 | 2.24 | ..... |
| Punta Gorda | 0.48 | 0.28 | 0.99 | 2.41 | 2.46 | 3.48 | 9.01 | 8.36 | 7.44 | 1.36 | 5.97 | 3.29 | 45.53 |
| Quincy | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.48 | 1.78 | 6.87 | ..... |
| Ritta | 0.19 | 0.25 | 0.80 | 1.23 | 2.69 | 6.78 | 7.03 | 4.23 | 4.98 | 4.20 | 2.35 | 1.39 | 36.12 |
| Rockwell | 0.80 | 1.20 | 1.20 | 1.27 | ..... | 8.01 | 8.55 | 7.88 | 4.66 | ..... | ..... | ..... | ..... |
| St. Andrews | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.23 | 7.94 | ..... |
| St. Augustine | 0.83 | 0.77 | 0.67 | 0.40 | 2.15 | 6.07 | 3.75 | 2.39 | 4.33 | 8.11 | 3.80 | 4.33 | 37.60 |
| St. Cloud | 0.58 | 0.20 | 0.33 | 1.50 | 3.36 | 4.82 | 4.95 | 3.66 | 3.72 | 2.78 | 2.25 | 2.85 | 31.00 |
| St. Leo | 0.71 | 0.44 | 1.14 | 4.28 | 3.19 | 5.70 | 5.09 | 11.15 | 6.19 | 1.07 | 6.22 | 5.37 | 50.55 |
| St. Petersburg | 0.27 | 0.93 | 0.24 | 3.32 | 2.01 | 2.73 | 3.72 | 5.94 | 8.82 | 0.84 | 5.71 | 3.08 | 37.61 |
| Sand Key | 1.65 | 1.26 | 0.58 | 0.28 | 4.11 | 0.46 | 7.95 | 2.45 | 2.59 | 1.36 | 1.59 | 0.18 | 24.46 |
| Sanford | 0.55 | 0.14 | 1.53 | 0.99 | 3.45 | 7.23 | 11.31 | 2.20 | 3.52 | 6.94 | 5.96 | 2.02 | 45.84 |
| Satsuma Heights | 0.57 | 0.29 | 0.21 | 0.71 | 6.44 | 6.60 | 4.21 | 11.00 | 4.45 | 3.73 | 3.91 | 8.95 | 51.07 |
| Switzerland | 1.53 | 0.51 | 0.51 | 0.70 | 4.56 | 5.50 | 4.22 | 11.68 | 3.64 | 5.28 | 2.35 | 3.04 | 43.52 |
| Tallahassee | 2.22 | 2.40 | 1.73 | 3.86 | 1.67 | 8.55 | 15.02 | 2.54 | 4.65 | 4.67 | 2.27 | 8.41 | 57.99 |
| Tampa | 0.29 | 0.85 | 0.83 | 3.06 | 1.71 | 6.58 | 4.95 | 8.76 | 6.28 | 0.77 | 4.34 | 1.60 | 40.02 |
| Tarpon Springs | 0.51 | 0.95 | 0.62 | 2.51 | 1.58 | 3.57 | 5.59 | 4.33 | 9.99 | 0.78 | 8.18 | 4.22 | 42.83 |
| Titusville | 1.03 | 0.44 | 0.38 | 1.95 | 4.23 | 6.39 | 4.68 | 6.31 | 8.20 | 8.10 | 3.86 | 3.02 | 48.59 |
| Wausau | 1.68 | 3.05 | 1.79 | 4.16 | 3.10 | 6.24 | 13.08 | 2.65 | 2.45 | 2.40 | ..... | ..... | ..... |
| *Georgia.* | | | | | | | | | | | | | |
| Abbeville | 2.31 | 2.54 | 1.27 | 1.32 | 3.43 | 3.44 | 18.75 | 3.03 | 2.04 | 2.63 | 1.10 | 2.67 | 44.53 |
| Adairsville | 2.25 | 7.05 | 1.37 | 0.98 | 4.82 | 5.62 | 18.30 | 1.34 | 1.73 | 1.78 | ..... | ..... | ..... |
| Alapaha | 2.18 | 2.34 | 1.63 | 1.95 | 2.38 | 6.13 | 12.88 | 1.13 | 2.22 | 1.96 | 1.03 | 4.69 | 40.52 |
| Albany | 2.29 | 3.14 | 1.74 | 2.02 | 2.68 | 2.57 | 20.48 | 1.38 | 2.73 | 1.31 | 1.11 | 3.32 | 44.77 |
| Americus | 1.91 | 3.97 | 2.38 | 2.40 | 1.75 | 3.45 | 13.89 | 0.32 | 2.67 | 1.10 | 0.87 | 2.47 | 37.18 |
| Athens | 2.65 | 4.80 | 2.02 | 1.84 | 1.95 | 3.38 | 8.49 | 3.24 | 2.12 | 2.27 | 1.73 | 2.62 | 37.11 |
| Atlanta | 2.53 | 3.19 | 1.84 | 1.51 | 3.57 | 3.28 | 10.85 | 3.61 | 2.84 | 2.11 | 2.63 | 3.57 | 41.53 |
| Augusta | 0.75 | 4.28 | 1.39 | 1.79 | 1.65 | 7.41 | 8.25 | 2.20 | 3.45 | 1.10 | 1.46 | 2.12 | 35.85 |
| Bainbridge | 1.87 | 1.92 | 1.49 | 2.34 | 1.89 | 6.93 | 15.54 | 3.17 | 1.33 | 1.68 | 1.18 | 6.17 | 45.51 |
| Blakely | 2.47 | 3.62 | 2.58 | 2.19 | 3.50 | 4.93 | 30.23 | 2.63 | 2.77 | 1.51 | 1.73 | 4.49 | 62.65 |
| Blue Ridge | 3.53 | 5.22 | 2.50 | 1.90 | 4.20 | 5.08 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Brunswick | 0.92 | 1.21 | 0.58 | 1.33 | 2.08 | 3.63 | 3.61 | ..... | ..... | ..... | ..... | ..... | ..... |
| Butler | 1.58 | 3.42 | 1.67 | 1.71 | 2.00 | 5.01 | 13.58 | 2.12 | 2.77 | 1.41 | 1.31 | 2.41 | 38.99 |
| Canton | 2.23 | 5.28 | 1.57 | 1.69 | 3.48 | 5.74 | 17.00 | 2.00 | 1.65 | 3.35 | 2.31 | 5.13 | 51.43 |
| Carlton | 1.51 | 5.23 | 1.41 | 1.83 | 2.72 | 1.89 | 10.40 | 1.03 | 2.96 | 1.48 | 1.33 | 2.29 | 34.08 |
| Clayton | 4.14 | 4.17 | 3.68 | 2.95 | 5.60 | 4.68 | 24.88 | 7.06 | 2.14 | 4.06 | 3.13 | 3.74 | 70.23 |
| Columbus | 1.53 | 3.40 | 2.70 | 2.28 | 3.09 | 2.31 | 16.14 | 3.08 | 2.73 | 0.98 | 2.08 | 2.77 | 43.09 |
| Concord | 1.72 | 6.44 | 2.84 | 1.72 | 1.19 | 2.95 | 13.26 | 2.69 | 1.75 | 2.19 | 3.34 | 3.46 | 43.55 |
| Covington | 2.60 | 4.90 | 2.10 | 1.80 | 2.00 | 4.85 | 15.35 | 2.45 | 0.85 | 1.20 | 2.60 | 2.70 | 43.40 |
| Dahlonega | 2.76 | 4.87 | 2.51 | 1.95 | 5.86 | 5.94 | 16.67 | 4.62 | 1.76 | 3.68 | 2.64 | 6.80 | 60.06 |
| Dublin | 1.55 | 2.17 | 2.68 | 1.17 | 2.50 | 3.21 | 12.78 | 2.63 | 6.76 | 2.37 | 2.10 | 2.78 | 42.70 |
| Eastman | 2.59 | 2.56 | 2.05 | 1.40 | 2.59 | 4.82 | 16.84 | 0.88 | 1.67 | 3.19 | 0.88 | 2.94 | 42.41 |
| Eatonton | 2.51 | 5.20 | 0.90 | 1.92 | 2.40 | 3.61 | 13.26 | 1.76 | 1.50 | ..... | 1.14 | 3.01 | ..... |
| Fair View | 1.07 | 4.14 | 1.89 | 3.46 | 2.45 | 3.21 | 17.28 | 3.96 | 1.65 | 2.44 | 1.99 | 2.75 | 46.29 |
| Fitzgerald | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.72 | 2.46 | 0.69 | 2.66 | ..... |
| Fort Gaines | 2.80 | 3.05 | 2.47 | 2.04 | 6.28 | 4.87 | 23.00 | 1.75 | 2.00 | 1.28 | 1.48 | 5.27 | 56.29 |
| Gainesville | 2.34 | 5.13 | 1.99 | 1.78 | 4.52 | 3.62 | 13.47 | 4.99 | 2.38 | 3.08 | 2.87 | 4.60 | 50.77 |
| Gillsville | 2.29 | 4.16 | 2.40 | 1.40 | 3.79 | 4.57 | 13.05 | 4.72 | 2.38 | 3.08 | 2.43 | 3.92 | 48.19 |
| Glennville | 1.62 | 1.79 | 1.78 | 1.26 | 1.42 | 6.34 | 12.83 | 6.26 | 1.49 | 2.85 | 0.89 | 2.31 | 40.84 |
| Goat Rock | 1.24 | 3.97 | 2.29 | 1.67 | 3.10 | 2.58 | 15.85 | 1.79 | 2.36 | 1.02 | 2.59 | 4.24 | 42.70 |
| Grayson | ..... | ..... | 3.04 | 1.25 | ..... | ..... | 18.48 | ..... | ..... | ..... | ..... | ..... | ..... |
| Greensboro | 2.52 | 5.15 | 2.53 | 2.25 | 2.45 | 2.40 | 11.79 | 3.24 | 1.57 | 2.55 | 1.24 | 3.30 | 40.99 |
| Griffin | 2.26 | 5.82 | 2.20 | 2.12 | 1.48 | 4.20 | 18.75 | 7.44 | 0.87 | 2.58 | 3.36 | 3.44 | 54.52 |
| Hartwell | 1.97 | 5.22 | ..... | 1.18 | 2.83 | 3.34 | 11.56 | 0.90 | 2.95 | 1.52 | 1.45 | 1.97 | ..... |
| Hawkinsville | 1.09 | 2.15 | 1.95 | 1.67 | 1.64 | 4.49 | 14.37 | 2.31 | 0.88 | 2.26 | 0.57 | 1.90 | 35.28 |
| Lisbon | 0.93 | 4.87 | 1.86 | 1.89 | 2.33 | 1.59 | 8.26 | 2.80 | 2.16 | 1.34 | ..... | 2.46 | ..... |
| Lost Mountain | 2.15 | 3.22 | 1.82 | 2.25 | 3.35 | 5.26 | 9.65 | 2.14 | 2.20 | 2.48 | 4.71 | 4.42 | 43.65 |
| Louisville | 0.82 | 3.32 | 2.10 | 1.06 | 1.98 | 4.10 | 12.43 | 2.13 | 0.76 | 2.26 | 1.79 | 2.54 | 35.29 |
| Lumber City | 2.05 | 2.09 | 1.95 | 0.76 | 2.84 | 8.48 | 12.63 | 3.30 | 0.20 | 1.24 | 0.85 | 4.06 | 40.45 |
| Lumpkin | 3.40 | 2.39 | 2.86 | 1.77 | 3.43 | 4.15 | 16.36 | 0.67 | 1.41 | 1.47 | 1.43 | 3.12 | 42.46 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Georgia*—Continued. | | | | | | | | | | | | | |
| Macon | 1.74 | 3.76 | 1.38 | 1.31 | 1.71 | 3.62 | 13.40 | 1.66 | 2.51 | 1.72 | 0.66 | 2.08 | 35.55 |
| Marshallville | 1.83 | 3.38 | 3.17 | 1.99 | 3.05 | 3.85 | 14.39 | 1.40 | 1.39 | 1.20 | 0.94 | 3.38 | 39.97 |
| Milledgeville | 1.95 | 4.39 | 2.34 | 1.33 | 1.64 | 2.41 | 15.97 | 4.11 | 1.78 | 1.93 | 1.02 | 2.43 | 41.30 |
| Millen | 1.10 | 1.37 | 1.85 | 1.60 | 1.20 | 5.03 | 12.77 | 3.81 | 1.12 | 2.96 | ..... | 2.47 | ..... |
| Montezuma | 0.98 | 3.87 | 2.43 | 1.85 | 2.33 | 2.25 | 12.86 | 2.24 | 1.11 | 1.25 | 0.77 | 1.75 | 33.69 |
| Monticello | 1.90 | 5.44 | 1.81 | 2.14 | 2.03 | 1.89 | 12.91 | 2.97 | 4.13 | 2.01 | 1.46 | 3.54 | 42.23 |
| Newnan | 1.84 | 5.31 | 2.71 | 2.25 | 2.58 | 4.10 | 13.76 | 2.62 | 4.08 | 1.75 | 3.55 | 3.49 | 48.04 |
| Norcross | 1.72 | 4.51 | 2.32 | 1.66 | 3.74 | 4.90 | 16.48 | 3.85 | 1.87 | 2.34 | 2.45 | 3.59 | 49.43 |
| Point Peter | 2.18 | 5.75 | 1.80 | 1.90 | 2.35 | 3.35 | 9.18 | 1.73 | 2.48 | 1.55 | 1.36 | 2.95 | 36.58 |
| Poulan | 2.52 | 2.70 | 2.26 | 1.94 | 1.86 | 2.48 | 18.44 | 1.41 | 1.79 | 2.10 | 0.73 | 2.64 | 40.87 |
| Putnam | ..... | 2.65 | 2.14 | ..... | ..... | ..... | 15.50 | ..... | 1.50 | 0.70 | 0.50 | 1.20 | ..... |
| Quitman | 1.27 | 1.96 | 1.00 | 1.33 | 2.82 | 3.20 | 14.86 | 2.32 | 3.98 | 2.12 | 1.38 | 7.18 | 43.42 |
| Ramhurst | 3.10 | 5.74 | 2.00 | 1.49 | 4.98 | 7.55 | 10.62 | 3.13 | 2.07 | 1.99 | 3.18 | 3.99 | 49.84 |
| Resaca | 2.77 | 5.49 | 1.28 | 2.52 | 4.86 | 4.08 | 14.44 | 1.98 | 2.42 | 2.85 | 3.15 | 4.00 | 49.84 |
| Rome | 2.43 | 5.41 | 1.83 | 2.16 | 6.02 | 4.06 | 14.76 | 3.09 | 1.65 | 1.75 | 2.45 | 4.62 | 50.23 |
| St. George | 0.92 | 0.37 | 0.25 | 1.25 | ..... | ..... | 4.96 | 11.75 | 4.12 | 3.63 | 1.60 | 8.56 | ..... |
| Savannah | 1.43 | 1.85 | 1.37 | 3.16 | 1.61 | 2.44 | 8.27 | 7.49 | 2.10 | 4.94 | 1.19 | 2.06 | 37.91 |
| Statesboro | 1.12 | 1.74 | 2.22 | 1.02 | 2.25 | 5.77 | 9.83 | 6.29 | 2.52 | 3.42 | 1.35 | 1.89 | 39.42 |
| Talbotton | 1.45 | 3.93 | 2.63 | 1.60 | 2.12 | 5.73 | 19.15 | 4.16 | 1.41 | 1.13 | 2.24 | 3.11 | 48.66 |
| Tallapoosa | 2.62 | 5.39 | 2.04 | 2.41 | 4.19 | 3.79 | 16.66 | 2.52 | 2.27 | 1.17 | 2.47 | 5.26 | 50.79 |
| Thomasville | 2.03 | 1.88 | 1.62 | 2.47 | 1.54 | 3.55 | 13.32 | 1.01 | 3.29 | 4.88 | 1.87 | 6.59 | 44.05 |
| Toccoa | 2.44 | 5.08 | 1.53 | 1.72 | 4.30 | 3.37 | 12.48 | 4.84 | 2.90 | 3.03 | 2.69 | 4.05 | 48.43 |
| Valdosta | 0.90 | 1.60 | 1.25 | 3.45 | 2.50 | 5.55 | 11.70 | 5.00 | 0.95 | 2.35 | 1.55 | 5.95 | 42.75 |
| Warrenton | 1.92 | 5.51 | 0.72 | 1.66 | 1.95 | 3.88 | 13.19 | 2.85 | 2.96 | 1.97 | 1.05 | 2.65 | 40.31 |
| Washington | 1.95 | 5.35 | 2.55 | 2.35 | 2.06 | 3.90 | 15.70 | 5.00 | 1.67 | 2.38 | 1.02 | 2.48 | 46.41 |
| Waycross | 0.89 | 1.98 | 0.55 | 1.15 | 1.98 | 8.30 | 11.86 | 2.67 | 2.66 | 2.78 | 1.26 | 4.46 | 40.54 |
| Waynesboro | 0.83 | 3.79 | 1.72 | 1.42 | 1.23 | 5.40 | 8.44 | 2.44 | 1.80 | 1.81 | 1.30 | 2.90 | 33.08 |
| West Point | 2.10 | 4.01 | 3.51 | 1.47 | 1.89 | 3.93 | 15.56 | 2.16 | 2.14 | 2.54 | 3.21 | 3.97 | 46.49 |
| Woodbury | 1.55 | 5.21 | 1.81 | 1.52 | 1.31 | 3.17 | 14.42 | 2.49 | 2.85 | 1.88 | 3.14 | 2.94 | 42.29 |
| *Idaho.* | | | | | | | | | | | | | |
| Aberdeen | 1.04 | 1.76 | 2.15 | 0.38 | 1.37 | 0.08 | 0.47 | 0.40 | T. | 1.71 | 0.43 | 1.14 | 10.93 |
| American Falls | 2.37 | 3.63 | 2.40 | 0.16 | 1.58 | 0.31 | 1.18 | 0.34 | 0.00 | 2.06 | 1.11 | 2.17 | 17.31 |
| Arco | 2.68 | 0.48 | 0.89 | 0.10 | 0.64 | 0.34 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Arrowrock | 5.06 | 7.99 | ..... | 0.50 | 1.27 | ..... | 0.83 | 0.55 | T. | 0.88 | 2.70 | 2.40 | ..... |
| Ashton | 3.55 | 1.77 | ..... | 1.15 | 1.75 | 1.12 | 0.77 | 0.89 | 0.18 | 1.83 | 1.06 | 3.38 | ..... |
| Atlanta | ..... | ..... | 1.91 | 0.57 | 1.58 | 0.57 | 1.22 | 0.69 | 0.53 | 1.41 | ..... | ..... | ..... |
| Avery | ..... | 4.45 | 8.52 | 2.85 | 2.70 | 3.84 | 5.31 | 1.82 | 3.21 | 1.18 | 5.67 | 2.86 | ..... |
| Bear Valley | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.44 | 0.12 | 2.60 | ..... | ..... |
| Beaver Creek | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.42 | ..... | ..... | ..... | ..... |
| Big Smoky | ..... | ..... | ..... | ..... | ..... | 0.40 | 0.52 | 0.33 | 0.11 | 1.79 | ..... | ..... | ..... |
| Big Springs | ..... | ..... | ..... | ..... | 3.40 | 1.30 | 1.08 | 1.40 | 0.32 | 3.15 | 1.97 | ..... | ..... |
| Blackfoot | 1.34 | 1.81 | 1.97 | 0.32 | 1.03 | 0.06 | 1.39 | 0.26 | 0.11 | 1.41 | 0.43 | 1.63 | 11.76 |
| Blackfoot Dam | 1.94 | 2.24 | 0.75 | 0.13 | 1.47 | 0.98 | 1.16 | 0.73 | 0.05 | 2.25 | 1.72 | 3.42 | 16.84 |
| Bogus Creek | 4.12 | 5.15 | 2.11 | 1.16 | 2.35 | 2.30 | 0.90 | 0.82 | 0.10 | 1.05 | 2.15 | 2.66 | 24.87 |
| Boise | 1.93 | 3.21 | 0.71 | 0.80 | 1.80 | 1.68 | 0.81 | 0.45 | 0.05 | 0.84 | 1.07 | 1.29 | 14.64 |
| Boise King | 4.69 | ..... | 2.33 | 0.59 | 0.84 | 1.14 | 0.85 | 0.98 | 0.39 | 0.98 | 1.82 | 1.72 | ..... |
| Bonanza | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.45 | 0.60 | 0.67 | 0.94 | 2.19 | ..... |
| Bonners Ferry | 3.85 | 2.80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Bostetter | ..... | ..... | ..... | ..... | ..... | ..... | 0.83 | 0.15 | 0.23 | 2.55 | ..... | ..... | ..... |
| Boulder Mine | 7.58 | 6.97 | 3.49 | 1.29 | 1.79 | 2.97 | 1.52 | 1.40 | 0.58 | 1.40 | 3.00 | 4.09 | 36.08 |
| Brownlee | ..... | ..... | ..... | ..... | ..... | 1.92 | 1.32 | 0.14 | 0.44 | 0.90 | 1.76 | ..... | ..... |
| Buhl | 1.62 | 2.98 | 0.89 | 0.28 | 1.46 | 0.18 | 0.71 | 0.04 | T. | 1.37 | 1.05 | 1.25 | 11.83 |
| Burke | 6.01 | 3.80 | 8.94 | 1.71 | 4.21 | 2.79 | 1.06 | 0.18 | 4.31 | 1.31 | 6.47 | 5.41 | 46.20 |
| Caldwell | 2.16 | ..... | 0.46 | 0.32 | 0.61 | 1.17 | 0.75 | 0.23 | 0.09 | 0.64 | 0.60 | 1.00 | ..... |
| Cambridge | 7.13 | 3.84 | 1.86 | 0.73 | 0.83 | 2.08 | 1.04 | 0.14 | 0.17 | 0.84 | 2.51 | 3.51 | 24.68 |
| Castle Creek | 2.32 | 2.84 | 4.85 | 6.53 | 3.72 | 3.86 | 2.46 | 1.79 | 3.72 | ..... | ..... | ..... | ..... |
| Challis | 1.27 | 0.52 | 0.15 | 0.67 | 0.45 | 0.53 | 0.42 | 0.13 | 0.16 | 0.29 | 0.10 | 0.53 | 5.22 |
| Chattin's Ranch | ..... | ..... | ..... | ..... | ..... | ..... | 0.67 | 0.44 | 0.00 | 0.79 | 0.22 | 1.07 | ..... |
| Chesterfield | 1.93 | 1.50 | 1.37 | 0.04 | 1.08 | 0.85 | 1.35 | 0.89 | 0.02 | 2.31 | ..... | 1.10 | ..... |
| Clark Fork | 2.69 | 4.00 | 7.55 | 2.92 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Coeur d'Alene | 3.48 | 2.20 | 5.37 | 1.94 | 1.90 | 3.20 | 1.21 | 0.95 | 1.07 | 0.39 | 4.00 | 2.52 | 28.23 |
| Coolwater Lookout | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.26 | ..... | ..... | ..... | ..... | ..... |
| Cottonwood Creek | 7.60 | 7.26 | 3.22 | 0.90 | 1.45 | 2.33 | 0.78 | 0.96 | 0.10 | 0.98 | 3.03 | 3.64 | 32.25 |
| Council | 10.60 | 4.91 | 3.16 | 1.13 | 1.71 | 1.49 | 1.66 | 0.52 | 0.47 | 0.87 | 2.72 | 4.97 | 34.21 |
| Culdesac | 2.10 | 2.11 | 3.01 | 1.50 | 2.33 | 1.87 | 1.41 | 1.65 | 0.61 | 0.10 | 2.43 | ..... | ..... |
| Cuprum | ..... | ..... | ..... | ..... | ..... | ..... | 1.81 | 0.42 | 0.86 | 0.99 | ..... | 1.89 | ..... |
| Deary | 2.41 | ..... | ..... | ..... | 1.78 | 2.86 | 2.06 | ..... | ..... | ..... | ..... | ..... | ..... |
| Deer Flat | ..... | ..... | ..... | ..... | ..... | ..... | 0.54 | 0.24 | 0.08 | 0.65 | 0.51 | 0.38 | ..... |
| Driggs | 1.01 | 1.68 | 1.94 | 0.16 | 1.79 | 2.24 | 0.87 | 0.83 | 0.44 | 1.91 | 0.55 | 1.81 | 15.23 |
| Elk Creek | 5.99 | ..... | 7.46 | 2.78 | 2.09 | 2.62 | 2.96 | 0.96 | 3.62 | 1.71 | 5.77 | 5.84 | ..... |
| Emmett | 2.28 | 3.40 | 0.59 | 0.67 | 0.95 | 1.40 | 1.20 | 0.20 | 0.02 | 0.60 | 0.68 | 1.09 | 13.08 |
| Fish Lake | ..... | ..... | ..... | ..... | ..... | ..... | 2.86 | 2.31 | ..... | ..... | ..... | ..... | ..... |
| Fort Hall | 0.79 | 1.48 | 1.63 | 0.30 | 0.60 | 0.14 | 0.88 | 0.52 | 0.03 | 2.19 | 0.36 | 1.04 | 9.96 |
| Flowers | ..... | ..... | ..... | ..... | ..... | 0.69 | 0.83 | T. | 0.06 | 2.08 | 0.90 | ..... | ..... |
| Fraser Ranger Station | ..... | ..... | ..... | ..... | ..... | 0.25 | 1.66 | 0.08 | 0.05 | 2.67 | ..... | ..... | ..... |
| French Gulch | ..... | ..... | ..... | 4.17 | 3.06 | 2.59 | 2.02 | 1.68 | 3.49 | 2.24 | 2.37 | 4.76 | ..... |
| Garden Valley | ..... | ..... | ..... | ..... | ..... | ..... | 0.78 | 0.55 | 0.15 | 0.47 | 2.14 | 2.68 | ..... |
| Garnet | ..... | 2.07 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Geneva | 1.90 | 1.94 | 0.85 | 0.47 | 0.30 | 0.26 | 0.25 | 0.60 | 0.00 | 0.53 | 0.49 | 1.62 | 9.21 |
| Glenns Ferry | 1.40 | 2.41 | 0.64 | 0.13 | 0.97 | 0.52 | 0.90 | 0.25 | 0.10 | 0.61 | 0.92 | 0.93 | 9.78 |
| Gooding | 1.69 | 1.28 | 0.78 | 0.49 | 0.70 | 0.15 | 0.71 | 1.15 | 0.00 | 0.70 | 0.98 | 0.75 | 9.38 |
| Grace | 0.91 | 0.45 | 1.78 | 0.12 | 1.12 | 0.94 | 0.52 | 0.85 | 0.00 | 2.38 | 0.37 | 2.79 | 12.23 |
| Grandview Ranger Station | ..... | ..... | ..... | ..... | ..... | 1.64 | 1.79 | 0.80 | 0.57 | 2.66 | 2.44 | 2.47 | ..... |
| Grays Lake | ..... | ..... | ..... | ..... | ..... | ..... | 1.17 | 0.80 | 0.22 | ..... | 0.43 | 2.34 | ..... |
| Grimes Pass | 6.54 | 5.98 | 3.18 | 1.05 | 1.61 | 2.20 | 1.00 | 1.22 | 0.61 | 0.76 | 2.92 | 3.53 | 30.61 |
| Guffey | 1.32 | 1.68 | 0.55 | 0.49 | 0.97 | 0.98 | 0.71 | 0.36 | T. | 1.29 | 0.06 | 0.77 | 9.20 |
| Hailey | 7.01 | 1.10 | 1.06 | 0.49 | 1.24 | 0.48 | 0.16 | 0.83 | 0.05 | 1.91 | 1.12 | 3.07 | 18.52 |
| Hawley Gulch | ..... | ..... | ..... | ..... | ..... | 1.60 | 1.58 | ..... | 0.67 | 2.98 | 1.99 | 4.29 | ..... |
| Hereford | ..... | ..... | ..... | ..... | ..... | ..... | 1.22 | ..... | 0.03 | 2.15 | ..... | ..... | ..... |
| Hill City | ..... | ..... | ..... | ..... | ..... | ..... | 0.76 | 0.05 | 0.06 | 0.94 | 1.17 | 2.82 | ..... |
| Hollister | ..... | 3.70 | 0.62 | 0.85 | 0.50 | 0.08 | 0.66 | ..... | 0.00 | 1.06 | 0.58 | 1.28 | ..... |
| Hotspring | 1.26 | 0.68 | 0.25 | 0.20 | 0.62 | 0.70 | 0.55 | 0.55 | 0.09 | 0.21 | 0.48 | 0.55 | 6.05 |
| Idaho City | 5.38 | 6.09 | 2.63 | 0.91 | 1.05 | 2.36 | 0.92 | 1.04 | ..... | 1.01 | 2.64 | 3.55 | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Idaho*—Continued. | | | | | | | | | | | | | |
| Idaho Falls | 2.31 | 1.47 | 1.52 | 0.38 | 1.78 | 0.24 | 0.53 | 0.80 | T. | 0.66 | | | |
| Imus Bros. ranch | 0.90 | 0.40 | 0.27 | 0.91 | 1.65 | 1.31 | 0.32 | 0.09 | 0.13 | 1.83 | 0.38 | 0.61 | 8.80 |
| Indian Cove | | | | | | | | 0.33 | T. | 0.44 | 0.53 | 0.37 | |
| Irwin | 0.85 | 1.91 | 1.18 | 0.23 | | 1.85 | 0.74 | 0.70 | 0.72 | 2.10 | 0.87 | 2.39 | |
| Jerome | 0.98 | 2.20 | 1.05 | 0.51 | 0.67 | 0.01 | 0.40 | T. | T. | 1.17 | 0.89 | | |
| Kamiah | | | | 1.64 | | 1.91 | 1.26 | 0.67 | 1.99 | 0.97 | 1.93 | 2.36 | |
| Kellogg | 2.64 | 3.01 | 6.75 | 2.67 | 2.21 | 3.62 | 3.28 | 2.39 | 3.22 | 0.54 | 3.82 | 3.05 | 37.20 |
| Kilgore | 3.01 | | | 0.73 | | 0.75 | 1.44 | 0.86 | T. | | | | |
| Kirkham | 4.54 | 3.50 | 1.17 | 1.49 | 0.79 | 1.91 | 1.04 | 1.23 | 0.31 | 1.18 | 1.77 | 3.65 | 22.58 |
| Kooskia | 1.47 | 2.16 | 3.31 | 2.93 | 2.47 | 2.62 | | 0.85 | 1.82 | 1.51 | | 1.67 | |
| Lakeview (near) | 6.65 | 3.39 | 6.91 | 2.51 | 2.30 | 3.46 | 1.63 | 1.30 | 2.21 | 1.41 | 4.26 | 5.19 | 41.22 |
| Landore | 10.35 | | | | | | | | | | | | |
| Lapwai | | | 2.78 | 1.22 | 1.42 | 2.01 | 1.22 | 1.73 | 0.48 | 0.49 | 2.05 | | |
| Lemhi | 1.03 | 0.65 | 0.79 | 1.33 | 1.91 | 1.73 | 1.12 | 0.52 | 0.48 | 1.07 | 0.08 | 0.30 | 11.01 |
| Lewiston | 1.65 | 2.48 | 2.63 | 0.84 | 1.47 | 1.91 | 1.42 | 1.41 | 0.45 | 0.27 | 1.37 | 1.59 | 17.49 |
| Little Camas | 4.85 | 4.14 | 2.16 | 0.42 | 1.14 | 0.77 | 0.34 | 0.48 | 0.14 | 2.04 | 2.03 | 2.67 | 21.18 |
| Long Gulch | 4.38 | 5.09 | 2.24 | 0.69 | 1.28 | 1.47 | 1.45 | 0.73 | 0.04 | 1.16 | 0.90 | | |
| Loon Creek | | | | | 1.27 | 1.57 | 1.38 | 0.78 | 0.34 | 0.56 | | | |
| McCall | | | | | | | | 0.40 | 0.65 | 1.32 | 2.05 | 4.28 | |
| Mckay | 3.05 | 0.66 | 0.84 | 0.41 | 1.13 | 0.24 | 1.19 | 0.08 | 0.19 | 1.18 | 0.21 | 1.05 | 10.23 |
| Malad | 2.21 | 1.48 | | | | | | | | | | | |
| Meridian | 2.25 | 3.54 | 0.84 | 0.41 | 1.28 | 1.17 | 0.90 | 0.38 | 0.07 | 1.48 | 1.01 | 1.16 | 14.49 |
| Middle Fork | 1.64 | | 4.12 | 4.75 | 3.74 | 2.40 | 1.70 | 0.10 | | 1.26 | 3.25 | | |
| Montpelier | 1.20 | 1.26 | 1.01 | 0.60 | 1.07 | 0.74 | 0.51 | 0.69 | 0.07 | 1.30 | | | |
| Moscow | 2.67 | 2.03 | 4.88 | 1.01 | 1.36 | 2.20 | 1.12 | 1.17 | 0.64 | 0.30 | 2.64 | 1.94 | 21.96 |
| Mountainhome | 1.30 | 2.44 | 0.74 | 0.19 | 0.83 | 0.65 | 0.29 | 0.46 | 0.02 | 1.21 | 0.22 | 1.18 | 9.53 |
| Mountainview Ranger Station | | | | | | 0.23 | 0.60 | 0.24 | 0.18 | 1.52 | 0.38 | | |
| Murtaugh | 0.99 | 3.11 | 0.89 | 0.25 | 0.64 | T. | 0.17 | T. | T. | 1.24 | 0.80 | 1.47 | 9.56 |
| Musselshell | 3.97 | 4.19 | 6.11 | 3.36 | 2.98 | 2.19 | 2.26 | 0.95 | 0.93 | 0.96 | 4.59 | 5.30 | 37.79 |
| New Meadows | 6.41 | 3.84 | 2.95 | 1.28 | 1.62 | 1.59 | 1.46 | 0.76 | 0.60 | 1.03 | 1.97 | 3.62 | 27.13 |
| Nezperce | 2.25 | 3.11 | 2.42 | 1.55 | 2.01 | 2.51 | 2.58 | 0.94 | 1.89 | 0.76 | 1.37 | 2.06 | 23.45 |
| Northfork | 0.80 | 1.92 | 0.69 | 0.99 | 1.76 | 2.75 | 1.81 | 1.04 | 0.93 | 0.79 | | | |
| Oakley | 0.66 | 0.96 | 2.14 | 0.37 | 1.18 | 0.10 | 0.79 | 0.55 | 0.07 | 1.74 | 0.38 | 1.11 | 10.05 |
| Orofino | 2.43 | 4.73 | 5.83 | 1.37 | 1.85 | 2.14 | 2.08 | 1.04 | 2.58 | 0.64 | 3.64 | 2.56 | 30.89 |
| Payette | 1.98 | 2.97 | 0.82 | 0.17 | 0.44 | 1.17 | 0.29 | 0.03 | 0.04 | 0.64 | 0.60 | 0.96 | 10.11 |
| Peace Valley | | | | | | | | 2.04 | 0.39 | | | | |
| Pierson | 3.23 | 1.85 | 1.23 | 0.10 | 1.31 | 0.70 | 0.65 | 0.33 | 0.12 | 1.15 | 0.81 | 0.85 | 12.33 |
| Pine | 7.71 | 6.15 | 2.83 | 0.16 | 1.61 | 0.47 | 0.48 | 0.37 | 0.82 | 0.77 | 2.35 | 3.59 | 27.31 |
| Pleasant Valley | 1.17 | 2.01 | 0.52 | 0.45 | 2.13 | 1.26 | 1.12 | 0.33 | 0.06 | 0.60 | 0.79 | 0.81 | 11.25 |
| Pocatello | 2.44 | 1.60 | 2.35 | 0.36 | 1.12 | 0.32 | 0.73 | 0.95 | 0.01 | 2.11 | 0.61 | 2.31 | 14.91 |
| Pocatello Nursery | 1.59 | | | 0.43 | 1.67 | 0.27 | 1.49 | 0.82 | T. | 3.25 | | | |
| Pollock | 2.65 | | | | 1.88 | 2.32 | | | | 1.18 | 1.26 | 2.30 | |
| Porcupine | | | | 0.94 | 1.76 | 1.78 | 0.62 | 1.13 | 0.27 | 1.64 | 1.44 | 4.14 | |
| Porthill | 1.91 | 1.73 | 3.05 | 0.82 | 1.69 | 2.86 | 0.99 | 0.35 | 0.92 | 0.66 | 1.62 | 1.39 | 17.99 |
| Potlatch | 2.45 | 3.08 | 7.21 | 1.79 | 2.36 | 2.90 | 1.60 | 1.47 | 1.20 | 0.44 | 3.90 | 3.42 | 31.82 |
| Prichard | 3.43 | 3.95 | 6.50 | 2.38 | 2.83 | | 3.46 | 2.07 | 2.85 | 0.86 | 4.39 | | |
| Priest Lake | | | | | 2.50 | 3.38 | 1.13 | 0.95 | 1.85 | 1.17 | | | |
| Priest River Experiment Station | 4.51 | 2.54 | 5.93 | 2.00 | 2.59 | 3.23 | 1.66 | 1.22 | 1.86 | 1.15 | 3.30 | 2.82 | 32.81 |
| Pyle Creek | 6.48 | 7.08 | 3.15 | 0.93 | 1.68 | 1.48 | 1.31 | 0.65 | 0.06 | 0.58 | 2.27 | 3.32 | 28.99 |
| Rattlesnake | 5.14 | 5.55 | 2.41 | 0.60 | 1.24 | 1.64 | 1.56 | 0.67 | 0.10 | 1.13 | 2.34 | 3.00 | 25.38 |
| Rice | 6.43 | 2.66 | | 1.20 | 1.47 | 1.37 | 0.68 | 0.65 | 0.22 | 1.83 | 1.92 | 4.38 | |
| Richfield | 2.96 | 1.55 | 1.24 | 0.52 | 0.85 | 0.34 | 0.10 | 0.00 | 0.02 | 1.11 | 0.91 | 1.69 | 11.29 |
| Rupert | 1.22 | 2.68 | 1.88 | 0.11 | | 0.23 | 0.84 | T. | 0.00 | 1.85 | 0.84 | 1.70 | |
| Russian John | | | | | | | 0.80 | 0.42 | 0.06 | | | | |
| St. Maries | 2.76 | 2.94 | 7.76 | 1.95 | 2.21 | | 1.45 | 1.39 | 2.06 | | 4.12 | 2.98 | |
| St. Michaels Priory | 2.06 | 3.10 | 3.44 | 2.01 | 2.77 | 4.01 | 2.79 | 1.53 | 2.45 | 0.94 | 2.25 | 2.72 | 30.07 |
| Salmon | 0.75 | 1.04 | 0.50 | 0.87 | 0.82 | 1.68 | 1.08 | 0.61 | 0.20 | 0.89 | 0.23 | 0.62 | 9.29 |
| Sandpoint | 3.81 | 2.16 | 4.36 | 1.85 | 1.50 | 2.98 | 1.57 | 1.81 | 1.85 | 0.59 | 3.49 | 2.16 | 28.13 |
| Sheep Hill | 8.24 | 7.70 | 2.94 | 0.40 | | 1.66 | 0.90 | 0.56 | 0.05 | 0.78 | 2.94 | 4.33 | |
| Shoshone | 2.07 | 1.75 | 1.20 | T. | 0.69 | 0.18 | 0.52 | T. | T. | 1.21 | 0.92 | 1.60 | 10.14 |
| Silver City | 5.42 | 3.61 | 0.67 | 1.19 | 1.88 | 2.56 | 1.34 | 0.60 | 0.06 | 0.74 | 1.26 | 4.26 | 23.59 |
| Smiths Ferry | | | | | | | 0.73 | 1.80 | T. | 1.04 | 1.77 | 5.08 | |
| Soldier Creek | 9.82 | 3.30 | 2.37 | 0.62 | 2.23 | 0.12 | 0.37 | 0.37 | 0.05 | 1.44 | 2.59 | 5.25 | 28.53 |
| Southfork Ranger Station | | | | | | | | 1.75 | 0.41 | 0.53 | | | |
| Spencer | 4.24 | 0.44 | 1.58 | 0.45 | 3.37 | 1.01 | 1.36 | 0.74 | 0.16 | 3.21 | 1.32 | 1.87 | 19.75 |
| Springfield | 1.31 | 1.38 | 1.61 | 0.37 | 1.53 | 0.18 | 0.78 | 0.19 | T. | 2.46 | 0.33 | 1.22 | 11.36 |
| Stanley | | | | | | | 1.20 | 1.12 | 0.27 | 0.71 | 0.64 | 1.54 | |
| Sublett Ranger Station | | | | | | 0.44 | 0.90 | 0.91 | | 1.95 | | | |
| Sugar | 1.14 | 0.96 | 1.53 | 0.45 | 1.24 | 0.55 | 0.17 | 0.94 | 1.06 | | 0.17 | 1.50 | |
| Sunnyside | 1.39 | 2.42 | 1.26 | 0.44 | 1.42 | 1.68 | 0.55 | 0.62 | 0.04 | 1.29 | 1.09 | | |
| Sunset Lookout | | | | | | | 3.43 | 3.48 | | | | | |
| Trail Creek Ranger Station | | | | | | | 1.06 | 0.85 | | | | | |
| Tripod Mountain | 6.43 | 5.60 | 1.85 | 0.82 | 1.46 | 2.59 | 1.22 | 0.52 | 0.13 | 1.00 | 1.56 | 2.41 | 25.59 |
| Twin Falls | 1.47 | 2.05 | 1.09 | 1.16 | 0.80 | 0.08 | 0.35 | 0.01 | 0.00 | 1.30 | 0.76 | 1.55 | 10.62 |
| Wallace | 6.16 | 4.68 | 8.64 | 2.15 | 2.44 | 4.42 | 3.08 | 2.02 | 3.19 | 1.68 | 4.53 | 4.27 | 47.26 |
| Weiser | 3.20 | 2.97 | 1.01 | 0.35 | 0.94 | 1.31 | 0.50 | 0.03 | T. | 0.75 | 1.05 | 1.35 | 13.46 |
| Wendell | 2.05 | 2.41 | 0.95 | 0.40 | | | 0.45 | 0.03 | T. | 0.40 | | 0.50 | |
| Weston | 3.16 | 0.78 | 2.81 | 1.07 | 1.13 | 0.72 | 0.24 | | 0.00 | 0.38 | 0.05 | | |
| Whitebird | 1.83 | | | | | 2.32 | 2.12 | 1.82 | 2.30 | 1.50 | 1.48 | 1.60 | |
| White's | | | | | 0.73 | 0.50 | 0.31 | 0.55 | 0.06 | 1.41 | | | |
| Woodrow | 2.26 | 0.73 | 1.20 | 0.29 | 1.51 | 0.84 | 0.50 | 0.10 | 0.09 | | | | |
| *Illinois.* | | | | | | | | | | | | | |
| Albion | 8.90 | 1.53 | 2.40 | 1.40 | 3.83 | 7.12 | 3.85 | 6.10 | 1.76 | 2.27 | 1.91 | 3.37 | 44.44 |
| Aledo | 4.71 | 0.22 | 2.63 | 2.59 | 6.37 | 5.13 | 0.49 | 1.11 | 3.20 | 3.65 | 1.51 | 1.41 | 33.02 |
| Alexander | 4.67 | 1.00 | 1.92 | 1.18 | 5.21 | 3.95 | 1.41 | 4.69 | 2.74 | 1.51 | 2.14 | 1.01 | 31.43 |
| Anna | 9.54 | 1.78 | 1.06 | 2.62 | 4.29 | 7.80 | 0.62 | 3.65 | 3.09 | 2.13 | 2.49 | 4.22 | 43.29 |
| Antioch | 4.11 | 1.41 | | | | 7.64 | 2.03 | 1.97 | 3.77 | 4.27 | 2.07 | | |
| Astoria | 6.91 | 0.46 | 2.38 | 1.74 | 7.92 | 1.67 | 0.23 | 5.05 | 1.78 | 1.73 | 1.78 | 2.10 | 33.75 |
| Aurora | 4.80 | 0.85 | 2.45 | 1.88 | 3.74 | 7.19 | 0.42 | 1.16 | 4.15 | 4.42 | 2.36 | 2.53 | 35.95 |
| Beardstown | | 0.41 | 2.32 | 1.49 | 7.65 | 2.34 | T. | 4.93 | 1.94 | 1.35 | 2.00 | 1.53 | |
| Bement | 6.36 | 0.83 | 1.25 | 1.12 | 5.33 | 3.11 | 2.87 | 4.03 | 2.17 | 2.24 | 2.04 | 1.85 | 33.10 |
| Bloomington | 6.19 | 0.70 | 2.12 | 1.65 | 8.13 | 4.57 | 0.50 | 2.10 | 2.94 | 4.23 | 1.96 | 2.12 | 37.21 |
| Cairo | 8.11 | 0.83 | 1.65 | 1.66 | 3.06 | 8.00 | 0.21 | 2.28 | 2.07 | 1.29 | 1.70 | 4.46 | 35.32 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Illinois*—Continued. | | | | | | | | | | | | | |
| Camp Point | 6.09 | 0.87 | 2.09 | 1.52 | 7.43 | 3.89 | 0.74 | 5.17 | 1.86 | 2.30 | 1.97 | 1.86 | 35.79 |
| Carbondale | 9.69 | 1.90 | 1.95 | 2.39 | 3.60 | 5.59 | 5.59 | 5.44 | 3.07 | 2.96 | 2.34 | 4.25 | 48.77 |
| Carlinville | 6.87 | 1.02 | 1.42 | 1.81 | 3.89 | 5.14 | 1.22 | 7.36 | 2.13 | 2.01 | 2.19 | 1.26 | 36.32 |
| Casey | 8.10 | 1.36 | 0.97 | 1.01 | 2.46 | 5.70 | 2.83 | 1.77 | 1.50 | 1.74 | 1.99 | ..... | ..... |
| Charleston | 9.37 | 1.03 | 1.45 | 1.18 | 3.70 | 4.61 | 1.38 | 2.65 | 3.34 | 2.10 | 1.88 | 4.03 | 36.72 |
| Chester | 12.13 | 1.51 | 2.66 | 2.78 | 3.09 | 7.12 | 1.61 | 4.43 | 3.03 | 3.54 | 1.86 | 6.73 | 50.49 |
| Chicago | 4.84 | 0.87 | 2.48 | 1.60 | 2.93 | 7.25 | 2.22 | 1.05 | 2.24 | 3.88 | 2.11 | 2.58 | 34.05 |
| Clinton | 5.09 | 1.08 | 1.76 | 1.74 | 5.54 | 2.80 | 1.20 | 2.57 | 2.65 | 3.02 | 2.47 | 1.71 | 31.63 |
| Danville | 7.98 | 0.93 | 1.14 | 1.15 | 7.16 | 3.47 | 0.95 | 2.53 | 2.52 | 2.24 | 2.51 | 3.53 | 36.11 |
| Decatur | 6.17 | 1.16 | 1.59 | 1.53 | 5.28 | 2.72 | 0.11 | 2.72 | 2.89 | 2.25 | 2.08 | 1.53 | 30.03 |
| Dixon | 3.89 | 0.51 | 2.30 | 1.28 | 3.13 | 6.37 | 0.20 | 4.42 | 3.04 | 4.63 | 1.43 | 1.73 | 32.93 |
| DuQuoin | 7.41 | 1.42 | 1.11 | 1.84 | 3.21 | 9.63 | 1.40 | 3.69 | 3.12 | 2.88 | 1.74 | 3.44 | 40.89 |
| Dwight | 6.26 | 0.32 | 2.34 | 1.34 | 5.06 | 6.22 | T. | 1.88 | 1.86 | 3.19 | 1.99 | 2.23 | 32.69 |
| Edwardsville | 4.82 | 1.26 | 0.95 | 1.68 | 2.22 | 3.13 | 3.28 | 9.50 | 1.77 | 1.64 | 2.05 | 2.47 | 34.77 |
| Elgin | 2.58 | 0.61 | 1.05 | 0.68 | 3.58 | 6.64 | 0.33 | 1.84 | 5.63 | 5.11 | 2.41 | 1.83 | 32.29 |
| Equality | 8.61 | 1.64 | ..... | 2.85 | 2.45 | 6.75 | 3.18 | 10.93 | 1.67 | 2.22 | 1.46 | 4.40 | ..... |
| Ewing | 9.36 | 1.38 | 1.86 | 1.28 | 3.90 | 6.97 | 4.06 | 7.02 | 2.71 | 2.60 | 1.63 | 2.63 | 45 40 |
| Fairfield | 8.76 | 1.30 | 1.79 | 1.16 | 3.60 | 5.24 | 1.85 | 5.94 | 3.90 | 2.66 | 1.63 | 2.92 | 40.75 |
| Fairview | 7.40 | 0.36 | 2.44 | 2.48 | 6.93 | 4.29 | 0.46 | 3.52 | 4.57 | 2.95 | 2.42 | 0.78 | 38.60 |
| Flora | ..... | ..... | ..... | 1.28 | 4.26 | 2.48 | 1.13 | ..... | ..... | ..... | ..... | ..... | ..... |
| Freeport | 2.75 | 0.81 | 2.44 | 3.14 | 5.30 | 7.88 | 1.60 | 4.60 | 9.05 | 3.98 | 1.55 | 1.17 | 44.27 |
| Galva | 4.76 | 0.36 | 2.99 | 2.18 | 5.30 | 4.71 | 1.09 | 2.93 | 3.85 | 4.05 | 1.61 | 1.98 | 35.81 |
| Golconda | 10.45 | 2.20 | 2.34 | 3.21 | 4.33 | 5.18 | 0.10 | ..... | ..... | ..... | ..... | ..... | ..... |
| Grafton | 8.31 | 1.35 | 2.10 | 2.12 | 5.22 | 2.81 | 0.08 | 8.36 | 4.59 | 2.46 | 2.65 | 1.06 | 41.11 |
| Greenville | 9.01 | 1.70 | 2.05 | 1.42 | 3.25 | 4.13 | 2.04 | 8.31 | 2.34 | 1.32 | 2.18 | 2.26 | 40.01 |
| Griggsville | 6.11 | 0.71 | 1.56 | 1.41 | 7.13 | 5.52 | 1.83 | 7.78 | 1.42 | 0.92 | 2.09 | 1.46 | 37.94 |
| Havana | 9.74 | 0.75 | 2.61 | 1.57 | 7.65 | 2.02 | 0.25 | 6.50 | 1.63 | 1.82 | 1.44 | 1.60 | 37.58 |
| Henry | 5 80 | 0.56 | 2.82 | 1.07 | ..... | 6.53 | 2.29 | 0.68 | 2.90 | 4.04 | 1.37 | 1.60 | ..... |
| Hillsboro | 7.98 | 0.93 | 1.07 | 1.36 | 2.60 | 5.29 | 0.73 | 6.58 | 2.47 | 2.22 | 1.93 | 1.93 | 35.09 |
| Hoopeston | 6.55 | 0.50 | 1.86 | 1.51 | 5.97 | 5.29 | 2.43 | 2.50 | 1.83 | 3.33 | 2.08 | 2.88 | 36.73 |
| Joliet | 5.43 | 0.55 | 1.70 | 1.15 | 3.84 | 5.76 | 0.90 | 1.22 | 3.25 | 5.18 | 2.08 | 2.32 | 33.38 |
| Kankakee | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.72 | 2.48 | ..... |
| LaGrange | 5.17 | 0.71 | 2.29 | 1.09 | 3.38 | 8.12 | 0.88 | 1.28 | ..... | 4.04 | 2.30 | 2.33 | ..... |
| LaHarpe | 5.20 | 0.38 | 2.75 | 2.59 | 7.98 | 4.66 | 0.10 | 3.06 | 3.60 | 2.58 | 1.84 | 0.84 | 35.58 |
| LaSalle | 5.00 | 0.79 | 3.09 | 1.34 | 4.58 | 8.03 | 0.20 | 2.30 | 2.82 | ..... | 1.55 | ..... | ..... |
| Lincoln | 5.57 | 0.75 | 1.35 | 1.51 | 6.23 | 2.91 | 1.39 | 2.51 | 2.51 | 3.32 | 2.41 | 1.19 | 31.65 |
| Macomb | 7.22 | ..... | ..... | 2.35 | 7.37 | 3.04 | 0.92 | 5.79 | 4.55 | 2.74 | 1.92 | 0.94 | ..... |
| McLeansboro | 9.29 | 1.90 | 1.73 | 1.77 | 3.11 | 5.06 | 2.71 | 6.19 | 2.15 | 2.31 | 1.82 | 3.88 | 41.92 |
| Manteno | 5.02 | 0.33 | 2.93 | 1.29 | 4.51 | 5.63 | 0.11 | 4.35 | 1.92 | 4.21 | ..... | ..... | ..... |
| Martinton | 5.13 | 0.26 | 1.08 | 1.65 | 7.10 | 4.91 | 0.61 | 1.47 | 2.07 | ..... | ..... | ..... | ..... |
| Mascoutah | 10.46 | 1.33 | 1.46 | 1.36 | 4.05 | 4.34 | 1.32 | 11.45 | 1.54 | 2.50 | 2.55 | 2.98 | 45.34 |
| Minonk | ..... | 0.28 | 2.33 | 1.37 | 5.22 | 7.05 | 0.18 | 4.50 | 2.61 | 4.21 | 2.75 | 1.85 | ..... |
| Monmouth | 5.42 | 0.34 | 3.16 | 2.15 | 7.01 | 4.18 | 2.02 | 1.62 | 4.52 | 3.41 | 1.54 | 1.42 | 36.79 |
| Montrose | 8.05 | 1.29 | 1.67 | 1.25 | 2.73 | 6.57 | 0.62 | 2.32 | 1.74 | 2.99 | 1.73 | 2.84 | 33.80 |
| Morris | 5.07 | 0.36 | 2.22 | 1.14 | 3.29 | 6.49 | 0.02 | 1.52 | 1.61 | 4.12 | 2.29 | 2.06 | 30.19 |
| Morrison | 4.95 | 0.90 | 1.96 | 2.12 | 3.94 | 5.64 | 0.22 | 3.06 | 3.81 | 4.43 | 1.51 | 2.27 | 34.81 |
| Morrisonville | 7.42 | 1.15 | 1.26 | ..... | 3.38 | 7.86 | 1.24 | 2.45 | 2.36 | 2.05 | 1.95 | 1.48 | ..... |
| Mt. Carmel | 6.42 | 1.64 | 2.17 | 2.20 | 3.20 | 8.15 | 2.84 | 5.58 | 2.07 | 2.33 | 2.47 | 4.48 | 43.55 |
| Mt. Carroll | 3.40 | 0.49 | 1.84 | ..... | 4.43 | 6.11 | 0.93 | 1.40 | 5.82 | ..... | 1.49 | ..... | ..... |
| Mount Vernon | 8.25 | 1.36 | 1.55 | 1.11 | 4.35 | 4.02 | 2.05 | 7.91 | 2.65 | 2.37 | 1.64 | 3.33 | 40.59 |
| Nashville | 10.32 | 1.16 | 1.27 | 1.38 | 4.34 | 5.12 | 3.45 | 9.54 | 2.03 | 2.68 | 1.83 | 4.84 | 47.96 |
| New Burnside | 10.38 | 1.69 | 2.17 | 3.87 | 2.12 | 5.90 | 1.69 | 6.22 | 2.11 | 2.16 | 2.02 | 4.97 | 45.30 |
| Newton | 8.18 | 1.04 | 1.59 | 0.81 | 2.40 | 5.61 | 0.78 | 2.05 | 1.49 | 1.87 | 1.74 | 1.88 | 29.44 |
| Olney | 10.05 | 1.14 | 1.66 | 1.09 | 4.42 | 7.04 | 1.30 | 7.92 | 3.61 | 2.32 | 1.15 | 2.11 | 43.81 |
| Oregon | ..... | 0.56 | 2.51 | 1.81 | 2.99 | 5.90 | 0.70 | 2.79 | 5.06 | 4.71 | 1.68 | 2.40 | ..... |
| Ottawa | ..... | 0.59 | 1.92 | 0.86 | 3.90 | 7.37 | 0.08 | 1.05 | 1.54 | 4.75 | 2.48 | 1.34 | ..... |
| Palestine | 9.76 | 1.14 | 1.53 | 1.71 | 3.05 | 8.95 | 0.80 | 3.19 | 2.05 | 1.96 | 1.62 | 2.13 | 37.89 |
| Pana | 8.36 | 1.12 | 1.22 | 1.44 | 3.14 | 6.47 | 1.58 | 1.62 | 2.13 | 2.66 | 2.13 | 2.59 | 34.46 |
| Paris | 6.58 | 0.63 | 2.54 | 1.15 | 5.19 | 7.21 | 3.04 | 2.18 | 1.72 | 1.38 | 1.77 | 3.52 | 36.89 |
| Paw Paw | 4.63 | 0.42 | 4.39 | 1.52 | 3.26 | 7.20 | 0.26 | 2.63 | 3.56 | 4.60 | 1.94 | 1.67 | 36.08 |
| Peoria | 5.95 | 0.29 | 2.33 | 1.60 | 7.51 | 2.55 | 1.14 | 6.03 | 3.73 | 2.93 | 1.88 | 1.75 | 37.69 |
| Pontiac | 6.35 | 0.45 | 1.72 | 1.10 | 4.85 | 6.55 | 0.32 | 3.20 | 2.34 | 3.43 | 1.95 | 2.50 | 34.76 |
| Quincy | 6.56 | 0.50 | 1.04 | 1.79 | 8.92 | 4.82 | T. | 6.01 | 2.90 | 1.91 | 2.06 | 0.98 | 37.49 |
| Riley | 4.15 | 0.73 | 3.53 | 1.69 | 3.33 | 6.92 | 1.52 | 2.93 | 5.07 | 4.33 | 1.96 | 2.57 | 38.73 |
| Roberts | 4.98 | 0.75 | 1.37 | 0.92 | 8.80 | 3.94 | 1.45 | 2.52 | 2.50 | 2.33 | 2.08 | 2.36 | 33.98 |
| Rockford | 4.33 | 0.81 | 3.45 | 1.34 | 4.58 | 7.81 | 0.48 | 1.98 | 7.00 | 4.25 | 1.66 | 1.72 | 39.41 |
| Rushville | 5.48 | 0.63 | 1.80 | 1.31 | 7.59 | 2.46 | 0.51 | 4.36 | 1.75 | 1.63 | 1.39 | 1.08 | 29.99 |
| St. Elmo | 8.85 | 1.45 | 1.22 | 1.39 | 2.74 | 6.20 | 0.46 | 2.43 | 1.66 | 1.66 | ..... | ..... | ..... |
| Salem | 8.17 | 1.34 | 1.07 | 1.06 | 3.16 | 4.15 | 3.00 | 7.54 | 2.21 | 2.68 | 2.25 | 4.11 | 40.74 |
| Shawneetown | 11.23 | 1.61 | 2.31 | 3.10 | 2.86 | 5.92 | 2.74 | 6.29 | 2.07 | 2.32 | 1.81 | 4.56 | 46.82 |
| Sidell | 7.10 | 1.12 | 1.40 | 0.74 | 5.11 | 4.60 | 0.76 | 1.32 | 1.60 | 1.99 | 2.46 | 1.53 | 29.73 |
| Sparta | 11.89 | 1.76 | 1.47 | 1.73 | 3.29 | 7.03 | 0.66 | 7.79 | 2.30 | 3.13 | 2.18 | 3.73 | 46.96 |
| Springfield | 4.77 | 1.00 | 1.89 | 1.43 | 4.21 | 3.14 | 0.31 | 4.34 | 2.35 | 1.97 | 2.26 | 1.22 | 29.89 |
| Streator | 6.61 | 0.42 | 1.84 | 1.28 | 5.04 | 7.01 | 0.45 | 3.01 | 2.77 | 4.42 | 2.67 | 2.68 | 38.20 |
| Sycamore | 2.89 | 0.58 | 3.25 | 1.43 | 3.67 | 8.89 | 0.20 | 1.52 | 3.86 | 4.73 | 2.04 | 1.05 | 34.11 |
| Tiskilwa | 5.40 | 0.71 | 3.52 | 1.73 | 3.25 | 7.74 | 0.76 | 6.81 | 2.82 | 4.68 | 2.41 | 1.17 | 41.00 |
| Tuscola | 7.31 | 0.83 | 1.47 | 1.03 | 4.37 | 2.94 | 2.88 | 2.32 | 2.44 | 2.34 | 1.75 | 3.37 | 33.05 |
| Urbana | 6.02 | 0.63 | 1.14 | 1.28 | 5.70 | 3.88 | 0.47 | 1.72 | 2.69 | 2.26 | 1.93 | 1.99 | 29.71 |
| Walnut | 5.25 | 0.45 | 2.82 | 1.75 | 3.80 | 5.97 | 0.65 | 2.45 | 2.87 | 5.11 | 1.86 | 1.66 | 34.64 |
| Warsaw | 5.81 | 0.92 | 1.71 | 1.80 | 8.30 | 4.98 | 0.26 | 4.52 | 2.87 | 3.04 | 1.92 | 0.83 | 36.96 |
| Waterloo | 9.72 | 1.94 | 1.23 | 1.77 | 3.67 | 6.89 | 3.52 | 6.52 | 3.31 | 2.26 | 2.31 | 3.26 | 46.40 |
| White Hall | 4.86 | 1.38 | 1.59 | 1.79 | 4.91 | 4.37 | 0.32 | 8.78 | 3.66 | 2.09 | 1.96 | 1.06 | 36.77 |
| Windsor | 9.13 | 1.02 | 1.33 | 2.23 | 2.97 | 4.76 | 1.52 | 2.21 | 5.38 | ..... | 1.63 | 4.44 | ..... |
| *Indiana.* | | | | | | | | | | | | | |
| Anderson | 6.88 | 0.84 | 2.40 | 1.32 | 4.74 | 5.05 | 1.24 | 5.79 | 1.46 | 1.32 | 1.88 | 3.14 | 36.06 |
| Auburn | 4.96 | 0.23 | 2.76 | 1.56 | 3.97 | 4.78 | 0.79 | 1.46 | 2.41 | 2.32 | 1.85 | 2.16 | 29.25 |
| Berne | 5.46 | 0.68 | 4.31 | 2.53 | 4.91 | 6.11 | 1.10 | 3.48 | 3.40 | 1.50 | 1.50 | 3.63 | 38.61 |
| Bloomington | 10.72 | 1.59 | 2.47 | 3.30 | 3.43 | 5.36 | 2.09 | 2.75 | 2.79 | 3.15 | 2.19 | 3.47 | 43.31 |
| Bluffton | 6.26 | 1.81 | 4.33 | 2.90 | 6.44 | 5.36 | 1.82 | 2.76 | 2.71 | 1.64 | 2.31 | 2.29 | 40.63 |
| Butlerville | 9.06 | 2.18 | 3.76 | 4.49 | 4.70 | 7.59 | 2.61 | 2.78 | 3.14 | 2.21 | 1.85 | 4.07 | 48.44 |
| Cambridge City | 7.73 | 0.87 | 3.00 | 4.36 | 3.21 | 6.26 | 1.26 | 5.29 | 2.52 | 1.46 | 1.91 | 3.39 | 41.26 |
| Collegeville | 1.94 | T. | 0.80 | 1.65 | 8.35 | 7.25 | 0.51 | 1.79 | 3.97 | 3.36 | 2.07 | 2.67 | 34.36 |
| Columbus | 8.05 | 1.94 | 2.46 | 4.09 | 3.13 | 5.19 | 2.39 | 3.38 | 3.29 | 3.84 | 0.99 | 3.26 | 42.02 |
| Connersville | 7.34 | 1.02 | 2.64 | 2.49 | 4.13 | 4.21 | 0.96 | 4.89 | 2.67 | 1.27 | 1.73 | 3.11 | 36.48 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Indiana*—Continued. | | | | | | | | | | | | | |
| Crawfordsville | 7.13 | 0.90 | 1.78 | ..... | ..... | ..... | ..... | ..... | 1.40 | 1.60 | 2.60 | 3.62 | ..... |
| Crown Point | ..... | ..... | ..... | 1.29 | 3.42 | 6.81 | 0.73 | 3.16 | 6.98 | 3.32 | 1.90 | 2.82 | ..... |
| Dam No. 39 | ..... | ..... | 3.57 | 2.67 | 2.20 | 4.92 | 4.05 | 3.39 | 2.12 | 1.98 | 1.94 | 3.77 | ..... |
| Decker | 9.43 | 1.37 | 3.35 | 2.78 | 2.60 | 8.44 | 1.84 | 3.13 | 1.21 | 2.25 | ..... | 3.37 | ..... |
| Delphi | 7.09 | 0.47 | 1.24 | 1.97 | 5.67 | 5.96 | 3.16 | 3.82 | 2.81 | ..... | ..... | ..... | ..... |
| Elliston | 11.90 | 2.02 | 2.60 | 1.40 | 4.34 | 6.55 | 4.77 | 2.00 | 2.68 | 1.52 | 1.03 | 2.87 | 43.68 |
| Evansville | 8.73 | 1.64 | 2.56 | 1.99 | 3.72 | 4.58 | 5.46 | 4.31 | 2.57 | 2.05 | 1.11 | 4.66 | 43.38 |
| Farmersburg | 8.01 | 0.85 | 1.28 | 1.36 | 3.08 | 6.34 | 3.58 | 3.00 | 1.06 | 1.65 | 1.56 | 1.17 | 32.94 |
| Farmland | 5.88 | 1.23 | 2.97 | 1.57 | 4.30 | 4.87 | 0.90 | 4.37 | 1.93 | 1.16 | 1.50 | 3.62 | 34.30 |
| Forest Reserve | 10.41 | 3.02 | 3.00 | 3.88 | 3.56 | 5.69 | 3.56 | 5.34 | 3.27 | 2.60 | 0.99 | 3.36 | 48.68 |
| Fort Wayne | 6.48 | 0.45 | 2.06 | 2.89 | 3.70 | 5.78 | 3.59 | 2.10 | 1.96 | 1.66 | 1.98 | 2.81 | 35.46 |
| Frankfort | 6.98 | 2.27 | 1.27 | 1.51 | 4.06 | 7.11 | 1.92 | 1.51 | 1.37 | 1.03 | 2.13 | 3.37 | 34.53 |
| Goshen | 5.42 | 0.31 | 3.12 | 1.59 | 6.75 | 5.17 | 0.79 | 3.38 | 6.32 | 2.59 | 1.73 | 2.24 | 39.41 |
| Greencastle | ..... | 1.33 | 1.53 | 1.11 | 3.63 | 9.34 | 1.20 | ..... | ..... | 0.72 | 2.09 | 1.59 | ..... |
| Greenfield | 3.91 | 0.95 | 2.18 | 2.00 | 4.58 | 6.87 | 2.54 | 4.73 | 2.34 | 0.69 | 1.75 | 3.48 | 36.02 |
| Greensburg | 5.96 | 1.32 | 4.20 | 3.09 | ..... | 6.37 | 4.81 | 2.77 | 5.40 | 3.41 | 1.90 | 2.76 | ..... |
| Hammond | 4.14 | 1.12 | 2.02 | 1.25 | 4.49 | 6.61 | 0.33 | 1.17 | 2.93 | 2.93 | 2.43 | 2.20 | 31.62 |
| Hickory Hill | 8.41 | 1.25 | 1.84 | 3.17 | 3.13 | 5.67 | 2.68 | 4.71 | 2.33 | 2.06 | 1.61 | 2.87 | 39.73 |
| Howe | 5.57 | 1.02 | 3.70 | 1.47 | 6.42 | 4.98 | 1.88 | 2.06 | 4.03 | 2.51 | 2.25 | 2.88 | 38.77 |
| Huntingburg | 11.01 | 2.27 | 4.28 | 3.71 | 4.32 | 4.87 | 1.97 | 5.71 | 2.70 | 2.47 | 1.58 | 5.87 | 50.76 |
| Huntington | 6.47 | 0.53 | 2.56 | 2.70 | 4.40 | 6.30 | 1.18 | 2.60 | 2.32 | 2.13 | 2.68 | 2.24 | 36.11 |
| Indianapolis | 6.55 | 1.16 | 2.44 | 1.81 | 3.54 | 5.92 | 2.44 | 2.47 | 2.26 | 1.47 | 1.73 | 2.50 | 34.29 |
| Jeffersonville | 8.48 | 3.59 | 3.27 | 3.53 | 3.96 | 6.47 | 8.70 | 3.01 | 3.84 | 2.16 | 1.35 | 4.49 | 52.85 |
| Judyville | 6.93 | 0.54 | 1.46 | 1.52 | 6.89 | 4.30 | 0.98 | 1.82 | 2.29 | 2.29 | 2.69 | 3.09 | 34.80 |
| Knox | 3.53 | 0.46 | 2.88 | 1.89 | 6.74 | 7.70 | 2.11 | 2.38 | 5.27 | 2.90 | 2.25 | 3.47 | 41.58 |
| Kokomo | 9.95 | 1.40 | 3.28 | 0.69 | 3.90 | 6.56 | 3.72 | 1.98 | 2.20 | 1.80 | 4.35 | 2.66 | 42.49 |
| Lafayette | 6.40 | 1.16 | 1.08 | 1.57 | 5.82 | 5.21 | 3.62 | 1.81 | 2.22 | 2.25 | 2.25 | 4.79 | 38.18 |
| Laporte | 3.62 | 0.66 | 2.50 | 1.48 | 5.31 | 8.80 | 0.67 | 1.05 | 6.59 | 3.75 | 1.80 | 3.88 | 40.11 |
| Logansport | 6.59 | 0.43 | 1.54 | 2.52 | 6.64 | 4.47 | 0.85 | 2.32 | 3.20 | 2.00 | 2.20 | 3.40 | 36.16 |
| Madison | 8.90 | 3.08 | 3.71 | 3.84 | 4.37 | 5.45 | 1.38 | 3.46 | 5.39 | 2.19 | 1.92 | 4.47 | 48.16 |
| Marengo | ..... | ..... | ..... | 3.45 | 5.25 | 5.90 | 4.40 | 3.25 | 3.20 | 1.70 | 1.35 | 4.05 | ..... |
| Marion | 6.83 | 1.04 | 2.58 | 2.13 | 3.53 | 5.94 | 2.77 | 1.53 | 2.68 | 1.59 | 2.07 | 2.81 | 35.50 |
| Mauzy | 8.08 | 1.34 | 2.87 | 4.58 | 3.76 | 5.06 | 3.11 | 3.52 | 2.72 | 1.43 | 1.83 | 3.30 | 41.60 |
| Monticello | 6.04 | 1.84 | 0.75 | 2.67 | 6.94 | 6.91 | 2.78 | 5.71 | 3.06 | 1.77 | 2.17 | 4.25 | 44.89 |
| Moores Hill | 7.09 | 1.26 | 2.20 | 2.99 | 4.12 | 4.88 | 0.92 | 2.82 | 2.78 | 2.10 | 1.41 | 2.30 | 34.87 |
| Mount Vernon | 10.27 | 2.00 | 2.35 | 2.68 | 2.63 | 2.83 | 2.48 | 5.19 | 1.05 | 2.02 | 1.47 | 3.83 | 38.80 |
| Muncie | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.10 | 0.75 | 1.67 | 3.73 | ..... |
| Nashville | 8.23 | 1.67 | 2.35 | 3.36 | 4.23 | 6.16 | 4.61 | ..... | ..... | ..... | ..... | ..... | ..... |
| Noblesville | 5.12 | 0.74 | 1.74 | 1.01 | 4.41 | 5.79 | 0.28 | 1.59 | 1.18 | 1.62 | 1.93 | 2.53 | 27.94 |
| Notre Dame | 4.24 | 0.51 | 1.99 | 1.05 | 4.28 | 5.09 | 0.80 | 0.84 | 5.37 | 2.50 | 1.69 | 2.06 | 30.42 |
| Paoli | 8.68 | 2.20 | 2.45 | 3.93 | 3.76 | 7.29 | 3.29 | 4.44 | 1.57 | 1.86 | 1.20 | 3.84 | 44.51 |
| Plymouth | 4.05 | 0.63 | 2.96 | 1.86 | 8.11 | 9.49 | 0.99 | 2.73 | 5.22 | 3.27 | 1.98 | 2.72 | 44.01 |
| Princeton | 8.82 | 2.55 | 3.55 | 3.06 | 3.26 | 9.06 | 2.33 | 3.16 | 0.97 | 3.00 | 2.19 | 4.86 | 46.81 |
| Richmond | 8.08 | 0.64 | 2.85 | 3.46 | 3.58 | 6.28 | 0.97 | 5.03 | 2.21 | 1.64 | 1.48 | 2.75 | 38.97 |
| Rochester | 5.36 | 0.42 | 1.65 | 1.99 | 5.20 | 6.44 | 1.73 | 2.38 | 4.25 | 2.96 | 1.78 | ..... | ..... |
| Rockville | 7.50 | 1.18 | 2.51 | 1.93 | 5.14 | 6.36 | 1.05 | 2.18 | 2.00 | 1.80 | 2.13 | 3.41 | 37.19 |
| Rome | 9.94 | 1.93 | 2.94 | 4.54 | 3.59 | 5.18 | 6.60 | 1.42 | 3.02 | 2.19 | 1.39 | 4.87 | 47.61 |
| Salamonia | 8.59 | 1.75 | 4.29 | 3.63 | 3.69 | 4.48 | 2.13 | 0.93 | 3.21 | 1.17 | 1.04 | 3.84 | 38.75 |
| Salem | 7.98 | 2.21 | 3.11 | 4.05 | 4.07 | 7.82 | 6.21 | 6.61 | 2.35 | 1.57 | 1.61 | 3.97 | 51.56 |
| Scottsburg | 7.86 | 2.36 | 3.75 | 3.65 | 3.83 | 7.77 | 3.87 | 3.76 | 3.82 | 2.28 | 1.11 | 3.45 | 47.51 |
| Seymour | 8.26 | 1.95 | 2.78 | 3.76 | 3.18 | 8.01 | 5.72 | 3.62 | 3.04 | 2.21 | 1.36 | 4.44 | 48.33 |
| Shelbyville | 12.00 | 0.87 | 3.04 | 5.10 | 5.40 | 5.73 | 3.05 | 3.68 | 4.29 | 2.72 | 1.70 | 3.79 | 51.37 |
| Shoals | 9.17 | 1.65 | 3.78 | 2.26 | 2.68 | 12.53 | 4.30 | 6.33 | 1.78 | 2.25 | 1.65 | 3.82 | 52.20 |
| South Bend | 4.53 | 0.54 | 2.06 | 1.31 | 4.93 | 5.28 | 1.73 | 0.82 | 5.40 | 2.69 | 2.23 | 2.34 | 33.86 |
| Terre Haute | 7.58 | 1.15 | 1.50 | 1.39 | 3.29 | 5.32 | 1.54 | 3.27 | 1.24 | 1.53 | 1.71 | 2.39 | 31.91 |
| Valparaiso | 4.86 | 0.48 | 3.16 | 1.83 | 3.71 | 7.06 | 0.19 | 2.96 | 4.74 | 3.12 | 1.91 | 3.65 | 37.67 |
| Veedersburg | 7.28 | 1.18 | 2.05 | 2.37 | 6.08 | 4.38 | 3.08 | 2.40 | 1.67 | 1.60 | 2.06 | 3.18 | 37.33 |
| Vevay | 8.40 | 3.70 | 3.30 | 2.65 | 4.67 | 5.37 | 3.18 | 3.23 | 3.40 | 1.80 | 1.52 | 3.40 | 44.62 |
| Vincennes | 10.60 | 1.83 | 2.58 | 2.08 | 4.60 | 10.75 | 2.45 | 5.00 | 4.03 | 2.27 | 2.43 | 3.52 | 52.14 |
| Washington | 10.15 | 1.53 | 3.42 | 2.06 | 3.80 | 11.85 | 0.51 | 3.70 | 2.65 | 2.19 | 1.81 | 3.00 | 46.67 |
| Wheatfield | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.05 | 1.99 | 2.94 | ..... |
| Whitestown | 7.54 | 1.08 | 2.40 | 1.31 | 4.90 | 6.91 | 3.34 | 2.65 | 2.08 | 1.47 | 1.59 | 2.18 | 37.45 |
| Whiting | 5.01 | 1.01 | 2.61 | 1.08 | 4.41 | 7.94 | 0.56 | 1.04 | 1.83 | 3.40 | 1.72 | 3.33 | 33.94 |
| Winona Lake | 5.93 | 0.32 | 2.89 | 3.52 | 6.26 | 7.21 | 2.04 | 2.75 | 3.48 | 2.44 | 1.90 | 3.72 | 42.46 |
| Worthington | 9.04 | 1.57 | 2.14 | 1.45 | 3.67 | 5.85 | 2.19 | 3.91 | 2.14 | 2.18 | 2.19 | 2.25 | 38.58 |
| *Iowa.* | | | | | | | | | | | | | |
| Afton | 1.85 | 0.37 | 0.55 | 2.84 | 4.90 | 3.49 | 1.04 | 2.06 | 2.63 | 2.10 | 2.05 | 0.95 | 24.83 |
| Albia | 3.35 | 0.34 | 2.98 | 1.82 | 5.32 | 3.53 | 0.41 | 2.27 | 2.88 | 1.61 | 2.03 | 0.35 | 26.89 |
| Algona | 2.29 | 0.27 | 1.40 | 2.37 | 3.91 | 4.77 | 1.09 | 2.73 | 4.35 | 2.28 | 2.23 | 1.25 | 28.94 |
| Allerton | 2.96 | 0.71 | 2.70 | 3.18 | 7.90 | 3.02 | 2.20 | 2.40 | 1.85 | 1.52 | 2.29 | 1.11 | 31.84 |
| Allison | 3.00 | 1.20 | 1.68 | 2.73 | 3.69 | 3.60 | 1.55 | 2.94 | 5.26 | 1.67 | 0.46 | 0.92 | 28.70 |
| Alta | 2.35 | 0.66 | 1.10 | 2.89 | 4.94 | 2.49 | 1.30 | 1.56 | 3.66 | 1.67 | 2.27 | 0.93 | 25.82 |
| Alta (near) | 1.65 | 0.50 | 0.67 | 2.47 | 3.64 | 2.09 | 0.90 | 1.71 | 3.13 | 2.64 | 1.90 | 0.91 | 22.21 |
| Alton | 1.42 | 0.40 | 0.78 | 2.41 | 6.97 | 2.81 | 3.18 | 1.60 | 3.02 | 1.55 | 0.33 | 1.00 | 25.47 |
| Ames | 1.25 | 0.61 | 0.35 | 2.77 | 4.02 | 2.85 | 0.80 | 3.73 | 3.59 | 1.81 | 1.12 | 0.94 | 23.84 |
| Atlantic | 2.54 | 0.53 | 0.47 | 2.22 | 3.20 | 2.51 | 2.65 | 1.81 | 5.31 | 1.43 | 1.61 | 0.96 | 25.24 |
| Audubon | 1.52 | 0.47 | 0.46 | 1.87 | 3.61 | 2.56 | 0.43 | 3.96 | 4.67 | 1.71 | 1.51 | 1.22 | 23.99 |
| Baxter | 3.38 | 0.73 | 0.65 | 2.64 | 5.46 | 2.50 | 4.45 | 2.96 | 3.29 | 2.36 | 1.46 | 0.87 | 30.72 |
| Bedford | 2.31 | 0.35 | 0.96 | 2.74 | 7.67 | 3.25 | 2.08 | 4.20 | 3.66 | 1.79 | 3.10 | 1.32 | 33.43 |
| Belle Plaine | 2.87 | 0.93 | 2.70 | 3.39 | 4.02 | 3.31 | 0.92 | 1.85 | 2.01 | 2.62 | 1.41 | 1.04 | 27.07 |
| Belmond | 2.87 | 0.61 | 1.73 | 4.50 | 4.72 | 5.18 | 2.89 | 3.02 | 6.55 | 2.00 | 2.28 | 1.02 | 37.37 |
| Bloomfield | 4.08 | 0.57 | 5.52 | 2.82 | 6.85 | 4.29 | 2.41 | 5.49 | 1.90 | 2.43 | 1.89 | 1.44 | 39.69 |
| Bonaparte | 5.16 | 0.21 | 4.10 | 2.24 | 9.39 | 5.37 | 2.62 | 2.49 | 4.34 | 2.64 | 1.75 | 0.94 | 41.25 |
| Boone | 3.18 | 0.58 | 0.45 | 2.20 | 6.40 | 2.08 | 0.82 | 2.56 | 7.05 | 1.85 | 1.21 | 0.88 | 29.26 |
| Britt | 2.11 | 0.20 | 1.15 | 2.52 | 4.72 | 4.28 | 2.76 | 1.65 | 3.51 | 1.44 | 1.85 | 0.66 | 26.85 |
| Burlington | 4.48 | 0.45 | 2.63 | 1.69 | 10.44 | 4.13 | 0.25 | 3.42 | 4.18 | 3.58 | 1.63 | 1.99 | 38.87 |
| Carroll | 1.94 | 0.54 | 0.47 | 1.48 | 3.44 | 2.18 | 1.78 | 4.52 | 5.77 | 1.71 | 1.43 | 0.91 | 26.17 |
| Cedar Rapids | 1.75 | 0.53 | 0.94 | 1.38 | 5.16 | 2.92 | 6.87 | 2.59 | 2.13 | 2.69 | 1.64 | 0.94 | 29.54 |
| Centerville | 2.56 | 0.35 | 3.59 | 2.65 | 7.50 | 3.37 | 0.87 | 3.28 | 1.70 | 1.89 | 1.92 | 0.64 | 30.32 |
| Chariton | 2.33 | 0.68 | 1.42 | 2.86 | 5.46 | 2.74 | 1.66 | 2.83 | 2.02 | 1.99 | 2.79 | 0.67 | 27.45 |
| Charles City | 2.63 | 0.50 | 1.49 | 3.69 | 3.97 | 4.65 | 1.51 | 1.01 | 6.19 | 2.08 | 1.41 | 1.11 | 30.24 |
| Clarinda | 2.33 | 0.23 | 0.25 | 1.93 | 5.46 | 5.14 | 1.23 | 3.90 | 9.71 | 1.79 | 2.43 | 0.95 | 35.35 |
| Clinton | 4.82 | 0.71 | 2.34 | 2.45 | 5.92 | 4.98 | 1.08 | 2.59 | 3.48 | 4.33 | 1.53 | 1.82 | 36.05 |
| Columbus Jct. | ..... | 0.51 | 3.73 | 2.11 | 4.84 | 6.27 | 3.09 | 4.36 | 5.05 | 3.50 | 1.50 | 0.93 | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Iowa*—Continued. | | | | | | | | | | | | | |
| Corning | 2.57 | 0.34 | 0.42 | 2.83 | 5.52 | 3.53 | 5.05 | 2.37 | 6.30 | 1.70 | 2.38 | 1.13 | 34.14 |
| Corydon | 3.52 | 0.51 | 2.57 | 3.24 | 8.71 | 3.12 | 1.63 | 2.01 | 3.59 | 1.71 | 2.28 | 0.71 | 33.60 |
| Creston | 2.62 | 0.35 | 0.45 | 2.35 | 5.24 | 3.76 | 0.52 | 1.65 | 3.07 | 2.05 | 2.21 | 0.90 | 25.17 |
| Cumberland | 1.27 | 0.60 | ..... | 2.04 | 3.18 | 2.58 | 1.41 | 1.71 | 2.47 | 0.97 | 2.23 | 0.95 | ..... |
| Davenport | 4.63 | 0.37 | 2.47 | 2.45 | 3.52 | 3.19 | 0.46 | 1.25 | 2.82 | 3.52 | 1.45 | 1.44 | 27.57 |
| Decorah | 2.72 | 0.62 | 1.55 | 2.88 | 4.15 | 7.01 | 3.71 | 2.15 | 6.88 | 2.99 | 1.42 | 0.95 | 37.03 |
| Delaware | 2.39 | 0.68 | 1.96 | 1.89 | 3.42 | 5.70 | 0.77 | 0.49 | 3.45 | 2.80 | 1.15 | 1.03 | 25.73 |
| Denison | 1.60 | 0.57 | 0.54 | 1.29 | 2.14 | 2.70 | 4.38 | 4.71 | 3.89 | 1.49 | 1.71 | 1.28 | 26.30 |
| Des Moines | 2.66 | 0.61 | 0.60 | 2.44 | 3.87 | 2.24 | 1.50 | 2.62 | 1.72 | 2.11 | 1.46 | 0.65 | 22.48 |
| Dubuque | 2.46 | 0.76 | 3.91 | 2.69 | 2.49 | 4.61 | 0.85 | 1.49 | 6.19 | 3.32 | 1.17 | 0.95 | 30.89 |
| Earlham | 2.70 | 0.36 | 0.25 | 2.14 | 3.96 | 2.27 | 0.88 | 2.47 | 2.69 | 1.98 | 1.63 | 1.19 | 22.52 |
| Elkader | 1.83 | 0.40 | 2.76 | 2.43 | 3.90 | 5.00 | 1.11 | 2.02 | 3.29 | 3.43 | 1.21 | 0.98 | 28.36 |
| Estherville | 1.55 | 0.47 | 1.85 | 3.07 | 4.65 | 2.91 | 1.74 | 3.58 | 3.94 | 1.10 | 4.90 | 1.20 | 27.96 |
| Fairfield | 3.40 | 0.49 | 4.28 | 1.93 | 5.57 | 4.88 | 0.71 | 3.76 | 5.78 | 3.89 | 1.60 | 1.59 | 37.88 |
| Fayette | 2.37 | 0.60 | 2.70 | 1.97 | 3.33 | 4.23 | 0.85 | 2.29 | 5.23 | 4.09 | 0.94 | 1.17 | 29.77 |
| Forest City | 1.40 | 0.65 | 1.50 | 3.56 | 4.89 | 4.25 | 2.35 | 1.41 | 2.75 | 1.49 | 1.97 | 0.25 | 26.77 |
| Fort Dodge | 1.75 | 0.65 | 0.85 | 2.09 | 4.41 | 3.53 | 1.77 | 1.38 | 6.47 | 1.83 | 1.93 | 1.17 | 27.83 |
| Fort Madison | 3.85 | ..... | ..... | ..... | 11.16 | 4.51 | 0.74 | 4.25 | 4.87 | 2.90 | 1.95 | 2.00 | ..... |
| Gilman | ..... | ..... | ..... | 3.50 | 4.78 | 1.41 | 1.57 | 2.40 | 2.10 | ..... | ..... | 0.70 | ..... |
| Greenfield | 2.30 | 0.58 | 0.39 | 2.68 | 5.00 | 2.63 | 0.91 | 0.60 | 2.94 | 2.08 | 1.76 | 1.30 | 23.17 |
| Grinnell | 2.77 | 0.94 | 1.49 | 3.67 | 4.72 | 2.69 | 1.05 | 2.50 | 4.09 | 2.37 | 1.69 | 1.12 | 29.10 |
| Grundy Center | 2.24 | 0.20 | 0.67 | 2.92 | 3.28 | 2.61 | 3.22 | 2.57 | 3.40 | 2.28 | 1.25 | 1.45 | 26.09 |
| Guthrie Center | 1.39 | 0.70 | 0.44 | 2.72 | 3.63 | 2.31 | 1.30 | 4.20 | 5.23 | 1.94 | 1.52 | 1.06 | 26.44 |
| Harlan | 2.26 | 0.45 | 0.36 | 3.21 | 4.18 | 2.35 | 1.12 | 5.19 | 3.32 | 1.16 | 1.21 | 1.30 | 26.11 |
| Humboldt | 2.77 | 0.56 | 0.96 | 3.52 | 3.93 | 3.55 | 0.63 | 2.41 | 5.46 | 1.26 | 1.37 | 0.91 | 26.34 |
| Independence | 2.07 | 0.61 | 1.41 | 2.80 | 2.70 | 5.01 | 1.91 | 0.65 | 2.79 | 2.06 | 0.86 | 0.65 | 23.52 |
| Indianola | 1.98 | 0.57 | 0.27 | 2.28 | 5.52 | 2.95 | 1.28 | 1.51 | 2.00 | 1.96 | 1.63 | 0.59 | 22.54 |
| Inwood | 1.73 | 0.41 | 0.97 | 2.58 | 4.04 | 3.68 | 2.22 | 2.44 | 2.47 | 1.18 | 0.28 | 0.55 | 22.55 |
| Iowa City | 3.18 | 0.59 | 5.06 | 1.83 | 5.99 | 3.92 | 1.57 | 2.83 | 3.49 | 3.19 | 1.42 | 1.15 | 34.22 |
| Iowa Falls | 3.06 | 0.82 | 0.92 | 2.79 | 3.79 | 3.05 | 2.63 | 1.28 | 4.76 | 2.35 | 0.93 | 0.83 | 27.21 |
| Jefferson | 2.87 | 0.79 | 0.92 | 2.36 | 4.00 | 2.18 | 2.13 | 3.02 | 5.60 | 2.14 | 1.31 | 1.21 | 28.53 |
| Keokuk | 5.18 | 0.59 | 1.37 | 2.44 | 6.63 | 3.74 | 0.10 | 4.71 | 3.41 | 2.75 | 1.75 | 0.73 | 33.40 |
| Keosauqua | 5.33 | 0.44 | 4.12 | 1.46 | 8.89 | 5.39 | 2.86 | 2.21 | 2.79 | 2.36 | 1.45 | 1.16 | 38.46 |
| Knoxville | 3.34 | 0.66 | ..... | ..... | ..... | 3.53 | 0.45 | 2.14 | ..... | 2.20 | 2.17 | 0.97 | ..... |
| Lacona | 2.92 | 1.09 | 1.98 | 3.07 | 4.95 | 3.07 | 1.50 | 2.00 | 2.47 | 2.15 | 2.32 | 1.16 | 28.68 |
| Lake Park | 0.85 | 0.40 | 1.65 | 2.03 | 5.75 | 4.37 | 1.63 | 1.68 | 3.50 | 0.20 | 0.75 | 0.60 | 23.41 |
| Lamoni | 2.86 | 0.14 | 1.09 | 3.00 | 8.65 | 6.07 | 2.69 | 4.61 | 2.11 | 1.84 | 2.59 | 0.68 | 36.33 |
| Le Claire | 5.13 | 0.91 | 2.05 | 1.50 | 4.76 | 3.91 | 0.36 | 2.20 | 4.95 | 4.16 | 1.67 | 1.73 | 33.33 |
| Le Mars | 1.40 | 0.13 | 0.78 | 1.67 | 5.48 | 3.52 | 4.01 | 1.11 | 3.44 | 1.42 | 0.78 | 0.88 | 24.62 |
| Lenox | 0.88 | 0.28 | 0.46 | 2.66 | 4.92 | 3.63 | 2.03 | 2.52 | 4.50 | 1.70 | 2.07 | 0.58 | 26.23 |
| Leon | 3.96 | 0.48 | 1.29 | 3.69 | 5.72 | 2.56 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Little Sioux | 1.63 | 0.30 | 1.06 | 1.36 | 2.30 | 2.85 | 2.07 | 5.15 | 2.19 | 1.52 | 1.96 | 1.25 | 23.64 |
| Logan | 2.42 | 0.36 | ..... | 1.57 | 2.88 | 2.51 | 1.25 | 6.09 | 1.11 | 1.50 | 0.96 | 1.01 | ..... |
| Maquoketa | 4.22 | 0.52 | 2.91 | 2.15 | 3.36 | 4.96 | 1.46 | 1.95 | 4.62 | 3.80 | 1.51 | 0.81 | 32.27 |
| Marshalltown | 3.46 | 1.36 | 1.36 | 2.35 | 4.17 | 2.14 | 1.98 | 2.40 | 3.82 | 2.49 | 1.04 | 0.74 | 27.31 |
| Mason City | 1.44 | 0.42 | 0.47 | 3.49 | 3.76 | 5.48 | 2.15 | 1.77 | 3.91 | 1.36 | 1.90 | 0.90 | 27.05 |
| Matlock | ..... | ..... | ..... | ..... | 4.56 | 3.10 | ..... | 1.52 | 3.63 | 1.15 | 0.05 | 0.80 | ..... |
| Monroe | 2.68 | 0.30 | 0.38 | 3.10 | 5.76 | 2.93 | 1.24 | 3.75 | 1.45 | 2.24 | 2.83 | ..... | ..... |
| Mt. Ayr | 2.17 | 0.42 | 0.82 | 2.55 | 7.22 | 4.55 | 1.67 | 4.00 | 2.85 | 1.74 | 2.57 | 0.85 | 31.41 |
| Mt. Pleasant | 6.07 | 0.65 | 4.28 | 3.38 | 7.76 | 5.86 | 3.46 | 2.02 | 4.75 | 3.29 | 1.81 | 1.89 | 45.22 |
| Murray | 2.21 | 0.43 | 0.56 | 3.52 | 5.40 | 3.50 | 0.44 | 2.43 | 2.08 | 1.85 | 1.98 | 0.64 | 25.04 |
| Muscatine | 5.29 | 0.63 | 2.67 | 1.25 | 4.72 | 4.16 | 1.43 | 2.83 | 4.35 | 2.91 | 1.36 | 1.69 | 33.29 |
| New Hampton | 2.25 | 0.65 | 1.27 | 3.18 | 4.26 | 5.64 | 2.66 | 2.62 | 6.67 | 2.61 | 1.21 | 1.27 | 34.29 |
| Nora Springs | 4.29 | 1.38 | 1.88 | 5.92 | 5.93 | 7.50 | 3.50 | 1.49 | 6.88 | 3.00 | 3.14 | 1.43 | 46.34 |
| Northboro | 2.25 | 0.12 | 0.23 | 2.66 | 7.29 | 3.88 | 0.40 | 4.38 | 5.23 | 1.90 | 2.16 | 1.29 | 31.79 |
| Northwood | 2.70 | 1.10 | 2.35 | 4.25 | 4.33 | 3.70 | 3.08 | 2.56 | 4.32 | 1.23 | 3.13 | 1.38 | 34.13 |
| Olin | 3.55 | 0.40 | 3.23 | 2.02 | 3.48 | 4.00 | 1.50 | 3.10 | 2.47 | 3.05 | 1.50 | 1.27 | 29.57 |
| Onawa | 1.68 | 0.50 | 1.16 | 1.42 | 4.24 | 3.32 | 2.06 | 3.77 | 3.55 | 1.84 | 3.65 | 1.18 | 28.37 |
| Osage | 2.28 | 0.05 | 0.29 | 4.10 | 4.21 | 3.46 | 2.96 | 1.27 | ..... | ..... | ..... | ..... | ..... |
| Oskaloosa | 4.84 | 0.41 | 2.76 | 3.07 | 4.37 | 3.22 | 1.20 | 3.47 | 5.12 | 3.41 | 2.04 | 0.65 | 34.56 |
| Ottumwa | 3.66 | 0.45 | 4.04 | 2.58 | 4.86 | 4.04 | 2.34 | 3.25 | 2.62 | 1.95 | 1.20 | 1.26 | 32.25 |
| Pella | 2.27 | 0.37 | 1.51 | 2.35 | 4.57 | 4.21 | 1.76 | 2.27 | 3.27 | 2.02 | 2.36 | 0.63 | 27.59 |
| Perry | 3.23 | 0.52 | 0.38 | 2.40 | 5.15 | 2.48 | 1.05 | 3.46 | 4.46 | 1.67 | 1.31 | 0.89 | 27.00 |
| Pocahontas | 0.95 | 0.96 | 1.22 | 2.31 | 4.38 | 2.65 | 1.23 | 2.62 | 3.99 | 2.18 | 1.92 | 1.08 | 25.49 |
| Postville | 2.48 | 0.82 | 1.24 | 2.73 | 3.76 | 7.96 | 2.15 | 2.04 | 4.50 | 2.97 | 1.31 | 0.94 | 32.90 |
| Rock Rapids | 1.85 | 0.52 | 1.22 | 3.70 | 4.49 | 3.39 | 2.19 | 1.24 | 1.56 | 0.30 | 0.07 | ..... | ..... |
| Rockwell City | 2.55 | 1.31 | 1.43 | 3.05 | 4.79 | 2.77 | 1.98 | 3.28 | 4.18 | 1.76 | 1.69 | 0.73 | 29.52 |
| Sac City | 1.30 | 0.60 | 1.40 | 1.56 | 2.54 | 2.45 | 0.48 | 2.92 | 3.05 | ..... | 2.10 | 1.26 | ..... |
| St. Charles | 2.62 | 0.37 | 0.60 | 3.33 | 5.15 | 2.48 | 0.96 | 1.42 | 2.20 | 2.25 | 1.58 | 0.66 | 23.62 |
| Sanborn | 1.30 | 0.19 | 0.89 | 2.57 | 5.53 | 4.12 | 2.14 | 2.51 | 3.85 | 1.45 | 0.74 | 1.28 | 26.57 |
| Sibley | 1.37 | ..... | 1.05 | ..... | ..... | ..... | ..... | 1.95 | 3.04 | 1.20 | 0.35 | 0.85 | ..... |
| Sigourney | 2.63 | 0.60 | 3.17 | 2.79 | 5.18 | 5.19 | 2.54 | 2.97 | 4.64 | ..... | 1.89 | 1.24 | ..... |
| Sioux Center | 1.72 | 1.00 | 0.92 | 2.63 | 7.66 | 2.44 | 1.80 | ..... | 3.49 | 1.46 | 0.88 | 0.75 | ..... |
| Sioux City | 1.73 | 0.36 | 0.70 | 1.12 | 4.58 | 2.32 | 3.89 | 2.33 | 3.41 | 1.52 | 1.05 | 1.50 | 24.51 |
| Spencer | ..... | 0.71 | ..... | 2.72 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Stockport | 5.04 | 0.60 | 4.10 | 1.32 | 7.07 | 4.29 | 2.25 | 2.17 | 4.96 | 2.53 | 1.64 | 1.12 | 37.09 |
| Storm Lake | 2.10 | 0.45 | 0.96 | 4.27 | 4.89 | 2.37 | 1.43 | 2.06 | 3.28 | 1.45 | 1.81 | 0.69 | 25.66 |
| Thurman | 1.61 | 0.26 | 0.29 | 2.31 | 4.51 | 5.16 | 1.75 | 6.23 | 2.72 | 1.43 | 1.28 | 1.13 | 28.68 |
| Tipton | 4.17 | 0.87 | 4.07 | 2.45 | 5.25 | 3.42 | 0.80 | 2.83 | 5.82 | 3.43 | ..... | 1.33 | ..... |
| Toledo | ..... | 0.90 | 1.52 | 3.47 | 3.69 | 2.84 | 0.62 | 2.02 | 2.90 | 2.74 | 1.43 | 0.93 | ..... |
| Washington | 4.00 | 0.47 | 5.80 | 2.49 | 4.35 | 4.48 | 1.22 | 3.71 | 5.99 | 2.90 | 1.51 | 1.65 | 38.57 |
| Washta | ..... | ..... | 0.70 | 1.93 | 3.51 | 3.18 | 1.05 | 2.23 | 3.17 | 1.56 | 2.05 | 1.03 | ..... |
| Waterloo | 2.77 | 0.56 | 1.46 | 2.51 | 3.20 | 3.08 | 1.06 | 1.12 | 3.20 | 3.05 | 0.88 | 0.86 | 23.75 |
| Waukee | 2.66 | 0.67 | 0.53 | 2.56 | 4.44 | 2.89 | 2.02 | 3.12 | 1.94 | 1.99 | 1.51 | 0.89 | 25.22 |
| Waverly | 2.85 | 0.43 | 1.87 | 3.12 | 4.32 | 3.11 | 3.46 | 1.30 | 5.41 | 2.60 | 0.99 | 1.06 | 30.52 |
| Webster City | 1.95 | 0.80 | 1.00 | 3.03 | 5.01 | 2.41 | 0.66 | 0.95 | 5.75 | 1.76 | 1.25 | 1.60 | 26.19 |
| West Bend | 2.08 | 0.34 | 1.24 | 2.06 | 5.48 | 4.71 | 0.86 | 1.89 | 3.36 | 1.56 | 2.40 | 1.09 | 27.07 |
| Whitten | 2.80 | 0.80 | 0.30 | 3.49 | 3.41 | 1.49 | 2.42 | 2.29 | 3.37 | 2.57 | 0.95 | ..... | ..... |
| Williamsburg | 2.10 | 0.73 | 1.76 | 2.39 | 6.39 | 3.61 | 1.14 | 2.35 | 3.60 | 1.64 | 2.34 | 0.88 | 28.93 |
| Winterset | 1.52 | 0.32 | 0.46 | 2.79 | 4.15 | 2.75 | 1.37 | 1.88 | 2.83 | 2.17 | 1.53 | 0.74 | 22.51 |
| **Kansas.** | | | | | | | | | | | | | |
| Abilene | ..... | 0.19 | 0.75 | 1.55 | 6.15 | 7.07 | 1.38 | 0.35 | 4.31 | 2.13 | 1.64 | 0.71 | ..... |
| Agricultural College | 1.47 | 0.25 | 1.42 | 2.17 | 6.40 | 7.43 | 1.92 | 0.76 | 8.12 | 2.65 | 3.42 | 1.21 | 37.22 |
| Alden | 1.80 | 0.06 | 0.60 | 2.95 | 3.97 | 7.41 | 0.07 | 1.11 | 3.82 | 1.94 | 0.37 | 0.40 | 24.50 |
| Alton | 0.13 | 0.10 | 0.60 | 1.80 | 1.66 | 4.48 | 0.58 | 1.77 | 1.80 | 0.89 | 0.10 | 0.43 | 14.34 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kansas*—Continued. | | | | | | | | | | | | | |
| Anthony | 1.50 | 0.11 | 0.55 | 1.95 | 2.44 | 7.00 | 2.00 | 0.54 | 2.51 | 1.43 | 1.82 | 0.63 | 22.48 |
| Arkansas City | ..... | ..... | ..... | ..... | ..... | ..... | 0.05 | 0.74 | 3.97 | 2.36 | 3.08 | 0.55 | ..... |
| Ashland | 0.49 | 0.04 | 0.19 | 2.86 | 1.36 | 4.88 | 0.10 | 2.52 | 5.64 | 1.92 | T. | 0.36 | 20.36 |
| Atchison | 2.71 | 0.45 | 1.97 | 2.49 | 5.59 | 4.43 | 1.20 | 2.19 | 2.64 | 2.73 | 3.08 | 0.63 | 30.11 |
| Beloit | 1.08 | 0.23 | 0.27 | 1.78 | 4.51 | 7.54 | 0.98 | 0.71 | 2.10 | 1.19 | 0.19 | 0.40 | 20.98 |
| Bird City | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.56 | 0.11 | 0.05 | ..... |
| Blakeman | 0.60 | T. | 0.09 | 1.38 | 1.35 | 3.38 | 1.03 | 3.57 | 0.57 | 0.64 | 0.33 | 0.40 | 13.34 |
| Blue Rapids | 1.61 | 0.20 | 0.38 | 2.41 | 5.11 | 3.97 | 3.79 | 1.56 | 1.93 | 1.42 | 1.16 | 0.62 | 24.16 |
| Burlington | 4.14 | 0.43 | 2.98 | 3.09 | 5.89 | 11.13 | 0.00 | 0.91 | 3.44 | 2.31 | 3.35 | 0.39 | 38.06 |
| Cawker City | 0.95 | 0.28 | 0.55 | 1.72 | ..... | 6.68 | ..... | 2.69 | 1.38 | 1.01 | ..... | 0.42 | ..... |
| Centralia | 1.60 | 0.40 | 0.70 | 2.65 | 6.23 | 4.69 | 1.79 | 1.80 | 3.85 | 2.06 | 2.98 | 1.32 | 30.07 |
| Chanute | 4.35 | 0.86 | 1.52 | 3.40 | 4.16 | 9.47 | 0.70 | 4.39 | 2.35 | 1.51 | 3.00 | 1.45 | 37.16 |
| Chapman | 1.29 | 0.36 | 1.52 | 2.90 | 5.48 | 6.83 | 0.76 | 0.75 | 5.71 | 2.37 | 4.03 | 0.88 | 32.88 |
| Cimarron | 0.45 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.55 | 1.79 | 0.08 | 0.37 | ..... |
| Clay Center | 1.00 | 0.30 | 1.01 | 2.19 | 4.61 | 6.05 | 1.07 | 1.31 | 1.20 | 1.38 | 1.28 | 1.00 | 22.40 |
| Colby | 0.55 | 0.05 | 0.33 | 2.01 | 1.33 | 3.60 | 1.76 | 1.83 | 0.41 | 0.66 | 0.21 | 0.37 | 13.11 |
| Coldwater | 0.55 | T. | 0.16 | 2.60 | 2.23 | 4.41 | 0.00 | 2.94 | 4.04 | 0.62 | 0.84 | 0.34 | 18.73 |
| Columbus | 8.43 | 0.46 | 4.61 | 4.16 | 3.87 | 10.95 | 0.35 | 1.37 | 2.04 | 1.95 | 1.97 | 1.15 | 41.31 |
| Concordia | 1.34 | 0.41 | 0.37 | 1.82 | 3.99 | 4.66 | 0.82 | 1.21 | 2.70 | 1.06 | 0.77 | 0.88 | 20.03 |
| Coolidge | ..... | T. | 0.20 | 3.01 | 0.00 | 1.20 | 0.82 | 5.05 | 0.30 | 0.91 | 0.05 | 0.10 | ..... |
| Cottonwood Falls | 2.16 | 0.32 | 1.53 | 3.44 | 6.88 | 8.51 | 0.07 | 3.75 | 1.94 | 2.31 | 2.81 | 0.73 | 34.45 |
| Council Grove | ..... | 0.10 | 1.68 | 1.90 | 6.77 | 6.32 | 0.46 | 1.89 | 2.54 | 2.20 | 2.49 | 1.55 | ..... |
| Cunningham | 0.73 | 0.09 | 0.80 | 4.25 | 6.25 | 9.49 | 0.23 | 2.69 | 6.85 | 0.83 | 1.86 | 0.80 | 34.87 |
| Deerfield | ..... | 0.00 | T. | 1.80 | 0.55 | 3.25 | 0.60 | 0.80 | 0.25 | 0.25 | 0.05 | T. | ..... |
| Densmore | 0.70 | T. | 0.57 | 1.16 | 1.76 | 2.89 | 1.22 | 1.96 | 0.73 | 0.95 | 0.10 | 0.58 | 12 62 |
| Dodge City | 0.59 | 0.06 | 0.68 | 2.84 | 0.41 | 5.16 | 0.09 | 2.25 | 1.15 | 0.79 | 0.03 | 0.30 | 14.35 |
| Dresden | 0.62 | 0.03 | 0.26 | 1.43 | 1.33 | 2.01 | 0.88 | 2.54 | 0.29 | 1.31 | 0.17 | 0.45 | 11.32 |
| El Dorado | 2.15 | 0.63 | 1.61 | 2.97 | 5.49 | 6.77 | 2.80 | 1.30 | 0.73 | 2.40 | 3.00 | 0.59 | 30.44 |
| Ellinwood | 2.18 | 0.18 | 0.43 | 3.50 | 1.41 | 7.14 | T. | 1.09 | 1.49 | 1.57 | 0.02 | 0.52 | 19.53 |
| Ellsworth | 1.27 | 0.59 | 0.65 | 2.38 | 4.15 | 5.74 | 0.29 | 2.60 | 1.38 | 1.53 | 0.09 | 0.80 | 21.47 |
| Emmett | ..... | T. | 1.51 | 2.06 | 6.25 | 4.18 | 0.35 | 0.36 | 2.10 | 2.91 | 1.83 | 1.01 | ..... |
| Emporia | 3.03 | 0.15 | 2.52 | 3.02 | 5.54 | 10.18 | 0.46 | 0.43 | 4.25 | 2.88 | 3.11 | 0.70 | 36.27 |
| Eskridge | 3.78 | 0.27 | 2.23 | 2.20 | 5.60 | 8.66 | 0.57 | 1.20 | 2.04 | 3.46 | 2.78 | 0.95 | 33.74 |
| Eureka | 2.15 | 0.95 | 2.18 | 3.55 | 4.34 | 6.63 | 0.06 | 2.49 | 1.73 | 2.79 | 2.98 | 0.84 | 30.69 |
| Fall River | 4.95 | 0.75 | 2.20 | 4.63 | 4.33 | 10.88 | 0.25 | 3.73 | 3.48 | 2.25 | 3.50 | 0.80 | 41.75 |
| Fargo | 0.25 | T. | 0.09 | 2.23 | 0.26 | 4.03 | 0.70 | 3.97 | 1.29 | 1.33 | T. | 0.25 | 14.40 |
| Fort Scott | 7.06 | 1.14 | 1.83 | 3.86 | 3.85 | 10.51 | 2.47 | 0.71 | 2.43 | 1.70 | 2.30 | 0.45 | 38.31 |
| Fredonia | 4.96 | 0.31 | 2.05 | 3.55 | 6.42 | 9.45 | 0.43 | 5.90 | 1.85 | 1.93 | 2.28 | 0.70 | 39.83 |
| Garden City | 1.09 | T. | 0.60 | 2.50 | 0.33 | 3.86 | 0.55 | 3.83 | 0.87 | 1.05 | T. | 0.51 | 15.19 |
| Goodland | 0.34 | T. | 0.15 | 2.33 | 1.14 | 2.11 | 0.27 | 2.93 | 0.79 | 0.56 | 0.10 | 0.15 | 10.87 |
| Gove | ..... | ..... | ..... | ..... | ..... | 2.02 | 1.22 | 1.17 | 0.75 | 0.60 | 0.07 | 0.34 | ..... |
| Greensburg | 0.74 | T. | 0.40 | 3.55 | 2.29 | 6.67 | 0.41 | 2.54 | 4.64 | 0.96 | T. | 0.20 | 22.31 |
| Grenola | 3.52 | 0.38 | 1.86 | 3.24 | 2.91 | 8.61 | 0.12 | 2.31 | 3.55 | 2.33 | 3.13 | 0.54 | 32.50 |
| Hanover | 1.61 | 0.30 | 0.37 | 1.81 | 7.82 | 3.99 | 1.09 | 1.64 | 1.22 | 1.01 | 0.43 | 0.55 | 21.84 |
| Harrison | 0.88 | 0.21 | 0.62 | 1.76 | 5.32 | 4.34 | 0.69 | 2.18 | 0.68 | 1.08 | 0.04 | 0.84 | 18.64 |
| Hays | 0.53 | 0.15 | 0.31 | 2.21 | 1.63 | 5.88 | 0.30 | 1.97 | 1.26 | 1.14 | 0.02 | 0.61 | 16.01 |
| Healy | 0.65 | T. | 0.15 | 1.39 | 1.80 | 3.63 | 0.71 | 0.20 | 0.51 | 0.61 | 0.04 | 0.10 | 9.79 |
| Hill City | ..... | ..... | 0.70 | 2.02 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Holton | 3.58 | 0.56 | 1.80 | 2.26 | 8.40 | 4.63 | 1.52 | 1.53 | 3.07 | 2.80 | 2.88 | 0.82 | 33.85 |
| Horton | 1.79 | 0.40 | 1.37 | 1.94 | 6.72 | 4.97 | 0.59 | 1.84 | 2.08 | 1.82 | 2.78 | 0.45 | 26.75 |
| Howard | ..... | 0.53 | 2.07 | 3.67 | 3.08 | 9.12 | 1.76 | 1.64 | 3.57 | 1.83 | 3.28 | 0.65 | ..... |
| Hoxie | 0.85 | 0.25 | 0.40 | 1.57 | 1.20 | 3.34 | 0.79 | 2.26 | 0.67 | ..... | ..... | ..... | ..... |
| Hugoton | 0.39 | T. | T. | 1.74 | 0.48 | 3.62 | 0.35 | 2.85 | 0.16 | 0.73 | T. | ..... | ..... |
| Hutchinson | 2.53 | 0.34 | 0.80 | 2.68 | 5.14 | 7.04 | 0.00 | 0.63 | 5.12 | 1.41 | 1.65 | 1.86 | 29.20 |
| Independence | 5.71 | 0.48 | 2.53 | 2.85 | 2.16 | 7.80 | 0.28 | 1.59 | 2.98 | 2.18 | 2.31 | 0.73 | 31.58 |
| Iola | 5.13 | 0.97 | 2.10 | 3.83 | 2.98 | 8.86 | T. | 2.43 | 5.56 | 1.67 | 3.03 | 0.68 | 36.90 |
| Irene | 1.15 | 0.05 | 0.13 | 2.06 | 0.12 | 3.23 | 0.56 | 4.30 | 0.18 | 0.37 | 0.29 | 0.63 | 13.07 |
| Jetmore | 0.23 | T. | 0.48 | 2.28 | 0.87 | 4.49 | 1.28 | 2.11 | 1.16 | 1.57 | 0.06 | 0.45 | 14.98 |
| La Crosse | 0.29 | 0.18 | 0.28 | 3.33 | 1.40 | 5.28 | 1.41 | 1.98 | 2.18 | 0.86 | T. | ..... | ..... |
| Lakin | 0.71 | T. | 0.36 | 2.11 | 0.62 | 3.80 | 1.34 | 2.67 | 0.33 | 0.56 | 0.06 | 0.21 | 12.77 |
| Larned | 0.73 | 0.05 | 0.42 | 2.84 | 0.80 | 9.01 | 0.41 | 1.96 | 1.14 | 1.63 | T. | 0.21 | 19.20 |
| Lawrence | 3.78 | 0.30 | 3.68 | 3.59 | 4.54 | 6.55 | T. | 1.46 | 3.05 | 3.86 | 4.07 | 0.32 | 35.20 |
| Leavenworth | 4.21 | 0.35 | 3.37 | 2.75 | 6.06 | 4.56 | 0.48 | 3.90 | 4.35 | 3.07 | 3.46 | 0.22 | 36.78 |
| Lebo | 3.58 | 0.16 | 2.49 | 2.70 | 5.39 | 8.63 | T. | 1.21 | 5.58 | 2.21 | 2.91 | 0.55 | 35.41 |
| Lenora | 0.53 | 0.20 | 0.41 | 2.05 | 1.82 | 4.07 | 0.48 | 2.50 | 1.13 | ..... | ..... | ..... | ..... |
| Leoti | 0.67 | 0.05 | 0.29 | 2.33 | 0.90 | 1.89 | 1.17 | 2.95 | 0.21 | 0.93 | 0.20 | 0.45 | 12.04 |
| Le Roy | 4.74 | 0.60 | 2.08 | 3.08 | 5.40 | 10.88 | 0.00 | 6.15 | 4.02 | 2.47 | 3.13 | 0.54 | 43.09 |
| Liberal | 0.22 | T. | 0.01 | 2.29 | 0.12 | 2.58 | 1.18 | 1.41 | 1.62 | 0.40 | 0.03 | 0.39 | 10.25 |
| Lincoln | 2.03 | 0.15 | 0.55 | 1.76 | 1.49 | 4.38 | T. | 3.20 | 2.07 | 0.85 | 0.18 | 0.35 | 17.01 |
| Lindsborg | 0.53 | 0.36 | 0.37 | 2.62 | 5.68 | 6.96 | 0.05 | ..... | 2.94 | 1.69 | 1.90 | 1.11 | ..... |
| Linn | 1.79 | 0.50 | 0.30 | 2.37 | 4.08 | 4.06 | 2.32 | 1.10 | 1.75 | 0.95 | 1.35 | 0.90 | 21.47 |
| McCracken | 0.49 | 0.11 | 0.41 | 2.47 | 1.38 | 4.06 | 0.53 | 3.14 | 1.21 | 0.74 | 0.02 | 0.15 | 14.71 |
| Macksville | 0.72 | 0.11 | 0.34 | 3.21 | 1.74 | 8.65 | 0.17 | 1.32 | 4.53 | 1.20 | T. | 0.46 | 22.45 |
| McPherson | 1.90 | 0.30 | 0.94 | 2.87 | 6.82 | 9.28 | T. | 1.35 | 3.42 | 2.25 | 2.00 | 1.37 | 32.50 |
| Madison | 3.93 | 0.23 | 2.34 | 3.18 | 5.96 | 9.86 | 0.14 | 0.98 | 3.30 | 2.05 | 2.81 | ..... | ..... |
| Manhattan | 2.04 | 0.12 | 1.46 | 1.72 | 6.81 | 7.48 | 2.15 | 0.59 | 8.07 | 2.86 | 3.48 | 1.10 | 37.88 |
| Marion | 2.09 | 0.33 | 1.58 | 2.90 | 8.45 | 13.72 | 0.35 | 1.26 | 3.52 | 2.06 | 2.12 | 1.35 | 39.73 |
| Medicine Lodge | 1.59 | 0.10 | 0.47 | 2.51 | 3.33 | 6.27 | 0.14 | 0.82 | 1.55 | 0.97 | 1.44 | 0.37 | 19.56 |
| Minneapolis | 1.61 | 0.12 | 0.21 | 2.04 | 1.92 | 3.47 | 0.35 | 1.28 | 2.52 | 1.20 | 0.25 | 0.41 | 15.38 |
| Minneola | 1.06 | 0.09 | 0.78 | 3.05 | 1.21 | 6.07 | 0.00 | 1.97 | 1.64 | 1.79 | T. | 0.35 | 18.01 |
| Moran | 5.02 | 1.58 | 2.98 | 4.03 | 3.74 | 10.15 | 0.09 | 2.71 | 2.43 | 1.55 | 3.43 | 0.93 | 38.64 |
| Mount Hope | 2.14 | 0.15 | 0.98 | 2.88 | 5.09 | 9.46 | 1.29 | 1.12 | 1.67 | 1.19 | 1.61 | 1.19 | 28.77 |
| Natoma | 0.45 | 0.04 | 0.37 | 1.57 | 3.27 | 4.96 | 0.46 | 2.05 | 1.79 | 0.85 | 0.25 | 0.41 | 16.47 |
| Neosho Rapids | 2.69 | 0.11 | 1.67 | 2.07 | 6.18 | 9.10 | 0.00 | 0.64 | 5.33 | 2.74 | 2.88 | 0.61 | 34.02 |
| Newton | 1.84 | 0.15 | 0.89 | 3.41 | 7.09 | 12.68 | 2.56 | 2.06 | 1.33 | 1.60 | 2.02 | 0.83 | 36 46 |
| Norton | 0.51 | T. | 0.50 | 1.71 | 2.53 | 2.53 | 0.93 | 1.83 | 0.54 | 1.33 | 0.10 | 1.01 | 13.52 |
| Norwich | 1.76 | 0.10 | 0.53 | 3.18 | 2.84 | 8.92 | 1.75 | 1.68 | 1.40 | 1.39 | 2.17 | 0.70 | 26.42 |
| Oberlin | 0.46 | T. | 0.32 | 1.15 | 2.00 | 1.94 | 0.86 | 2.56 | 0.16 | 1.61 | 0.11 | 0.31 | 11.48 |
| Okato | 0.58 | 0.05 | 0.29 | 2.46 | 6.86 | 3.37 | 3.67 | 2.85 | 1.19 | 1.18 | 1.00 | 0.70 | 24.20 |
| Olathe | 5.38 | 0.50 | 3.77 | 4.16 | 4.65 | 5.62 | 0.18 | 1.74 | 5.25 | 3.60 | 2.69 | 0.95 | 38.49 |
| Osage City | 3.12 | 0.14 | 3.18 | 3.23 | 6.02 | 10.60 | T. | 0.45 | 4.72 | 3.63 | 3.12 | 0.82 | 39.03 |
| Oskaloosa | 1.83 | 0.70 | 4.11 | 2.57 | 4.75 | 6.15 | 1.55 | ..... | 1.99 | 3.60 | 3.98 | ..... | ..... |
| Oswego | 7.65 | 0.54 | 4.08 | 3.83 | 3.16 | 11.03 | 0.09 | 2.87 | 2.39 | 1.75 | 2.73 | 1.00 | 41.12 |
| Ottawa | 4.76 | 0.45 | 2.28 | 2.86 | 5.83 | 5.91 | 0.07 | 1.51 | 7.73 | 3.68 | 3.06 | 0.90 | 39.04 |
| Phillipsburg | 0.84 | 0.15 | 0.30 | 0.85 | 3.94 | 4.48 | 0.43 | 2.25 | 0.61 | 1.57 | 0.05 | 0.42 | 15.89 |
| Pittsburg | 7.62 | 0.28 | 3.80 | 2.72 | 4.09 | 10.59 | 0.03 | 2.07 | 1.05 | 1.35 | 1.56 | 1.16 | 36.32 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Kansas*—Continued. | | | | | | | | | | | | | |
| Plains | 0.40 | 0.00 | ..... | 2.76 | 0.24 | 4.70 | 0.52 | 1.45 | 0.15 | 1.45 | 0.02 | 0.42 | ..... |
| Plainville | 0.82 | 0.23 | 0.89 | 1.48 | 2.11 | 4.11 | 0.11 | 2.01 | 1.46 | 0.75 | 0.45 | 0.42 | 14.84 |
| Pleasanton | 5.87 | 0.69 | 4.43 | 3.68 | 3.66 | 7.15 | 0.71 | 1.47 | 3.01 | 1.72 | 3.37 | 2.00 | 37.76 |
| Pratt | 2.16 | 0.02 | 0.47 | 3.91 | 4.37 | 8.30 | T. | 2.48 | 2.61 | 0.78 | 0.68 | ..... | ..... |
| Quenemo | 6.36 | 0.37 | 2.37 | 3.31 | 6.40 | 7.49 | 0.04 | 0.74 | 5.82 | 2.79 | 3.72 | 1.28 | 40.69 |
| Republic | 0.93 | 0.30 | 0.40 | 1.59 | 5.93 | 4.99 | 0.24 | 1.73 | 0.63 | 1.13 | 0.62 | 0.36 | 18.85 |
| Richfield | 0.81 | T. | T. | 2.08 | 0.18 | 3.92 | 0.85 | 3.37 | 0.68 | 0.48 | 0.05 | 0.49 | 12.91 |
| Rome | 2.35 | 0.22 | 0.72 | 2.09 | 1.49 | 10.42 | 0.01 | 0.74 | 1.70 | 2.29 | 1.52 | 1.17 | 24.72 |
| Russell | 0.28 | 0.28 | 0.23 | 2.16 | 2.62 | 5.04 | 0.40 | 2.85 | 3.05 | 0.94 | 0.04 | 0.46 | 18.35 |
| Russell Springs | 0.40 | T. | T. | 1.18 | 1.70 | 1.89 | 0.21 | 1.81 | 0.65 | 0.50 | T. | 0.50 | 8.84 |
| St. Francis | 0.46 | 0.02 | 0.19 | 1.45 | 2.55 | 2.83 | 1.89 | 2.91 | 0.65 | 0.78 | 0.34 | 0.10 | 14.17 |
| Salina | 1.39 | 0.32 | 0.38 | 2.51 | 3.13 | 7.58 | 0.09 | 1.34 | 1.16 | 1.78 | 1.02 | 0.64 | 21.34 |
| Santa Fe | 0.36 | 0.04 | 0.04 | 2.52 | 0.10 | 4.20 | ..... | 2.44 | 1.39 | 0.74 | T. | 0.25 | ..... |
| Scott City | 1.37 | 0.05 | 0.81 | 2.47 | 1.64 | 3.31 | 0.39 | 1.00 | 0.64 | 0.91 | 0.29 | 0.61 | 13.49 |
| Sedan | 6.03 | 0.31 | 2.13 | 3.05 | 2.03 | 11.85 | 1.25 | 0.52 | 3.54 | 2.79 | 2.21 | 0.64 | 36.35 |
| Smith Center | 0.33 | 0.21 | 0.86 | 0.99 | 4.80 | 5.48 | 1.98 | 1.41 | 0.89 | 0.99 | T. | 0.33 | 18.27 |
| Topeka | 2.69 | 0.31 | 2.55 | 2.26 | 4.95 | 5.97 | 0.32 | 0.78 | 2.03 | 3.14 | 2.65 | 0.70 | 28.35 |
| Toronto | 4.72 | 1.15 | 1.95 | 3.93 | 4.48 | 7.62 | T. | 4.38 | 3.23 | 1.83 | 3.18 | 0.97 | 37.44 |
| Tribune | 0.57 | T. | 0.20 | 2.44 | 1.88 | 1.95 | 1.43 | 3.84 | 0.42 | 0.81 | 0.10 | 0.80 | 14.14 |
| Trousdale | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.24 | 5.17 | 0.61 | T. | 0.31 | ..... |
| Ulysses | 1.38 | T. | T. | 1.93 | 0.02 | 2.42 | 0.45 | 5.89 | 0.82 | 0.57 | T. | 0.30 | 13.78 |
| Utica | ..... | T. | 0.34 | 2.29 | 2.46 | 3.77 | 0.42 | 0.90 | 1.35 | 0.53 | 0.06 | 0.25 | ..... |
| Valley Falls | 2.47 | 0.36 | 2.00 | 2.02 | 5.10 | 4.60 | 0.93 | 2.31 | 1.88 | 2.69 | 2.87 | 0.88 | 28.11 |
| Vinland | 4.61 | 0.27 | 3.36 | 3.37 | 6.08 | 6.54 | 0.15 | 1.29 | 5.20 | 3.71 | 3.77 | 0.46 | 38.81 |
| Wakeeney | 0.57 | 0.17 | 0.68 | 2.19 | 1.76 | 4.13 | 2.54 | 1.58 | 0.94 | 0.67 | T. | 0.40 | 15.63 |
| Wallace | 0.66 | T. | 0.04 | 1.84 | 0.82 | 2.69 | 0.35 | 2.40 | ..... | ..... | 0.05 | 0.71 | ..... |
| Walnut | 6.84 | 0.80 | 4.09 | 3.18 | 3.54 | 8.95 | 2.98 | 4.86 | 2.22 | 1.51 | 2.14 | 1.36 | 42.47 |
| Wamego | 3.26 | 0.14 | 1.31 | 2.37 | 7.32 | 6.69 | 0.45 | 0.33 | 5.42 | 2.64 | 1.77 | 0.85 | 32.55 |
| Wellington | 1.96 | 0.07 | 0.92 | 2.97 | 2.48 | 9.75 | 0.00 | 1.06 | 2.54 | 2.49 | 2.52 | 0.09 | 26.85 |
| Wichita | 1.90 | 0.13 | 1.50 | 3.87 | 5.11 | 8.32 | 0.10 | 2.12 | 0.86 | 2.32 | 2.93 | 0.46 | 29.62 |
| Winfield | 2.82 | 0.10 | 0.95 | 3.18 | 1.51 | 12.44 | 0.30 | 0.97 | 2.52 | 2.23 | 3.33 | 0.80 | 31.05 |
| Yates Center | 3.14 | 1.42 | 2.14 | 5.16 | 3.71 | 8.00 | 2.00 | 3.40 | 3.87 | 2.12 | 4.60 | 0.84 | 40.40 |
| *Kentucky.* | | | | | | | | | | | | | |
| Alpha | 7.16 | 3.05 | 3.53 | 2.43 | 5.15 | 5.60 | 8.57 | 7.03 | ..... | 2.60 | 0.85 | 5.87 | ..... |
| Anchorage | 8.32 | 2.43 | 4.19 | 2.92 | 2.92 | 4.76 | 8.74 | 4.12 | 2.88 | 1.52 | 1.48 | 5.14 | 49.42 |
| Bardstown | 6.63 | 4.07 | 3.63 | 2.23 | 3.61 | 5.21 | 2.50 | 5.70 | 2.07 | 2.80 | 2.00 | 4.74 | 45.19 |
| Beattyville | 5.09 | 3.37 | 5.01 | 2.25 | 4.58 | 4.17 | 2.91 | 6.93 | 3.70 | 3.64 | 1.60 | 4.94 | 48.19 |
| Beaver Dam | 8.51 | 2.83 | 2.44 | 2.29 | 4.41 | 3.32 | 4.06 | 1.60 | 2.74 | 2.46 | 1.15 | 3.69 | 39.50 |
| Berea | 8.20 | 2.20 | 2.45 | 3.45 | 4.45 | 3.81 | 6.15 | 1.92 | 3.82 | 1.75 | 1.91 | 3.87 | 43.98 |
| Blandville | 10.02 | 1.74 | 2.94 | 2.91 | 5.11 | 8.37 | 0.87 | 2.00 | 2.46 | 2.04 | 1.84 | 4.51 | 44.81 |
| Bowling Green | 8.86 | 3.60 | 2.83 | 2.43 | 5.42 | 3.55 | 4.15 | 2.68 | 7.42 | 2.17 | 1.67 | 4.34 | 49.12 |
| Burnside | 6.52 | 2.99 | 3.08 | 2.46 | 3.48 | 3.36 | 7.59 | 4.42 | 5.81 | 3.36 | 1.38 | 4.41 | 48.86 |
| Calhoun | 8.32 | 2.49 | 3.00 | 4.70 | 4.17 | 5.34 | 3.58 | 3.21 | 2.72 | 2.97 | 1.26 | 4.86 | 46.62 |
| Catlettsburg | 5.36 | 4.90 | 4.59 | 2.82 | 3.86 | 4.20 | 1.90 | 6.88 | 3.16 | 2.52 | 1.56 | 4.52 | 46.27 |
| Cloverport | 10.01 | 2.41 | 2.50 | 4.54 | 3.97 | 7.53 | 3.54 | 4.69 | 2.61 | 2.64 | 1.32 | 5.21 | 50.97 |
| Earlington | 7.28 | 1.97 | 2.28 | 4.40 | 3.52 | 3.59 | 3.99 | 1.33 | 2.14 | 2.22 | 1.09 | 3.58 | 37.39 |
| Edmonton | 8.20 | 1.87 | 2.66 | 1.46 | 6.30 | 4.09 | ..... | ..... | ..... | ..... | ..... | 4.95 | ..... |
| Eubank | 5.69 | 3.66 | 4.16 | 2.19 | 4.28 | 4.21 | 6.64 | 2.67 | 2.89 | 4.99 | 1.72 | 3.25 | 46.35 |
| Falmouth | 7.44 | 3.38 | 4.32 | 2.26 | 3.80 | 4.84 | 1.62 | 5.08 | 3.61 | 1.67 | 1.61 | 3.67 | 43.30 |
| Farmers | 6.99 | 2.90 | ..... | 2.31 | 4.43 | 8.00 | 4.82 | 6.13 | 3.30 | 2.27 | 0.90 | 4.13 | ..... |
| Frankfort | 6.34 | 3.73 | 3.03 | 1.81 | 3.50 | 7.28 | 1.65 | 4.51 | 4.85 | 2.15 | 1.75 | 4.44 | 45.04 |
| Franklin | 9.48 | 2.45 | 3.23 | 2.50 | 7.15 | 3.18 | 4.25 | 3.49 | 4.38 | 2.42 | 1.35 | 3.76 | 47.64 |
| Greensburg | 6.46 | 4.08 | 3.84 | 2.74 | 4.59 | 3.37 | 3.76 | 4.96 | 3.68 | 3.44 | 1.95 | 3.53 | 46.40 |
| Greenville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.88 | 2.55 | 1.08 | 4.23 | ..... |
| High Bridge | 6.39 | 3.71 | 3.22 | 2.14 | 2.58 | 4.60 | 3.58 | 6.16 | 4.13 | 2.21 | 1.22 | 4.46 | 44.40 |
| Hopkinsville | 9.82 | 1.53 | 3.30 | 1.99 | 3.94 | 4.47 | 3.42 | 2.20 | 4.22 | 2.31 | 1.20 | 5.63 | 44.03 |
| Irvington | 8.51 | 1.88 | 1.80 | 3.30 | 2.71 | 5.29 | 4.46 | 2.25 | 2.61 | 3.23 | 1.02 | 4.48 | 41.54 |
| Jackson | ..... | ..... | 5.19 | 2.35 | 2.68 | 4.08 | 3.83 | 7.83 | 3.84 | 2.80 | 1.33 | 4.89 | ..... |
| Junction City | 7.90 | 3.83 | 4.40 | 2.34 | 4.56 | 3.69 | 6.94 | 2.96 | 3.35 | 3.48 | 1.68 | 4.28 | 49.41 |
| Leitchfield | 7.11 | 2.40 | 2.33 | 2.96 | 6.57 | 4.69 | 3.40 | 1.30 | 2.94 | 2.22 | 1.34 | 4.39 | 41.65 |
| Lexington | 5.65 | 3.40 | 3.30 | 1.01 | 2.92 | 5.33 | 1.72 | 2.34 | 2.75 | 2.04 | 1.25 | 3.63 | 35.34 |
| London | 6.14 | 2.10 | 2.31 | 2.29 | 4.14 | 4.26 | 3.33 | 4.89 | 2.99 | 4.33 | 1.59 | 3.92 | 42.29 |
| Loretto | 7.68 | 1.73 | 2.98 | 2.26 | 3.45 | 4.96 | 3.53 | 8.19 | 2.82 | 2.84 | 1.55 | 4.69 | 46.68 |
| Louisville (No. 1) | 8.16 | 3.14 | 3.85 | 3.17 | 3.39 | 6.05 | 8.08 | 3.06 | 4.12 | 2.02 | 1.17 | 4.12 | 50.33 |
| Louisville (No. 2) | 8.80 | 3.30 | 3.18 | 3.40 | 3.93 | 5.93 | 10.04 | 4.02 | 4.68 | 2.06 | 1.40 | 4.64 | 55.38 |
| Louisa | 4.47 | 3.45 | 4.07 | 2.25 | 3.87 | 4.24 | 2.61 | 5.76 | 2.58 | 2.55 | 1.12 | 2.49 | 39.46 |
| Manchester | 6.26 | 1.83 | 2.53 | 2.93 | 2.07 | 4.49 | 6.05 | 6.83 | 2.75 | 4.12 | 1.26 | 2.68 | 43.80 |
| Marion | 7.75 | ..... | ..... | ..... | 4.02 | 6.05 | 4.07 | 5.90 | 2.58 | 2.29 | 1.71 | 5.03 | ..... |
| Mayfield | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.15 | 2.35 | 1.95 | 4.61 | ..... |
| Maysville | 8.47 | 3.74 | 5.50 | 2.86 | 3.18 | 4.99 | 0.69 | 6.52 | 3.35 | 2.45 | 1.35 | 3.68 | 46.78 |
| Middlesboro | 6.27 | 3.83 | 3.22 | 2.54 | 4.45 | 5.04 | 5.39 | 3.37 | 2.93 | 3.95 | 1.69 | 5.47 | 48.15 |
| Mount Sterling | 5.91 | 4.22 | 5.00 | 1.79 | 3.89 | 8.99 | 3.90 | 6.08 | 4.29 | 2.37 | 2.10 | 3.46 | 52.00 |
| Owensboro | 9.26 | 1.60 | 2.35 | 3.82 | 3.89 | 4.89 | 0.97 | 2.28 | 3.40 | 3.49 | 1.08 | 3.38 | 40.41 |
| Paducah | 9.83 | 1.23 | 2.68 | 2.57 | 5.30 | 6.42 | 2.36 | 2.55 | 2.19 | 2.34 | 1.94 | 4.86 | 44.27 |
| Pikeville | 4.30 | 3.66 | 4.62 | 3.22 | 2.84 | 3.52 | 5.18 | 5.96 | 3.28 | 3.43 | 1.62 | 3.24 | 44.87 |
| Princeton | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.29 | 1.30 | ..... | ..... |
| Richmond | 5.91 | 4.31 | 2.88 | 2.22 | 3.50 | 4.75 | 4.75 | 3.73 | 4.53 | 3.40 | 1.29 | 2.81 | 44.08 |
| Russellville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.78 | 7.80 | 2.25 | 1.83 | 3.76 | ..... |
| St. John | 6.18 | 3.77 | 2.91 | 3.47 | 3.63 | 6.02 | 3.79 | 4.41 | 3.08 | 1.99 | 1.96 | 5.39 | 46.65 |
| Scott | 7.30 | 2.49 | 3.74 | 2.42 | 3.85 | 4.42 | 0.76 | 4.63 | 1.62 | 2.09 | 2.25 | 4.33 | 39.90 |
| Shelbyville | 7.41 | 3.59 | 3.47 | 2.11 | 4.70 | 5.53 | 3.52 | 3.32 | 3.11 | 1.78 | 1.94 | 4.32 | 44.80 |
| Taylorsville | 8.02 | 3.02 | 3.01 | 2.14 | 3.58 | 4.85 | 6.80 | 4.22 | 4.25 | 1.75 | 1.70 | 4.50 | 47.84 |
| Weeksbury | 4.26 | 3.13 | 3.95 | 3.05 | 2.61 | 2.88 | 4.17 | 4.07 | 2.32 | 3.40 | 1.15 | ..... | ..... |
| Williamsburg | 6.76 | 3.10 | 2.68 | 2.53 | 4.83 | 4.67 | 4.84 | 4.34 | 2.93 | 1.73 | 1.58 | 3.94 | 43.93 |
| Williamstown | 6.42 | 3.42 | 3.78 | 1.66 | 3.15 | 4.28 | 2.37 | 4.89 | 2.90 | 1.47 | 2.11 | 4.12 | 40.57 |
| *Louisiana.* | | | | | | | | | | | | | |
| Abbeville | 5.45 | 1.17 | 0.10 | 4.08 | 8.28 | 3.22 | 6.82 | 8.22 | 3.36 | 2.46 | 0.63 | 6.65 | 50.39 |
| Alexandria | 7.86 | 1.53 | 1.80 | 3.60 | 9.65 | 4.62 | 6.07 | 6.40 | 2.20 | 3.75 | 0.90 | 7.00 | 55.38 |
| Amite | 6.90 | 3.87 | 2.65 | 4.90 | 8.90 | 5.70 | 11.40 | 5.35 | 2.25 | 3.40 | 1.02 | 6.90 | 63.24 |
| Angola | 7.90 | 1.60 | 3.20 | 3.10 | 12.40 | 3.30 | 8.10 | 2.70 | 2.00 | 2.52 | 0.80 | 7.20 | 54.82 |
| Antioch | 9.81 | 0.06 | 1.37 | 3.37 | 5.90 | 4.38 | 4.34 | 2.85 | 3.72 | ..... | ..... | ..... | ..... |
| Avoca Island | 3.51 | 1.02 | 0.59 | 1.69 | 5.45 | 3.63 | 7.34 | 9.56 | 2.90 | 5.80 | 1.80 | 3.59 | 46.68 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Louisiana*—Continued. | | | | | | | | | | | | | |
| Baton Rouge | 6.21 | 2.72 | 1.90 | 2.55 | 8.54 | 2.05 | 7.16 | 4.46 | 5.39 | 3.59 | 0.33 | 4.67 | 49.57 |
| Burrwood | 2.56 | 2.52 | 1.02 | 1.63 | 6.68 | 7.96 | 15.51 | 4.57 | 2.50 | 14.60 | 2.34 | 4.00 | 65.89 |
| Cades | 4.60 | 1.39 | 0.27 | 2.62 | 6.61 | 1.79 | 10.07 | 6.68 | 2.30 | 2.83 | 0.57 | 4.34 | 44.07 |
| Calhoun | 5.06 | 0.94 | 1.16 | 3.24 | 9.61 | 2.52 | 7.36 | 0.33 | 1.35 | 2.36 | 0.92 | 1.61 | 36.46 |
| Cheneyville | 4.38 | 0.65 | 0.80 | 2.69 | 10.02 | 2.37 | 10.37 | 4.79 | 1.80 | 2.20 | 0.90 | 5.08 | 46.05 |
| Cinclare | 10.20 | 0.85 | 1.57 | 3.20 | 9.12 | 5.37 | 8.39 | 6.27 | 4.17 | 3.80 | 0.40 | 5.40 | 58.74 |
| Clinton | 9.06 | 1.13 | 2.35 | 6.32 | 8.25 | 2.02 | 10.90 | 3.29 | 6.78 | 5.15 | 0.49 | 8.42 | 64.16 |
| Collinston | 7.99 | 0.22 | 2.90 | 3.47 | 8.28 | 3.52 | 7.20 | 1.38 | 0.72 | 3.82 | 1.02 | 2.25 | 42.77 |
| Covington | 9.07 | 2.33 | 1.62 | 4.15 | 9.49 | 5.96 | 18.10 | 4.48 | 3.21 | 1.85 | 2.20 | 6.22 | 68.68 |
| De Ridder | 5.43 | 0.41 | 0.35 | 2.59 | 5.73 | ..... | ..... | 3.44 | 1.75 | 0.59 | 0.49 | 4.43 | ..... |
| Dodson | 6.80 | 0.46 | 1.79 | 3.22 | 11.02 | 1.90 | 7.39 | 2.18 | 5.34 | 1.94 | 0.49 | 2.87 | 45.40 |
| Donaldsonville | 5.90 | 3.36 | 1.35 | 4.82 | 12.06 | 3.76 | 8.99 | 6.04 | 4.50 | 5.06 | 0.71 | 4.96 | 61.51 |
| Dutchtown | 6.97 | 2.87 | 1.93 | 3.48 | 10.52 | 4.67 | 5.90 | 5.13 | 3.58 | 3.50 | ..... | 8.00 | ..... |
| Franklin | 3.30 | 3.58 | 0.57 | 1.64 | 6.11 | 5.50 | 13.75 | 5.44 | 2.72 | 8.30 | 0.68 | 7.30 | 58.89 |
| Franklinton | 10.62 | 1.87 | 3.55 | 5.43 | 5.17 | 7.28 | 9.66 | 6.26 | 3.09 | 5.27 | 0.57 | 7.86 | 66.63 |
| Grand Cane | 9.65 | 0.35 | 0.98 | 5.10 | 9.47 | 2.43 | 2.24 | 2.53 | 1.17 | 2.69 | 1.78 | 2.09 | 40.48 |
| Grand Coteau | 8.94 | 1.80 | 0.30 | 3.96 | 9.75 | 3.91 | 10.77 | 4.54 | 1.59 | 2.03 | 0.06 | 5.80 | 53.45 |
| Hammond | 9.00 | 2.70 | 1.25 | 4.70 | 7.30 | 3.65 | 16.83 | 4.37 | 5.45 | 3.50 | 0.90 | 6.15 | 65.80 |
| Houma | 2.95 | 1.01 | ..... | 2.36 | 4.50 | 6.22 | 8.63 | 4.15 | 3.90 | 9.00 | 0.50 | 3.80 | ..... |
| Jeanerette | 3.85 | 2.45 | 0.30 | 4.73 | 6.43 | 1.96 | 6.95 | 3.99 | 2.64 | 3.02 | 0.75 | 4.79 | 41.86 |
| Jennings | 7.39 | 1.41 | 0.48 | 3.43 | 6.42 | 2.27 | 8.54 | 4.54 | 2.88 | 1.80 | 0.22 | 5.14 | 44.52 |
| Kelly (near) | 6.90 | 0.69 | 2.37 | 2.78 | 8.46 | 1.30 | 9.32 | 2.30 | 0.62 | 3.13 | 0.99 | 2.91 | 41.77 |
| Lafayette | 10.05 | 2.08 | 0.19 | 2.80 | 7.46 | 5.31 | 9.23 | 6.86 | 4.40 | 1.32 | 0.66 | 4.32 | 54.68 |
| Lake Charles | 8.00 | 1.10 | 1.86 | 2.26 | 11.20 | 3.05 | 6.05 | 10.13 | 2.90 | 1.55 | 0.50 | ..... | ..... |
| Lakeside | 10.92 | 5.47 | 0.00 | 2.86 | 4.08 | 3.46 | 12.68 | 10.29 | 2.50 | 1.84 | 0.05 | 5.47 | 59.62 |
| La Rose | 2.25 | 2.60 | 1.58 | 3.97 | 4.86 | 4.41 | 5.70 | 4.88 | 1.83 | 6.34 | ..... | 8.42 | ..... |
| Lawrence | 1.93 | 1.28 | 0.90 | 2.67 | 5.07 | 6.99 | 9.11 | 4.60 | 4.30 | 7.19 | 1.66 | 6.08 | 51.78 |
| Liberty Hill | 7.69 | 0.42 | 1.05 | 3.69 | 10.98 | 2.81 | 7.66 | 0.80 | 2.30 | 0.92 | 2.34 | 5.73 | 46.39 |
| Logansport | 8.30 | 0.21 | 2.21 | 3.82 | 9.47 | 1.40 | 2.31 | 0.25 | 0.27 | 2.55 | 3.34 | 1.81 | 35.94 |
| Melville | 8.38 | 2.18 | 0.72 | 4.65 | 8.44 | 3.02 | 7.78 | 4.83 | 2.92 | 2.20 | 0.70 | 6.60 | 51.98 |
| Merryville | 8.09 | 1.39 | 0.68 | 3.22 | 7.98 | 2.47 | 4.15 | 7.74 | 3.57 | 0.54 | 1.40 | 4.12 | 45.35 |
| Minden | 11.40 | 0.60 | 1.42 | 4.47 | 9.49 | 3.94 | 3.07 | 2.14 | 3.33 | 1.90 | 3.35 | 1.58 | 46.69 |
| Monroe | 8.37 | 2.14 | 2.67 | 2.97 | 9.05 | 2.47 | 8.43 | 1.84 | 0.60 | 4.45 | 1.15 | 1.88 | 46.02 |
| Morgan City | 2.34 | 2.06 | 0.52 | 1.94 | 5.37 | 2.23 | 10.37 | 8.79 | 3.38 | 5.56 | 1.89 | 3.24 | 47.69 |
| Napoleonville | 5.79 | 1.44 | 1.10 | 2.75 | 9.72 | 3.91 | 5.29 | 4.99 | 4.69 | 9.04 | 0.31 | 5.93 | 54.96 |
| Newellton | 5.27 | 1.29 | 1.49 | 1.89 | 9.46 | 3.69 | 3.10 | 2.54 | 2.34 | 1.95 | 1.06 | 2.69 | 36.77 |
| New Iberia | 4.91 | 2.00 | 0.48 | 7.30 | 5.87 | 5.58 | 10.35 | 7.00 | 3.79 | 2.65 | 0.80 | 6.03 | 56.76 |
| New Orleans (No. 1) | 4.46 | 2.76 | 0.64 | 2.55 | 7.97 | 9.70 | 6.78 | 4.89 | 3.13 | 8.51 | 0.88 | 7.17 | 59.44 |
| New Orleans (No. 2) | 4.26 | 1.91 | 0.83 | 3.38 | 8.06 | 5.09 | 7.32 | 6.09 | 4.79 | 6.39 | 0.76 | 6.49 | 55.37 |
| New Orleans (No. 3) | 3.49 | 1.57 | 0.58 | 2.33 | 6.92 | 5.67 | 3.66 | 4.88 | 4.36 | 6.09 | 0.50 | 4.97 | 45.02 |
| New Orleans (No. 5) | 4.42 | 2.76 | 0.91 | 3.20 | 9.25 | 6.29 | 4.76 | 4.48 | 3.80 | 6.47 | 0.78 | 5.77 | 52.29 |
| New Orleans (No. 6) | 4.30 | 2.65 | 0.73 | 2.31 | 8.08 | 10.03 | 6.56 | 4.66 | 2.98 | 8.01 | 0.78 | 7.08 | 58.17 |
| New Orleans (No. 7) | 4.66 | 1.77 | 0.68 | 2.30 | 7.65 | 4.51 | 4.68 | 4.34 | 2.84 | 7.67 | 0.80 | 5.37 | 47.27 |
| New Orleans (No. 8) | 4.27 | 2.20 | 0.36 | 2.53 | 7.53 | 9.31 | 6.32 | 5.39 | 2.79 | 7.00 | 0.64 | 6.52 | 54.86 |
| Opelousas | 10.40 | 1.45 | 0.40 | 5.73 | 10.79 | 3.42 | 3.52 | 4.10 | 2.52 | 1.21 | 0.51 | 7.62 | 51.67 |
| Paradis | 5.13 | 1.12 | 1.50 | 2.75 | 7.55 | 4.65 | 8.46 | 3.47 | 2.03 | 11.05 | 0.90 | 6.87 | 55.48 |
| Pearl River | 6.82 | 2.89 | 1.86 | 4.77 | 7.00 | 6.54 | 15.19 | 7.74 | 2.46 | 2.86 | 0.86 | 5.36 | 64.35 |
| Plain Dealing | 8.03 | 0.24 | 1.07 | 4.36 | 4.95 | 3.48 | 5.92 | 0.58 | 1.27 | 1.40 | 2.67 | 3.59 | 37.56 |
| Rayne | 8.32 | 1.05 | 0.49 | 2.75 | 6.35 | 4.50 | 10.75 | 5.54 | 2.28 | 3.42 | 0.44 | 4.55 | 50.44 |
| Reserve | ..... | 1.75 | 1.12 | 3.15 | 8.45 | 1.65 | 4.85 | 4.20 | 2.05 | 3.95 | 1.30 | 5.85 | ..... |
| Richland Plantation | 6.57 | 1.12 | 1.56 | 3.22 | 8.56 | 1.48 | 4.64 | 3.83 | 2.19 | 3.24 | 0.53 | 5.29 | 42.23 |
| Robeline | 6.85 | 0.90 | 1.90 | 4.20 | 12.90 | 1.85 | 6.18 | 2.64 | 4.56 | 0.93 | 2.77 | 3.18 | 48.86 |
| Ruston | 9.14 | 0.78 | 1.84 | 3.91 | 8.74 | 3.94 | 13.09 | 1.03 | 4.53 | 1.71 | 2.00 | 5.87 | 56.58 |
| St. Francisville | 8.71 | 2.43 | 2.04 | 6.13 | 8.57 | 2.39 | 8.36 | 3.92 | 3.68 | 4.24 | 1.20 | 5.21 | 56.88 |
| St. Gabriel | 7.75 | 2.05 | 1.90 | 3.55 | 13.08 | 3.36 | 5.51 | 6.33 | 2.44 | 4.70 | 0.57 | 5.89 | 57.13 |
| Schriever | 3.09 | 1.86 | 0.92 | 4.10 | 7.50 | 5.40 | 8.60 | 3.70 | 1.80 | 8.00 | 1.10 | 7.50 | 53.57 |
| Shreveport | 6.29 | 0.01 | 1.88 | 4.61 | 5.01 | 3.08 | 3.09 | 0.55 | 1.46 | 2.17 | 2.54 | 1.65 | 32.34 |
| Simmesport | 7.27 | 1.86 | 2.62 | 2.95 | 12.44 | 4.58 | 9.53 | 2.65 | 2.51 | 1.78 | 1.14 | 5.06 | 54.39 |
| Sugartown | 7.19 | 0.00 | 0.97 | 2.16 | 7.35 | 4.89 | 2.66 | 5.38 | 0.87 | 2.94 | 1.28 | 5.19 | 40.88 |
| Tallulah (near) | 6.33 | 1.95 | 1.88 | 1.66 | 6.90 | 4.50 | 4.90 | 0.98 | 1.13 | 3.45 | 1.67 | 5.10 | 40.45 |
| Vinton | 3.45 | ..... | 0.50 | 2.88 | 6.24 | ..... | 5.55 | 6.94 | 0.90 | 0.27 | ..... | 6.29 | ..... |
| *Maine.* | | | | | | | | | | | | | |
| Bar Harbor | 1.89 | 3.52 | 4.35 | 3.85 | 3.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cornish | 2.09 | 5.83 | 4.10 | 6.23 | 5.46 | 7.83 | 4.53 | 4.13 | 3.88 | 2.62 | 3.73 | 4.76 | 55.19 |
| Eastport | 1.86 | 2.65 | 1.64 | 2.57 | 1.38 | 3.79 | 4.87 | 1.82 | 2.41 | 2.73 | 2.12 | 3.98 | 31.82 |
| Fairfield | 0.89 | 1.72 | 1.48 | 1.52 | 2.18 | 2.93 | 1.75 | 4.23 | 3.35 | 2.49 | ..... | ..... | ..... |
| Farmington | 1.49 | 4.21 | 2.23 | 4.28 | 6.79 | 5.14 | 3.95 | 7.50 | 5.25 | 2.29 | 4.18 | 4.62 | 51.93 |
| Gardiner | 1.87 | 3.85 | 3.25 | 4.00 | 4.65 | 4.45 | 3.30 | 3.01 | 3.14 | 2.59 | 3.44 | 5.71 | 43.26 |
| Greenville | 2.35 | 3.34 | 2.35 | 2.45 | 4.59 | 3.99 | 5.60 | 2.95 | 4.23 | 2.87 | 4.17 | 4.87 | 43.76 |
| Houlton | 2.15 | 3.20 | 0.95 | 1.35 | 1.09 | 2.62 | 4.32 | 1.57 | 1.42 | 3.16 | 2.15 | 4.13 | 28.11 |
| Langtown | ..... | ..... | ..... | ..... | 3.21 | 4.35 | 3.23 | 4.19 | 4.02 | 1.66 | 2.63 | 3.12 | ..... |
| Lewiston | 2.18 | 4.64 | 2.49 | 4.76 | 6.46 | 4.65 | 3.35 | 2.69 | 2.99 | 2.47 | 4.12 | 4.46 | 45.26 |
| Madison | 1.84 | 3.91 | 2.05 | 4.32 | 6.73 | 5.14 | 3.28 | 6.93 | 5.12 | 2.19 | 5.21 | 3.63 | 50.35 |
| Millinocket | 1.57 | 2.98 | 1.64 | 2.39 | 4.01 | 2.93 | 5.68 | 2.35 | 3.38 | 3.34 | 5.33 | 5.23 | 40.83 |
| North Bridgton | 1.67 | 4.36 | 2.51 | 5.04 | 6.45 | 6.95 | 3.58 | 7.83 | 4.84 | 2.15 | 4.25 | 4.50 | 54.13 |
| Orono | 2.50 | 2.61 | 2.45 | 3.63 | 4.42 | 4.99 | 4.39 | 2.27 | 4.60 | 1.85 | 1.60 | 5.50 | 40.90 |
| Patten | 0.70 | 2.40 | 1.50 | 1.54 | 2.80 | 2.80 | 6.20 | 2.80 | 2.60 | 4.70 | 3.80 | 4.90 | 36.74 |
| Portland | 2.15 | 4.30 | 5.22 | 5.56 | 5.64 | 6.32 | 3.82 | 2.14 | 1.47 | 1.29 | 2.93 | 6.09 | 46.83 |
| Presque Isle | 2.20 | 2.35 | 1.10 | 1.75 | 3.44 | 2.17 | 3.68 | 1.70 | 4.04 | 2.37 | 2.85 | 5.90 | 33.55 |
| Rumford | 1.33 | 4.11 | 1.88 | 3.98 | 5.87 | 6.97 | 3.76 | 6.36 | 4.35 | 1.96 | 3.58 | 3.30 | 47.45 |
| Van Buren | 2.69 | 2.20 | 1.80 | 1.40 | 4.85 | 2.25 | 7.34 | 1.69 | 3.33 | 3.27 | 3.36 | 5.61 | 39.79 |
| Winslow | 1.07 | 2.83 | 0.94 | 2.72 | 3.65 | 3.35 | 3.69 | 4.41 | 3.78 | 3.17 | 5.11 | 4.12 | 38.86 |
| *Maryland.* | | | | | | | | | | | | | |
| Annapolis | 1.58 | 5.71 | 3.22 | 2.91 | 2.77 | 5.52 | 4.37 | 2.96 | 4.43 | 1.70 | 1.61 | 4.67 | 41.45 |
| Baltimore | 1.51 | 3.21 | 3.61 | 3.68 | 3.49 | 5.33 | 5.04 | 0.83 | 1.82 | 1.61 | 1.97 | 3.94 | 36.04 |
| Baltimore (Lake Montebello) | 1.36 | 2.79 | 3.26 | 2.69 | 4.85 | 5.62 | 7.96 | 1.30 | 2.84 | 1.31 | 2.13 | 3.95 | 39.86 |
| Cambridge | 1.87 | 3.31 | 2.68 | 3.44 | 4.07 | 3.92 | 6.50 | 0.97 | 3.92 | 1.75 | 2.13 | 4.40 | 38.96 |
| Cheltenham | 1.76 | 3.55 | 2.67 | 3.42 | 5.06 | 7.26 | 4.10 | 1.41 | 3.42 | 1.53 | 2.02 | 4.67 | 40.87 |
| Chewsville | 1.62 | 3.09 | 4.07 | 3.11 | 2.59 | 6.50 | 6.95 | 1.89 | 2.70 | 1.43 | 1.12 | 2.65 | 37.66 |
| Clear Spring | 1.92 | 2.16 | 5.12 | 3.44 | 2.92 | 6.66 | 5.30 | 3.69 | 3.85 | 2.76 | 1.26 | 2.81 | 41.89 |
| Coleman | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.63 | 2.09 | ..... | ..... |
| College Park | ..... | ..... | ..... | ..... | ..... | ..... | 5.53 | 3.21 | 2.04 | 1.84 | 2.33 | 4.29 | ..... |
| Cumberland | 1.47 | 2.33 | 5.61 | 3.05 | 1.94 | 6.27 | 3.32 | 3.40 | 3.94 | 1.57 | 1.28 | 2.32 | 36.50 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Maryland*—Continued.** | | | | | | | | | | | | | |
| Darlington | 1.63 | 3.26 | 5.06 | 3.09 | 2.74 | 5.87 | 6.58 | 1.64 | 3.95 | 1.89 | 1.89 | 4.55 | 42.15 |
| Deer Park | ..... | 3.62 | 5.61 | 3.74 | 3.55 | 5.23 | 4.05 | 4.72 | 5.70 | 3.84 | 1.88 | 4.77 | ..... |
| Denton | 1.23 | 2.85 | 3.08 | 3.05 | 5.29 | 4.03 | 4.49 | 1.01 | 3.49 | 1.71 | 2.09 | 5.00 | 37.32 |
| Easton | 1.16 | 3.47 | 3.26 | 3.00 | 4.19 | 3.30 | 6.83 | 1.54 | 4.22 | 1.50 | 2.42 | 4.45 | 39.34 |
| Eklo | 1.77 | 3.13 | 5.00 | ..... | ..... | ..... | 6.71 | 1.51 | 3.41 | 2.21 | 2.35 | 3.91 | ..... |
| Emmitsburg | 1.53 | 3.45 | 5.72 | 3.60 | 2.53 | 11.74 | 4.76 | 2.45 | 5.08 | 4.05 | 2.05 | 2.76 | 49.72 |
| Fallston | 1.59 | 3.31 | 4.25 | 3.35 | 4.21 | 6.45 | 8.54 | 1.56 | 2.08 | 2.29 | 2.21 | 5.05 | 44.89 |
| Frederick | 1.85 | 3.60 | 4.73 | 2.72 | 3.46 | 10.56 | 6.03 | 1.96 | 4.42 | 2.13 | 1.85 | 3.55 | 46.86 |
| Frostburg | 1.31 | 4.40 | 6.84 | 3.94 | 1.77 | 6.80 | 6.18 | 3.55 | 3.70 | 2.88 | 1.72 | 2.01 | 45.10 |
| Grantsville | 1.89 | 3.64 | 50.3 | 3.68 | 2.40 | 6.49 | 2.78 | 4.92 | 4.15 | 2.28 | 2.87 | 1.19 | 41.32 |
| Great Falls | 1.82 | 3.46 | 2.75 | 3.11 | ..... | 9.21 | 8.66 | 2.47 | 3.02 | 1.53 | 2.73 | 3.56 | ..... |
| Green Spring Furnace | 1.87 | 2.53 | 3.93 | 3.38 | 2.44 | 7.43 | 3.67 | 4.80 | 2.93 | 1.27 | 1.03 | 2.86 | 38.14 |
| Keedysville | 1.21 | 3.46 | 4.13 | 3.61 | 3.39 | 6.94 | 3.74 | 2.89 | 3.07 | 1.61 | 1.66 | 2.72 | 38.43 |
| Laurel | 1.51 | 2.53 | 3.39 | 3.05 | 3.81 | 6.56 | 7.54 | 1.94 | 2.67 | 1.83 | 3.04 | ..... | ..... |
| Leonardtown | 1.45 | 3.08 | 1.87 | 2.62 | 4.35 | 5.56 | 2.78 | ..... | ..... | ..... | ..... | ..... | ..... |
| Monrovia | 1.50 | 2.99 | 3.41 | 2.55 | 3.39 | 8.72 | 7.92 | 2.17 | ..... | 1.86 | 2.49 | 3.22 | ..... |
| Oakland | 4.47 | 3.71 | 5.65 | 3.16 | 3.51 | 5.26 | 2.00 | 5.19 | 4.27 | 3.29 | 1.89 | 3.82 | 46.22 |
| Princess Anne | 2.05 | 3.43 | 2.34 | 3.76 | 6.89 | 4.46 | 5.62 | 1.81 | 3.64 | 2.80 | 4.60 | 3.55 | 44.95 |
| Public Landing | ..... | ..... | 2.21 | 2.96 | 5.79 | 2.46 | 4.11 | 4.00 | 3.49 | 1.75 | 2.96 | 3.01 | ..... |
| Salisbury | 2.39 | 4.07 | 2.73 | 2.79 | 6.35 | 5.52 | 5.56 | 2.68 | 4.52 | 2.31 | 2.64 | 3.98 | 45.54 |
| Solomons | 1.67 | 3.12 | 2.02 | 2.45 | 5.69 | 4.07 | 1.70 | 1.17 | 2.03 | 1.65 | 2.80 | 4.07 | 32.44 |
| State Sanatorium | 2.22 | 3.49 | 5.93 | 2.98 | 3.20 | 9.99 | 5.77 | 2.86 | 3.59 | 3.31 | 1.95 | 3.90 | 49.19 |
| Sudlersville | 1.87 | 3.94 | 4.11 | 3.56 | 3.08 | 4.85 | 5.62 | 2.06 | 2.19 | 1.59 | 2.39 | 5.51 | 40.77 |
| Takoma | 2.21 | 3.33 | 3.26 | 3.30 | 2.61 | 6.10 | 6.41 | 2.39 | 2.16 | 1.41 | 2.49 | 4.12 | 39.79 |
| Towson | 1.61 | 2.95 | 3.51 | 3.29 | 4.85 | 5.61 | 6.59 | 1.03 | 2.26 | 1.81 | 2.33 | 4.01 | 39.85 |
| Union Bridge | 1.58 | 3.02 | 3.87 | 2.04 | 3.51 | 5.91 | 4.98 | 2.51 | 4.13 | 1.26 | 1.91 | 3.79 | 38.51 |
| Van Bibber | 1.49 | 3.12 | 3.67 | 2.92 | 3.00 | 5.14 | 7.96 | 3.24 | 4.06 | 2.01 | 2.72 | ..... | ..... |
| Westernport | 2.47 | 2.41 | 3.68 | 1.69 | 1.62 | 3.69 | 3.48 | 1.74 | 2.14 | 0.96 | 1.41 | 0.85 | 26.14 |
| Woodstock | 1.82 | 3.23 | 3.58 | 3.02 | 3.16 | 4.75 | 7.27 | 2.06 | 3.60 | 1.75 | 2.58 | 3.04 | 39.86 |
| Yarrow (Rockville) | 1.61 | 2.52 | 2.67 | 2.77 | 2.90 | 8.69 | 4.81 | 2.47 | 3.89 | 1.51 | 2.77 | 3.23 | 39.84 |
| ***Massachusetts.*** | | | | | | | | | | | | | |
| Amherst | 2.56 | 5.27 | 3.97 | 3.69 | 3.21 | 4.97 | 6.85 | 2.49 | 5.08 | 1.01 | 3.29 | 2.85 | 45.24 |
| Blue Hill | 1.84 | 5.28 | 4.16 | 5.43 | 3.97 | 5.31 | 7.55 | 2.81 | 1.66 | 1.81 | 1.88 | 3.71 | 45.41 |
| Boston | 1.23 | 5.18 | 3.20 | 4.51 | 2.83 | 5.04 | 5.67 | 2.19 | 1.90 | 0.94 | 1.67 | 3.00 | 37.36 |
| Chestnut Hill | 1.87 | 5.65 | 4.18 | 4.74 | 3.56 | 6.03 | 5.19 | 2.78 | 1.45 | 1.27 | 1.88 | 3.31 | 41.91 |
| Clinton | 1.54 | 6.37 | 4.36 | 3.87 | 3.30 | 6.53 | 5.41 | 2.14 | 4.05 | 1.28 | 2.86 | 2.99 | 44.70 |
| Concord | 1.35 | 5.16 | 3.28 | 4.43 | 2.91 | 4.70 | 3.74 | 2.07 | 2.16 | ..... | 2.07 | 2.57 | 35.49 |
| Fall River | 1.48 | 5.14 | 3.77 | 4.78 | 4.78 | 3.90 | 11.47 | 2.03 | 1.28 | 3.01 | 3.14 | 3.71 | 48.49 |
| Fitchburg | 1.32 | 4.44 | 2.53 | 2.76 | 3.30 | 6.53 | 4.77 | 2.54 | 3.48 | 0.94 | 2.46 | 2.47 | 37.54 |
| Framingham | 1.50 | 5.93 | 3.95 | 4.09 | 3.54 | 4.65 | 5.11 | 2.00 | 1.69 | 1.45 | 2.25 | 3.13 | 39.29 |
| Lawrence | 1.81 | 5.45 | 3.41 | 4.48 | 4.74 | 6.58 | 4.18 | 2.80 | 2.70 | 0.92 | 2.30 | 3.10 | 42.47 |
| Lowell | 1.56 | 6.10 | 3.68 | 5.47 | 4.29 | 7.20 | 6.17 | 2.25 | 3.66 | 1.05 | 2.53 | 3.16 | 47.12 |
| Nantucket | 2.03 | 4.04 | 3.60 | 2.90 | 4.35 | 4.89 | 5.02 | 1.05 | 1.44 | 1.92 | 2.25 | 3.24 | 36.73 |
| New Bedford | 1.61 | 4.21 | 2.89 | 3.76 | 5.53 | 4.70 | 9.39 | 2.09 | 1.68 | 3.37 | 3.24 | ..... | ..... |
| Plymouth | 1.58 | 4.97 | 4.59 | 5.22 | 3.42 | 5.17 | 9.00 | 2.19 | 2.47 | 2.85 | 3.22 | 3.88 | 48.56 |
| Provincetown | 1.30 | 2.91 | 2.88 | 3.70 | 2.42 | 4.50 | 8.65 | 1.41 | 2.62 | 2.57 | 1.05 | 4.10 | 38.11 |
| Rockport | 1.13 | 2.77 | 2.43 | 5.94 | 2.61 | 7.08 | 4.22 | 2.74 | 2.30 | 1.11 | 1.47 | 3.94 | 37.74 |
| Rutland | 1.81 | 6.38 | 3.32 | 3.67 | ..... | ..... | 8.66 | 1.84 | 4.08 | 1.36 | 2.67 | 3.25 | ..... |
| Springfield | 1.40 | 4.99 | 3.22 | 3.49 | 3.04 | 3.98 | 4.58 | 2.31 | 4.54 | 1.32 | 2.70 | 3.08 | 38.65 |
| Turners Falls | 2.38 | 5.40 | 2.98 | 4.08 | 3.22 | 6.04 | 4.74 | 4.19 | 2.98 | 1.41 | 2.91 | 3.46 | 43.79 |
| Westboro | 1.46 | 5.60 | 2.84 | 3.72 | 3.58 | 5.79 | 5.14 | 1.73 | 2.32 | 1.66 | 2.04 | 3.00 | 38.33 |
| Williamstown | 2.05 | 1.53 | 3.51 | 2.48 | 3.52 | 3.62 | 5.30 | 2.45 | 5.20 | 1.79 | 4.24 | 4.28 | 39.97 |
| Worcester | 1.78 | 3.97 | 2.58 | 3.19 | 3.16 | 5.44 | 4.63 | 2.65 | 3.94 | 1.19 | 2.20 | 2.93 | 37.11 |
| ***Michigan.*** | | | | | | | | | | | | | |
| Adrian | 2.92 | ..... | 2.11 | 0.66 | 4.47 | 3.29 | 0.25 | ..... | ..... | 2.67 | 1.35 | 3.17 | ..... |
| Albion | 3.60 | 0.47 | 3.40 | 1.42 | 5.97 | 5.31 | 1.17 | 6.48 | 2.30 | 2.46 | 1.65 | 1.84 | 36.07 |
| Allegan (No. 1) | ..... | 1.01 | 1.35 | 1.84 | 3.75 | 6.50 | 1.65 | ..... | ..... | 2.62 | ..... | 2.00 | ..... |
| Allegan (No. 2) | ..... | 0.91 | 2.53 | 2.29 | 2.82 | 5.47 | 1.65 | 3.28 | 4.15 | 3.51 | 2.73 | 2.70 | ..... |
| Alma (No. 1) | 3.72 | 1.77 | 3.44 | 2.32 | 5.88 | 5.43 | 0.56 | 1.08 | 1.39 | 3.59 | 2.10 | 1.97 | 33.25 |
| Alma (No. 2) | ..... | ..... | 2.07 | 2.13 | 6.02 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alpena | 2.00 | 0.86 | 3.46 | 3.01 | 3.53 | 3.67 | 0.26 | 1.61 | 1.50 | 3.34 | 2.15 | 2.24 | 27.63 |
| Alpena (near) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.35 | 1.66 | ..... |
| Ann Arbor | 4.08 | 0.97 | 3.39 | 1.67 | 5.06 | 5.47 | 1.12 | 2.22 | 3.00 | 1.85 | 3.29 | 3.45 | 35.57 |
| Ann Arbor (near) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.87 | ..... |
| Arbela | 3.21 | 1.52 | 3.17 | 1.73 | 5.16 | 3.01 | 1.44 | 2.48 | 2.42 | 3.39 | 2.11 | 1.55 | 31.19 |
| Armada | 3.29 | 1.00 | 3.05 | 1.86 | 5.69 | 4.12 | 0.10 | 1.50 | 1.62 | 2.84 | 1.52 | 1.17 | 27.76 |
| Baraga | ..... | ..... | 2.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Battle Creek (No. 1) | 5.15 | 0.51 | 3.04 | 1.55 | 4.96 | 8.08 | 0.05 | 3.91 | 3.87 | 3.32 | 1.74 | 2.40 | 37.78 |
| Battle Creek (No. 2) | ..... | 0.70 | 3.40 | ..... | 5.17 | 6.50 | 0.00 | 3.11 | 3.71 | 3.15 | 2.00 | 2.01 | ..... |
| Bay City | 2.54 | 0.99 | 3.17 | 0.88 | 6.06 | 3.06 | 0.89 | 0.92 | 1.59 | 2.50 | 2.17 | 2.57 | 27.43 |
| Benzonia | 3.86 | 2.94 | 4.46 | 2.01 | 4.38 | 2.49 | 2.28 | 3.58 | 3.86 | 6.01 | 4.37 | 3.96 | 44.20 |
| Bergland | 4.65 | 2.79 | 4.07 | 3.30 | 2.06 | 5.66 | 1.28 | 4.70 | 4.88 | 3.08 | 1.54 | 2.13 | 40.14 |
| Big Rapids | 2.83 | 0.74 | 2.62 | 2.02 | 4.32 | 4.17 | 0.66 | 1.39 | 1.97 | 3.38 | 2.64 | 1.34 | 28.08 |
| Bloomingdale | 3.22 | 1.56 | 1.45 | 2.70 | 3.29 | 5.11 | 0.06 | 2.39 | 5.29 | 2.92 | 3.87 | 1.45 | 33.31 |
| Bridgeport | ..... | ..... | 2.67 | 1.98 | 4.99 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cadillac | 2.07 | 0.87 | 2.65 | 2.46 | 3.69 | 3.50 | 0.81 | 3.39 | 2.43 | 3.95 | 2.83 | 1.62 | 30.27 |
| Calumet | 4.38 | 1.87 | 2.48 | 4.71 | 4.60 | 6.26 | 1.27 | 3.70 | 7.25 | 3.19 | 0.90 | 3.76 | 44.37 |
| Cassopolis | 5.38 | 0.89 | 4.12 | 1.54 | 5.18 | 5.91 | 0.90 | 1.90 | 5.23 | 4.19 | 2.15 | 1.95 | 39.37 |
| Ceresco | 3.16 | 0.48 | ..... | 1.28 | 2.37 | 5.60 | 0.04 | 1.92 | 2.73 | 2.01 | 1.21 | 1.21 | ..... |
| Charlevoix | 3.05 | 1.20 | 1.80 | 1.73 | 4.64 | ..... | 1.98 | 2.58 | 1.57 | 5.18 | 3.27 | 2.60 | ..... |
| Charlotte | 2.28 | 0.50 | 2.00 | 1.28 | 4.14 | 5.25 | 0.00 | 2.22 | 2.60 | 1.92 | 1.22 | 1.35 | 24.86 |
| Chatham | ..... | 1.50 | ..... | 3.87 | ..... | 7.30 | 2.40 | 1.37 | 0.24 | 4.72 | ..... | ..... | ..... |
| Cheboygan | 3.08 | 1.24 | ..... | 2.20 | 4.21 | ..... | ..... | ..... | 2.52 | 3.03 | 2.69 | 2.79 | ..... |
| Chesaning | ..... | ..... | 2.31 | 1.05 | 4.37 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Clinton | 3.91 | 0.38 | 2.99 | 0.78 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Coldwater | 4.60 | 0.44 | 2.72 | 1.12 | 7.41 | 5.32 | 0.85 | 2.13 | 4.05 | 2.42 | 1.99 | 2.60 | 35.65 |
| Cooke Site | 2.50 | 1.60 | 4.96 | 2.97 | 3.02 | 4.44 | 0.31 | 2.97 | 2.56 | 2.95 | 2.62 | 2.38 | 33.28 |
| Croton | 3.38 | 1.00 | 2.58 | 2.35 | 4.35 | 5.95 | 2.16 | 2.04 | 2.40 | 3.52 | 2.36 | 2.36 | 34.45 |
| Deer Park | 3.20 | 2.25 | 2.50 | 1.04 | 3.56 | 3.32 | 1.42 | 1.16 | 9.03 | 4.26 | 2.04 | 2.35 | 36.63 |
| Detroit | 4.31 | 0.97 | 3.92 | 2.29 | 5.08 | 3.00 | 0.99 | 2.98 | 2.74 | 2.48 | 1.21 | 2.24 | 32.21 |
| Durand | 2.98 | 1.52 | 3.61 | ..... | 3.01 | 4.03 | 1.44 | 1.71 | 2.11 | 2.75 | 1.81 | 1.48 | ..... |
| Eagle Harbor | ..... | 2.17 | 6.10 | 4.93 | 2.31 | 5.52 | 1.84 | 3.59 | 3.77 | 2.10 | 0.55 | 2.98 | ..... |
| East Tawas | 2.49 | 1.90 | 3.40 | 2.54 | 3.28 | 5.15 | 0.52 | 4.83 | 2.31 | 4.23 | ..... | 2.64 | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Michigan*—Continued. | | | | | | | | | | | | | |
| Eaton Rapids | | | 2.66 | 1.08 | 4.48 | | | | | | | | |
| Eloise | 3.87 | 0.78 | | 1.61 | 5.08 | 5.24 | 0.76 | 1.70 | 1.75 | 2.62 | 1.50 | 1.43 | |
| Escanaba | 2.12 | 0.63 | 3.05 | 2.34 | 3.22 | 6.01 | 2.32 | 2.13 | 5.07 | 3.55 | 0.49 | 1.38 | 32.34 |
| Ewen | 4.40 | 1.35 | 5.30 | 4.32 | 1.47 | 4.98 | 1.45 | 5.21 | 5.72 | 3.61 | 2.29 | 2.13 | 42.23 |
| Five Channels | 2.70 | 1.60 | 4.73 | 3.07 | 3.02 | 5.51 | 0.56 | 3.25 | 2.31 | 2.84 | 2.70 | 2.28 | 34.57 |
| Flint (No. 1) | 2.95 | 0.69 | 2.85 | 1.51 | 5.11 | 3.10 | 2.61 | 4.58 | 2.72 | 3.34 | 1.85 | 1.51 | 32.82 |
| Flint (No. 2) | | | 2.26 | 1.51 | 5.05 | | | | | | | | |
| Fosters | | | 3.21 | 1.74 | 4.90 | | | | | | | | |
| Frankfort | 3.68 | 1.50 | 3.03 | 2.10 | 4.09 | 4.11 | 3.04 | 4.20 | 3.73 | 6.19 | 5.00 | 3.01 | 43.68 |
| Ganges | 4.20 | 0.56 | 2.02 | 3.73 | 3.31 | 4.84 | 0.48 | 3.25 | 5.24 | 3.44 | 2.55 | 2.39 | 36.01 |
| Gaylord | 1.61 | | | | | | 0.50 | | | | | | |
| Grand Haven | 3.78 | 0.80 | 2.59 | 2.17 | 4.12 | 6.07 | 0.19 | 5.30 | 4.28 | 3.30 | 2.37 | 2.78 | 37.75 |
| Grand Ledge (No. 1) | | | 4.27 | 1.30 | 4.49 | | | | | | | | |
| Grand Ledge (No. 2) | 2.85 | 0.50 | 2.90 | 1.85 | 5.20 | 5.51 | 0.11 | 1.45 | 2.92 | 4.42 | 1.94 | 1.45 | 31.10 |
| Grand Marais | | 1.89 | 2.20 | 1.35 | | | 1.40 | 0.85 | 7.90 | 5.02 | 2.35 | 3.20 | |
| Grand Rapids (No. 1) | 3.90 | 0.74 | 3.16 | 2.52 | 4.13 | 6.56 | 1.07 | 4.41 | 2.43 | 3.73 | 2.12 | 3.81 | 38.58 |
| Grand Rapids (No. 2) | 4.86 | 1.34 | 3.12 | 2.54 | 3.74 | 6.23 | 0.74 | 3.43 | 3.00 | 3.45 | 1.35 | 2.78 | 36.58 |
| Grape | 3.68 | 0.40 | 2.63 | 1.20 | 4.84 | 4.73 | 0.19 | 1.18 | 2.35 | | 1.70 | | |
| Grayling | 2.43 | 1.09 | 2.63 | 2.41 | 3.42 | 3.65 | 0.22 | | 2.87 | 4.36 | 2.59 | 2.79 | |
| Greenville | 2.10 | 1.02 | | 2.70 | 5.65 | 4.98 | 0.29 | 2.05 | 1.59 | | 1.38 | 1.55 | |
| Hamburg | | | | | | | | | | | 1.96 | 2.52 | |
| Harbor Beach | 1.93 | 1.05 | | | 3.99 | 2.66 | 0.80 | 3.00 | 2.32 | 2.90 | | | |
| Harrison | 1.30 | 1.40 | | | 3.39 | 2.63 | 2.92 | | | 3.69 | 3.03 | | |
| Harrisville | 1.39 | 0.89 | 4.15 | 2.64 | 3.14 | 3.15 | 0.43 | 1.80 | 1.58 | 3.32 | 2.38 | 2.43 | 27.30 |
| Hart | 3.92 | 1.10 | | 1.63 | 3.83 | 4.94 | 3.26 | 2.50 | 3.11 | 4.25 | 2.37 | 2.84 | |
| Hastings | 4.29 | 0.45 | 4.07 | | 3.94 | 6.20 | 0.00 | 3.90 | 2.80 | 3.10 | 2.88 | 2.92 | |
| Highland | 4.58 | 1.60 | 3.78 | 1.49 | 6.89 | 2.89 | 3.48 | 3.00 | 1.85 | 3.04 | 2.01 | 2.17 | 36.78 |
| Hillsdale | 4.11 | 0.36 | 3.89 | 1.26 | 4.31 | 6.53 | 0.14 | 2.72 | 3.69 | 2.38 | 1.46 | 3.72 | 34.57 |
| Holland | 3.77 | 0.86 | 2.92 | 2.19 | 4.00 | 5.03 | 0.13 | 4.25 | 6.04 | 3.34 | 2.33 | 3.47 | 38.33 |
| Houghton | 5.14 | 1.07 | 2.56 | 4.49 | 3.53 | 5.34 | 1.05 | 2.94 | 6.17 | 2.82 | 1.17 | 2.29 | 38.57 |
| Houghton Lake (near) | | | | | | | | | | 3.06 | | 1.05 | |
| Howard City | 3.78 | 1.01 | 2.86 | 2.83 | 5.46 | 6.14 | 1.61 | 2.45 | 2.98 | 4.07 | 1.85 | 1.59 | 36.63 |
| Howell | 4.07 | 0.56 | 2.64 | 3.05 | 5.02 | 2.21 | 2.72 | | 1.65 | | 1.78 | 1.37 | |
| Humboldt | 1.60 | 0.20 | 4.08 | 3.07 | 2.65 | 6.30 | 2.90 | | 6.66 | 3.20 | 2.14 | 1.55 | |
| Ions | | | 3.16 | 1.66 | 5.06 | | | | | | | | |
| Iron Mountain | 1.87 | 0.31 | 2.65 | 2.81 | 3.43 | 9.57 | 2.52 | 2.87 | 4.41 | 4.12 | 1.42 | 0.66 | 36.64 |
| Iron River | 3.40 | 0.70 | 3.03 | 4.06 | 2.98 | 7.09 | 1.96 | 4.93 | 8.67 | 3.85 | 1.97 | 1.63 | 44.27 |
| Ironwood | 4.20 | 0.46 | 2.60 | 5.23 | 2.11 | 6.44 | 2.55 | 5.14 | 5.71 | 3.08 | 2.25 | 1.89 | 41.66 |
| Ishpeming | 3.04 | 0.38 | 2.41 | 3.98 | 2.63 | 6.67 | 2.50 | 1.24 | 6.41 | 4.42 | 1.79 | 1.35 | 36.82 |
| Ivan | 1.66 | 1.16 | 2.82 | 2.39 | 3.57 | 4.26 | 0.71 | 3.77 | 2.87 | 4.81 | 2.98 | 1.97 | 32.97 |
| Jackson (No. 1) | 3.60 | 0.64 | 3.06 | 1.42 | 6.25 | 4.73 | 2.19 | 2.59 | 2.45 | 2.38 | 1.67 | 3.21 | 34.19 |
| Jackson (No. 2) | 3.44 | | 1.38 | 1.31 | 5.95 | 4.26 | 2.12 | 2.72 | 2.69 | 1.03 | 2.58 | 3.05 | |
| Jeddo | 3.22 | 2.17 | 1.92 | 2.01 | 5.87 | 2.46 | 0.07 | 1.11 | 1.75 | 2.18 | 1.50 | 2.22 | 26.48 |
| Johannesburg | 1.54 | 1.03 | 2.04 | 3.51 | 4.25 | 5.79 | 1.02 | 2.33 | | 3.60 | 3.13 | 2.05 | |
| Kalamazoo (No. 1) | 3.05 | 0.85 | 1.40 | 1.58 | 5.40 | 7.81 | 0.35 | 2.51 | 5.16 | 2.51 | 3.87 | 3.53 | 38.02 |
| Kalamazoo (No. 2) | 3.78 | 0.50 | 1.92 | 1.60 | 4.61 | 7.26 | 0.05 | 2.06 | 3.22 | 2.93 | 1.91 | 2.74 | 32.58 |
| Lansing | 3.11 | 0.69 | 3.09 | 1.91 | 5.13 | 5.39 | 0.09 | 1.58 | 2.17 | 2.53 | 1.68 | 2.11 | 29.48 |
| Lapeer | | 0.75 | | 2.40 | 6.00 | 3.72 | 0.77 | 1.67 | 2.82 | 2.57 | 1.13 | 0.95 | |
| Loud | 1.90 | 1.43 | 2.90 | 2.92 | 2.91 | 5.10 | 0.42 | 2.74 | 1.99 | 2.50 | 2.53 | 2.32 | 29.66 |
| Lowell (No. 1) | | | 2.72 | 2.40 | 5.11 | | | | | | | | |
| Lowell (No. 2) | 3.58 | 0.73 | 3.41 | 2.22 | 5.23 | 6.51 | 2.26 | 2.32 | 2.17 | 2.87 | 2.08 | 2.94 | 36.32 |
| Ludington | 3.33 | 1.28 | 3.29 | 2.32 | 4.18 | 3.94 | 1.54 | 1.87 | 2.95 | 3.94 | 2.86 | 3.48 | 34.98 |
| Luther | 2.05 | | | | | 3.77 | 1.09 | 1.81 | 2.60 | 4.41 | 3.56 | 2.21 | |
| Mackinac Island | 1.84 | 1.05 | 1.70 | | | | 1.04 | 1.56 | 1.78 | 4.13 | | 1.75 | |
| Mackinaw | 1.65 | 0.20 | 1.80 | 4.24 | 4.18 | 3.14 | 2.69 | 1.16 | 1.16 | | | 2.66 | |
| Manceloua | 2.40 | | 1.52 | 3.41 | 2.57 | 4.54 | 0.58 | 2.39 | | 6.57 | 2.63 | 2.42 | |
| Manistee | 2.68 | 1.40 | 1.55 | 2.52 | 3.23 | 3.79 | 2.03 | 2.80 | 3.31 | 4.33 | 3.00 | | |
| Maple Ridge | 1.10 | 0.60 | 2.30 | 3.06 | 4.05 | 7.83 | 0.92 | 2.26 | 7.36 | 5.39 | 1.16 | 1.30 | 37.33 |
| Marquette | 3.05 | 1.34 | 3.36 | 3.51 | 1.78 | 7.26 | 1.74 | 0.99 | 5.74 | 4.89 | 2.48 | 3.09 | 39.23 |
| Menominee | | 1.00 | 1.97 | 2.49 | 3.14 | 5.92 | 1.78 | 2.49 | 3.69 | 4.13 | 1.57 | 1.15 | |
| Midland (No. 1) | 2.46 | 1.10 | | | 3.90 | | | | | | 1.79 | 1.19 | |
| Midland (No. 2) | | | 2.70 | 1.02 | 4.01 | | | | | | | | |
| Morenci | 5.00 | 0.22 | 2.88 | 0.83 | 4.11 | 5.08 | 1.62 | 2.04 | 1.89 | 2.36 | 1.99 | 2.44 | 30.46 |
| Mount Clemens | 2.20 | 0.75 | 4.11 | 3.52 | 4.06 | 4.09 | 0.28 | 2.91 | 2.31 | 2.33 | 1.35 | 2.58 | 30.49 |
| Mount Pleasant (No. 1) | | | | | | | | | | 2.39 | 1.92 | 1.94 | |
| Mount Pleasant (No. 2) | | | 2.76 | 2.45 | 5.89 | | | | | | | | |
| Munising | 3.49 | 2.05 | 1.43 | 2.81 | 2.60 | 7.38 | 2.65 | 1.68 | 6.60 | 5.84 | 3.80 | 3.16 | 43.49 |
| Muskegon | 3.80 | 2.23 | 2.56 | 2.60 | 4.25 | 5.20 | 0.11 | 3.47 | 4.45 | 2.99 | 1.84 | 2.80 | 36.30 |
| Newberry | 3.05 | 1.03 | 2.00 | 1.93 | 3.84 | 4.43 | 2.19 | 1.37 | 6.03 | 6.09 | 1.39 | 2.17 | 35.52 |
| Old Mission | 2.80 | 1.15 | 2.48 | 1.84 | 4.62 | 3.62 | 0.83 | 3.11 | 3.27 | 5.07 | 3.09 | 2.23 | 34.11 |
| Olivet | 2.64 | 0.92 | 2.87 | 1.75 | 3.99 | 4.95 | 0.10 | 1.56 | 2.25 | 3.14 | 1.84 | 1.39 | 27.39 |
| Omer | 1.68 | 1.05 | 1.45 | 0.61 | | | | | | | | | |
| Onaway (near) | 3.55 | | 3.35 | 1.78 | | | | 1.42 | 1.53 | 4.24 | 3.22 | 2.59 | |
| Otsego | 5.02 | 1.28 | 2.40 | 2.41 | 3.89 | 5.14 | 0.17 | 3.95 | 5.10 | 3.21 | 2.17 | 2.61 | 37.35 |
| Owosso (No. 1) | 3.06 | | 2.91 | 1.32 | 4.24 | 4.56 | 0.40 | 2.15 | 1.50 | 2.63 | | 1.00 | |
| Owosso (No. 2) | | | 3.47 | 1.30 | 4.62 | | | | | | | | |
| Paines | | | 3.33 | 1.38 | 5.35 | | | | | | | | |
| Petoskey | 2.65 | 1.75 | 3.60 | 2.75 | 5.73 | 3.99 | 1.05 | 1.18 | 3.11 | 6.10 | 5.01 | 3.00 | 39.92 |
| Plainwell | 4.31 | | 1.85 | 1.54 | 2.61 | 3.32 | 0.16 | 4.41 | 5.04 | 1.92 | 2.10 | 2.09 | |
| Plymouth | 4.20 | 0.40 | | 1.20 | | 3.30 | 0.03 | | 2.70 | | 1.20 | | |
| Pontiac | 3.08 | 0.64 | 2.87 | 1.96 | 5.00 | 3.93 | 1.59 | 1.23 | 1.44 | 2.26 | 1.09 | 1.50 | 26.57 |
| Port Austin | 4.26 | 1.95 | 3.47 | 2.50 | 4.34 | 3.04 | T. | 1.74 | 1.90 | 2.89 | 2.94 | 2.28 | 31.31 |
| Port Huron | 3.18 | 1.09 | 2.14 | 1.83 | 4.70 | 2.41 | 2.47 | 1.95 | 1.23 | 2.15 | 1.08 | 1.35 | 25.56 |
| Portland | | | 3.66 | 1.88 | 5.61 | | | | | | | | |
| Reed City | 4.72 | 0.92 | 3.11 | 2.11 | 4.42 | 4.66 | 0.57 | 1.15 | 1.73 | 4.00 | 4.13 | 1.95 | 33.47 |
| Rogers | 3.23 | 1.47 | 2.37 | 2.56 | 6.09 | 6.01 | 1.63 | 1.81 | 2.52 | 3.53 | 2.43 | 1.86 | 35.51 |
| Roscommon | 1.70 | 0.90 | 4.40 | 3.87 | 5.05 | 4.94 | 0.74 | 3.67 | 2.17 | 3.59 | 3.02 | 1.80 | 35.85 |
| Saginaw (No. 1) | 2.51 | 0.85 | 3.26 | 1.43 | 4.37 | 2.68 | 0.82 | 1.25 | 1.51 | 2.69 | 1.58 | 2.10 | 25.05 |
| Saginaw (No. 2) | 2.32 | | 2.90 | 1.52 | 5.24 | 3.17 | 0.71 | 1.56 | 2.54 | 3.39 | 2.12 | 2.08 | |
| St. Ignace | | 0.35 | 3.00 | 1.70 | | | 0.80 | | 4.45 | 3.20 | 2.10 | 1.21 | |
| St. James | 2.34 | 0.70 | 1.85 | 2.04 | 3.94 | 3.61 | 3.02 | 1.45 | 3.58 | 5.34 | 1.28 | 2.81 | 31.96 |
| St. Joseph | 5.40 | 2.20 | 3.91 | 3.91 | 7.01 | 4.01 | 0.51 | 2.92 | 3.57 | 2.07 | 2.35 | 3.58 | 41.44 |
| Sandusky | 1.39 | 1.26 | 1.65 | 2.49 | 5.24 | 2.33 | 0.60 | 1.47 | 2.39 | 2.69 | | 1.42 | |
| Saranac | 3.37 | 0.83 | 3.23 | 2.16 | 5.56 | 5.85 | 0.35 | 2.80 | 2.52 | 3.13 | 2.19 | | |
| Sault Ste. Marie | 3.18 | 0.57 | 2.01 | 3.18 | 3.17 | 4.15 | 0.81 | 3.18 | 9.35 | 5.49 | 2.62 | 3.31 | 41.02 |
| Seney | 1.00 | 0.61 | 1.70 | 1.02 | 3.79 | 3.28 | 1.88 | 1.16 | 6.70 | 4.70 | 2.40 | 1.99 | 30.23 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Michigan*—Continued. | | | | | | | | | | | | | |
| Sidnaw | 3.71 | 0.52 | 2.39 | 4.44 | 5.23 | 5.53 | 3.39 | 3.74 | 9.94 | 5.47 | 1.89 | 1.80 | 48.05 |
| South Haven | 3.15 | 1.15 | 2.30 | ..... | ..... | 4.72 | 0.60 | 2.46 | 3.88 | 3.09 | 2.18 | 2.99 | ..... |
| Stronach | 3.36 | 2.50 | 2.72 | 3.15 | 3.23 | 3.72 | 0.77 | 1.22 | 3.05 | 3.57 | 3.60 | 3.03 | 33.92 |
| Traverse City | 3.55 | 1.60 | 3.50 | 2.20 | 3.85 | 2.55 | 2.40 | 2.85 | 2.27 | 4.37 | 3.69 | 2.15 | 34.98 |
| Trowbridge | 3.95 | 1.20 | ..... | 2.10 | 3.26 | 3.96 | 0.87 | 1.28 | 3.94 | 3.06 | 2.24 | 2.52 | ..... |
| Vassar (No. 1) | 2.00 | 1.52 | ..... | 1.16 | 4.78 | 2.37 | 0.91 | 1.16 | 1.69 | 3.46 | 1.77 | 1.78 | ..... |
| Vassar (No. 2) | ..... | ..... | 1.14 | 1.38 | 5.22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Victoria | 5.39 | 2.21 | 3.22 | 4.29 | 1.80 | 5.98 | 0.85 | 5.59 | 5.93 | 3.62 | 1.56 | 1.47 | 41.91 |
| Wasepi | 5.67 | 1.03 | 3.86 | 1.19 | 7.66 | 8.00 | 0.00 | 3.02 | 4.86 | 2.47 | 1.90 | 2.73 | 42.39 |
| Watersmeet | 2.55 | ..... | 2.95 | 2.90 | 1.54 | ..... | ..... | ..... | ..... | 3.47 | ..... | ..... | ..... |
| Webber Dam | 2.91 | ..... | 3.91 | 1.75 | 5.47 | 5.41 | 0.17 | 1.15 | 1.24 | 2.02 | 1.95 | 2.08 | ..... |
| West Branch (near) | 2.80 | 0.60 | 1.85 | ..... | ..... | ..... | 0.30 | 2.97 | 2.47 | 4.39 | 2.99 | 2.11 | ..... |
| Whitefish Point | ..... | ..... | ..... | 2.78 | 3.92 | 4.35 | 0.99 | 2.63 | 10.63 | 6.10 | 2.31 | 4.48 | ..... |
| Ypsilanti | 4.28 | 0.75 | 3.76 | 1.46 | 5.12 | 3.64 | 0.10 | 2.49 | 3.29 | 2.58 | 1.85 | 2.55 | 31.87 |
| *Minnesota.* | | | | | | | | | | | | | |
| Ada | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.21 | 3.97 | 0.25 | T. | 1.30 | ..... |
| Albert Lea | 2.45 | 0.39 | 1.07 | 5.45 | 4.14 | 4.42 | 2.85 | 2.75 | 4.95 | 1.60 | 2.30 | 0.67 | 33.04 |
| Alexandria | 1.42 | 0.44 | 3.04 | 1.49 | 4.39 | 6.09 | 3.37 | 6.71 | 3.88 | 0.85 | 0.04 | 1.16 | 32.88 |
| Angus | 1.52 | 0.37 | 0.93 | 1.30 | 2.04 | 3.67 | 2.91 | 5.15 | 2.07 | 0.59 | T. | 1.35 | 21.90 |
| Argyle | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.73 | 1.19 | 1.23 | T. | 1.19 | ..... |
| Bagley | 1.40 | 0.39 | 1.62 | 1.95 | 4.09 | 4.86 | 2.40 | 3.48 | 3.14 | 1.56 | 0.10 | 1.18 | 26.17 |
| Baudette | 1.16 | 0.30 | 1.62 | 2.67 | 3.68 | 2.35 | 1.00 | 5.09 | 3.23 | 2.97 | 0.10 | 2.00 | 26.17 |
| Beardsley | 2.90 | 0.40 | 2.28 | 2.03 | 3.48 | 6.80 | 3.89 | 4.44 | 1.57 | 0.15 | 0.00 | 2.00 | 29.94 |
| Bemidji | 1.28 | 0.42 | 1.86 | 1.65 | 3.66 | 4.50 | 3.99 | 7.22 | 2.57 | 0.96 | T. | 1.05 | 29.16 |
| Bird Island | 2.02 | 0.44 | 1.16 | 2.01 | 5.21 | 7.56 | 2.81 | 2.89 | 2.07 | 1.90 | 0.03 | 0.88 | 28.98 |
| Brainerd | 2.40 | 0.41 | 2.03 | 1.97 | 4.13 | 6.34 | 1.02 | 4.09 | 4.95 | 1.43 | 0.23 | 0.65 | 29.65 |
| Caledonia | ..... | 1.28 | 0.75 | 3.32 | 2.20 | 5.04 | 2.30 | 4.32 | 4.37 | 2.76 | 1.36 | 1.20 | ..... |
| Campbell | 2.31 | 0.35 | 2.34 | 3.67 | 4.25 | 5.06 | 6.17 | 6.40 | 4.33 | 0.38 | 0.13 | 0.90 | 36.27 |
| Canby | ..... | ..... | 1.64 | 3.11 | 5.86 | 4.76 | 1.35 | 4.31 | 1.51 | 0.70 | T. | 0.70 | ..... |
| Cass Lake | 1.51 | 0.37 | 1.67 | 1.70 | 4.09 | 4.29 | 2.86 | 8.51 | 6.52 | 1.39 | 0.01 | 0.52 | 33.44 |
| Chatfield | 1.75 | 0.68 | 0.89 | 4.14 | 4.75 | 4.16 | 5.87 | 1.87 | 3.57 | 1.88 | 1.89 | 0.73 | 32.18 |
| Cloquet | 4.10 | 0.53 | 2.91 | 4.25 | 3.96 | 6.82 | 1.64 | 4.11 | 2.83 | 1.75 | 0.08 | 0.87 | 33.85 |
| Collegeville | 2.10 | 0.19 | 1.26 | 1.17 | 5.75 | 4.97 | 2.28 | 4.04 | 3.39 | 0.82 | T. | 0.84 | 26.81 |
| Crookston (No. 1) | 1.97 | 0.53 | 2.12 | 1.77 | 2.75 | 4.18 | 2.24 | 3.55 | 3.58 | 0.67 | 0.02 | 1.62 | 25.00 |
| Crookston (No. 2) | 1.40 | T. | 1.71 | 1.32 | 2.63 | 4.48 | 1.91 | 4.01 | 3.28 | 0.71 | 0.05 | 0.93 | 22.43 |
| Crystal Bay | ..... | ..... | ..... | ..... | 6.94 | 5.98 | 3.90 | 2.58 | 3.03 | ..... | ..... | ..... | ..... |
| Detroit | 1.35 | 0.59 | 1.77 | 1.71 | 2.77 | 6.67 | 4.24 | 8.08 | 5.10 | 0.71 | 0.01 | 0.86 | 33.86 |
| Duluth | 3.48 | 0.36 | 2.48 | 3.27 | 3.57 | 5.81 | 1.19 | 3.37 | 4.25 | 1.13 | 0.09 | 0.38 | 29.38 |
| Duluth (near) | 2.97 | 0.33 | 2.33 | 3.67 | 4.76 | 6.06 | ..... | 3.27 | 4.60 | ..... | 0.11 | 1.00 | ..... |
| Fairmont | 2.20 | 0.45 | 2.06 | 3.05 | 4.14 | 3.94 | 2.32 | 2.39 | 2.94 | 1.80 | 2.14 | 1.26 | 28.69 |
| Faribault | 2.18 | 0.61 | 0.65 | 3.98 | 4.82 | 5.16 | 5.87 | 1.80 | 2.38 | 1.21 | 0.43 | 1.06 | 30.15 |
| Farmington | 2.76 | 0.32 | 0.84 | 2.36 | 4.09 | 4.58 | 1.23 | 0.99 | 2.51 | 0.90 | 1.00 | 0.89 | 22.47 |
| Fergus Falls | 2.73 | 0.77 | 2.25 | 2.77 | 3.67 | 6.08 | 3.30 | 4.99 | 3.33 | 0.31 | 0.16 | 1.55 | 31.91 |
| Fort Ripley | 1.89 | 0.60 | 1.06 | 1.46 | 4.77 | 4.83 | 2.95 | 5.01 | 4.01 | 1.14 | 0.22 | 0.67 | 28.61 |
| Fosston | 0.95 | 0.24 | 1.10 | 1.59 | 2.10 | 3.54 | 2.96 | 1.61 | 2.51 | 0.48 | 0.00 | ..... | ..... |
| Glencoe | 2.10 | 0.10 | 1.15 | 1.98 | 5.47 | 7.12 | 3.26 | 1.64 | 2.39 | 1.81 | 0.24 | 0.93 | 28.19 |
| Grand Marais | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.01 | 1.38 | ..... |
| Grand Meadow | 2.44 | 0.79 | 1.10 | 4.51 | 4.78 | 4.13 | 3.59 | 1.41 | 5.51 | 1.92 | 2.49 | 0.87 | 33.54 |
| Grand Rapids | 1.66 | 0.24 | 1.38 | 3.52 | 3.80 | 3.87 | 1.89 | 4.22 | 2.87 | 1.80 | 0.24 | 0.77 | 26.26 |
| Gull Lake Dam | 1.42 | 0.49 | 1.64 | 1.61 | 4.52 | 6.99 | 2.13 | 4.65 | 5.31 | 1.04 | 0.15 | 0.53 | 30.48 |
| Hallock | 1.95 | 0.97 | 1.80 | 1.12 | 2.88 | 4.77 | 1.70 | 2.32 | 1.17 | 2.04 | T. | 1.25 | 21.37 |
| Halstead | 2.10 | 0.35 | 1.16 | 3.11 | 2.94 | 5.21 | 4.26 | ..... | ..... | ..... | ..... | ..... | ..... |
| Hinckley | 2.60 | 0.80 | 1.25 | 3.05 | 4.80 | 6.30 | 2.47 | 2.77 | 2.35 | ..... | ..... | ..... | ..... |
| Hutchinson | ..... | ..... | ..... | ..... | ..... | ..... | 1.85 | 2.29 | 2.48 | 1.83 | 0.06 | 0.69 | ..... |
| International Falls | 2.21 | 0.17 | 1.99 | 3.30 | 3.77 | 3.35 | 2.61 | 4.46 | 4.20 | ..... | 0.34 | ..... | ..... |
| Itasca State Park | 2.00 | 0.20 | 2.46 | 1.61 | 2.12 | 3.82 | 2.15 | 8.16 | 2.04 | 0.85 | T. | 1.05 | 26.46 |
| Lake Crystal | ..... | ..... | 1.42 | ..... | 5.30 | 5.38 | 7.97 | 2.52 | 2.88 | 1.06 | 1.44 | 0.80 | ..... |
| Leech Lake Dam | 2.26 | 0.60 | 2.11 | 2.32 | 2.83 | 3.87 | 2.23 | 7.37 | 2.22 | 1.41 | 0.01 | 0.42 | 27.65 |
| Little Falls | 3.05 | 0.65 | ..... | 1.75 | 5.20 | 4.96 | 3.18 | 5.74 | 4.85 | 1.63 | 0.10 | 0.75 | ..... |
| Littlefork | 1.80 | 0.25 | 0.43 | 2.58 | 3.09 | 3.37 | 0.83 | ..... | ..... | 2.67 | ..... | ..... | ..... |
| Long Prairie | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.09 | 0.27 | 0.99 | ..... |
| Lynd | 1.72 | 0.56 | 1.66 | 2.60 | 5.69 | 4.52 | 1.32 | 2.66 | 1.23 | 1.90 | T. | 1.15 | 25.01 |
| Mankato | 2.09 | 0.70 | 1.10 | 3.52 | 5.46 | 5.83 | 6.40 | 2.97 | 3.42 | 1.29 | 1.31 | 0.96 | 35.05 |
| Mapleplain | 3.38 | 0.43 | 1.74 | 2.35 | 7.08 | 7.05 | 3.06 | 3.35 | 2.83 | 1.73 | 0.30 | 0.99 | 34.29 |
| Meadowlands | 2.28 | 0.29 | 1.02 | ..... | 2.39 | 5.38 | 3.10 | 4.20 | 3.19 | 1.60 | 0.34 | 0.41 | ..... |
| Milaca | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.82 | 1.02 | T. | 0.08 | ..... |
| Milan | 3.95 | 1.17 | 1.35 | 2.86 | 4.10 | 4.48 | 1.54 | 3.57 | 1.99 | 1.05 | T. | 1.44 | 27.50 |
| Minneapolis (No. 1) | 2.88 | 0.32 | 1.19 | 3.07 | 6.97 | 4.54 | 1.27 | 1.66 | 2.42 | 1.60 | 0.58 | 0.98 | 27.48 |
| Minneapolis (No. 2) | 3.06 | 0.47 | 1.37 | 2.99 | 7.00 | 5.17 | 1.56 | 1.78 | 2.66 | 1.66 | 0.54 | 1.10 | 29.35 |
| Montevideo | 3.00 | 0.50 | 1.47 | 2.61 | 4.72 | 7.47 | 0.62 | 3.19 | 2.80 | 0.96 | T. | 0.95 | 28.29 |
| Moorehead | 1.49 | 0.51 | 1.51 | 2.72 | 3.76 | 4.28 | 5.30 | 2.87 | 2.17 | 0.41 | 0.10 | 1.17 | 26.29 |
| Moose Lake | 3.15 | 0.92 | 2.08 | 2.74 | 5.18 | 4.95 | 0.65 | 3.60 | 3.37 | 0.96 | 0.09 | 0.16 | 27.76 |
| Mora | 2.32 | 1.20 | 1.48 | 3.72 | 6.65 | 5.92 | 3.46 | 6.03 | 2.60 | 1.28 | 0.12 | 0.54 | 35.32 |
| Morris | 2.01 | 0.55 | 1.55 | 2.79 | 6.64 | 3.70 | 2.09 | 5.74 | 2.83 | 0.89 | 0.20 | 1.10 | 30.09 |
| New London | 2.00 | T. | 0.75 | 1.51 | 3.32 | 4.10 | 4.52 | 3.34 | 2.42 | 0.97 | T. | 0.97 | 23.90 |
| New Richland | 1.58 | 0.35 | 0.68 | 6.05 | 4.31 | 4.79 | 5.21 | 3.75 | 3.20 | 1.48 | 1.55 | 0.60 | 33.55 |
| New Ulm | 1.90 | 0.77 | 1.96 | 3.08 | 4.60 | 6.67 | 9.07 | 1.63 | 2.64 | 0.88 | 0.40 | 1.40 | 35.00 |
| Osakis | 2.80 | 0.70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Park Rapids | 1.83 | 0.48 | 2.20 | 1.74 | 3.78 | 4.64 | 5.83 | 6.75 | 2.67 | 0.44 | 0.08 | 0.86 | 31.30 |
| Pierz | ..... | 0.90 | ..... | 1.49 | 4.63 | 5.90 | 2.09 | 6.09 | 4.45 | 0.40 | 0.05 | ..... | ..... |
| Pine River Dam | 1.07 | 0.25 | 1.35 | 2.47 | 3.31 | 5.29 | 2.92 | 3.92 | 3.56 | 0.88 | 0.25 | 0.63 | 25.90 |
| Pipestone | 1.02 | 0.20 | 1.11 | 2.30 | 4.44 | 4.53 | 2.76 | 1.84 | 1.08 | 1.17 | 0.09 | 1.70 | 22.19 |
| Pokegama Falls | 1.94 | 0.35 | 1.49 | 2.99 | 3.68 | 4.45 | 2.37 | 4.23 | 2.35 | 1.10 | T. | 0.40 | 25.35 |
| Red Lake | 1.40 | 0.47 | 1.45 | 2.81 | 4.31 | 4.85 | 2.12 | 3.87 | ..... | 1.20 | 0.14 | 0.73 | ..... |
| Red Lake Falls | 1.41 | 0.25 | 3.06 | 2.46 | 3.01 | 5.32 | 1.85 | 5.75 | 3.16 | 0.95 | 0.04 | 2.40 | 29.66 |
| Red Wing | 2.32 | 0.76 | 0.92 | 3.82 | 4.52 | 4.74 | 1.21 | 1.72 | 2.98 | 1.74 | 1.34 | 0.94 | 27.01 |
| Redwood Falls | 1.95 | 0.46 | 1.98 | 2.08 | 4.67 | 6.77 | 5.65 | 1.64 | 1.66 | 1.83 | T. | 1.96 | 30.65 |
| Reads | 0.63 | 0.30 | 0.67 | 4.46 | 5.35 | 4.21 | 1.89 | 1.03 | 2.90 | 1.48 | 1.93 | 0.36 | 25.21 |
| Rochester | 1.70 | 0.58 | 0.92 | 3.94 | 5.02 | 4.34 | 3.15 | 1.79 | 2.69 | 1.44 | 2.11 | 0.59 | 28.27 |
| Roseau | 2.00 | 0.10 | 1.86 | 1.39 | 2.52 | 2.62 | 2.79 | 2.76 | 1.42 | 1.28 | 0.02 | 1.74 | 20.50 |
| St. Charles | 1.44 | 0.77 | 0.97 | 3.85 | 5.24 | 5.70 | 3.49 | 2.12 | 3.45 | 2.17 | 2.10 | 1.04 | 32.34 |
| St. Cloud | 2.16 | 0.37 | 1.38 | 1.92 | 5.86 | 6.04 | 3.21 | 4.65 | 2.98 | 1.71 | T. | 0.74 | 31.02 |
| St. Paul | 2.60 | 0.39 | 1.26 | 3.03 | 5.89 | 3.79 | 0.75 | 1.60 | 1.81 | 1.26 | 0.92 | 1.21 | 24.51 |
| St. Peter | 1.40 | 0.50 | 0.95 | 3.55 | 4.24 | 4.49 | 6.17 | 1.52 | 2.45 | 1.26 | 1.12 | 1.40 | 29.05 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Minnesota*—Continued. | | | | | | | | | | | | | |
| Sandy Lake Dam | 1.56 | 0.20 | 1.41 | 2.87 | 3.71 | 4.52 | 1.45 | 4.17 | 4.42 | 1.18 | 0.30 | 0.36 | 26.15 |
| State Sanatorium | 1.32 | 0.28 | 1.01 | 2.07 | 4.01 | 4.52 | 1.90 | 7.22 | 1.94 | 0.78 | T. | 0.44 | 25.49 |
| Stillwater | 1.98 | 1.16 | 0.86 | 2.17 | 5.61 | 6.04 | 1.31 | 2.54 | 2.98 | 1.55 | 1.06 | 1.11 | 28.37 |
| Taylors Falls | 1.72 | 0.66 | 0.88 | 3.51 | 6.13 | 6.03 | 0.32 | 2.88 | 3.12 | ..... | 0.50 | 0.63 | ..... |
| Thief River Falls | 1.40 | 0.42 | 2.43 | 1.59 | 3.41 | 3.86 | 1.82 | 6.61 | 2.66 | 1.68 | 0.05 | 1.46 | 27.39 |
| Tracy | 1.59 | 0.35 | 1.59 | 1.62 | 2.78 | 5.82 | 1.30 | 1.47 | 1.99 | 0.57 | 0.02 | 1.20 | 20.30 |
| Two Harbors | 2.00 | 0.12 | 1.69 | 2.42 | 3.48 | 6.86 | 1.65 | 4.21 | 4.64 | 1.08 | 0.04 | 0.12 | 28.31 |
| Tyler | ..... | ..... | ..... | ..... | ..... | ..... | 1.81 | 2.00 | 0.73 | 1.70 | T. | ..... | ..... |
| Virginia | 2.31 | 0.33 | 1.33 | 3.48 | 2.79 | 5.63 | 2.07 | 3.77 | 4.28 | 1.62 | 0.08 | 0.70 | 28.39 |
| Warren | 1.90 | 0.40 | 0.85 | 1.39 | 1.68 | 2.79 | 2.43 | 3.98 | ..... | 1.80 | T. | 2.00 | ..... |
| Warroad | 1.34 | 0.06 | 2.05 | 1.78 | 2.42 | 2.32 | 4.30 | 2.30 | 1.32 | 2.35 | 0.09 | 2.12 | 22.45 |
| Waseca | 1.57 | 0.39 | 0.46 | 3.87 | 5.23 | 5.04 | 2.58 | 2.10 | 3.32 | 1.60 | 1.32 | 0.33 | 27.81 |
| Wheaton | 1.39 | 0.20 | 1.87 | 2.54 | 4.54 | 3.95 | 3.01 | 3.90 | 2.18 | 0.24 | 0.01 | 0.43 | 24.26 |
| Willmar | ..... | ..... | ..... | 2.10 | 5.65 | 5.06 | 4.70 | 4.35 | 2.17 | 0.97 | 0.01 | 0.40 | ..... |
| Windom | ..... | 0.30 | 2.20 | 2.87 | 4.17 | 3.07 | 2.98 | 1.29 | 1.88 | 0.79 | 0.27 | 0.80 | ..... |
| Winnebago | 2.22 | 0.25 | 1.64 | 4.48 | 4.24 | 3.48 | 1.90 | 2.94 | 2.59 | 1.63 | 1.75 | 1.06 | 28.18 |
| Winnibigoshish | 1.72 | 0.37 | 1.56 | 2.61 | 3.17 | 4.59 | 2.39 | 8.89 | 1.78 | 1.10 | 0.02 | 0.47 | 28.67 |
| Winona | 2.06 | 0.75 | 0.92 | 5.23 | 5.61 | 3.75 | 3.04 | 3.80 | 5.10 | 2.49 | 1.86 | 1.12 | 35.73 |
| Winton | 3.80 | 0.40 | 3.33 | 2.80 | 2.06 | 4.42 | 1.84 | 5.50 | 8.32 | 2.54 | ..... | 0.67 | ..... |
| Worthington | 2.13 | 0.17 | 1.63 | 2.51 | 3.84 | 4.33 | 1.39 | 1.14 | 1.71 | 0.93 | 0.37 | 0.50 | 20.65 |
| Zumbrota | 2.35 | 0.71 | 0.92 | 3.59 | 5.34 | 4.81 | 3.67 | 1.43 | 2.30 | 1.41 | 1.70 | 1.58 | 29.81 |
| *Mississippi.* | | | | | | | | | | | | | |
| Aberdeen | 5.70 | 2.04 | 2.84 | 3.51 | 4.63 | 3.64 | 13.21 | 0.25 | 0.65 | 1.16 | 2.32 | 3.29 | 43.24 |
| Agricultural College | ..... | 2.28 | 2.85 | 3.47 | 7.02 | 4.02 | 12.63 | 2.58 | 0.55 | 0.82 | 1.96 | 2.47 | ..... |
| Anguilla | 8.35 | 1.80 | 4.27 | 2.50 | 9.24 | 8.10 | 7.03 | 4.59 | 2.95 | 3.60 | 2.45 | 7.02 | 61.90 |
| Austin | 10.10 | 5.05 | 4.12 | 3.23 | 3.95 | 5.14 | 2.05 | 1.55 | 1.40 | 2.77 | 0.80 | 4.05 | 44.21 |
| Batesville | 6.74 | 4.93 | 3.77 | 2.32 | 5.84 | 6.35 | 4.99 | 2.10 | 0.49 | 1.77 | 1.61 | 5.20 | 46.11 |
| Bay St. Louis | 5.70 | 2.12 | 1.44 | 6.24 | 6.91 | 4.03 | 13.16 | ..... | 5.55 | 5.72 | 1.80 | 3.98 | ..... |
| Biloxi | 5.54 | 2.78 | 2.43 | 5.07 | 7.74 | 5.53 | 14.01 | 10.45 | 3.27 | 2.57 | 2.30 | 6.81 | 68.50 |
| Booneville | 6.14 | 3.76 | 2.96 | 2.38 | 6.19 | 3.28 | 7.52 | 3.50 | 1.04 | 1.01 | 2.18 | 5.45 | 45.41 |
| Brookhaven | 7.30 | 1.96 | 4.54 | 3.39 | 9.90 | 4.73 | 9.38 | 4.56 | 1.39 | 1.99 | 1.36 | 5.74 | 56.24 |
| Calhoun City | 6.19 | 2.30 | 3.41 | ..... | 7.69 | 6.04 | 8.39 | 3.19 | 0.98 | 1.90 | 1.74 | 5.13 | ..... |
| Canton | 6.83 | 2.73 | 4.16 | 2.66 | 6.77 | 3.96 | 6.77 | 1.52 | 1.85 | 0.82 | 1.26 | 4.11 | 43.44 |
| Charleston | 6.52 | 3.19 | 3.92 | 2.27 | 5.54 | 5.46 | 5.74 | 3.99 | 0.50 | 2.40 | 1.64 | 5.24 | 46.41 |
| Clarksdale | 9.11 | 3.64 | 6.53 | 2.24 | 4.77 | 3.26 | 2.15 | 4.77 | 1.23 | 2.02 | 1.45 | 3.77 | 44.94 |
| Cleveland | 6.93 | 2.87 | 2.66 | 2.37 | 5.30 | 3.31 | 5.19 | 2.70 | 3.16 | 2.90 | 1.65 | 2.91 | 41.95 |
| Collins | 4.28 | 1.86 | 4.79 | 2.43 | 9.48 | 0.01 | 11.06 | 2.31 | 2.13 | 1.75 | 1.00 | ..... | ..... |
| Columbia | 7.51 | 2.14 | 5.20 | 3.83 | 12.44 | 1.64 | 9.25 | 2.54 | 2.28 | 2.33 | 1.58 | 4.44 | 55.18 |
| Columbus | 4.52 | 2.42 | 4.10 | 3.29 | 6.23 | 3.60 | 15.67 | 1.85 | 1.23 | 0.83 | 1.65 | 5.56 | 50.95 |
| Corinth | 7.32 | 4.58 | 2.91 | 3.14 | 5.68 | 4.02 | 7.20 | 4.49 | 0.92 | 1.70 | 2.98 | 7.74 | 52.68 |
| Crenshaw | ..... | ..... | 3.50 | 3.42 | 2.78 | ..... | 3.59 | 6.38 | ..... | 1.97 | ..... | ..... | ..... |
| Crystal Springs | 4.87 | 2.48 | 2.79 | 2.64 | 10.15 | 1.77 | 12.24 | 6.06 | 1.78 | 0.90 | 1.25 | 2.71 | 49.64 |
| Duck Hill | 8.94 | 2.36 | 4.10 | 2.90 | 6.98 | 2.69 | 8.89 | 3.66 | 1.77 | 1.05 | 1.46 | 5.48 | 50.28 |
| Edinburg | 5.63 | 3.15 | 2.93 | 4.66 | 9.22 | 5.85 | 10.34 | 2.45 | 5.55 | 1.23 | 2.47 | 4.60 | 58.08 |
| Edwards | 6.72 | 2.14 | 3.98 | 2.10 | 7.12 | 6.25 | 6.65 | 3.04 | 1.68 | 1.40 | 1.14 | 3.20 | 45.42 |
| Enterprise | 5.57 | 2.57 | 3.31 | 3.18 | 10.57 | 1.52 | 16.30 | 1.40 | 1.63 | 1.09 | 2.99 | 3.88 | 54.01 |
| Fayette | 6.00 | 1.82 | 2.63 | 1.45 | 10.02 | 3.47 | 8.73 | 5.23 | 2.71 | 1.80 | 1.82 | 3.49 | 49.17 |
| Fulton | 6.54 | 3.23 | 2.65 | 2.49 | 6.00 | 4.39 | 18.06 | 3.58 | 0.60 | 1.75 | 2.05 | 4.93 | 56.27 |
| Greenville | 7.21 | 1.88 | 3.12 | 2.44 | 6.29 | 3.30 | 3.11 | 5.06 | 2.18 | 2.68 | 1.23 | 2.55 | 41.05 |
| Greenwood | 6.54 | 2.81 | 3.84 | 2.51 | 5.78 | 3.12 | 7.85 | 2.66 | 1.43 | 3.74 | 2.21 | 6.89 | 49.38 |
| Grenada | 6.47 | ..... | 5.44 | 1.44 | 6.30 | 3.35 | 5.98 | 4.83 | 2.26 | 1.81 | 1.22 | 6.36 | ..... |
| Hattiesburg | 7.24 | 3.38 | 3.73 | 3.77 | 4.96 | 2.87 | 15.23 | 4.43 | 0.75 | 3.21 | 2.73 | 4.08 | 55.98 |
| Hazlehurst | 5.64 | 2.47 | 2.03 | 3.35 | 9.88 | 1.11 | 14.29 | 4.73 | 3.04 | 1.14 | 1.12 | 3.48 | 52.28 |
| Hernando | 8.42 | 4.21 | 3.34 | 2.49 | 5.41 | 4.64 | 3.54 | 2.82 | 0.35 | 2.32 | 1.16 | 2.69 | 41.39 |
| Hickory | 6.88 | 2.90 | 3.55 | 2.38 | 7.94 | 4.76 | 10.69 | 3.28 | 2.31 | 0.85 | 1.93 | 3.88 | 51.35 |
| Hickory Flat | 7.25 | 2.65 | 2.70 | 2.70 | 7.90 | 8.71 | 7.68 | 8.87 | 0.25 | 2.00 | ..... | 5.20 | ..... |
| Holly Bluff | 6.41 | 0.73 | 4.05 | 2.85 | 5.59 | 10.85 | 7.31 | 3.08 | 1.52 | 2.11 | 2.29 | 6.43 | 53.22 |
| Holly Springs | 6.63 | 4.65 | 3.00 | 2.47 | 7.57 | 4.53 | 4.52 | 5.42 | 0.96 | 1.54 | 1.97 | 5.07 | 48.33 |
| Jackson | 5.49 | 2.88 | 3.16 | 3.24 | 7.42 | 4.47 | 7.87 | 4.28 | 2.80 | 0.96 | 1.70 | 2.58 | 46.85 |
| Kosciusko | 6.68 | 2.51 | 4.18 | 3.51 | 6.40 | 6.18 | 7.33 | 2.47 | 1.17 | 1.14 | 2.20 | 2.78 | 46.55 |
| Lake | 6.57 | 3.15 | 2.47 | 1.93 | 10.36 | 3.57 | 6.57 | 2.99 | 0.35 | 1.61 | 2.29 | 2.94 | 44.80 |
| Laurel | 7.20 | 2.56 | 5.36 | 2.56 | 6.93 | 2.22 | 16.38 | 3.86 | 1.43 | 1.49 | 2.77 | 5.13 | 57.87 |
| Leakesville | 3.79 | 4.82 | 6.30 | 2.26 | 7.30 | 2.55 | 27.55 | 2.72 | 3.11 | 0.90 | 3.44 | 5.21 | 69.95 |
| Louisville | 5.44 | 2.88 | 3.55 | 2.42 | 5.74 | 5.40 | 10.95 | 2.83 | 0.83 | 0.72 | 2.02 | 4.01 | 46.79 |
| McNeill | 5.33 | 2.73 | 2.25 | 7.03 | 5.77 | 2.98 | 21.84 | 4.81 | 3.38 | 3.04 | 1.42 | 4.51 | 65.09 |
| Macon | 5.32 | 2.68 | 3.42 | 2.88 | 6.01 | 3.22 | 10.90 | 1.10 | 1.04 | 0.58 | 1.47 | 4.28 | 42.90 |
| Magnolia | 8.14 | 1.84 | 4.41 | 4.75 | 10.87 | 2.48 | 7.05 | 4.92 | 0.96 | 4.73 | 2.46 | 6.51 | 59.12 |
| Meridian | 5.83 | 2.38 | 2.34 | 2.56 | 7.93 | 2.79 | 14.24 | 2.97 | 1.48 | 0.93 | 2.38 | 3.71 | 49.54 |
| Merrill | 5.60 | 4.74 | 3.78 | 4.30 | 9.94 | 3.99 | 30.75 | 2.05 | 4.36 | 1.30 | 3.35 | 7.04 | 81.20 |
| Monticello | 6.03 | 1.93 | 3.17 | 2.71 | 11.59 | 2.88 | 6.29 | 3.79 | 0.67 | 1.40 | 1.88 | 6.10 | 48.44 |
| Moorhead | 7.62 | 1.50 | 2.92 | 3.09 | 5.81 | 4.20 | 6.55 | 4.20 | 2.30 | 2.58 | 1.57 | 6.34 | 48.68 |
| Natchez | 6.39 | 1.37 | 3.12 | 1.85 | 10.80 | 2.11 | 11.29 | 6.22 | 1.36 | 3.07 | 1.01 | 4.73 | 53.82 |
| Okolona | 4.85 | 2.65 | 3.00 | 2.28 | 5.82 | 4.30 | 14.67 | 1.65 | 1.25 | 2.22 | 2.20 | 5.43 | 50.32 |
| Pascagoula | 3.11 | 3.22 | 1.46 | 3.52 | 6.43 | 8.25 | ..... | ..... | 10.91 | 2.00 | 3.01 | 7.79 | ..... |
| Pearlington | 6.51 | 2.62 | 0.97 | 6.64 | 6.91 | 4.70 | 15.41 | 3.42 | 3.76 | 7.25 | 1.43 | 5.55 | 65.17 |
| Pontotoc | 7.32 | 2.00 | 3.73 | 2.55 | 6.59 | 5.16 | 10.05 | 4.45 | 0.25 | 1.31 | 1.75 | 5.40 | 50.56 |
| Porterville | 6.65 | 2.43 | 2.90 | 2.84 | 9.63 | 2.77 | 11.18 | 3.52 | 0.64 | 1.00 | ..... | ..... | ..... |
| Port Gibson | 5.54 | 2.20 | 2.47 | 2.18 | 8.68 | 5.67 | 8.35 | 2.93 | 1.87 | 1.51 | 1.57 | 2.54 | 45.51 |
| Rosedale | 8.40 | 3.16 | 2.92 | 2.01 | 4.55 | 1.24 | 4.12 | 4.41 | 3.36 | 3.45 | 1.76 | 3.29 | 42.67 |
| Shubuta | 4.88 | 3.84 | 3.37 | 2.10 | 5.95 | 2.53 | 16.89 | 2.71 | 2.19 | 2.02 | 2.05 | 5.76 | 54.29 |
| Stoneville | 7.11 | 1.32 | 3.55 | 2.00 | 6.60 | 5.60 | 4.17 | 2.08 | 2.07 | 2.92 | 1.51 | 2.27 | 41.20 |
| Suffolk | 5.92 | 1.90 | 3.99 | 2.75 | 11.23 | 4.55 | 9.41 | 4.15 | 4.12 | 2.30 | 1.28 | 5.18 | 56.78 |
| Swan Lake | 5.71 | 3.13 | 4.49 | 1.72 | 5.79 | 3.39 | 3.90 | 2.10 | 1.59 | 2.39 | 1.40 | 4.17 | 39.78 |
| Tchula | 8.62 | 1.30 | 3.94 | 3.59 | 8.98 | 4.81 | 8.61 | 4.37 | 1.13 | 1.67 | 1.94 | 6.72 | 55.68 |
| Tupelo | 5.21 | 2.32 | 3.66 | 1.78 | 5.55 | 3.56 | 13.18 | 2.13 | 0.88 | 2.32 | 2.14 | 4.14 | 46.87 |
| University | 6.20 | 4.12 | 4.50 | 4.25 | 6.00 | 6.80 | 9.29 | 3.40 | T. | 2.30 | 1.80 | 6.37 | 55.03 |
| Utica | 4.62 | 1.72 | ..... | 1.37 | 10.49 | 2.34 | 10.52 | 5.32 | 1.82 | 0.88 | 1.10 | 2.77 | ..... |
| Vicksburg | 5.83 | 1.09 | 1.98 | 1.52 | 8.09 | 4.77 | 7.90 | 3.66 | 3.88 | 1.55 | 1.04 | 3.70 | 45.01 |
| Water Valley | 7.27 | 2.85 | 4.50 | 2.88 | 8.85 | 6.38 | 8.35 | 1.76 | 0.38 | 3.08 | 1.66 | 5.70 | 53.66 |
| Waynesboro | 4.42 | 3.81 | 4.67 | 1.94 | 6.74 | 2.68 | 21.54 | 3.88 | 1.77 | 1.67 | 2.90 | 5.26 | 61.28 |
| Woodville | 8.18 | 1.92 | 4.56 | 4.53 | 12.80 | 1.46 | 8.61 | 4.17 | 1.45 | 5.28 | 1.20 | 5.37 | 59.53 |
| Yazoo City | 6.64 | 1.98 | 3.55 | 2.76 | 6.30 | 7.03 | 7.24 | 2.05 | 1.26 | 1.16 | 1.48 | 3.57 | 45.02 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Missouri.* | | | | | | | | | | | | | |
| Amoret | 5.07 | 0.50 | 3.05 | 3.58 | 3.25 | 7.23 | 1.55 | 2.85 | 3.16 | 1.87 | 3.58 | 1.66 | 37.35 |
| Appleton City | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.35 | 3.21 | 2.18 | 2.18 | 0.86 | ..... |
| Arlington | 6.90 | 1.46 | 1.54 | 4.09 | 5.05 | 2.88 | 0.30 | 2.65 | 3.65 | 1.20 | 1.65 | 1.00 | 32.37 |
| Avalon | 6.70 | 1.95 | 5.45 | 3.43 | 6.42 | ..... | 0.95 | 2.50 | 2.45 | 4.30 | 1.85 | 0.80 | ..... |
| Bagnell | ..... | 0.97 | 1.95 | 2.95 | 5.48 | 3.80 | 1.05 | ..... | ..... | ..... | ..... | ..... | ..... |
| Bethany | 3.28 | 0.85 | 1.75 | 2.85 | 7.01 | 6.90 | 1.19 | 4.87 | 1.42 | 1.57 | 2.62 | 0.22 | 34.53 |
| Birchtree | 8.37 | 0.98 | 2.32 | 3.67 | 2.55 | 5.56 | 0.68 | 2.33 | 2.26 | 0.48 | 3.04 | 4.09 | 36.33 |
| Bolivar | 7.81 | 1.11 | 2.36 | 2.57 | 6.05 | 4.69 | 3.61 | 1.00 | 3.15 | 1.47 | 3.21 | 3.05 | 40.08 |
| Boonville | 5.34 | 0.58 | 2.80 | 1.85 | 6.91 | 4.57 | 1.04 | 3.65 | 5.23 | 2.66 | 2.39 | 0.68 | 37.70 |
| Brunswick | 5.97 | 0.75 | 4.48 | 2.93 | 7.53 | 7.70 | 1.59 | 2.03 | 2.83 | 4.22 | 1.61 | 0.31 | 41.95 |
| Cape Girardeau | 10.75 | 0.85 | 1.65 | 3.12 | 2.49 | 7.83 | 0.43 | ..... | ..... | ..... | ..... | 7.08 | ..... |
| Cardwell | 9.25 | 1.57 | 3.02 | 3.90 | 4.63 | 4.39 | 2.54 | 2.23 | 2.42 | 2.10 | 2.45 | ..... | ..... |
| Caruthersville | 8.95 | 1.68 | 2.80 | 2.91 | 5.89 | 9.45 | 1.78 | 2.74 | 1.51 | 2.67 | 1.47 | 4.42 | 46.27 |
| Cassville | ..... | ..... | ..... | 5.70 | 2.35 | 7.62 | 0.77 | 1.09 | 3.16 | 1.63 | 2.65 | 2.73 | ..... |
| Chillicothe | 4.78 | 0.35 | 3.57 | 2.50 | 6.96 | 8.08 | 0.83 | 1.85 | 2.90 | 3.01 | 1.69 | 0.19 | 36.71 |
| Clifton Hill | ..... | ..... | ..... | ..... | ..... | 4.94 | 0.57 | 2.20 | 2.59 | 3.61 | 2.43 | 0.55 | ..... |
| Clinton | 8.01 | 0.90 | 4.75 | 3.66 | 5.87 | 5.23 | 0.67 | 0.30 | 2.52 | 2.20 | 2.35 | 0.35 | 36.81 |
| Columbia | 6.80 | 0.81 | 1.93 | 2.68 | 5.21 | 3.64 | 0.67 | 2.04 | 4.43 | 1.55 | 2.21 | 1.66 | 33.63 |
| Conception | 1.58 | 0.50 | 1.12 | 2.37 | 7.15 | 4.29 | 3.90 | 4.72 | 3.26 | 1.67 | 2.64 | 0.57 | 33.77 |
| Crocker | 7.35 | 0.51 | [1.26b] | 2.38 | 6.18 | 2.88 | 1.06 | 1.50 | 2.22 | 0.75 | 3.21 | 0.34 | 29.64 |
| Dean | 13.36 | 0.83 | 2.17 | 3.29 | 4.66 | 4.94 | 1.41 | 3.94 | 5.25 | 2.67 | 3.06 | 2.53 | 48.11 |
| Doniphan | 8.65 | 1.13 | 1.96 | 4.01 | 2.56 | 8.12 | 1.30 | 1.11 | 2.67 | 1.18 | 3.93 | 5.05 | 41.67 |
| Eldon | 3.01 | 0.92 | 1.63 | 2.50 | 5.60 | 2.91 | 1.45 | 2.64 | 2.67 | 0.97 | 2.08 | 1.79 | 28.17 |
| Fayette | 6.60 | 0.77 | 2.46 | 2.36 | 5.98 | 5.55 | 0.55 | 3.70 | 3.16 | 2.49 | 2.36 | 0.68 | 36.66 |
| Fruit City | 13.53 | 1.52 | 2.17 | 3.42 | 2.56 | 5.55 | ..... | ..... | ..... | 0.82 | 2.89 | 4.36 | ..... |
| Fulton | 5.98 | 0.77 | 1.26 | 2.59 | 7.18 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Gallatin | ..... | ..... | ..... | ..... | ..... | ..... | 2.93 | 1.76 | 2.01 | 2.42 | 1.95 | 0.27 | ..... |
| Gano | 8.77 | 1.26 | 2.41 | 4.70 | 3.64 | 4.23 | 0.34 | 3.23 | 5.69 | 2.85 | 2.43 | 3.14 | 42.69 |
| Glencoe | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.88 | 0.93 | ..... |
| Goodland | 12.38 | 1.64 | 1.48 | 4.83 | 4.45 | 3.50 | 2.56 | 5.64 | 5.12 | 2.07 | 3.15 | 2.85 | 49.67 |
| Gorin | 5.19 | 0.34 | 4.38 | 3.03 | 9.54 | 5.52 | 0.37 | ..... | 1.62 | 2.95 | 1.78 | 0.47 | ..... |
| Grant City | 3.01 | 0.80 | 1.25 | 2.64 | 7.04 | 5.29 | 1.32 | 6.94 | 1.52 | 1.68 | 2.59 | 0.70 | 34.78 |
| Hannibal | 6.40 | 0.53 | 1.44 | 1.64 | 6.25 | 5.56 | 0.05 | 9.15 | 2.77 | 1.59 | 2.01 | 1.59 | 38.98 |
| Harrisonville | 6.65 | 0.26 | 4.36 | 2.55 | 7.06 | 7.13 | 2.09 | 0.75 | 4.62 | 2.92 | 3.00 | 0.81 | 42.20 |
| Hermann | 5.83 | 0.92 | 1.47 | 1.37 | 6.28 | 3.39 | 0.39 | 5.33 | 1.60 | 2.34 | 2.07 | 0.64 | 31.63 |
| Hollister | 13.20 | 0.40 | 1.33 | 5.65 | 2.00 | 8.15 | 0.40 | 1.40 | 4.57 | 0.60 | 5.60 | 3.60 | 46.90 |
| Houston | 10.13 | 0.78 | 2.11 | 4.86 | 3.00 | 6.16 | 1.76 | 1.78 | 3.02 | 0.79 | 2.28 | 3.85 | 40.52 |
| Ironton | 12.18 | 1.64 | 1.56 | 3.80 | 2.64 | 3.84 | 1.57 | 4.11 | 2.14 | 1.20 | 3.07 | 5.84 | 43.59 |
| Jackson | 8.03 | 1.64 | 1.49 | 2.64 | 2.65 | 12.96 | 1.31 | 2.45 | 4.06 | 3.74 | 2.19 | 2.30 | 45.46 |
| Jefferson City | 6.89 | 1.10 | 1.69 | 3.31 | 8.23 | 2.63 | 3.09 | 4.66 | 1.14 | 1.21 | 2.03 | 2.53 | 38.61 |
| Kansas City | 5.52 | 0.57 | 4.46 | 4.16 | 5.36 | 5.51 | 0.38 | 3.82 | 4.96 | 4.17 | 2.83 | 0.34 | 42.08 |
| Keytesville | 5.65 | 0.87 | 4.38 | 4.59 | 5.16 | 4.72 | 0.57 | 1.56 | 2.57 | 3.49 | 1.83 | 0.64 | 36.03 |
| Kidder | 4.55 | 1.14 | 3.00 | 1.78 | 7.80 | 4.67 | 1.29 | 2.37 | 2.66 | 2.39 | 1.98 | 0.43 | 34.16 |
| Koshkonong | 9.02 | 0.96 | 2.73 | 3.97 | 3.42 | 6.24 | 0.57 | 3.31 | 4.42 | 0.88 | 3.32 | 5.00 | 43.84 |
| Lamar | 7.16 | 0.29 | 4.82 | 3.59 | 5.53 | 12.76 | T. | 3.58 | 3.04 | 1.35 | 2.58 | 1.54 | 46.24 |
| Lamonte | 8.27 | 0.55 | 3.92 | 2.99 | 6.33 | 5.85 | T. | 4.54 | 5.49 | 2.05 | ..... | 0.50 | ..... |
| Lebanon | 9.33 | 0.66 | 2.08 | 4.97 | 6.28 | 5.44 | 1.35 | 1.59 | 2.43 | 1.55 | 2.69 | 1.46 | 39.83 |
| Lexington | 6.22 | 0.59 | 3.62 | 3.19 | 6.29 | 4.69 | 0.06 | 2.63 | 3.44 | 3.91 | 2.40 | 0.28 | 37.32 |
| Liberty | 4.59 | 0.50 | 4.41 | 4.32 | 6.54 | 7.02 | 0.82 | 3.20 | 4.92 | 4.86 | 2.75 | 0.24 | 44.17 |
| Lockwood | 8.67 | 0.55 | 2.32 | 4.50 | 6.60 | 8.03 | T. | 2.66 | 2.57 | 1.84 | 2.87 | 1.59 | 42.20 |
| Louisiana | 7.44 | 1.26 | 1.67 | 1.28 | 10.01 | 5.31 | 0.28 | 14.86 | 3.12 | 1.82 | 1.91 | 1.65 | 50.61 |
| Macon | 6.67 | 0.62 | 3.15 | 2.76 | 9.52 | 7.08 | 0.12 | 6.75 | 2.15 | 3.26 | 1.97 | 0.42 | 44.47 |
| Marble Hill | 9.37 | 2.22 | 1.50 | 2.73 | 2.64 | 8.08 | 1.67 | 4.06 | 2.90 | 2.55 | 2.55 | 7.00 | 47.27 |
| Marshall | 7.22 | 0.65 | 5.13 | 4.25 | 5.52 | 6.45 | 0.50 | 4.63 | 2.16 | 2.27 | 2.35 | 0.35 | 41.48 |
| Maryville | 2.91 | 0.30 | 1.40 | 2.55 | 9.88 | 4.43 | 1.87 | 4.81 | 2.72 | 1.76 | 2.70 | 0.55 | 35.88 |
| Mexico | 6.11 | 1.05 | 1.75 | 1.85 | 6.48 | 3.37 | 3.75 | 7.73 | 3.71 | 1.95 | 2.57 | 1.79 | 42.11 |
| Mountain Grove | 10.92 | 0.56 | 1.60 | 4.07 | 3.05 | 6.91 | 1.02 | 1.31 | 2.02 | 0.82 | 1.86 | 2.72 | 36.86 |
| Mount Vernon | 14.12 | 0.21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Neosho | 11.80 | 0.84 | 2.43 | 4.97 | 5.28 | 7.35 | 1.73 | 3.35 | 4.64 | 1.46 | 2.16 | 1.75 | 47.76 |
| Nevada | 5.02 | 1.40 | 3.92 | 3.71 | 3.43 | 6.95 | 0.46 | 1.50 | 2.31 | 1.48 | 1.80 | 1.76 | 33.74 |
| New Madrid | 10.51 | 1.77 | 3.17 | 2.76 | 5.39 | 6.70 | 1.66 | 1.09 | 1.72 | 2.92 | 2.13 | 4.03 | 43.85 |
| Oakfield | 8.37 | 1.16 | 1.41 | 2.14 | 4.46 | 6.88 | 0.83 | 6.06 | 2.71 | 1.73 | 2.84 | 0.99 | 39.58 |
| Oregon | 2.02 | 0.35 | 1.52 | 3.62 | 7.23 | 4.70 | 3.43 | 4.22 | 2.74 | 1.70 | 2.56 | 0.49 | 34.58 |
| Osceola | ..... | ..... | ..... | 4.24 | 6.78 | 7.23 | 0.02 | ..... | ..... | ..... | ..... | ..... | ..... |
| Pacific | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.90 | 1.04 | ..... |
| Palmyra | 8.29 | 0.85 | 1.28 | 2.96 | 10.58 | 5.79 | 0.79 | 8.91 | 2.80 | 2.11 | 1.69 | 1.17 | 47.22 |
| Patton | 9.74 | 1.20 | 0.98 | 3.06 | 2.16 | 7.48 | 1.50 | 1.25 | 1.40 | 1.54 | 1.45 | 4.15 | 35.91 |
| Poplar Bluff | 9.31 | 1.27 | 2.38 | 3.38 | 2.53 | 6.85 | 1.72 | 3.00 | 3.61 | 2.04 | 2.89 | 4.96 | 43.94 |
| Rolla | 9.72 | 1.72 | 2.04 | 4.05 | 6.06 | 4.51 | 0.74 | 5.04 | 2.77 | 1.35 | 2.48 | 1.84 | 42.32 |
| St. Catherine | 5.60 | 0.52 | 4.02 | 4.41 | 4.55 | 4.58 | 4.02 | 6.27 | 1.26 | 3.71 | 1.45 | 0.54 | 40.93 |
| St. Charles | 8.08 | 1.93 | 1.39 | 2.55 | 4.02 | 4.23 | 0.50 | 11.74 | 1.24 | 1.47 | 2.48 | 0.80 | 40.43 |
| St. Joseph | 2.56 | 0.47 | 2.98 | 2.96 | 7.79 | 3.34 | 1.18 | 4.24 | 3.51 | 1.78 | 3.11 | 0.48 | 34.40 |
| St. Louis (No. 1) | 8.53 | 1.78 | 1.88 | 1.78 | 3.00 | 3.97 | 1.20 | 10.69 | 2.69 | 1.64 | 2.53 | 2.16 | 41.80 |
| St. Louis (No. 2) | 9.05 | 2.18 | 2.14 | 2.26 | 3.02 | 3.74 | 0.61 | 13.65 | 3.08 | 1.60 | 3.24 | 2.26 | 46.83 |
| Sikeston | 9.29 | 1.05 | 2.01 | 2.56 | 3.39 | 7.37 | 5.99 | 4.28 | 2.73 | 1.71 | 2.11 | 5.74 | 48.23 |
| Springfield | 9.31 | 0.57 | 2.42 | 5.15 | 2.78 | 5.00 | 0.74 | 4.45 | 1.19 | 1.24 | 2.88 | 2.07 | 37.80 |
| Steelville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.14 | 1.81 | ..... |
| Steffenville | 8.11 | 0.92 | 1.62 | 2.51 | 8.46 | 5.36 | 0.49 | 7.88 | 1.31 | 2.95 | 2.95 | 1.23 | 43.79 |
| Tarkio | 1.37 | 0.21 | 0.17 | 3.26 | 9.76 | 5.71 | 1.23 | 4.39 | 4.56 | 1.75 | 2.53 | 0.97 | 35.90 |
| Trenton | 3.65 | 0.55 | 2.68 | 3.12 | 7.98 | 5.17 | 1.01 | 5.19 | 2.57 | 2.18 | 2.00 | 0.41 | 36.51 |
| Union | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.02 | 0.99 | ..... |
| Unionville | 4.13 | 0.82 | 3.66 | 2.18 | 9.23 | 4.61 | 1.69 | 8.50 | 2.04 | 3.25 | 2.31 | 1.05 | 43.47 |
| Valley Park | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.44 | 1.60 | ..... |
| Vandalia | 3.85 | 3.00 | 0.40 | 1.20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Warrensburg | 7.00 | 0.59 | 5.32 | 3.84 | 6.45 | 6.07 | 0.53 | 2.67 | 3.74 | 3.56 | 3.09 | 0.47 | 43.33 |
| Warrenton | 7.48 | 1.14 | 1.63 | 2.18 | 6.04 | 2.52 | 1.13 | 2.95 | 2.82 | 1.50 | 2.14 | 0.80 | 32.33 |
| Warsaw | 8.55 | 1.85 | 4.28 | 4.35 | 7.14 | 7.20 | 2.03 | 2.67 | 4.66 | 1.94 | 3.23 | 1.87 | 49.77 |
| Waverly | 5.90 | 0.63 | 3.57 | 3.57 | 7.96 | 7.70 | T. | 3.42 | 1.97 | 4.44 | 2.05 | 0.87 | 42.08 |
| *Montana.* | | | | | | | | | | | | | |
| Adel | 3.24 | 1.42 | 0.82 | 2.79 | 7.23 | 7.01 | 2.34 | 1.56 | 2.70 | 3.17 | 1.05 | 4.50 | 37.83 |
| Agricultural College | 0.95 | 0.78 | 2.04 | 2.10 | 2.99 | 2.38 | 1.58 | 1.38 | 1.89 | 2.40 | 1.11 | 1.64 | 21.19 |
| Anaconda | 1.11 | 1.32 | 1.33 | 0.62 | 2.31 | 2.89 | 2.63 | ..... | 2.16 | 1.44 | 0.65 | 0.93 | ..... |
| Augusta | 1.45 | 0.08 | 0.32 | 0.56 | 3.30 | 5.81 | 1.83 | 1.56 | 2.73 | 0.64 | 0.32 | 0.40 | 19.00 |
| Babb | 1.14 | ..... | ..... | ..... | ..... | ..... | 0.87 | 3.72 | 1.96 | 1.47 | 1.72 | 1.12 | ..... |
| Bald Butte | 2.39 | 2.21 | 1.61 | 3.83 | 5.73 | 5.13 | 2.90 | 0.96 | 2.05 | 2.02 | 0.88 | 1.20 | 30.91 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Montana*—Continued. | | | | | | | | | | | | | |
| Belton | 2.91 | 3.14 | 2.83 | 0.94 | 2.37 | 4.65 | ..... | 5.11 | 5.26 | 0.90 | ..... | 2.40 | ..... |
| Big Ox | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.73 | 1.56 | 1.59 | 0.15 | 1.23 | ..... |
| Big Timber | 1.10 | 1.01 | 1.08 | 0.90 | 3.40 | 2.27 | 1.65 | 0.68 | 0.25 | 2.76 | 0.36 | 0.37 | 15.83 |
| Billings | 0.60 | 0.48 | 0.84 | 1.27 | 2.38 | 2.50 | 3.13 | 0.83 | 1.15 | 1.72 | 0.62 | 0.49 | 16.01 |
| Blackleaf | 1.52 | 0.82 | ..... | 0.25 | ..... | 9.75 | 3.71 | ..... | 0.86 | ..... | ..... | ..... | ..... |
| Boulder | 0.50 | 0.79 | 0.45 | 0.96 | 2.44 | 3.27 | 1.37 | 0.92 | 1.18 | 0.67 | 0.29 | ..... | ..... |
| Bowen | 0.82 | 1.21 | 0.89 | 0.58 | 0.76 | 1.44 | 1.25 | 0.96 | 0.61 | 0.26 | 1.12 | 0.43 | 10.33 |
| Brenner | 0.75 | 1.17 | 0.58 | 1.17 | 1.66 | 1.82 | 1.66 | 0.75 | 1.12 | 1.85 | 0.31 | ..... | ..... |
| Bridger | 0.72 | 0.48 | 0.32 | ..... | ..... | 2.20 | 0.18 | 1.02 | 0.50 | 2.14 | 0.54 | 0.63 | ..... |
| Broadview | 0.42 | 0.44 | 1.60 | 1.47 | 2.51 | 2.31 | 0.98 | 0.62 | 0.91 | 1.69 | ..... | ..... | ..... |
| Browning | 1.38 | 1.94 | 0.90 | 0.31 | 2.21 | 3.90 | 1.40 | 1.30 | 1.56 | 0.40 | 0.25 | 0.21 | 15.76 |
| Busby | 1.20 | 0.79 | 0.60 | 0.74 | 2.29 | 1.82 | 0.98 | 0.07 | 1.06 | 0.97 | 0.50 | 0.41 | 11.43 |
| Busteed | 0.87 | 0.68 | 0.62 | 0.50 | 3.12 | 2.80 | 1.17 | 0.61 | 0.40 | 3.38 | 0.40 | 0.76 | 15.31 |
| Butte | 1.08 | 0.54 | 1.12 | 1.30 | 2.77 | 2.56 | 1.48 | 0.39 | 2.00 | 0.96 | 0.96 | 1.72 | 16.88 |
| Canyon Ferry | 0.58 | 0.24 | 0.14 | 1.29 | 1.63 | 3.56 | 2.10 | 1.01 | 2.00 | 0.73 | 0.19 | 0.72 | 14.19 |
| Cascade | 1.84 | 0.80 | 0.19 | 1.57 | 5.14 | 6.25 | 1.74 | 1.28 | 1.79 | 1.95 | 0.61 | 1.34 | 24.50 |
| Chester | 1.56 | 0.78 | 0.00 | 0.40 | 2.48 | 3.68 | 2.72 | 0.72 | 2.45 | 0.40 | ..... | 0.55 | ..... |
| Chinook | 0.97 | ..... | 0.35 | 1.12 | ..... | ..... | 3.27 | 0.15 | 1.27 | 0.74 | 0.26 | ..... | ..... |
| Clear Creek | 1.40 | 0.40 | 0.17 | ..... | ..... | 4.39 | 4.08 | 0.11 | 1.75 | 1.12 | 0.24 | 1.32 | ..... |
| Clyde Park | 0.57 | ..... | 0.68 | 1.59 | 1.65 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Columbia Falls | 1.19 | 2.24 | 3.20 | 1.20 | 2.44 | 5.09 | 2.45 | 3.74 | 3.08 | 0.26 | 1.17 | 1.72 | 27.78 |
| Como | 4.18 | 2.19 | 0.90 | 0.81 | 1.67 | 1.62 | 1.27 | 0.98 | 1.31 | 1.63 | 1.28 | 0.40 | 18.24 |
| Conrad | 0.68 | 0.30 | 0.11 | 0.32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Copper | 0.89 | 0.66 | 0.60 | 1.15 | 1.92 | 4.29 | 1.44 | 1.75 | 1.46 | 1.00 | 0.49 | 1.10 | 16.75 |
| Cut Bank | 0.37 | 0.38 | 0.21 | 0.20 | 2.15 | 4.42 | 2.09 | 1.84 | 2.72 | 0.46 | ..... | ..... | ..... |
| Dayton | 0.70 | 1.05 | 1.50 | 1.25 | 1.00 | 4.00 | 2.43 | 0.70 | 0.89 | 0.35 | 0.75 | 0.85 | 15.47 |
| Deer Lodge | ..... | ..... | ..... | 0.18 | 1.55 | 3.27 | 1.10 | 0.07 | 0.79 | 0.05 | 0.16 | 1.15 | ..... |
| Denton | 0.96 | 0.19 | 0.05 | 0.93 | 2.45 | 5.90 | 3.09 | 0.53 | 1.88 | 0.78 | 0.74 | 1.35 | 18.85 |
| Dillon | 3.42 | 0.84 | 0.92 | 1.84 | 3.34 | 3.63 | 3.96 | 0.96 | 1.38 | 1.90 | 1.01 | 0.49 | 23.69 |
| Dunkirk | 1.12 | 0.40 | 0.52 | 0.18 | 1.96 | 4.31 | 5.23 | 1.25 | 3.17 | 0.56 | 0.20 | 0.64 | 19.54 |
| East Anaconda | 0.83 | 1.32 | 0.49 | 0.45 | 1.45 | 2.30 | 1.38 | 1.90 | 1.23 | 0.75 | 0.49 | 0.33 | 12.92 |
| Ekalaka | 0.22 | 0.11 | 0.53 | 0.99 | 1.78 | 3.50 | 1.43 | 1.84 | 0.59 | 0.88 | 0.63 | 0.48 | 12.98 |
| Fallon | 1.21 | 0.04 | 0.10 | T. | 1.59 | 3.44 | 3.07 | 2.21 | 1.54 | 0.35 | 0.12 | 0.26 | 13.93 |
| Farmington | 0.46 | 0.37 | 0.06 | 0.42 | 2.99 | 6.66 | 3.18 | 1.53 | 1.26 | 0.97 | 0.38 | 0.18 | 18.46 |
| Findon | 1.13 | 0.74 | 0.78 | 0.90 | 2.19 | 4.69 | 1.37 | 1.85 | 0.93 | 1.25 | 0.33 | 1.11 | 17.27 |
| Flathead Creek | 1.38 | 1.90 | 2.06 | 1.95 | 3.27 | 3.87 | 1.40 | 1.56 | 1.59 | ..... | ..... | ..... | ..... |
| Flatwillow | 0.24 | 0.09 | 0.12 | 0.28 | 1.97 | 3.92 | 1.80 | 0.26 | 1.18 | 1.41 | 0.57 | 0.78 | 12.62 |
| Fortine | 1.49 | 2.06 | 1.96 | 1.33 | 1.19 | 4.04 | 2.58 | 3.42 | 2.63 | 0.58 | ..... | ..... | ..... |
| Fort Shaw | 0.81 | 0.16 | 0.23 | 0.46 | 3.04 | 5.10 | 2.56 | 1.70 | 1.18 | 1.04 | 0.21 | 0.70 | 17.19 |
| Foster | 0.64 | 0.38 | 0.50 | 0.55 | 1.77 | 3.10 | 1.19 | 0.49 | 1.19 | 1.18 | 0.65 | 0.41 | 12.05 |
| Geyser | 0.25 | 0.14 | 0.10 | 0.72 | 2.80 | 4.83 | 2.24 | 0.26 | 0.73 | 0.57 | ..... | 0.49 | ..... |
| Glacier Park | 4.12 | ..... | 1.68 | 0.24 | 1.73 | 8.29 | 2.20 | 1.18 | 1.75 | 1.18 | 0.60 | 1.12 | ..... |
| Glasgow | 2.50 | 1.64 | 1.34 | 0.45 | 2.18 | 4.90 | 2.97 | 0.95 | 2.37 | 0.38 | 0.23 | 0.56 | 20.47 |
| Glendive | 0.91 | 0.04 | 0.35 | 0.25 | 1.21 | 5.22 | 4.96 | 6.29 | 4.37 | 0.67 | 0.50 | 1.25 | 26.02 |
| Glentana | 2.44 | 2.25 | 2.53 | 0.62 | 3.42 | 4.03 | 1.17 | 0.68 | 2.43 | 0.08 | 0.04 | 0.56 | 20.25 |
| Gold Butte | 1.31 | 0.40 | 0.29 | 0.07 | 2.62 | 3.85 | 4.29 | 1.19 | 3.16 | 1.17 | 0.38 | 0.27 | 19.00 |
| Graham | 0.57 | 0.33 | 0.56 | ..... | 1.87 | 3.58 | 1.07 | 1.24 | 0.31 | ..... | 0.53 | 0.50 | ..... |
| Great Falls | 1.56 | 0.32 | 0.08 | 1.60 | 3.67 | 5.75 | 2.52 | 1.12 | 1.50 | 2.17 | 0.33 | 0.98 | 21.60 |
| Hamilton | ..... | ..... | ..... | ..... | ..... | 1.91 | 1.31 | 0.62 | 1.07 | 1.50 | 1.34 | 0.87 | ..... |
| Harlowton | 0.34 | 1.01 | 0.05 | 0.24 | 2.70 | 4.20 | 1.20 | 1.70 | 00.0 | 0.17 | 0.08 | 0.18 | 11.87 |
| Hat Creek | 1.07 | 1.47 | 1.01 | 2.21 | 3.36 | 5.06 | 2.71 | 1.29 | 3.04 | 1.61 | 0.65 | 1.60 | 25.08 |
| Haugan | 4.82 | 5.36 | 6.73 | 1.28 | 1.70 | 3.52 | 1.93 | 1.52 | 2.23 | 1.73 | 3.92 | 3.06 | 37.80 |
| Havre | 1.75 | 0.47 | 0.59 | 0.69 | 3.00 | 4.03 | 5.90 | 0.34 | 1.42 | 1.01 | 0.46 | 1.05 | 20.71 |
| Hebgen Dam | 3.63 | 1.91 | 2.50 | 0.95 | 2.71 | 1.61 | 1.23 | 0.68 | 1.04 | 2.84 | 2.25 | 3.41 | 24.76 |
| Helena | 1.26 | 1.06 | 0.48 | 1.65 | 2.93 | 3.60 | 1.69 | 1.19 | 1.69 | 2.06 | 0.32 | 1.03 | 18.96 |
| Hercules Ranch | 1.68 | 0.11 | 0.34 | 0.49 | 1.45 | 3.99 | 2.09 | 1.37 | 1.03 | 0.64 | 0.64 | 2.12 | 15.95 |
| Heron | 3.47 | 2.46 | 7.42 | 3.13 | 1.82 | 5.17 | 2.36 | 1.79 | 3.72 | 1.10 | 3.57 | 2.93 | 38.94 |
| Highwood | 1.85 | 0.72 | 0.58 | 2.04 | 3.66 | 5.92 | 1.56 | 0.55 | 2.20 | 1.94 | 1.88 | 1.64 | 24.54 |
| Huntley | 0.49 | 0.32 | 0.16 | 0.70 | 2.07 | 2.08 | 1.70 | 0.27 | 1.15 | 1.80 | 0.27 | 0.50 | 11.51 |
| Kalispell | 1.95 | 1.06 | 2.43 | 0.73 | 1.11 | 3.91 | 1.76 | 1.96 | 1.63 | 0.62 | 0.80 | 1.70 | 19.66 |
| Ingomar | ..... | ..... | ..... | 0.27 | 2.25 | 3.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Jordan | ..... | ..... | 0.90 | ..... | 1.57 | 5.02 | 4.36 | ..... | 1.55 | 1.80 | 0.30 | 0.85 | ..... |
| Knoble's Ranch | 0.63 | 0.53 | 0.52 | 0.44 | 3.88 | 4.73 | 5.69 | 1.62 | 3.93 | 1.03 | 0.59 | 0.61 | 24.18 |
| Knowlton | 1.02 | T. | 0.36 | 0.51 | 1.53 | 5.02 | 2.34 | 1.12 | 1.29 | 0.67 | 0.76 | 2.39 | 17.01 |
| Lewistown | 0.80 | 0.51 | 0.91 | 1.80 | 2.43 | 4.15 | 2.39 | 0.70 | 1.76 | 1.34 | 0.78 | 1.47 | 19.04 |
| Libby | 2.88 | 2.00 | 2.93 | 0.72 | 0.55 | 2.94 | 1.82 | 0.77 | 1.28 | 0.96 | 1.46 | 1.46 | 19.77 |
| Lima | 0.78 | 0.17 | 0.13 | 0.51 | 2.29 | 1.27 | 1.01 | 0.41 | 0.84 | 1.47 | ..... | ..... | ..... |
| Lindsay | 0.48 | 0.36 | 0.21 | 0.23 | 1.64 | 6.33 | 1.85 | 0.13 | 1.67 | 0.54 | 0.42 | 0.57 | 14.43 |
| Livingston | 0.69 | 0.73 | 2.16 | 0.70 | 2.15 | 1.86 | 0.75 | 0.88 | 0.75 | 2.12 | 0.29 | 0.63 | 13.71 |
| Lytle | 1.34 | 0.36 | 0.14 | 0.81 | 4.13 | 4.45 | 1.99 | 1.11 | 2.09 | 1.09 | 0.65 | 1.12 | 19.23 |
| Malta | 2.20 | 0.67 | 0.47 | 0.40 | 2.80 | 3.74 | 1.60 | 0.33 | 1.20 | 0.62 | 0.37 | 1.32 | 15.72 |
| Medicine Lake | 0.77 | 0.37 | ..... | ..... | 1.25 | 5.24 | 2.73 | 0.63 | 2.21 | 0.55 | 0.07 | 0.76 | ..... |
| Melstone | 0.87 | 0.39 | 0.35 | T. | 1.70 | 3.09 | 1.92 | 0.52 | 1.58 | 2.36 | 0.54 | 0.97 | 14.29 |
| Mildred | 0.78 | T. | T. | T. | 1.20 | 3.87 | 4.25 | ..... | 0.75 | ..... | 0.62 | 0.25 | ..... |
| Miles City | 1.38 | 0.18 | 0.35 | 0.22 | 1.30 | 3.96 | 2.61 | 1.51 | 1.35 | 0.58 | 0.39 | 1.99 | 15.82 |
| Missoula | 1.12 | 1.06 | 0.96 | 1.92 | 1.52 | 3.24 | 0.82 | 1.22 | 1.49 | 1.36 | 0.58 | 1.04 | 16.33 |
| Norris | 0.73 | 0.57 | 0.87 | 1.76 | 3.10 | 3.40 | 2.16 | 0.72 | 1.10 | 2.52 | 0.29 | 0.34 | 17.56 |
| Ovando | ..... | 1.36 | 1.46 | 1.34 | 1.24 | 5.31 | 2.31 | 1.48 | 1.87 | 1.47 | 0.94 | 2.09 | ..... |
| Penwell's Ranch | 2.16 | 0.04 | 0.03 | 0.16 | 1.46 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Philipsburg | 0.44 | 1.05 | 0.52 | 1.80 | 2.03 | 4.72 | 3.55 | 1.19 | 1.85 | 0.72 | 0.64 | 0.89 | 19.40 |
| Pinegrove | 0.33 | 0.63 | 0.48 | 0.75 | 2.63 | 4.73 | 2.42 | 1.17 | 1.40 | 1.62 | 1.01 | 4.05 | 21.22 |
| Plains | 3.22 | 2.95 | 2.83 | 1.04 | 1.67 | 3.67 | 1.67 | 1.27 | 0.96 | 1.18 | 1.09 | 1.76 | 23.30 |
| Plevna | 0.93 | 0.13 | 0.69 | 0.89 | 1.16 | 3.26 | 1.65 | 1.17 | 1.18 | 0.58 | 0.48 | 0.90 | 13.02 |
| Polson | 1.86 | 1.13 | 2.44 | 1.25 | 1.15 | 5.31 | 1.70 | 1.48 | 1.63 | 0.72 | 0.64 | 1.63 | 20.94 |
| Poplar | 1.12 | 0.44 | 0.27 | 0.25 | 1.20 | 4.70 | 3.87 | 0.06 | 1.74 | 0.96 | 0.18 | 0.61 | 15.40 |
| Red Lodge | 0.57 | 0.74 | 1.41 | 2.18 | 3.73 | 2.86 | 0.56 | 0.72 | 1.14 | 4.06 | 0.86 | 1.04 | 19.87 |
| Renova | 0.13 | 0.31 | 0.64 | 1.52 | 2.60 | 2.60 | 1.12 | 1.50 | 1.79 | 1.54 | 0.20 | 0.09 | 14.04 |
| Ringling | 0.46 | 0.31 | 0.19 | 0.34 | 1.27 | 2.54 | 0.92 | 0.79 | 0.66 | 0.85 | 0.11 | 1.05 | 9.49 |
| Rock Springs | 3.88 | 0.35 | 0.44 | 0.18 | 1.08 | 2.86 | 2.74 | 1.19 | 1.61 | 0.59 | 0.33 | 3.09 | 18.34 |
| Roundup | 1.04 | 0.80 | T. | 0.32 | 1.88 | 2.76 | 0.66 | 0.81 | 1.10 | 1.70 | 0.68 | 0.80 | 12.55 |
| Rudyard | ..... | 0.23 | 0.01 | 0.46 | 2.50 | 3.91 | 3.12 | ..... | 0.50 | 1.07 | ..... | 0.40 | ..... |
| Saco | 1.61 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| St. Ignatius | 1.57 | 1.83 | 1.63 | 2.65 | 1.38 | 5.24 | 1.93 | 1.64 | 2.36 | 2.35 | 0.92 | 1.65 | 25.15 |
| St. Marys Lake | 3.10 | 5.70 | 2.80 | 0.75 | 3.65 | 5.07 | 0.45 | 2.75 | 1.05 | 1.52 | 1.54 | 1.38 | 29.76 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Montana*—Continued. | | | | | | | | | | | | | |
| Savage | 0.99 | 0.23 | 0.73 | 0.45 | 1.27 | 4.35 | 4.16 | 3.13 | 1.77 | 0.71 | 0.29 | 1.10 | 19.18 |
| Shelby | 1.03 | 0.39 | 0.30 | 0.14 | 2.85 | 3.66 | 2.61 | 0.98 | 1.54 | 0.56 | 0.54 | 0.69 | 15.29 |
| Sidney | 0.59 | 0.33 | 0.64 | 1.08 | 1.47 | 4.13 | 3.38 | 2.38 | 3.49 | 0.86 | 0.32 | 0.69 | 19.36 |
| Snowbelt | 1.76 | 0.42 | 1.63 | 0.28 | 2.91 | 4.36 | 6.17 | 0.45 | 2.43 | 1.79 | 0.61 | 1.77 | 24.58 |
| Springbrook | 1.73 | 0.28 | 2.20 | 0.15 | 2.01 | 6.16 | 2.22 | 0.35 | 2.02 | 0.71 | 0.33 | 1.65 | 19.81 |
| Stacey | | 0.76 | 1.73 | 0.50 | 2.39 | 4.56 | 1.25 | | | 0.87 | 1.20 | | |
| Stevensville | 1.56 | 0.95 | 0.15 | 1.37 | 1.58 | 2.26 | 0.86 | 2.25 | 1.44 | 0.55 | 0.21 | 1.16 | 14.34 |
| Stryker | 2.73 | 1.86 | 2.12 | 1.03 | 1.18 | 2.07 | 0.44 | 2.58 | 2.58 | 1.11 | 0.26 | 1.02 | 18.98 |
| Suffolk | | | 0.26 | 1.54 | | | 2.51 | 0.50 | 1.63 | 0.80 | 0.71 | 0.88 | |
| Sula | 1.22 | 1.41 | 0.86 | 1.95 | 2.47 | 3.11 | 1.41 | 0.58 | 1.28 | 1.43 | 1.18 | 1.11 | 18.01 |
| Sunlit Farm | 0.63 | 0.44 | 0.95 | 0.75 | 2.82 | 3.71 | 6.83 | 0.86 | 1.05 | | | | |
| Sun River Canyon | 1.68 | 0.45 | 0.40 | 0.38 | 4.72 | 11.03 | 3.92 | 1.60 | 2.08 | 1.85 | 0.90 | 0.39 | 29.40 |
| Sunset Orchard | 0.80 | 1.69 | 0.80 | 0.91 | 1.30 | 2.55 | 0.83 | 1.58 | 0.72 | 0.43 | 0.75 | 0.48 | 12.84 |
| Superior | 2.38 | 2.49 | 3.40 | 1.43 | 1.74 | 2.63 | 2.20 | 1.00 | 1.44 | 1.12 | 1.52 | 1.60 | 22.95 |
| Thompson Falls | 2.79 | 2.47 | 3.84 | 0.83 | 1.87 | 3.15 | 3.05 | 0.98 | 1.73 | 1.49 | 2.13 | 1.62 | 25.95 |
| Three Forks | 0.41 | 0.51 | 0.38 | 0.88 | 0.79 | 2.91 | 1.02 | 0.80 | 0.94 | 1.21 | T. | 0.59 | 10.44 |
| Trout Creek | 3.80 | 3.47 | 5.36 | 0.88 | 2.21 | 4.19 | 2.72 | 1.33 | 2.21 | 0.97 | 3.57 | 2.59 | 33.30 |
| Upper Yaak River | 3.01 | 2.15 | 3.86 | 1.12 | 1.47 | 3.22 | 1.87 | 0.92 | 2.06 | 1.34 | 1.96 | 1.45 | 24.43 |
| Utica | 0.58 | 1.04 | 0.84 | 1.13 | 2.57 | 3.78 | 1.64 | 1.31 | 1.07 | 1.08 | 0.37 | 1.61 | 17.02 |
| Valentine | 0.38 | 0.25 | 0.13 | 0.60 | 1.47 | 2.42 | 2.10 | 0.53 | 0.96 | 0.12 | 0.35 | 0.63 | 9.94 |
| Valier | 1.41 | 0.43 | 0.54 | 0.52 | 2.64 | 5.19 | 2.91 | 1.46 | 1.53 | 1.32 | 0.45 | 0.48 | 18.88 |
| Victor | 1.20 | | | | | | 0.74 | 1.05 | 1.13 | 0.93 | 1.63 | 1.30 | |
| Virginia City | | 0.10 | 1.03 | 0.76 | 1.31 | | 0.82 | 1.92 | 0.85 | 1.10 | | 0.55 | |
| Wheaton | 1.08 | 1.18 | 0.38 | 0.73 | 1.49 | 4.48 | 1.26 | 1.49 | 0.65 | 1.22 | 0.25 | 1.54 | 15.75 |
| White Sulphur Springs | 0.46 | 0.55 | 0.37 | 0.72 | 1.94 | 3.85 | 0.91 | 0.90 | 1.33 | 0.37 | 0.10 | 0.86 | 12.36 |
| White Water | 0.83 | 0.36 | 1.37 | 0.74 | 2.72 | 3.18 | 4.30 | 0.79 | 1.53 | 0.16 | 0.10 | 0.37 | 16.15 |
| Wibaux | 0.90 | T. | 0.47 | 1.25 | 2.00 | 6.45 | 2.19 | 2.90 | 2.65 | 1.20 | 0.30 | 1.00 | 21.31 |
| Wilder | 0.99 | 0.07 | 0.20 | 0.55 | 1.83 | 3.81 | 4.26 | 0.18 | 1.16 | 1.06 | 0.26 | 1.18 | 15.55 |
| Wolf Creek | 3.37 | 1.40 | 0.31 | 1.14 | 3.43 | 5.31 | 2.48 | 0.87 | 1.55 | | | 1.94 | |
| Zortman | 1.50 | | | | | | | | | | | | |
| *Nebraska.* | | | | | | | | | | | | | |
| Ainsworth | 1.65 | 0.45 | 0.10 | 1.66 | 3.04 | 4.56 | 1.46 | 3.24 | 0.19 | 0.94 | 1.07 | 0.59 | 18.95 |
| Albion | 1.03 | 0.80 | 0.36 | 0.88 | 3.29 | 3.71 | 1.49 | 3.36 | 1.42 | 1.15 | 0.50 | 0.89 | 18.88 |
| Alliance | | 0.86 | 0.38 | 1.45 | 2.68 | 1.32 | 2.36 | 3.01 | 0.76 | 1.61 | 0.55 | 0.39 | |
| Alma | 0.74 | 0.17 | 1.03 | 1.09 | 2.38 | 4.39 | 0.71 | 3.97 | 0.33 | 1.62 | 0.10 | 0.62 | 17.15 |
| Arcadia | 0.56 | 0.49 | 0.20 | 0.65 | 2.99 | 2.72 | | | | | | | |
| Arden | 1.12 | 0.38 | 0.36 | 1.52 | 3.09 | 4.60 | 1.94 | 3.26 | 3.35 | 0.77 | 1.05 | 0.69 | 22.13 |
| Ashland | 1.26 | 0.40 | 0.64 | 1.13 | 3.25 | 3.15 | 1.66 | 4.45 | 0.76 | 0.98 | 0.86 | 0.37 | 18.91 |
| Atkinson | 0.60 | 0.32 | 0.30 | 0.80 | 4.25 | 3.28 | 0.90 | 2.18 | 2.31 | 0.48 | 1.00 | 0.50 | 16.92 |
| Auburn | 2.61 | 0.25 | 0.47 | 2.36 | 7.45 | 4.50 | 2.57 | 5.87 | 2.20 | 1.66 | 1.58 | 1.15 | 32.67 |
| Aurora | 0.62 | 0.68 | 0.94 | 3.14 | 4.31 | 4.31 | 1.75 | 7.34 | 0.77 | 2.14 | | 0.70 | |
| Beatrice | 1.44 | 0.19 | 1.60 | 1.49 | 5.13 | 3.24 | 2.56 | 5.66 | 3.96 | 1.13 | 0.49 | 0.16 | 27.05 |
| Beaver City | 0.88 | 0.14 | 0.46 | 1.59 | 2.25 | 5.17 | 0.86 | 4.53 | 0.88 | 2.33 | 0.25 | 0.60 | 19.94 |
| Bellevue | 2.66 | 0.58 | 0.42 | 1.99 | 3.39 | 4.53 | 0.77 | 1.58 | 2.50 | 1.10 | 0.34 | 0.44 | 20.30 |
| Benkelman | 0.25 | 0.75 | 2.15 | 3.00 | 5.05 | 5.01 | 4.77 | | | | | | |
| Bertrand | 0.42 | 0.20 | 0.24 | 2.92 | 3.46 | 5.18 | 1.26 | 5.69 | 1.22 | 1.97 | 0.08 | 0.83 | 23.47 |
| Bigspring | | | | | 1.96 | 2.19 | 1.58 | 3.89 | 0.43 | 0.81 | 0.61 | 0.35 | |
| Blair | 1.82 | 0.34 | 0.64 | 1.78 | 3.69 | 2.06 | 2.81 | 3.44 | 0.79 | 1.42 | 1.74 | 0.77 | 21.30 |
| Blake | 0.72 | 0.35 | 0.22 | 0.75 | 4.72 | 1.79 | 2.18 | 2.47 | 5.06 | 0.99 | 0.90 | 0.62 | 20.77 |
| Bloomfield | 1.30 | 0.60 | 0.37 | 2.13 | 2.48 | 3.89 | 2.19 | 1.46 | 3.48 | 0.45 | 0.50 | 0.30 | 19.15 |
| Bradshaw | 0.81 | 0.80 | 0.37 | 4.21 | 6.68 | 3.86 | 2.26 | 5.41 | 1.04 | 1.51 | 0.45 | 0.14 | 27.54 |
| Brewster | 0.69 | 0.26 | 0.13 | 0.66 | 2.66 | 3.41 | 2.99 | 3.96 | 3.09 | 0.55 | 0.76 | 0.21 | 19.37 |
| Bridgeport | 0.21 | 0.38 | 0.50 | 1.32 | 3.93 | 1.05 | 1.77 | 3.27 | 0.79 | 0.77 | 0.55 | 0.35 | 14.89 |
| Broken Bow | | | 0.18 | 1.16 | 3.61 | 3.24 | 4.12 | 3.16 | 2.71 | 0.60 | 0.35 | 0.42 | |
| Bruning | 0.93 | 0.50 | 0.37 | 2.25 | 5.16 | 4.28 | 1.03 | 6.35 | 1.15 | 1.24 | 0.86 | 0.60 | 24.72 |
| Burwell | 1.01 | 0.25 | 0.27 | 0.30 | 3.71 | 2.63 | 1.76 | 4.42 | 3.02 | 0.64 | 0.40 | 0.36 | 18.77 |
| Butte | 0.76 | 0.14 | 0.15 | 1.41 | 4.52 | 5.27 | 0.77 | 2.72 | 0.52 | 0.62 | 0.51 | 0.30 | 17.69 |
| Cairo | | | | 2.96 | 3.67 | 4.28 | 0.59 | 4.79 | 1.47 | 1.73 | 0.00 | 0.75 | |
| Callaway | 0.53 | 0.47 | 0.31 | 1.26 | 3.72 | 2.68 | 2.87 | 2.80 | | | | | |
| Cambridge | 0.67 | 0.08 | 0.59 | 1.83 | 2.40 | 4.58 | 0.50 | | 1.64 | 2.14 | 0.10 | 0.35 | |
| Central City | 0.75 | 0.26 | | | | | | | | | | | |
| Chadron | | 0.52 | 0.41 | 1.15 | 4.97 | 3.44 | 2.38 | 0.82 | 0.00 | 0.59 | 0.91 | 0.23 | |
| Clay Center | 0.53 | 0.45 | 0.65 | 2.67 | 5.31 | 3.67 | 0.62 | 4.94 | 0.42 | 0.95 | 0.06 | 0.31 | 20.58 |
| Columbus | 1.26 | 0.12 | 0.51 | 1.61 | 3.52 | 2.64 | 1.31 | 3.15 | 1.03 | 0.68 | 0.57 | 0.36 | 16.76 |
| Crete | 2.23 | 0.25 | 1.11 | 3.75 | 4.19 | 3.22 | 0.54 | 5.78 | 0.70 | 1.07 | 0.56 | 0.47 | 23.87 |
| Culbertson | 0.65 | 0.02 | 0.53 | 1.34 | 3.22 | 5.00 | 1.11 | 5.23 | 0.51 | 0.97 | 0.40 | 0.16 | 19.14 |
| Curtis | 0.60 | 0.30 | 0.10 | 2.10 | 3.80 | 3.30 | 1.10 | 3.50 | 1.00 | 1.50 | 0.15 | 0.38 | 17.83 |
| Dalton | 0.20 | 0.45 | 0.38 | 1.39 | 2.25 | 1.05 | 2.03 | 1.60 | 1.27 | 0.92 | 1.47 | | |
| David City | 1.20 | 0.39 | 0.87 | 2.05 | 4.76 | 2.91 | 1.21 | 2.31 | 0.36 | 1.55 | 0.49 | 1.05 | 19.15 |
| Drexel | 1.46 | 0.48 | 0.63 | 1.79 | 6.22 | 3.13 | 0.51 | 4.36 | 0.75 | 1.17 | 1.32 | 0.66 | 22.48 |
| Dumas | 0.79 | 0.33 | 0.06 | 1.26 | 5.47 | 4.37 | 1.38 | 2.18 | | 0.68 | 1.05 | 0.19 | |
| Edison | 0.75 | 0.21 | 0.64 | 2.11 | 2.98 | 6.54 | 1.28 | 5.29 | 0.72 | 1.94 | 0.09 | 0.22 | 22.77 |
| Elm Creek | 0.56 | 0.32 | 0.10 | 3.30 | 2.61 | 4.05 | 1.73 | 3.73 | 1.35 | 2.14 | 0.00 | 0.74 | 20.63 |
| Elsie | 0.26 | 0.15 | 0.15 | 0.77 | 1.55 | 3.40 | 0.47 | 3.07 | 0.20 | 1.05 | 0.60 | 0.14 | 11.81 |
| Erickson | 0.95 | 0.20 | | 0.66 | 3.86 | 2.49 | 1.27 | 3.13 | 3.52 | 0.72 | 0.40 | | |
| Ewing | 0.60 | 0.40 | 0.15 | 1.84 | 5.38 | 3.82 | 3.60 | 4.27 | 2.67 | 0.73 | 1.14 | 0.75 | 25.35 |
| Fairbury | 1.95 | 0.32 | 1.10 | 2.19 | 5.02 | 4.15 | 3.51 | 2.75 | 1.20 | 1.43 | 0.54 | 0.83 | 24.99 |
| Fairmont | 1.03 | 0.45 | 0.62 | 2.32 | 4.43 | 3.07 | 1.13 | 5.66 | 1.16 | 1.02 | 0.63 | 0.47 | 21.99 |
| Falls City | 2.24 | 0.50 | 0.33 | 3.09 | 8.24 | 2.64 | 2.73 | 6.72 | 5.98 | 1.75 | 2.62 | 1.18 | 38.02 |
| Fort Robinson | 0.10 | 0.70 | 0.40 | | 2.26 | 2.14 | 1.00 | 0.55 | 0.10 | 1.42 | 1.00 | 0.52 | |
| Franklin | 0.83 | 0.30 | 0.88 | 1.81 | 1.94 | 4.04 | 1.42 | 5.66 | 0.57 | 1.37 | 0.02 | 0.47 | 19.30 |
| Fremont | 1.50 | 0.55 | 1.08 | 1.99 | 5.01 | 2.49 | 0.40 | 4.72 | 0.55 | 1.13 | 1.32 | 0.92 | 21.66 |
| Fullerton | 1.80 | 0.70 | 0.80 | 0.64 | 5.61 | 2.38 | 1.07 | 3.86 | 1.19 | 0.50 | 0.48 | 0.50 | 19.53 |
| Geneva | 1.26 | 0.41 | 0.85 | 2.83 | 3.86 | 4.02 | 0.76 | 5.89 | 2.75 | 1.09 | 0.37 | 0.75 | 24.84 |
| Genoa | 1.69 | 0.35 | 0.67 | 0.52 | 2.81 | 3.57 | 0.91 | 3.16 | 1.09 | 1.09 | 0.83 | 0.87 | 17.56 |
| Gordon | 0.60 | 0.31 | 0.77 | 1.60 | 4.07 | 4.29 | 2.07 | 1.22 | 0.50 | 1.46 | 0.63 | 0.38 | 17.90 |
| Gosper | 0.61 | 0.30 | 0.40 | 3.22 | 2.44 | 4.60 | 0.77 | 5.56 | 0.93 | 2.09 | 0.06 | 0.35 | 21.33 |
| Gothenburg | 0.60 | 0.50 | 0.30 | 1.80 | 2.88 | 3.58 | 2.95 | 2.78 | 1.60 | 1.45 | 0.17 | 0.60 | 19.21 |
| Grand Island | 1.21 | 0.46 | 0.42 | 1.79 | 3.34 | 3.34 | 0.64 | 5.78 | 0.36 | 1.67 | 0.16 | 0.89 | 20.06 |
| Grant | | 0.18 | 0.09 | 0.75 | 2.02 | 2.61 | 2.37 | 5.72 | 0.20 | | | | |
| Greeley | | | | 0.45 | 3.08 | 2.33 | 0.44 | 1.98 | 2.45 | | | 0.39 | |
| Gresham | 0.88 | 0.45 | 0.85 | 2.10 | 3.17 | 3.05 | 0.44 | 5.22 | 0.80 | 1.07 | 0.57 | 0.27 | 18.87 |
| Guide Rock | 0.78 | 0.60 | 0.90 | 1.32 | 4.28 | 7.03 | 2.08 | 2.65 | 1.51 | 1.41 | 0.05 | 1.10 | 23.71 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Nebraska*—Continued. | | | | | | | | | | | | | |
| Heigler | ..... | ..... | 0.25 | 1.55 | 1.45 | 2.74 | 1.92 | 3.28 | 0.35 | 0.95 | ..... | ..... | ..... |
| Halsey | 1.05 | 0.21 | 0.07 | 0.56 | 2.03 | 2.40 | 2.24 | 2.64 | 2.59 | 2.44 | 0.90 | 0.80 | 15.93 |
| Harrison | 0.45 | 0.65 | 0.87 | 1.28 | 3.80 | 5.94 | 0.94 | 1.77 | 0.03 | 1.29 | 0.91 | 0.70 | 18.63 |
| Hartington | 1.22 | 0.45 | 0.80 | 3.28 | 4.60 | 5.36 | 3.55 | 2.55 | 3.73 | 0.80 | 0.72 | 0.80 | 27.86 |
| Hastings | 0.95 | 0.65 | 1.55 | 2.71 | 3.55 | 3.03 | 0.60 | 3.59 | 0.40 | 1.43 | 0.10 | 0.58 | 19.14 |
| Hayes Center | 1.00 | 0.05 | 0.80 | 1.49 | 2.86 | 4.13 | 0.82 | 4.52 | 1.10 | 1.90 | 0.70 | 0.75 | 20.12 |
| Hay Springs | 0.90 | 0.90 | 0.60 | 1.92 | 5.46 | 4.88 | 2.05 | 1.84 | 0.23 | 1.95 | 0.80 | 0.20 | 21.73 |
| Hebron | 1.32 | 0.23 | 0.46 | 2.27 | 4.71 | 5.50 | 1.34 | 3.46 | 0.58 | 1.30 | 0.54 | 0.45 | 22.16 |
| Hemingford | 0.14 | 0.41 | 0.28 | 1.18 | 2.85 | 1.77 | 1.16 | 2.26 | 0.35 | 1.00 | 0.52 | 0.15 | 12.07 |
| Hendley | 0.67 | 0.05 | 0.59 | 1.89 | 2.24 | 5.60 | 1.11 | ..... | ..... | ..... | ..... | ..... | ..... |
| Hershey | 0.95 | 0.75 | 0.15 | 0.56 | 1.70 | 2.62 | 6.68 | 3.22 | 0.15 | 1.00 | 0.48 | 0.42 | 18.68 |
| Hillside | 0.12 | 0.26 | 0.15 | 0.77 | 1.75 | 2.55 | 2.51 | 3.36 | 1.19 | 0.61 | 0.83 | 0.30 | 14.40 |
| Holdredge | 0.42 | 0.55 | 0.36 | 2.63 | 3.62 | 4.85 | 2.32 | 7.19 | 0.25 | 1.05 | 0.10 | 0.50 | 23.84 |
| H. O. Ranch | 0.25 | 0.17 | 0.15 | 0.82 | 1.79 | 3.72 | 1.31 | 3.73 | 0.26 | 1.37 | 0.52 | 0.43 | 14.52 |
| Hull | 0.87 | 0.15 | 0.16 | 1.74 | 3.62 | 0.63 | 3.99 | 1.22 | 0.72 | 2.02 | 0.50 | 0.45 | 16.07 |
| Imperial | 0.56 | 0.10 | 0.96 | 0.85 | 1.94 | 2.46 | 2.56 | 5.72 | 0.78 | 2.14 | 0.74 | 0.52 | 19.33 |
| Kearney | 1.13 | 0.44 | 0.22 | 3.78 | 3.13 | 3.66 | 0.92 | 6.85 | 0.90 | 1.41 | 0.08 | 0.62 | 23.14 |
| Kimball | 0.25 | 0.55 | 0.20 | 1.07 | 3.70 | 0.93 | 2.75 | 1.61 | 0.88 | 1.59 | 0.30 | 0.55 | 14.38 |
| Kirkwood | 0.80 | 0.25 | 0.15 | 0.81 | 4.69 | 6.54 | 1.24 | 1.98 | 0.99 | 0.52 | 0.35 | 0.35 | 18.67 |
| Kola | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.64 | 0.41 | 0.33 | 0.11 | ..... |
| Kowanda | 0.27 | 0.50 | 0.05 | 1.07 | 1.97 | 1.82 | 1.61 | 2.57 | 1.11 | 0.67 | 0.97 | 0.32 | 12.93 |
| Lexington | 0.38 | 0.55 | 0.40 | 4.05 | 2.63 | 2.98 | 1.78 | 2.03 | 1.13 | 2.96 | 0.10 | 0.50 | 19.49 |
| Lincoln | 1.44 | 0.35 | 0.99 | 2.69 | 3.48 | 3.11 | 1.29 | 6.70 | 1.03 | 1.11 | 0.38 | 0.48 | 23.05 |
| Lodgepole | 0.30 | 0.50 | 0.10 | 1.37 | 1.95 | 1.29 | 1.76 | 2.26 | 1.57 | 0.85 | 0.97 | 0.40 | 13.32 |
| Loup City | 0.74 | 0.18 | 0.32 | 0.96 | 4.31 | 3.02 | 1.46 | 1.85 | 3.10 | 1.17 | 0.17 | 0.23 | 17.51 |
| McCook | 1.16 | T. | 0.15 | 0.54 | 3.39 | 4.25 | 0.41 | 3.73 | 0.82 | 0.57 | 0.15 | 0.18 | 15.35 |
| McCool Junction | 0.50 | 0.65 | 0.50 | 2.50 | 4.75 | 4.10 | 2.18 | 3.88 | 1.25 | 1.11 | 0.30 | 0.90 | 22.67 |
| Madison | 1.55 | 0.50 | 0.30 | 1.43 | 3.30 | 2.75 | 2.09 | 2.82 | 1.06 | 1.10 | 1.22 | 1.25 | 19.37 |
| Marquette | 0.74 | 0.32 | 0.71 | 0.92 | 3.56 | 2.72 | 0.52 | 4.89 | 0.26 | 1.89 | 0.16 | 0.19 | 16.88 |
| Mary | 0.66 | 0.10 | 0.20 | 0.65 | 2.17 | 3.05 | 2.96 | 2.62 | 2.39 | 0.66 | 0.93 | 0.40 | 14.79 |
| Mason City | 0.88 | 0.40 | 0.42 | 0.86 | 2.27 | 2.40 | 1.11 | 0.85 | 1.65 | 0.90 | 0.40 | 0.85 | 12.99 |
| Minatare | 0.39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Minden | 0.37 | 0.39 | 0.67 | 3.64 | 3.30 | 4.37 | 1.47 | 6.83 | 0.86 | 0.87 | 0.08 | 0.58 | 23.43 |
| Mitchell | 0.19 | 0.16 | 0.09 | 0.49 | 1.70 | 1.84 | 1.37 | 1.91 | 0.41 | 1.20 | 0.47 | 0.30 | 10.13 |
| Nebraska City | 1.59 | 0.35 | 0.48 | 2.13 | 4.85 | 4.11 | 1.08 | 4.65 | 0.99 | 1.30 | 1.30 | 0.90 | 23.73 |
| Nelson | 0.35 | 0.30 | 0.59 | 1.18 | 3.02 | 3.99 | 1.56 | 6.63 | 1.27 | 1.36 | 0.05 | 0.72 | 21.02 |
| Nenzel | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.42 | 0.74 | 0.21 | 0.50 | ..... |
| Norfolk | 0.92 | 0.32 | 0.22 | 1.18 | 3.57 | 4.98 | 2.72 | 4.38 | 2.21 | 0.98 | 1.00 | 1.06 | 23.54 |
| North Loup | 0.51 | 0.40 | 0.25 | 0.40 | 3.54 | 4.15 | 2.11 | 2.43 | 3.12 | 0.88 | 0.45 | 0.06 | 18.30 |
| North Platte | 0.85 | 0.81 | 0.20 | 0.72 | 1.95 | 3.09 | 0.59 | 2.35 | 0.70 | 0.81 | 0.47 | 0.42 | 12.96 |
| Oakdale | 1.17 | 0.19 | 0.38 | 1.35 | 2.83 | 4.58 | 2.48 | 4.05 | 3.21 | 1.08 | 0.63 | 0.50 | 22.45 |
| Ogallala | 0.39 | 0.30 | 0.10 | 0.87 | 3.44 | 1.58 | 3.04 | 3.99 | 0.28 | 0.65 | 0.45 | 0.70 | 15.79 |
| Omaha | 2.20 | 0.54 | 0.35 | 1.72 | 4.57 | 2.58 | 0.45 | 2.74 | 1.76 | 1.17 | 0.73 | 0.65 | 19.46 |
| O'Neill | 0.66 | 0.16 | 0.08 | 3.04 | 3.49 | 2.88 | 0.86 | 1.63 | 2.34 | 0.38 | 0.60 | 0.39 | 16.51 |
| Ord | 0.34 | 0.16 | 0.08 | 0.20 | 3.77 | 2.66 | 3.18 | 3.00 | 5.09 | 0.64 | 0.40 | 0.12 | 19.64 |
| Orleans | 0.75 | 0.25 | 0.75 | 1.08 | 3.28 | 4.98 | 0.76 | 6.40 | 0.00 | 1.57 | 0.00 | 0.45 | 20.27 |
| Osceola | 1.00 | 0.80 | 0.75 | 0.91 | 3.33 | ..... | ..... | ..... | ..... | ..... | 0.45 | 0.55 | ..... |
| Oshkosh | 0.24 | 0.54 | 0.08 | 1.06 | 2.69 | 1.66 | 2.57 | 3.41 | 1.02 | 0.74 | 0.77 | 0.31 | 15.09 |
| Palisade | 0.55 | 0.05 | 0.40 | 1.65 | 2.62 | 4.93 | 0.47 | 3.82 | 0.96 | 1.22 | 0.10 | 0.18 | 16.95 |
| Pawnee City | 1.65 | 0.30 | 0.28 | 2.47 | 9.63 | 2.98 | 1.70 | 4.92 | 1.94 | 2.80 | 1.55 | 0.78 | 31.00 |
| Paxton | 0.28 | 0.70 | 0.10 | 0.74 | 1.86 | 2.14 | 2.62 | 3.40 | 0.20 | 0.77 | 0.60 | 0.46 | 13.87 |
| Plainview | ..... | ..... | ..... | 1.50 | 2.90 | 5.72 | 1.80 | 1.97 | 1.87 | 0.70 | 0.30 | 0.70 | ..... |
| Plattsmouth | ..... | ..... | 0.48 | 1.85 | 4.25 | 3.27 | 0.62 | ..... | ..... | ..... | ..... | ..... | ..... |
| Purdum | 0.95 | 0.50 | 0.12 | 0.44 | 1.97 | 2.02 | 2.77 | 2.53 | 2.08 | 0.56 | 0.87 | 0.63 | 15.44 |
| Ravenna | 0.92 | 0.33 | 0.41 | 1.48 | 2.87 | 4.12 | 0.87 | 4.06 | 1.38 | 1.25 | 0.12 | 0.42 | 18.23 |
| Red Cloud | 0.77 | 0.24 | 0.44 | 1.26 | 2.87 | 5.11 | 0.92 | 4.24 | 0.68 | 1.08 | 0.03 | 0.43 | 18.07 |
| St. Libory | 0.60 | 0.50 | 1.20 | 1.37 | 4.30 | 3.27 | 1.16 | 3.83 | 2.39 | 1.62 | 0.22 | 0.80 | 21.26 |
| St. Paul | 0.82 | 0.22 | 0.32 | 0.83 | 3.89 | 3.31 | 0.76 | 4.01 | 1.20 | 0.85 | 0.10 | 0.35 | 16.66 |
| Santee | ..... | ..... | ..... | ..... | ..... | ..... | 0.66 | 0.85 | 2.41 | ..... | 0.25 | 0.20 | ..... |
| Schuyler | 1.29 | 0.35 | 0.65 | 1.18 | 3.43 | 3.19 | 1.93 | 2.98 | 0.97 | 0.89 | 0.51 | 0.72 | 18.09 |
| Scottsbluff | 0.40 | 0.38 | 0.48 | 0.58 | 2.71 | 1.07 | 2.44 | 1.75 | 0.42 | 1.26 | 0.49 | 0.57 | 12.55 |
| Seward | 1.57 | 0.72 | 0.65 | 2.37 | 4.59 | 3.20 | 4.00 | 4.19 | 2.93 | 1.09 | 1.24 | 1.25 | 27.80 |
| Sidney | 0.64 | 0.20 | 0.15 | 2.04 | 2.20 | 1.25 | 2.61 | 2.23 | 1.65 | 1.03 | 0.45 | 0.43 | 14.88 |
| Springfield | 1.10 | 0.92 | 0.46 | 1.17 | 3.32 | 3.68 | 1.51 | 2.37 | 3.20 | 0.86 | 0.77 | 0.36 | 19.72 |
| Stanton | ..... | 0.27 | 0.20 | 0.93 | 3.22 | 3.58 | 4.29 | 4.20 | 1.66 | 1.11 | 1.07 | 1.09 | ..... |
| Stratton | 0.00 | 0.00 | 0.00 | 0.53 | 2.01 | 3.14 | 0.58 | 3.14 | 0.60 | 0.70 | ..... | ..... | ..... |
| Superior | 0.56 | 0.17 | 0.75 | 2.08 | 4.30 | 3.45 | 0.35 | 1.67 | ..... | ..... | ..... | ..... | ..... |
| Syracuse | 1.83 | 0.45 | 0.46 | 2.46 | 3.62 | 4.75 | 3.89 | 6.11 | 2.15 | 1.08 | 0.91 | 1.19 | 28.90 |
| Table Rock | 2.36 | 0.22 | 0.42 | 2.78 | 9.24 | 3.27 | 2.36 | 3.79 | 1.57 | 1.47 | 1.40 | 0.67 | 29.82 |
| Tecumseh | 1.62 | 0.45 | 0.33 | 2.09 | 6.84 | 4.69 | 2.58 | 4.07 | 2.50 | 1.61 | 1.51 | 1.35 | 29.64 |
| Tekamah | 1.45 | 0.35 | 1.07 | 1.76 | 3.65 | 3.02 | 0.89 | 3.67 | 3.06 | 1.71 | 1.88 | 1.72 | 24.23 |
| University Farm | 1.25 | 0.31 | 1.07 | 2.56 | 3.13 | 3.42 | 1.20 | 6.76 | 0.95 | 0.80 | 0.57 | 0.53 | 22.55 |
| Upland | 0.75 | 0.58 | 0.45 | 2.65 | 2.79 | 5.03 | 2.43 | 5.46 | 0.48 | 0.95 | 0.00 | 0.45 | 22.02 |
| Utica | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.92 | 0.31 | 0.35 | ..... |
| Valentine | 0.74 | 0.27 | 0.16 | 0.59 | 3.42 | 3.15 | 1.95 | 4.45 | 0.32 | 0.65 | 0.24 | 0.49 | 16.43 |
| Wahoo | 1.05 | 0.75 | 0.50 | 2.87 | 3.93 | 2.22 | 3.73 | 4.85 | 0.45 | 1.56 | 1.10 | 0.45 | 23.46 |
| Wakefield | 1.23 | 0.26 | 0.47 | 1.25 | 4.04 | 3.26 | 1.90 | 4.13 | 2.77 | 2.19 | 0.88 | 1.32 | 23.70 |
| Walthill | 1.52 | 0.37 | 1.11 | 0.73 | 5.16 | 3.07 | 0.83 | 3.71 | 2.52 | 1.31 | 0.81 | 1.60 | 22.74 |
| Watertown | 0.77 | 0.70 | 0.60 | 2.55 | 2.59 | 3.93 | 1.77 | 2.86 | 1.15 | 1.68 | 0.10 | 0.52 | 19.22 |
| Waumeta | 0.55 | 0.11 | 0.28 | 0.92 | 1.89 | 3.08 | 1.56 | 4.01 | 0.67 | 1.53 | 0.16 | 0.19 | 14.95 |
| Weeping Water | ..... | 0.50 | 0.55 | 2.21 | 4.60 | 4.33 | 0.73 | 7.01 | 2.94 | 1.13 | 0.83 | 0.73 | ..... |
| West Point | 1.50 | 0.30 | 0.99 | 1.45 | 6.32 | 3.82 | 2.28 | 4.78 | 2.93 | 1.50 | 0.90 | 1.98 | 28.75 |
| Whitman | 0.57 | 0.50 | 1.30 | 0.49 | 2.15 | 2.32 | 2.77 | 3.40 | 0.38 | 1.21 | 0.60 | 0.55 | 16.24 |
| Wisner | 0.89 | 0.35 | 0.69 | 1.26 | 4.27 | 4.10 | 3.05 | 2.86 | 1.95 | 1.50 | 0.75 | 1.50 | 23.17 |
| York | 0.89 | 0.43 | 0.55 | 3.25 | 4.85 | 3.49 | 1.16 | 5.81 | 0.82 | 1.15 | 0.25 | 0.60 | 23.25 |
| *Nevada.* | | | | | | | | | | | | | |
| Arthur | 4.52 | 3.15 | 1.31 | 0.13 | 0.37 | 0.00 | 0.25 | T. | 0.42 | 2.72 | 0.34 | 2.19 | 15.40 |
| Austin | 2.63 | 0.96 | 1.48 | 0.72 | 0.22 | 0.00 | 0.01 | T. | 1.28 | 3.39 | 0.80 | 0.50 | 11.99 |
| Battle Mountain | 1.40 | 0.72 | 0.52 | T. | T. | 0.00 | 0.00 | 0.00 | ..... | ..... | ..... | ..... | ..... |
| Belmont | ..... | T. | 1.55 | 0.61 | 0.32 | 0.00 | 0.00 | 0.25 | 0.13 | 3.83 | 0.10 | ..... | ..... |
| Beowawe | 1.91 | 0.73 | 0.52 | 0.27 | 0.32 | 0.00 | 0.07 | 0.00 | 0.12 | ..... | 0.00 | 0.56 | ..... |
| Caliente | 3.18 | 1.85 | 2.00 | 1.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Carlin | 3.32 | 0.30 | 0.30 | 0.01 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cherry Creek | 3.55 | 0.57 | 1.89 | 1.07 | 0.89 | 0.14 | 0.18 | 0.30 | 0.21 | 2.51 | 0.42 | 0.92 | 12.65 |
| Clover Valley | 2.44 | 2.72 | 1.08 | 0.53 | 0.85 | 0.06 | 0.32 | 0.14 | 0.05 | 1.29 | 0.83 | 1.96 | 12.27 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Nevada*—Continued. | | | | | | | | | | | | | |
| Dry Farm | 1.45 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Duck Flat | 3.67 | 0.46 | 0.69 | 0.32 | 0.68 | 0.00 | 0.16 | 0.18 | T. | 1.19 | 0.49 | 0.52 | 8.27 |
| Elko | 5.71 | 1.83 | 2.20 | T. | 0.50 | 0.00 | 0.30 | 0.25 | 0.20 | 1.98 | 0.59 | 1.50 | 15.06 |
| Eureka | 3.18 | 0.41 | 1.88 | 2.48 | 2.09 | 0.18 | 0.37 | ..... | 0.53 | 3.99 | 0.48 | 0.41 | ..... |
| Fernley | 2.63 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fallon | 2.34 | 0.34 | 0.23 | 0.16 | 0.00 | 0.00 | 0.00 | 0.09 | 0.75 | 1.12 | 0.00 | 0.27 | 5.30 |
| Francis | 4.66 | 0.85 | 0.34 | 0.23 | 0.21 | 0.18 | 0.00 | 0.15 | 0.73 | 0.82 | 0.08 | 0.69 | 8.94 |
| Franktown | ..... | 1.30 | 0.38 | 0.36 | T. | T. | 0.00 | T. | 0.42 | ..... | ..... | ..... | ..... |
| Gardnerville | 6.10 | 0.39 | 0.03 | 0.00 | T. | 0.00 | 0.00 | 0.05 | 0.52 | 1.38 | 0.35 | 0.59 | 9.41 |
| Gerlach | ..... | 0.14 | 0.09 | 0.10 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.00 | 0.21 | ..... |
| Glenbrook | 12.98 | 2.81 | 1.20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Golconda | 2.16 | 0.56 | 0.17 | 0.00 | 0.10 | 0.00 | 0.00 | 0.01 | 0.38 | 0.78 | 0.01 | 0.54 | 4.71 |
| Gold Creek | 3.48 | 3.12 | 0.82 | 0.33 | 1.02 | 0.05 | 0.24 | 0.17 | T. | 0.41 | 0.33 | 2.26 | 12.23 |
| Goldfield | 2.60 | 0.45 | 0.70 | 0.58 | 0.72 | 0.00 | 0.15 | 0.94 | 0.25 | 1.10 | 0.22 | 0.32 | 8.03 |
| Halleck | 1.92 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hylton | 1.93 | 1.12 | 2.09 | 0.97 | 1.49 | 0.00 | 0.02 | 0.07 | 0.23 | 2.85 | 1.16 | 1.32 | 13.25 |
| Imlay | 1.62 | 0.93 | T. | 0.00 | ..... | 0.00 | T. | 0.00 | 1.00 | 1.61 | 0.15 | 0.18 | ..... |
| Indian Springs | ..... | ..... | ..... | ..... | ..... | ..... | 0.33 | 0.19 | ..... | 0.67 | 0.00 | ..... | ..... |
| Jack Creek | 6.83 | 2.10 | 2.70 | 0.60 | 1.84 | 0.10 | 0.40 | 0.82 | 0.39 | 3.48 | 2.05 | ..... | ..... |
| Jungo | 1.01 | 0.77 | 0.14 | 0.04 | 0.10 | 0.00 | T. | T. | 0.40 | 1.29 | T. | 0.56 | 4.31 |
| Lahontan | 3.43 | 0.39 | 0.32 | 0.00 | T. | T. | 0.00 | T. | 0.58 | 1.88 | T. | 0.16 | 6.76 |
| Lamoille | ..... | ..... | ..... | ..... | ..... | ..... | 0.55 | 0.18 | 0.19 | 5.21 | 0.87 | 1.55 | ..... |
| Las Vegas | 4.67 | 0.25 | T. | 0.00 | 0.05 | 0.00 | 0.73 | 0.53 | 0.55 | 0.95 | 0.00 | 0.38 | 8.11 |
| Lida | 4.01 | 0.78 | 0.58 | 0.38 | 0.67 | 0.00 | 0.68 | ..... | ..... | 2.61 | 0.00 | ..... | ..... |
| Logan | 1.57 | 0.72 | 0.00 | 0.10 | 0.18 | 0.00 | 1.06 | 1.04 | 0.10 | 0.55 | 0.00 | 0.21 | 5.53 |
| Lovelock | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.05 | ..... |
| McDermitt | 2.61 | 1.38 | 0.16 | 0.68 | 1.21 | 0.16 | 0.29 | T. | 0.01 | 1.37 | 0.45 | 2.06 | 10.38 |
| McGill | 4.61 | 0.69 | 1.13 | 0.19 | 0.64 | 0.29 | 0.18 | 0.34 | 0.08 | 2.14 | 0.40 | 1.67 | 12.36 |
| Mahoney Ranger Station | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.00 | 2.36 | ..... |
| Mariette Lake | 14.46 | 3.20 | 1.96 | 0.12 | 0.55 | 0.30 | 0.00 | 0.00 | 1.22 | 3.86 | 2.21 | 8.06 | 35.94 |
| Metropolis | 2.22 | 1.70 | 0.55 | 0.28 | 1.05 | ..... | 0.30 | T. | 0.35 | 1.07 | 0.23 | 0.40 | ..... |
| Millett | 2.20 | 0.15 | 0.43 | 0.30 | 0.28 | 0.00 | T. | 0.00 | 0.45 | 2.04 | 0.06 | 0.08 | 5.99 |
| Mina | 2.33 | 0.01 | T. | 0.10 | ..... | 0.00 | ..... | ..... | 1.00 | 1.03 | 0.00 | 0.10 | ..... |
| Mount Charleston | ..... | ..... | ..... | ..... | ..... | ..... | 1.22 | 0.07 | 0.50 | ..... | ..... | ..... | ..... |
| North Fork | 3.10 | 0.99 | 0.88 | 0.00 | 0.75 | 0.05 | 0.22 | 0.23 | 0.24 | 1.75 | 0.37 | 1.10 | 9.68 |
| Oasis Ranch | 2.04 | 0.05 | T. | 0.04 | 0.00 | 0.00 | 1.02 | 0.01 | 0.06 | 0.50 | 0.00 | 0.48 | 4.20 |
| Owyhee | 1.48 | 2.09 | ..... | ..... | ..... | ..... | ..... | 0.46 | 0.02 | ..... | ..... | ..... | ..... |
| Pahrump | ..... | ..... | ..... | ..... | ..... | ..... | 0.64 | 0.42 | 0.00 | ..... | 0.00 | 0.58 | ..... |
| Paradise Valley | 2.95 | 1.31 | 0.83 | 0.12 | 0.47 | T. | 0.12 | 0.03 | 0.07 | 1.09 | 0.58 | 1.01 | 8.58 |
| Pioche | 6.74 | 1.06 | 1.96 | 0.42 | 0.64 | 0.05 | 1.09 | 1.92 | 0.04 | 2.35 | ..... | ..... | ..... |
| Potts | 2.96 | 0.12 | 1.06 | 0.95 | 0.09 | 0.00 | T. | 0.05 | 0.13 | 0.99 | 0.12 | 0.30 | 6.77 |
| Quinn River Ranch | 2.90 | 0.59 | 0.55 | 0.45 | 0.95 | 0.00 | 0.95 | 0.00 | T. | 0.99 | 0.20 | 0.58 | 8.16 |
| Rebel Creek | 1.15 | 1.06 | 0.71 | 0.68 | 0.95 | 0.14 | 0.28 | 0.06 | 0.08 | 2.37 | 0.46 | 0.55 | 8.49 |
| Reno | 6.76 | 0.59 | 0.33 | 0.11 | T. | 0.11 | T. | 0.04 | 0.35 | 1.13 | 0.05 | 0.97 | 10.44 |
| Rhyolite | 3.71 | 0.61 | 0.28 | 0.00 | 0.45 | 0.00 | 0.15 | 0.20 | 0.30 | 0.58 | 0.00 | 0.13 | 6.41 |
| Sand Pass | 3.66 | 0.46 | 0.29 | 0.40 | 0.54 | T. | T. | 0.00 | 0.14 | 0.83 | 0.14 | 0.76 | 7.22 |
| San Jacinto | 0.61 | 0.94 | 0.82 | 0.26 | 1.00 | 0.10 | 0.85 | 0.28 | 0.10 | 1.54 | 0.20 | 1.20 | 7.90 |
| Searchlight | 3.73 | 0.71 | 0.48 | 0.00 | 0.16 | 0.00 | 0.66 | 0.22 | 0.23 | 0.13 | 0.00 | 0.47 | 6.79 |
| Sharp | 6.30 | 0.20 | 0.92 | 0.20 | 0.33 | ..... | 0.50 | 1.50 | 0.00 | 1.42 | 0.10 | 1.31 | ..... |
| Smith | 4.01 | 0.75 | T. | 0.13 | T. | 0.02 | 0.00 | 0.12 | 0.38 | 0.96 | 0.60 | 0.35 | 7.32 |
| Sulphur | 1.69 | 0.44 | 0.06 | T. | 1.00 | T. | 0.09 | 0.50 | 1.08 | 1.44 | T. | 0.16 | 6.46 |
| Tecoma | 1.52 | 0.38 | 0.35 | 0.00 | 1.08 | 0.00 | 1.23 | 0.10 | 0.00 | 2.12 | 0.04 | 0.38 | 7.20 |
| Thorne | 0.98 | 1.08 | ..... | ..... | ..... | ..... | ..... | ..... | 0.57 | 0.56 | ..... | ..... | ..... |
| Tonopah | 2.02 | 0.28 | 0.57 | 0.66 | 0.26 | 0.00 | 0.13 | 0.54 | 0.17 | 1.35 | 0.09 | 0.52 | 6.59 |
| Vya | 5.41 | 1.51 | 0.20 | 0.41 | 1.60 | 0.48 | 0.41 | 0.80 | 0.00 | 1.60 | 0.95 | 0.72 | 14.09 |
| Wells | 2.81 | 1.09 | 0.70 | 0.01 | 0.17 | 0.10 | 0.20 | 0.10 | 0.10 | ..... | ..... | ..... | ..... |
| Winnemucca | 2.21 | 1.44 | 0.62 | 0.19 | 0.49 | 0.00 | 0.01 | 0.11 | 0.26 | 1.42 | 0.44 | 0.26 | 7.45 |
| Yerington | 3.67 | 0.19 | 0.30 | 0.00 | T. | 0.01 | T. | T. | ..... | ..... | T. | 0.30 | ..... |
| *New Hampshire.* | | | | | | | | | | | | | |
| Alstead Center | 1.28 | 3.63 | 2.47 | 3.13 | 3.20 | 6.26 | 4.13 | 5.33 | 6.54 | 1.40 | 3.07 | 2.27 | 42.71 |
| Bethlehem | 1.69 | 3.07 | 3.28 | 2.39 | 3.48 | 6.32 | 6.02 | 3.23 | 5.25 | 1.19 | 3.71 | 2.84 | 42.74 |
| Concord | 1.22 | 4.18 | 3.01 | 2.96 | 3.95 | 6.26 | 4.55 | 3.45 | 4.37 | 1.34 | 2.63 | 2.21 | 40.13 |
| Durham | 0.60 | 2.36 | 2.20 | 5.29 | 7.78 | 6.79 | ..... | 1.69 | 4.02 | 1.41 | 2.77 | 4.95 | 43.47 |
| Franklin | 1.58 | 4.07 | 3.09 | 3.53 | 4.56 | 9.04 | 4.23 | 3.51 | 6.09 | 1.60 | 3.56 | 3.04 | 46.90 |
| Glencliff | 1.99 | 3.70 | 2.01 | 3.75 | 3.93 | 5.33 | 3.67 | 4.35 | 5.22 | 3.19 | 3.63 | 4.13 | 44.08 |
| Grafton | 0.94 | 4.27 | 2.85 | 3.17 | 3.25 | 4.63 | 3.74 | 2.37 | 3.95 | 1.09 | 2.62 | 2.38 | 35.26 |
| Hanover | 1.29 | 3.35 | 3.01 | 3.06 | 3.57 | 5.42 | 5.54 | 2.85 | 4.96 | 1.04 | 2.44 | 2.41 | 38.94 |
| Keene | 1.57 | 3.84 | 2.78 | 3.29 | 3.25 | 5.70 | 4.48 | 3.27 | 6.00 | 1.27 | 3.71 | 2.64 | 41.86 |
| Nashua | 1.13 | 3.32 | 3.21 | 4.38 | 5.02 | 7.57 | 3.20 | 2.66 | ..... | 1.01 | ..... | ..... | ..... |
| Newton | 1.48 | 4.22 | 2.57 | 4.69 | 5.26 | 7.30 | 3.76 | 2.97 | ..... | 1.14 | 2.55 | 2.71 | ..... |
| Plymouth | 1.77 | 3.60 | 1.97 | 2.27 | 3.88 | 6.02 | 6.62 | 3.43 | 5.20 | 1.47 | 3.55 | 2.14 | 41.52 |
| *New Jersey.* | | | | | | | | | | | | | |
| Asbury Park | 1.21 | 3.93 | 3.05 | 1.64 | 2.16 | 4.28 | 4.24 | 1.59 | 2.55 | ..... | 0.80 | 4.13 | ..... |
| Atlantic City | 2.00 | 4.54 | 4.41 | 1.85 | 3.91 | 2.33 | 4.27 | 1.21 | 1.47 | 1.28 | 2.00 | 4.84 | 34.11 |
| Bayonne | 1.29 | 4.61 | 2.64 | 3.90 | 5.21 | 3.89 | 5.39 | 0.84 | ..... | ..... | ..... | ..... | ..... |
| Belvidere | 1.64 | 3.70 | 3.77 | 4.04 | 2.73 | 5.47 | 6.26 | 1.69 | 3.63 | 1.43 | 2.67 | 4.62 | 41.65 |
| Bergen Point | 1.18 | 5.03 | 3.13 | 4.67 | 5.27 | 4.51 | 5.85 | 1.11 | 3.13 | 1.86 | 1.90 | 4.28 | 41.92 |
| Boonton | 1.32 | 3.69 | 2.81 | 2.85 | 3.59 | 4.35 | 4.21 | 1.01 | 2.86 | 1.20 | 2.99 | 3.69 | 34.57 |
| Bridgeton | 1.96 | 4.35 | 4.15 | 2.52 | 3.43 | 3.99 | 5.24 | 1.23 | 1.83 | 1.52 | 2.07 | 4.55 | 36.84 |
| Burlington | 1.58 | 3.57 | 3.51 | 3.67 | 2.22 | 4.06 | 8.18 | 1.59 | 2.44 | 1.19 | 1.59 | 5.33 | 38.93 |
| Cape May City | 1.62 | 3.95 | 4.79 | 1.84 | 4.02 | 3.11 | 3.55 | 1.03 | 5.29 | 0.90 | 1.92 | 4.16 | 36.18 |
| Charlotteburg | 1.02 | 3.52 | 2.49 | 3.08 | 3.55 | 4.66 | 5.08 | 1.06 | 3.77 | 1.61 | 3.81 | 4.61 | 38.26 |
| Chatham | 1.39 | 5.04 | 3.48 | 6.14 | 3.84 | 5.87 | 9.01 | 0.71 | 3.23 | ..... | ..... | ..... | ..... |
| Clayton | 1.97 | 3.86 | 3.82 | 1.58 | 2.14 | 3.83 | 5.65 | 0.78 | 1.33 | 1.48 | 2.23 | 4.89 | 33.56 |
| Culvers Lake | 1.39 | 3.54 | 3.64 | 4.35 | 3.52 | 5.56 | 7.45 | 1.21 | 3.67 | 0.94 | 3.33 | 3.46 | 42.06 |
| Dover | 1.78 | 4.25 | 3.56 | 4.24 | 2.55 | 4.72 | 5.41 | 1.77 | 2.69 | 1.46 | 3.36 | 5.26 | 41.05 |
| Elizabeth | 1.34 | 5.58 | 3.80 | 4.41 | 4.42 | 4.21 | 5.23 | 0.50 | 3.59 | 1.37 | 1.94 | 4.95 | 41.34 |
| Flemington | 1.53 | 3.03 | 2.94 | 3.04 | 2.32 | 3.03 | 5.47 | 1.20 | 3.33 | 0.85 | 1.93 | 5.24 | 33.96 |
| Haddonfield | 1.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hammonton | ..... | 4.01 | 4.14 | 2.11 | 3.63 | 3.20 | 6.48 | ..... | ..... | ..... | ..... | ..... | ..... |
| Hightstown | 1.38 | 3.36 | ..... | 2.64 | 2.41 | 2.79 | 5.06 | 2.12 | 2.68 | 0.81 | 1.72 | 4.02 | ..... |
| Highwood | 1.23 | 4.89 | 3.59 | 3.64 | 4.46 | 5.99 | 3.95 | 2.23 | 3.29 | 1.72 | 2.35 | 3.42 | 40.76 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *New Jersey*—Continued. | | | | | | | | | | | | | |
| Imlaystown | 1.60 | 3.80 | 3.05 | 3.45 | 3.25 | 2.30 | 3.85 | 2.65 | 1.85 | ..... | ..... | ..... | ..... |
| Indian Mills | 2.07 | 4.97 | 4.76 | 2.76 | 3.65 | 4.50 | 6.35 | 1.54 | 1.96 | 1.44 | 2.07 | 5.90 | 41.97 |
| Jersey City | 0.92 | 4.92 | 3.71 | 4.29 | 4.02 | 5.34 | 4.37 | 0.68 | 3.38 | 1.11 | 1.71 | 4.19 | 38.64 |
| Lakewood | 1.62 | 6.17 | 3.97 | 3.02 | 3.13 | 5.37 | 4.00 | 4.15 | 1.79 | 1.36 | 1.65 | 4.79 | 41.02 |
| Lambertville | 1.49 | 3.02 | 2.83 | 3.42 | 3.34 | 2.73 | 5.30 | 1.84 | 2.77 | 1.21 | 1.96 | 5.00 | 34.91 |
| Layton | 1.50 | 3.80 | 3.44 | 4.96 | 2.90 | 5.18 | 4.43 | 2.35 | 3.41 | 1.57 | 3.18 | 3.55 | 40.27 |
| Little Falls | 1.14 | 4.79 | 2.94 | 4.26 | 3.60 | 5.76 | 3.15 | 1.24 | 3.62 | 2.08 | 2.42 | 3.57 | 38.57 |
| Long Branch | 0.97 | 4.68 | 3.97 | 3.49 | 3.32 | 3.90 | 3.42 | 2.70 | 3.34 | 0.89 | 1.34 | 5.69 | 37.71 |
| Moorestown | 1.57 | 3.57 | 3.56 | 3.56 | 3.32 | 3.78 | 5.42 | 1.57 | 1.81 | 1.05 | 1.60 | 4.96 | 35.77 |
| Newark | 1.14 | 4.13 | 2.38 | 3.40 | 4.02 | 4.22 | 3.76 | 0.27 | 3.66 | 1.14 | 1.81 | 5.12 | 35.05 |
| New Brunswick | 1.48 | 4.42 | 3.12 | 3.52 | 3.17 | 3.39 | 6.96 | 2.61 | 2.53 | 1.38 | 1.95 | 5.24 | 39.77 |
| Newton | ..... | ..... | 2.51 | 3.43 | 2.42 | 5.38 | 6.06 | 1.16 | 2.58 | 0.51 | 2.77 | 3.35 | ..... |
| Northfield | 1.93 | 4.45 | 4.13 | 1.80 | 4.36 | 3.92 | 5.09 | 1.07 | 2.71 | 1.34 | 1.81 | 5.08 | 37.69 |
| Palisades Park | ..... | ..... | 3.75 | 3.68 | 4.06 | 5.29 | 5.28 | 1.07 | 3.06 | 1.44 | 1.94 | 4.12 | ..... |
| Paterson | 1.25 | 5.20 | 3.34 | 4.02 | 4.33 | 4.63 | 4.02 | 0.37 | 2.99 | 2.15 | 2.21 | 4.31 | 38.82 |
| Phillipsburg | 1.40 | 3.67 | 3.37 | 4.04 | 2.51 | 5.18 | 7.87 | 1.07 | 3.70 | 1.21 | 2.37 | 4.36 | 40.75 |
| Plainfield | 1.33 | 4.47 | 3.24 | 3.37 | 3.10 | 4.80 | 6.80 | 1.28 | 2.95 | 1.78 | 1.82 | 4.66 | 39.60 |
| Pleasantville | 1.67 | 2.84 | ..... | 0.90 | 3.33 | ..... | 4.62 | 0.92 | 2.46 | 1.60 | 1.48 | 4.18 | ..... |
| Pomptom Plains | 1.26 | 4.93 | 3.21 | 3.93 | 4.50 | 4.34 | 7.33 | 0.57 | 3.30 | 1.25 | 2.64 | 5.98 | 43.24 |
| Sandy Hook | 1.14 | 4.60 | 3.66 | 3.47 | 3.57 | 3.48 | 3.23 | 1.16 | 1.29 | 0.92 | 1.51 | 4.67 | 32.70 |
| Somerville | 1.01 | 4.50 | 2.84 | 3.71 | 3.09 | 3.19 | 8.75 | 0.63 | 4.23 | 1.23 | 2.09 | 4.57 | 39.84 |
| South Orange | 1.21 | 4.73 | 2.96 | 3.80 | 4.96 | 4.98 | 4.21 | 0.41 | 3.27 | 2.38 | 1.85 | 3.90 | 38.66 |
| Sussex | ..... | 3.47 | 3.79 | 3.50 | ..... | 4.90 | 7.01 | ..... | ..... | ..... | ..... | ..... | ..... |
| Trenton | 1.26 | 3.16 | 2.61 | 2.67 | 2.45 | 2.94 | 5.94 | 1.25 | 2.51 | 0.96 | 1.31 | 44.87 | 31.93 |
| Tuckerton | 2.96 | 3.93 | 4.36 | 2.61 | 3.87 | 4.22 | 6.76 | 1.61 | 1.30 | 1.57 | 2.16 | 6.34 | 41.69 |
| Vineland | 2.13 | 3.37 | 3.30 | 2.10 | 2.79 | 2.22 | 5.38 | 0.72 | 2.44 | 1.45 | 1.83 | 4.50 | 32.23 |
| Woodbine | 2.37 | 5.34 | 4.96 | 3.12 | 3.24 | 3.09 | 3.21 | 0.66 | 3.47 | 1.99 | 2.25 | ..... | ..... |
| *New Mexico.* | | | | | | | | | | | | | |
| Abbott | 0.66 | T. | 0.78 | 1.79 | T. | 1.44 | 1.53 | 5.68 | 1.05 | 2.09 | 0.18 | 0.27 | 15.47 |
| Agricultural College | 0.25 | 0.18 | 0.67 | 0.07 | 0.97 | 0.00 | 0.50 | 1.28 | 0.69 | 2.50 | 0.52 | 0.15 | 7.78 |
| Alamogordo (No. 1) | 1.35 | 0.09 | 0.91 | 0.20 | 1.06 | T. | 1.38 | 2.44 | 1.21 | 3.35 | T. | 0.47 | 12.46 |
| Alamogordo (No. 2) | 1.58 | 0.13 | 1.11 | 0.35 | 1.08 | 0.00 | 0.47 | 1.61 | 0.95 | 2.37 | T. | 0.35 | 10.00 |
| Alamos Ranch | 6.75 | 0.35 | 3.00 | 2.77 | 0.20 | 0.00 | 6.34 | 3.05 | 3.49 | 3.92 | ..... | ..... | ..... |
| Albuquerque | 2.52 | ..... | ..... | ..... | ..... | ..... | ..... | 1.95 | 0.34 | 2.77 | 0.00 | T. | ..... |
| Alma | 3.83 | 0.80 | 1.60 | 0.72 | 0.65 | 0.00 | 3.17 | 4.15 | 0.61 | 4.52 | 0.00 | 0.75 | 20.80 |
| Ancho | 2.80 | T. | 0.75 | 1.60 | 0.34 | 0.00 | 2.57 | 2.18 | 0.65 | 2.73 | 0.15 | 0.38 | 14.15 |
| Anchor Mine | ..... | ..... | ..... | 5.88 | 1.42 | 0.19 | 6.60 | 4.67 | 0.99 | 4.92 | 0.70 | 1.61 | ..... |
| Aragon | 2.75 | 0.00 | 1.25 | 1.00 | 0.00 | T. | 2.65 | 2.88 | 0.15 | 4.15 | 0.00 | 0.77 | 15.60 |
| Artesia | 0.20 | T. | 0.22 | 1.14 | 0.07 | 0.34 | 2.00 | 5.95 | 0.85 | 2.38 | 0.48 | 0.30 | 13.93 |
| Aspen Grove Ranch | 10.70 | 1.61 | 3.70 | 3.60 | T. | 0.00 | 5.01 | 4.70 | 0.54 | 4.21 | 0.00 | 2.41 | 36.48 |
| Aurora | 1.58 | 0.49 | 0.90 | 3.17 | 0.22 | 0.63 | 3.94 | 5.67 | 0.99 | 2.03 | 0.06 | 0.37 | 20.05 |
| Aztec | 2.42 | 0.12 | 1.08 | T. | 0.03 | T. | 0.93 | 0.02 | 0.38 | 1.12 | T. | 0.35 | 6.45 |
| Baca Ranger Station | ..... | ..... | ..... | 2.61 | 0.30 | 0.04 | 3.82 | 6.26 | 2.89 | 1.61 | 0.30 | 0.22 | ..... |
| Baldwin Ranger Station | ..... | ..... | ..... | 0.75 | 0.71 | 0.00 | 3.87 | 2.55 | 0.50 | 3.92 | ..... | 0.54 | ..... |
| Barton | 3.58 | 0.32 | 2.28 | 2.01 | 0.56 | 0.00 | 3.52 | 4.93 | 0.34 | 3.66 | 0.10 | 0.42 | 21.72 |
| Batemans Ranch | 9.67 | 3.04 | 3.25 | 2.81 | 0.63 | 0.00 | 3.18 | 2.85 | 0.84 | 5.96 | T. | 0.81 | 33.04 |
| Bell Ranch | 0.59 | T. | 0.32 | 1.69 | 0.05 | 0.66 | 1.70 | 5.68 | 0.58 | 1.12 | 0.09 | 0.23 | 12.71 |
| Black Lake | 2.65 | 0.22 | 0.51 | 2.04 | 0.35 | 0.80 | 3.89 | 3.60 | 0.45 | 1.94 | 0.00 | 0.30 | 16.75 |
| Blackrock | 3.40 | 0.33 | 1.60 | 0.33 | 0.42 | 0.02 | 3.38 | 2.12 | 1.71 | 3.91 | T. | 0.30 | 17.52 |
| Bland (near) | 4.64 | 0.01 | 1.88 | ..... | ..... | ..... | ..... | ..... | 0.46 | 2.95 | 0.02 | 0.07 | ..... |
| Block Ranch Ranger Station | ..... | ..... | ..... | 2.55 | 1.25 | 0.25 | 1.87 | 6.27 | 1.45 | 1.73 | 0.41 | 0.10 | ..... |
| Bloomfield | 1.82 | 0.40 | 1.40 | 0.37 | 0.22 | 0.12 | 2.01 | 0.48 | 0.52 | 2.24 | 0.01 | 0.36 | 9.95 |
| Bluewater | 3.08 | T. | ..... | 0.00 | 0.00 | 0.00 | 2.20 | 2.15 | 0.10 | 1.00 | ..... | ..... | ..... |
| Boaz | 0.26 | 0.00 | 0.37 | 1.07 | 0.20 | 0.22 | 2.32 | 10.06 | 1.12 | 3.05 | 0.10 | 0.47 | 19.24 |
| Boyds Ranch | 0.51 | 0.03 | 1.37 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Buchanan (near) | 1.40 | 0.00 | 0.25 | 1.65 | 0.39 | 0.08 | 0.79 | 2.48 | 0.06 | 2.35 | 0.09 | 0.05 | 9.59 |
| Burrache Ranger Station | ..... | ..... | ..... | 1.38 | 0.18 | 0.00 | 4.31 | 2.92 | 0.35 | ..... | ..... | ..... | ..... |
| Cabezon | 0.84 | 0.00 | 0.05 | 1.23 | 0.51 | 0.76 | 0.52 | 4.86 | 0.08 | 1.30 | 0.07 | 0.15 | 10.37 |
| Cambray | 0.35 | 0.40 | 0.60 | 0.50 | 0.70 | 0.00 | 1.55 | 1.44 | 0.75 | 2.25 | 0.00 | 0.35 | 8.89 |
| Campana | 0.79 | 0.00 | T. | 1.30 | 0.13 | 1.35 | 0.08 | 6.69 | 0.23 | 0.88 | 0.12 | 0.21 | 11.78 |
| Capitan | 1.08 | 0.07 | 0.43 | 0.73 | 0.76 | 0.50 | 5.30 | 6.03 | 2.85 | 1.40 | 0.42 | 0.14 | 19.70 |
| Capulin Ranger Station | ..... | ..... | 1.15 | 1.84 | 0.55 | 0.04 | 2.27 | 4.22 | 0.96 | 2.48 | 0.22 | 0.46 | ..... |
| Carlsbad | 0.30 | 0.12 | 0.10 | 1.34 | 0.06 | T. | 5.63 | 6.83 | 0.30 | 4.52 | 0.55 | 0.12 | 19.87 |
| Carrizozo | 1.59 | T. | 0.42 | 0.93 | 0.17 | 0.00 | 0.39 | 0.51 | 0.43 | 1.98 | T. | T. | 6.42 |
| Carson Seep Ranger Station | 1.10 | 0.34 | 0.60 | 1.10 | 0.47 | 0.10 | 6.88 | 8.28 | 2.89 | 2.88 | 0.86 | ..... | ..... |
| Chacon | 4.72 | 0.58 | 2.55 | 3.09 | 0.48 | 0.42 | 3.96 | 4.53 | 0.75 | 3.14 | 0.00 | 1.08 | 25.30 |
| Chama | 11.29 | 1.48 | 4.07 | 1.49 | 1.05 | T. | 1.97 | 2.53 | 1.13 | 4.97 | 0.10 | 2.26 | 32.34 |
| Cimarron (near) | 0.87 | 0.00 | 0.21 | 3.89 | 0.24 | 2.33 | 1.83 | 3.11 | 0.26 | 1.65 | 0.03 | 0.17 | 14.59 |
| Clayton | 0.67 | 0.00 | 0.27 | 1.26 | 0.54 | 3.39 | 1.48 | 2.42 | 0.15 | 0.71 | 0.11 | 0.13 | 11.13 |
| Cloudcroft | 4.41 | 0.35 | 1.82 | 0.87 | 1.32 | 0.00 | 3.35 | 6.90 | 3.70 | 3.22 | 0.56 | 0.92 | 27.42 |
| Cloverdale | ..... | 0.25 | 1.31 | 0.17 | 0.22 | 0.00 | 2.20 | 4.07 | 0.39 | 1.55 | 0.00 | 0.44 | ..... |
| Clovis | 0.44 | 0.00 | 0.45 | 2.14 | 0.40 | 0.93 | 0.57 | 7.45 | 2.37 | 2.04 | 0.06 | 0.86 | 17.70 |
| Columbus | 0.31 | T. | 0.28 | 0.85 | 0.55 | 0.00 | 1.73 | 3.68 | 0.34 | 1.40 | 0.45 | 0.20 | 9.79 |
| Corona | 0.67 | T. | 0.62 | 1.69 | 0.40 | T. | 1.50 | 2.20 | T. | 2.70 | 0.42 | 0.22 | 10.42 |
| Costilla | 2.20 | 0.00 | 0.30 | 0.80 | 0.00 | 0.20 | 3.10 | 2.80 | 0.65 | 2.20 | 0.10 | 0.15 | 12.50 |
| Crown Point | 2.56 | 0.09 | 1.01 | 0.40 | 0.00 | 0.00 | 2.21 | 1.45 | 0.45 | 3.01 | 0.15 | 0.26 | 11.59 |
| Crozier | 3.03 | T. | 0.27 | 0.60 | 0.00 | 0.00 | 2.99 | 1.20 | 0.40 | 1.85 | 0.00 | T. | 10.34 |
| Cuervo | 0.32 | 0.00 | 0.09 | 2.25 | 0.22 | T. | 0.20 | 4.00 | 0.25 | 1.10 | 0.26 | 0.15 | 8.84 |
| Cundiyo | 1.02 | 0.12 | 0.71 | 0.73 | 0.20 | 0.22 | 1.29 | 0.19 | 0.20 | 1.52 | 0.00 | T. | 6.20 |
| Dawson | 0.51 | 0.12 | 0.25 | 3.52 | 0.24 | 0.60 | 2.60 | 4.22 | 0.31 | 1.43 | 0.16 | 0.32 | 14.28 |
| Deming | 0.51 | 0.49 | 0.52 | 0.20 | 1.50 | 0.00 | 2.38 | 5.40 | 0.60 | 3.50 | T. | 0.18 | 15.28 |
| Demonstration Farm | 0.92 | 0.00 | 1.08 | 2.68 | 0.14 | 0.30 | 2.79 | 3.27 | 1.87 | 3.01 | 0.05 | 0.19 | 16.30 |
| Des Moines | ..... | ..... | ..... | 1.08 | 0.53 | 1.75 | 0.82 | 4.36 | 0.45 | 1.06 | T. | 0.12 | ..... |
| Dulce | 4.07 | 0.90 | 3.00 | 0.88 | 0.57 | 0.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Duran | 1.13 | T. | 1.02 | 1.72 | 0.41 | 0.00 | 1.06 | 3.52 | 1.45 | 2.43 | 0.68 | 0.28 | 13.72 |
| Eagle Rock Ranger Station | 2.68 | 0.13 | 0.68 | 2.10 | 0.52 | 0.21 | 2.21 | 2.12 | 1.35 | 2.22 | 0.00 | 0.20 | 14.42 |
| Elida | 0.20 | 0.00 | 0.30 | 1.31 | 0.32 | 0.31 | ..... | 3.67 | 3.00 | 2.25 | 0.00 | 0.55 | ..... |
| Elizabethtown | 2.37 | 0.20 | 1.31 | 4.56 | 0.20 | 0.03 | 3.30 | 4.43 | 0.55 | 3.48 | 0.18 | 0.45 | 21.06 |
| Espanola | 2.84 | 0.04 | 1.27 | 2.04 | 0.00 | 0.45 | 2.73 | 0.87 | 0.31 | 2.77 | T. | 0.12 | 13.44 |
| Estancia | 2.25 | 0.17 | 2.45 | 2.24 | T. | 0.00 | 2.22 | 2.64 | 0.36 | 4.55 | 0.25 | 0.22 | 17.35 |
| Farmington (near) | 1.72 | 0.66 | 1.00 | 0.61 | 0.23 | 0.00 | 1.46 | 0.28 | 0.07 | 2.54 | 0.20 | 0.09 | 8.86 |
| Fort Bayard | 1.87 | 1.14 | 1.00 | 0.40 | 0.52 | 0.00 | 2.77 | 5.34 | 1.92 | 2.68 | 0.01 | 0.47 | 18.12 |
| Fort Stanton | 1.81 | 0.21 | 0.75 | 1.60 | T. | 0.08 | 2.65 | 4.16 | 1.78 | 1.35 | 0.32 | 0.19 | 14.90 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *New Mexico*—Continued. | | | | | | | | | | | | | |
| Fort Sumner (near) | 1.33 | 0.00 | 0.35 | 1.70 | 0.30 | 0.01 | 1.22 | 2.53 | 0.82 | 0.98 | 0.62 | 0.59 | 10.45 |
| Fort Union | 0.75 | 0.00 | 0.65 | 1.14 | 0.25 | 0.72 | 3.62 | 4.62 | 0.95 | 3.95 | T. | 0.10 | 16.75 |
| Fruitland | 1.60 | 0.37 | 0.53 | 0.27 | 0.00 | T. | 1.62 | 0.12 | T. | 1.86 | 0.15 | 0.03 | 6.55 |
| Gage | 1.20 | 0.81 | 0.70 | 0.85 | 0.00 | 0.00 | 2.20 | 2.43 | 1.79 | 2.46 | 0.28 | T. | 12.72 |
| Gallinas Planting Station | 2.24 | 0.41 | 2.74 | 4.10 | 0.74 | 0.80 | 6.91 | 5.91 | 0.85 | 4.15 | 0.09 | 0.85 | 29.79 |
| Gallinas Ranger Station | 2.67 | T. | 0.89 | 2.27 | 1.11 | 0.03 | 2.24 | 1.76 | 0.46 | 3.48 | 0.63 | 0.17 | 15.71 |
| Gila | 3.04 | 0.65 | 0.77 | 0.49 | 0.53 | 0.00 | 2.25 | 4.81 | 2.18 | 3.49 | 0.05 | 0.38 | 18.64 |
| Gila Planting Station | 1.68 | 0.59 | 1.32 | 0.41 | 0.66 | T. | 2.62 | 8.43 | 2.65 | 3.88 | 0.12 | 0.75 | 23.11 |
| Glorieta Ranch | 0.70 | 0.13 | 0.55 | 0.86 | 1.06 | 0.00 | 4.26 | 3.09 | 0.84 | 4.99 | 0.02 | 0.08 | 16.58 |
| G. O. S. Ranch | 3.24 | 0.35 | ..... | 1.57 | 0.33 | 0.00 | 4.84 | 4.93 | 2.83 | 3.69 | ..... | ..... | ..... |
| Grogan's Ranch | ..... | ..... | ..... | ..... | ..... | 0.00 | 3.17 | 2.89 | 0.75 | 4.71 | T. | 0.51 | ..... |
| Hachita | 1.23 | 0.20 | 0.41 | 0.32 | 0.77 | 0.00 | 1.81 | 2.19 | 1.22 | 2.12 | 0.40 | 0.34 | 10.97 |
| Harveys Upper Ranch | 7.25 | 0.55 | 2.56 | 3.92 | 1.14 | 0.53 | 8.59 | 6.38 | 0.17 | 4.73 | 0.28 | 0.80 | 36.90 |
| Hayden (near) | 1.05 | 0.00 | 0.04 | 1.08 | 0.46 | 3.35 | 1.47 | 3.68 | 0.84 | 0.71 | 0.64 | 0.75 | 14.07 |
| Haynes | 1.25 | 0.07 | 0.15 | 0.15 | 0.00 | 0.00 | 0.16 | 1.50 | ..... | 4.60 | 0.01 | ..... | ..... |
| Hermanes | 0.35 | 0.18 | 0.46 | 0.33 | 0.52 | 0.00 | 2.63 | 1.75 | 0.40 | 3.14 | 0.28 | 0.08 | 10.12 |
| Hermosa | 1.20 | 0.24 | 0.92 | 1.03 | 1.23 | 0.00 | 2.88 | 5.48 | 2.12 | 5.42 | 0.14 | 0.40 | 21.06 |
| Hobbs | 0.18 | 0.12 | 0.59 | 1.70 | 0.17 | 0.22 | 0.82 | 4.47 | 3.91 | 4.08 | 0.35 | 0.10 | 16.71 |
| Hollene | 1.14 | 0.00 | 0.23 | 2.00 | 0.50 | 3.15 | 0.70 | 6.40 | 0.30 | 1.38 | 0.21 | 1.21 | 17.22 |
| Hondo Reservoir | 0.65 | T. | 0.41 | 1.58 | 0.33 | 0.04 | 0.41 | 6.08 | 0.98 | 2.51 | 0.52 | 0.40 | 13.91 |
| Hood Ranger Station | ..... | ..... | ..... | 0.59 | 0.30 | 0.00 | 5.04 | 3.00 | 2.71 | 6.57 | T. | 0.67 | ..... |
| Hoosier Ranch | 0.29 | 0.00 | 0.20 | 0.97 | 0.07 | 0.22 | 1.18 | 4.92 | 0.20 | 1.90 | 0.14 | 0.23 | 10.32 |
| Ima | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.28 | 0.32 | ..... |
| Ingleville | 1.23 | 0.00 | 0.39 | 2.56 | 0.00 | 0.00 | 0.80 | 3.00 | ..... | ..... | ..... | ..... | ..... |
| Ione | 0.51 | 0.00 | 0.17 | 0.64 | 0.39 | 3.85 | 1.22 | 3.17 | 0.33 | 0.36 | 0.21 | 0.36 | 11.21 |
| Jemez Springs | 5.12 | 0.54 | 2.12 | 2.15 | 0.37 | T. | 3.45 | 4.55 | 0.62 | 3.72 | T. | 0.32 | 22.96 |
| Johnson's Park | ..... | T. | ..... | 0.71 | T. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Kappus | 0.48 | 0.00 | 0.43 | 1.00 | 1.06 | 2.33 | 3.31 | 3.85 | 0.89 | 0.51 | 0.00 | 0.55 | 14.41 |
| Kingston Ranger Station | 1.24 | 0.53 | 0.99 | 1.30 | 0.70 | 0.00 | 4.14 | 8.09 | 1.63 | 5.98 | 0.04 | 0.66 | 25.30 |
| Knowles (near) | 0.16 | T. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lagunita | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.15 | 0.54 | 0.22 | ..... |
| Lake Alice (near) | 0.50 | 0.10 | 0.30 | 1.75 | 0.35 | 0.70 | 2.16 | 4.35 | 0.15 | 1.39 | 0.21 | 0.35 | 12.31 |
| Lake Avalon | 0.20 | 0.12 | 0.05 | 1.34 | 0.20 | 0.06 | 4.87 | ..... | ..... | 3.68 | 0.49 | 0.64 | ..... |
| Lake Valley | 1.33 | 0.42 | 0.66 | 1.69 | 0.58 | 0.00 | 2.73 | 3.11 | 0.53 | 3.32 | 0.01 | 0.35 | 14.73 |
| Lakewood (near) | 0.10 | T. | 0.10 | 1.34 | ..... | ..... | 0.57 | 14.56 | 2.17 | 3.31 | 0.58 | T. | ..... |
| Lanark | 0.06 | 0.04 | 0.90 | 0.03 | 0.04 | 0.00 | ..... | 2.32 | 0.12 | 1.00 | 0.25 | T. | ..... |
| Las Vegas | 1.27 | T. | 1.35 | 2.86 | 0.19 | 0.41 | 2.98 | 2.61 | 1.42 | 3.09 | 0.07 | 0.21 | 16.46 |
| Logan | 1.26 | 0.00 | ..... | 2.03 | 0.05 | 1.77 | 1.12 | 3.26 | 0.55 | ..... | 0.41 | 0.28 | ..... |
| Lordsburg | 3.85 | 0.25 | 0.39 | 0.10 | 0.00 | 0.00 | 1.00 | ..... | ..... | ..... | 0.73 | 0.04 | ..... |
| Los Lunas (near) | 1.50 | 0.10 | 1.18 | 0.81 | 0.00 | 0.00 | 1.87 | 1.08 | 0.58 | 3.02 | 0.00 | T. | 10.14 |
| Lulu | ..... | ..... | ..... | ..... | ..... | 0.00 | 0.02 | 4.39 | 2.51 | ..... | ..... | ..... | ..... |
| Luna | 5.45 | 0.34 | 1.12 | 0.70 | ..... | 0.00 | 3.43 | ..... | 1.35 | 4.80 | 0.05 | ..... | ..... |
| Lykins (near) | ..... | 0.00 | 0.52 | 1.60 | 0.10 | 0.80 | 1.21 | 5.02 | 1.20 | 1.78 | 0.50 | 1.30 | ..... |
| Magdalena | 1.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Maxwell (near) | 0.85 | T. | 0.30 | 1.56 | T. | 2.47 | 2.05 | 2.88 | 0.12 | 1.34 | T. | 0.03 | 11.60 |
| Meek | ..... | 0.06 | 1.37 | 4.03 | 1.93 | 0.10 | 2.18 | 12.72 | 2.57 | 3.17 | 0.97 | 0.23 | ..... |
| Melrose | 0.85 | 0.00 | 0.69 | 2.49 | 0.72 | 0.16 | 1.16 | 7.27 | 1.08 | 2.14 | 0.20 | 0.97 | 17.73 |
| Mescalero | ..... | 0.17 | 1.36 | 0.35 | 0.55 | 0.00 | 2.84 | 4.98 | ..... | ..... | ..... | ..... | ..... |
| Miami Ranch | 0.43 | 0.08 | 0.80 | 1.61 | 0.17 | 0.66 | 0.95 | 4.72 | 0.26 | 1.90 | 0.03 | 0.15 | 11.76 |
| Mills (No. 1) | 0.41 | 0.00 | 0.24 | 1.73 | 0.11 | 0.90 | 1.85 | 5.07 | 0.16 | 4.27 | 0.18 | 0.20 | 15.12 |
| Mills (near) | 0.67 | T. | 0.35 | 1.40 | 0.11 | 0.83 | 0.82 | 5.20 | T. | 2.35 | 0.10 | 0.17 | 12.00 |
| Mimbres | 2.24 | 1.36 | 1.15 | 0.56 | 0.44 | 0.00 | 4.36 | 3.96 | 1.48 | ..... | 0.00 | 0.39 | ..... |
| Mineral Hill | 2.49 | T. | 1.34 | 3.32 | 0.48 | 0.45 | 3.23 | 4.44 | 0.76 | 3.13 | 0.02 | 0.57 | 20.23 |
| Mogollon Ranger Station | ..... | ..... | ..... | 0.15 | 0.19 | 0.00 | 6.14 | 7.76 | 1.71 | 4.24 | 0.00 | 0.75 | ..... |
| Montoya | 0.53 | 0.00 | 0.08 | 2.10 | 0.17 | 0.22 | 0.97 | 2.22 | 0.30 | 1.29 | 0.21 | 0.23 | 8.32 |
| Moriarty | 2.05 | 0.15 | 1.66 | 0.84 | 0.30 | 0.12 | 1.79 | 2.33 | 0.50 | 4.43 | 0.09 | 0.23 | 14.49 |
| Mosquero | 0.48 | 0.00 | 0.18 | 0.41 | 0.10 | 0.25 | 2.35 | 3.90 | 0.47 | 2.08 | 0.24 | 0.22 | 10.68 |
| Mountain Park | 3.26 | 0.15 | 1.30 | 0.69 | 0.31 | T. | 1.46 | 3.45 | 1.65 | 4.25 | 0.20 | 0.96 | 17.68 |
| Nara Visa | 0.46 | 0.00 | 0.12 | 1.25 | 0.89 | 2.35 | 1.48 | 3.86 | 0.68 | 0.31 | 0.06 | 0.35 | 11.81 |
| Newman | 0.70 | T. | 0.23 | T. | 0.71 | 0.00 | 1.60 | 3.83 | 1.33 | 1.67 | 0.08 | 0.00 | 10.15 |
| Nogal (near) | 4.88 | 0.62 | 2.62 | 2.37 | 1.51 | T. | 4.35 | 5.15 | 2.34 | 2.44 | 0.51 | 1.19 | 27.98 |
| Noria | 0.49 | 0.15 | 1.36 | T. | 0.70 | T. | 1.97 | 1.55 | 0.49 | 0.75 | 0.90 | 0.10 | 8.46 |
| Orogrande | 0.74 | T. | 0.53 | 0.04 | 0.51 | 0.00 | 1.11 | 3.33 | 0.08 | 1.58 | 0.39 | T. | 8.31 |
| Oscura (No. 1) | 1.86 | 0.03 | 1.07 | 1.41 | 1.37 | 0.00 | 0.73 | 0.90 | 0.91 | 2.15 | 0.12 | 0.27 | 10.82 |
| Oscura (No. 2) | 1.62 | 0.03 | 1.00 | 1.35 | 1.20 | 0.00 | 0.70 | 0.82 | 0.97 | 2.22 | 0.10 | 0.32 | 10.33 |
| Palma | ..... | 0.01 | 1.00 | 1.87 | 0.10 | 0.00 | 2.98 | 3.34 | 0.98 | 1.79 | 0.17 | T. | 13.63 |
| Palo Verde | 0.43 | T. | 0.27 | 1.07 | T. | 1.64 | 1.26 | 4.71 | 0.20 | ..... | 0.21 | 0.39 | ..... |
| Pasamonte | 0.56 | 0.00 | 0.16 | 1.12 | 0.23 | 1.24 | 1.52 | 4.94 | 0.04 | 1.72 | 0.00 | 0.11 | 11.64 |
| Pastura | 0.39 | 0.00 | 0.32 | 1.61 | 0.12 | 0.41 | 0.37 | 4.71 | 0.45 | 1.29 | 0.18 | 0.15 | 10.00 |
| Pearl (near) | ..... | 0.01 | 0.02 | 1.25 | 0.26 | 0.11 | 0.37 | 4.79 | 3.68 | 2.69 | 0.61 | 0.14 | ..... |
| Pecos | 3.58 | 0.25 | 1.21 | 2.21 | 0.26 | 0.22 | 4.19 | 1.71 | 0.35 | 3.37 | 0.00 | 0.36 | 17.71 |
| Piñon (near) | ..... | ..... | ..... | ..... | 0.57 | T. | 1.20 | 2.81 | 1.86 | 2.20 | 0.15 | 0.50 | ..... |
| Pinos Altos (near) | 2.95 | 0.80 | 2.45 | 1.36 | 0.95 | 0.00 | 6.27 | 7.98 | 2.39 | 4.37 | T. | 1.54 | 31.06 |
| Plainview (near) | 0.20 | T. | 0.12 | 1.56 | 0.17 | 0.80 | 0.81 | 4.00 | ..... | 1.77 | ..... | ..... | ..... |
| Pleasant View | 0.16 | 0.00 | 0.14 | 0.74 | 0.10 | 1.92 | 2.40 | 4.71 | 0.00 | 2.07 | 0.11 | ..... | ..... |
| Portales (near) | 0.47 | 0.10 | 0.28 | 1.78 | 0.15 | 0.48 | 1.15 | 5.25 | 1.49 | 2.13 | 0.03 | 0.68 | 13.99 |
| Raton | 0.47 | T. | T. | 1.09 | 0.07 | 0.62 | 3.07 | 4.49 | 0.03 | 2.08 | 0.04 | 0.16 | 12.12 |
| Red River Canyon | 4.70 | 0.28 | 1.70 | 2.52 | 0.43 | 0.04 | 4.86 | 2.23 | 0.64 | 3.55 | 0.10 | 0.39 | 21.44 |
| Redrock | 3.12 | 0.71 | 0.81 | 1.10 | T. | 0.00 | 5.08 | 3.11 | 0.60 | 2.60 | 0.25 | 0.63 | 18.01 |
| Regina | 2.71 | T. | ..... | ..... | ..... | 0.00 | 4.06 | 3.43 | 0.81 | 2.51 | ..... | ..... | ..... |
| Richland (near) | 0.29 | 0.00 | 0.10 | 1.93 | 0.29 | 0.83 | 1.16 | 3.62 | 3.33 | 1.45 | T. | 0.51 | 13.51 |
| Rincon | 0.67 | 0.28 | 0.87 | 1.37 | 0.16 | 0.00 | 3.24 | 1.09 | 1.45 | 3.44 | 0.45 | 0.25 | 13.27 |
| Rio Grande Dam | 0.91 | 0.13 | 0.63 | 1.35 | 2.00 | T. | 2.53 | 2.65 | 0.59 | 2.72 | 0.03 | 0.19 | 13.73 |
| Rio Grande Industrial School | 2.12 | 0.11 | 0.68 | 0.90 | T. | T. | 1.91 | 1.43 | 0.36 | 2.77 | T. | T. | 10.28 |
| Rociada | 2.10 | 0.14 | 2.01 | 4.61 | 0.25 | 0.26 | 5.26 | 3.68 | 0.18 | 2.72 | 0.00 | 0.15 | 21.36 |
| Rodeo | 1.55 | 0.33 | 0.48 | 0.14 | 1.15 | T. | 1.07 | 3.38 | 1.48 | 1.82 | T. | 0.10 | 11.50 |
| Rosedale | 2.26 | 0.10 | 1.39 | 1.39 | 1.25 | 0.00 | 1.88 | 3.31 | 1.38 | 4.58 | 0.10 | 0.25 | 17.89 |
| Roswell | 0.44 | T. | 0.58 | 1.11 | 0.17 | 0.44 | 1.04 | 9.56 | 0.37 | 2.31 | 0.44 | 0.36 | 16.82 |
| Roy | 0.28 | 0.00 | 0.14 | 0.94 | T. | 0.12 | 0.56 | 1.06 | 0.71 | 1.82 | 0.09 | 0.43 | 6.15 |
| St. Vrain | 0.32 | T. | 0.97 | 1.76 | 0.67 | 0.48 | 0.36 | 5.61 | 1.65 | 1.85 | 0.10 | 0.69 | 14.46 |
| San Jon | 0.55 | T. | 0.31 | 1.36 | 0.20 | 1.75 | 1.15 | 6.98 | 0.68 | 0.77 | 0.25 | 0.61 | 14.61 |
| San Jose (near) | 1.61 | 0.09 | 0.39 | 1.65 | 0.07 | 0.48 | 1.73 | 2.23 | 0.72 | 2.83 | T. | 0.27 | 12.07 |
| San Marcial | 0.87 | 0.02 | 0.37 | 1.20 | 0.40 | 0.00 | 1.50 | 1.00 | 0.22 | 4.15 | 0.05 | 0.15 | 9.93 |
| Santa Fe | 3.02 | 1.20 | 1.36 | 2.50 | 0.07 | 0.38 | 2.77 | 1.67 | 1.45 | 2.76 | 0.06 | 0.17 | 16.41 |
| Santa Fe Canyon | 4.51 | 0.55 | 1.70 | 1.25 | ..... | 0.25 | 5.43 | 1.59 | 1.18 | 3.49 | 0.07 | ..... | ..... |
| Santa Rosa (No. 1) | 0.68 | 0.00 | 0.23 | 2.02 | 0.16 | 0.21 | 1.41 | 2.90 | 0.34 | 1.87 | 0.08 | 0.04 | 9.94 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *New Mexico*—Continued. | | | | | | | | | | | | | |
| Santa Rosa (No. 2) | 0.24 | 0.00 | 0.20 | 1.41 | 0.08 | 0.25 | 1.07 | 2.45 | 0.12 | 1.34 | 0.18 | 0.08 | 7.42 |
| Schuster Springs Ranger Station | ..... | ..... | ..... | 0.50 | 0.35 | T. | 5.20 | 0.65 | 1.35 | 3.45 | 0.15 | 0.66 | ..... |
| Senorito (near) | 6.45 | 0.85 | 2.22 | 1.83 | 0.62 | 0.01 | 5.04 | 5.08 | 0.91 | 3.21 | 0.04 | 0.65 | 26.91 |
| Silver City | 2.59 | 0.79 | 1.56 | 0.88 | 0.07 | T. | 3.86 | 4.88 | 1.45 | 3.63 | 0.21 | 0.83 | 20.75 |
| Skeleton Canyon Ranger Station | 5.21 | 0.45 | 1.26 | 0.14 | 1.00 | 0.00 | 2.36 | 2.71 | 0.41 | 2.25 | 0.00 | 0.35 | 16.14 |
| Socorro | 0.79 | 0.05 | 1.57 | 2.21 | 0.10 | 0.00 | 2.24 | 2.99 | 0.38 | 5.56 | 0.20 | 0.29 | 16.38 |
| Solano (No. 1) | 0.47 | 0.00 | 0.34 | 1.47 | 0.06 | 0.37 | 1.01 | 7.17 | 0.51 | 2.00 | 0.27 | 0.33 | 14.00 |
| Solano (No. 2) | 0.51 | 0.00 | 0.40 | 1.42 | 0.10 | 0.66 | 0.80 | 7.14 | 0.57 | 2.57 | 0.10 | 0.20 | 14.47 |
| Springer | 0.77 | 0.06 | 0.47 | 1.69 | 0.00 | 0.45 | 0.84 | 3.66 | 1.11 | 1.08 | 0.00 | 0.06 | 10.19 |
| Stanley | ..... | ..... | ..... | 0.90 | 0.19 | 0.00 | 3.58 | 1.25 | 0.60 | 3.50 | 0.00 | 0.20 | ..... |
| Tajique (near) | 8.76 | 1.30 | 5.19 | 3.13 | 1.41 | T. | 7.93 | 6.26 | 0.74 | 3.88 | 0.21 | 0.61 | 39.42 |
| Taos | 3.39 | 0.23 | 0.85 | 2.08 | 0.83 | 0.24 | 0.90 | 1.15 | 0.54 | 3.26 | T. | 0.60 | 14.07 |
| Taos Canyon | 5.08 | 0.65 | 1.80 | 2.67 | 0.64 | 0.22 | 3.70 | 2.49 | 0.71 | 3.10 | 0.05 | 1.16 | 22.27 |
| Taylor | 1.77 | 0.07 | 0.91 | 2.90 | 0.53 | 1.13 | 2.21 | 4.33 | 0.25 | 1.72 | 0.09 | 0.11 | 16.02 |
| Tecolote | 3.94 | 0.00 | 0.54 | 1.30 | 1.00 | 0.00 | 1.50 | 1.25 | 2.99 | 1.92 | 0.65 | 0.82 | 15.91 |
| Texico (near) | 0.29 | 0.00 | 0.40 | 2.88 | 0.32 | 1.66 | 1.05 | 6.63 | 1.99 | 3.34 | 0.35 | 0.72 | 19.63 |
| Thoreau | ..... | 0.04 | 0.94 | T. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Three Rivers | 1.00 | 0.00 | 0.68 | 1.21 | 0.91 | 0.00 | 0.72 | 2.16 | 2.62 | 2.03 | 0.20 | 0.15 | 11.68 |
| Tijeras Canyon | 4.67 | 0.20 | 2.33 | 1.37 | 0.35 | 0.00 | 3.50 | 1.52 | 0.20 | 3.45 | 0.06 | 0.15 | 17.80 |
| Tohatchi | 2.40 | ..... | ..... | ..... | ..... | ..... | ..... | 1.06 | 1.02 | 2.78 | ..... | ..... | ..... |
| Torrance | 1.07 | T. | 0.77 | 1.63 | 0.54 | T. | 1.56 | 4.94 | 0.15 | 2.14 | 0.63 | 0.21 | 13.64 |
| Trementina | 0.79 | T. | 0.25 | 2.90 | 0.20 | 2.00 | 0.55 | 5.50 | 0.45 | 2.02 | 0.50 | 0.45 | 15.61 |
| Tres Piedras | 2.30 | 0.41 | 2.74 | 1.67 | T. | 0.00 | 3.76 | 3.00 | 0.05 | 3.30 | T. | 0.40 | 17.63 |
| Truchas | 2.27 | 0.54 | 1.35 | 1.89 | 0.80 | 0.36 | 3.27 | 2.24 | 0.67 | 3.32 | 0.00 | 0.50 | 17.21 |
| Trujillo (near) | ..... | ..... | ..... | ..... | ..... | ..... | 5.65 | 6.00 | 0.48 | 2.29 | 0.34 | 0.40 | ..... |
| Tucumcari (near) | 0.70 | 0.00 | 0.09 | 1.55 | 0.56 | 0.63 | 1.16 | 4.43 | 0.56 | 0.78 | 0.29 | 0.32 | 11.07 |
| Tucumcari (No. 2) | 1.71 | T. | 0.24 | 2.10 | 0.45 | 0.55 | 1.63 | 4.06 | 0.69 | 0.54 | 0.12 | 0.91 | 13.00 |
| Tularosa | 1.30 | 0.09 | ..... | 2.32 | 0.25 | 0.00 | 0.67 | 1.29 | 0.70 | 2.00 | 0.10 | 0.12 | ..... |
| Turney's Ranch | 0.25 | 0.47 | 0.79 | 0.05 | 1.45 | 0.00 | 0.90 | 0.96 | 0.72 | 2.63 | 0.47 | 0.19 | 8.88 |
| Tyrone | 4.58 | T. | 2.08 | 1.15 | 0.00 | 0.00 | 3.24 | 2.48 | 1.75 | 4.85 | 0.20 | 0.72 | 21.05 |
| Valley | ..... | ..... | ..... | ..... | ..... | 0.20 | 0.90 | 5.70 | T. | ..... | T. | 0.07 | ..... |
| Vance (near) | 0.73 | 0.00 | 0.04 | 0.90 | 0.59 | 2.71 | 1.15 | 4.66 | 0.24 | 0.37 | 0.23 | 0.18 | 11.74 |
| Vaughn | 1.00 | T. | 0.50 | 1.63 | 0.48 | 0.00 | 2.62 | 3.02 | 1.55 | 4.43 | 0.78 | 0.70 | 16.71 |
| Vermejo Park | 1.08 | T. | 0.21 | 2.11 | T. | 0.39 | 3.67 | 6.32 | 0.44 | 1.71 | 0.04 | 0.56 | 16.53 |
| Virsylvia | ..... | 0.00 | 0.27 | 0.74 | ..... | 0.05 | 2.97 | 1.43 | 0.27 | 2.11 | 0.00 | 0.02 | ..... |
| Wagon Mound (near) | 0.68 | 0.00 | 0.77 | 2.44 | ..... | 1.52 | 1.93 | 4.02 | 0.83 | 3.27 | 0.00 | 0.35 | ..... |
| Weed Ranger Station | ..... | ..... | ..... | 0.82 | 1.01 | 0.00 | 4.63 | 5.85 | 2.43 | 4.31 | 0.68 | 0.56 | ..... |
| Whitetail | 3.21 | 0.08 | 2.16 | 1.52 | 0.93 | T. | 5.31 | 4.68 | 2.75 | 3.00 | 0.44 | 0.49 | 24.57 |
| Willard | 1.40 | 0.17 | 1.39 | 1.40 | 0.25 | T. | 1.78 | 2.24 | 0.86 | 3.97 | 0.24 | 0.23 | 13.93 |
| Winsors Ranch | 3.76 | 0.55 | 2.32 | 2.98 | 0.23 | 0.53 | 4.21 | 3.54 | 0.45 | 4.48 | T. | 0.38 | 23.43 |
| *New York.* | | | | | | | | | | | | | |
| Adams Center | 4.64 | 3.38 | ..... | 3.89 | 6.07 | 4.79 | 1.92 | 1.43 | 3.18 | 3.38 | 3.16 | 4.38 | ..... |
| Addison | 0.47 | 2.34 | 2.99 | 4.33 | 3.13 | 7.65 | 2.48 | 1.50 | 6.24 | 1.95 | 1.03 | 1.09 | 35.20 |
| Albany | 1.80 | 3.23 | 3.99 | 3.52 | 2.71 | 2.24 | 2.98 | 2.32 | 3.96 | 1.54 | 2.88 | 2.70 | 33.87 |
| Alfred | 1.28 | 2.80 | 3.13 | 4.86 | 6.00 | 7.15 | 1.99 | 2.11 | 2.89 | 2.25 | 2.67 | 1.45 | 38.58 |
| Allegany | 2.29 | 2.20 | 3.68 | 6.56 | 5.51 | 6.68 | 6.90 | ..... | ..... | ..... | ..... | ..... | ..... |
| Amsterdam | 2.30 | 3.46 | 4.81 | 2.68 | 3.64 | 5.81 | 3.88 | 3.21 | 5.44 | 1.84 | 2.92 | 2.22 | 42.21 |
| Angelica | 0.99 | 3.21 | 2.96 | 5.02 | 6.01 | 4.76 | 1.86 | 2.93 | 2.91 | 2.05 | 3.03 | 1.63 | 37.36 |
| Appleton | 2.52 | 1.27 | 1.96 | 2.39 | 3.55 | 6.32 | 1.00 | 2.04 | 1.37 | 3.22 | 1.54 | 2.21 | 29.39 |
| Athens | 0.89 | 3.51 | 3.38 | 2.74 | 2.38 | 3.27 | 5.83 | 4.70 | 3.98 | 1.90 | 3.42 | 2.28 | 38.28 |
| Auburn | 2.24 | 4.24 | 3.61 | 2.79 | 4.15 | 4.37 | 1.24 | 2.39 | 3.07 | 1.64 | 2.00 | 2.47 | 34.21 |
| Avon | 0.76 | 3.06 | 2.31 | 2.92 | 5.87 | 6.92 | 0.54 | 1.25 | 2.21 | 1.58 | 1.93 | 1.51 | 30.86 |
| Bainbridge | 1.25 | 2.40 | 2.72 | 2.86 | 3.79 | 3.75 | 4.98 | 3.10 | 4.94 | 2.16 | 2.00 | 1.97 | 35.92 |
| Ballston Lake | 2.27 | 2.90 | 3.35 | 3.01 | 3.04 | 3.83 | 2.23 | 2.68 | 3.29 | 2.18 | 3.04 | 2.79 | 34.61 |
| Bedford Hills | 1.10 | 1.89 | 3.57 | 1.45 | 2.73 | 5.04 | 5.98 | 2.50 | 5.45 | 1.50 | 2.78 | 2.44 | 36.43 |
| Beerston | 1.37 | 3.35 | 3.35 | 2.96 | 4.66 | 4.46 | 4.16 | 4.59 | 4.17 | 2.11 | 3.14 | 2.66 | 40.98 |
| Binghamton | 1.31 | 3.15 | 3.07 | 3.61 | 4.29 | 3.88 | 3.71 | 2.80 | 4.05 | 1.82 | 2.13 | 1.70 | 35.52 |
| Bolivar | 1.55 | 3.18 | ..... | 6.06 | 5.28 | 5.04 | 3.56 | 2.00 | 4.49 | 3.34 | 3.14 | 2.98 | ..... |
| Bouckville | 2.87 | 6.00 | 3.75 | 2.54 | 3.34 | 4.48 | 2.97 | 3.20 | 5.76 | 2.06 | ..... | ..... | ..... |
| Boyds Corners | 1.50 | 4.56 | 3.45 | 3.16 | 4.40 | 3.90 | 4.52 | 2.23 | 5.82 | 1.40 | 4.17 | 3.46 | 42.57 |
| Brockport | 2.18 | 2.81 | 2.68 | 2.81 | 6.16 | 8.33 | 1.16 | 3.11 | 1.08 | 2.18 | 2.07 | 2.21 | 36.78 |
| Buffalo | 2.96 | 3.64 | 3.52 | 2.98 | 4.13 | 4.04 | 2.04 | 1.46 | 1.38 | 2.33 | 1.53 | 3.37 | 33.38 |
| Canisius College | ..... | 2.23 | ..... | 2.73 | 4.12 | ..... | 2.76 | 1.74 | 1.54 | 3.10 | 3.38 | 3.77 | ..... |
| Canton | 2.52 | 4.12 | 1.60 | 1.83 | 4.59 | 2.84 | 1.01 | 1.94 | 3.42 | 2.22 | 1.63 | 2.53 | 30.15 |
| Cape Vincent | 3.41 | 3.56 | 1.86 | 4.08 | 5.46 | 5.09 | 2.13 | ..... | ..... | 2.65 | 2.25 | 2.44 | ..... |
| Carmel | 1.36 | 4.10 | 2.97 | 3.20 | 3.86 | 4.08 | 4.81 | 1.90 | 5.58 | 1.41 | 3.51 | 3.04 | 39.82 |
| Cazenovia | 2.88 | 4.06 | 3.39 | 3.04 | 5.89 | 5.00 | 2.62 | 4.94 | 5.97 | 2.21 | 3.21 | 2.90 | 46.11 |
| Chatham | ..... | 3.05 | 4.86 | 3.93 | 2.61 | 3.44 | 5.23 | 1.87 | 5.47 | 1.78 | 3.35 | 3.46 | ..... |
| Chazy | 0.75 | 0.75 | ..... | ..... | 2.21 | 3.09 | 1.98 | 1.98 | 4.88 | 1.41 | 0.67 | 1.27 | ..... |
| Cooperstown | 2.79 | 3.71 | 4.60 | 3.61 | 4.47 | 4.95 | 4.84 | 2.62 | 7.57 | 2.12 | 3.89 | 3.26 | 48.43 |
| Corinth | 2.55 | 4.08 | 2.76 | 2.90 | 3.63 | 4.92 | 5.38 | 1.29 | 2.75 | 2.50 | 4.60 | 1.81 | 39.17 |
| Cortland | 1.44 | 3.55 | 3.02 | 2.41 | 4.43 | 4.38 | 1.18 | 2.39 | 6.67 | 1.99 | 1.93 | 2.64 | 36.03 |
| Cutchogue | 1.91 | 4.13 | 4.09 | 2.82 | 4.04 | 4.23 | 8.49 | 1.30 | 1.99 | 1.71 | 3.12 | 4.84 | 42.67 |
| Dannemora | 3.10 | 3.53 | 2.72 | 3.36 | 3.92 | 6.75 | 3.49 | 1.45 | 4.07 | 3.00 | 2.00 | 3.21 | 40.60 |
| De Ruyter | 2.86 | 3.87 | 3.30 | 2.05 | 4.79 | 7.02 | 2.73 | 1.70 | 5.15 | 2.15 | 3.09 | 2.93 | 41.64 |
| Elba | 2.70 | 5.30 | 4.22 | 3.74 | 6.13 | 6.76 | 2.70 | 2.33 | 2.33 | 2.61 | 2.53 | 3.95 | 45.30 |
| Elmira | 0.51 | 2.74 | 2.66 | 3.61 | 4.24 | 6.38 | 2.01 | 2.75 | 4.34 | 1.18 | 1.19 | 0.97 | 32.58 |
| Farmingdale | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | e3.56 | ..... |
| Fayetteville | 1.86 | 3.52 | 1.84 | 1.83 | 4.02 | 4.70 | 1.57 | 4.16 | 4.51 | 1.41 | 2.01 | 2.03 | 33.46 |
| Fishs Eddy | ..... | 3.92 | 4.01 | 3.01 | ..... | 3.78 | 3.34 | 3.30 | 3.59 | 2.55 | 3.12 | 1.68 | ..... |
| Flushing | ..... | 4.24 | 3.03 | 2.71 | 3.22 | 4.43 | 2.00 | 0.81 | 2.05 | 0.96 | 1.95 | 3.42 | ..... |
| Fredonia | 3.09 | 2.15 | 2.36 | 4.65 | 3.99 | 3.17 | 0.94 | 2.42 | 3.25 | 4.67 | 1.97 | 2.74 | 35.40 |
| Freeville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.76 | 7.08 | 1.86 | 2.47 | 1.18 | ..... |
| Gabriels | 3.37 | 3.35 | 3.36 | 2.40 | 5.56 | 2.86 | 3.83 | 1.44 | 4.33 | 2.85 | 2.96 | 3.70 | 40.01 |
| Geneva | 3.44 | 4.97 | 4.82 | 3.40 | 5.69 | 5.83 | 1.78 | 3.47 | 2.15 | 1.41 | 1.83 | 3.22 | 42.01 |
| Glens Falls (1) | 2.07 | 3.65 | 2.73 | 2.06 | 2.59 | 4.39 | 3.57 | 1.87 | 3.02 | 1.36 | 3.88 | 2.26 | 33.45 |
| Glens Falls (2) | 1.79 | 3.50 | 2.83 | 2.07 | 2.49 | 4.03 | 3.72 | 1.92 | 2.86 | 1.84 | 3.79 | 2.09 | 32.93 |
| Gloversville | 3.43 | 3.58 | 4.15 | 2.88 | 4.26 | 3.99 | 2.48 | 1.81 | 4.34 | 3.04 | 3.81 | 3.17 | 40.94 |
| Greenfield Center | 2.86 | 3.70 | 3.90 | 2.48 | 2.84 | 4.26 | 3.74 | 2.55 | 2.61 | 2.22 | 4.10 | 2.73 | 37.99 |
| Harkness | 0.99 | 3.18 | 0.79 | 2.09 | 3.25 | 3.68 | 1.43 | 1.76 | 3.91 | 1.14 | 1.41 | 2.21 | 25.84 |
| Haskinville | 0.54 | 2.22 | 3.81 | 4.90 | 5.79 | 9.60 | 3.24 | 1.44 | 3.23 | 1.60 | 1.88 | 1.14 | 39.39 |
| Hemlock | 0.90 | 3.26 | 3.04 | 3.90 | 6.39 | 8.65 | 1.96 | 1.10 | 2.41 | 1.44 | 1.26 | 1.84 | 36.15 |
| Homestead Sanatorium | ..... | ..... | ..... | ..... | ..... | ..... | 3.08 | 2.00 | 3.65 | ..... | 3.98 | 1.75 | ..... |
| Hoosick Falls | 2.07 | 2.62 | 3.93 | 2.52 | 2.10 | 2.38 | 6.00 | 2.38 | 4.46 | 0.70 | 3.21 | 4.43 | 36.80 |
| Hunt | 1.09 | 3.09 | 3.63 | 4.62 | 5.75 | 4.04 | 3.07 | 1.17 | 2.32 | 1.75 | a2.48 | 1.75 | 34.76 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *New York*—Continued. | | | | | | | | | | | | | |
| Indian Lake | 3.14 | 2.01 | 2.80 | 1.61 | 5.76 | 3.36 | 2.84 | 2.37 | 4.99 | 2.82 | 5.24 | 3.91 | 40.81 |
| Ithaca | 0.81 | 2.97 | 2.28 | 2.77 | 4.27 | 3.48 | 1.29 | 1.50 | 5.65 | 1.59 | 1.53 | 1.13 | 29.27 |
| Jeffersonville | 1.89 | 3.71 | 3.99 | 2.40 | 3.39 | 5.25 | 6.66 | 2.82 | 3.72 | 1.94 | 2.45 | 3.00 | 41.22 |
| Keene Valley | 2.20 | 1.88 | 1.78 | 3.77 | 6.03 | 7.43 | 3.01 | 3.26 | 5.36 | 2.41 | 2.76 | 3.08 | 43.82 |
| Lake George | 1.68 | 4.64 | 2.85 | 1.85 | 3.90 | 6.28 | 4.45 | 2.79 | 4.12 | 2.06 | 2.52 | 2.39 | 39.53 |
| Lake Placid Club | 4.22 | 3.10 | 2.68 | 2.10 | 4.13 | 3.00 | 6.85 | 2.48 | 3.22 | 2.01 | 3.01 | 3.45 | 40.34 |
| Lauterbrunnen | 0.78 | 2.92 | 2.00 | 4.98 | 6.74 | 4.86 | 3.61 | 1.53 | 2.12 | 2.17 | 1.88 | 1.84 | 35.43 |
| Liberty | 2.86 | 1.77 | 6.24 | 3.02 | 2.56 | 5.70 | 5.93 | 5.30 | 4.34 | ..... | 4.22 | 2.21 | ..... |
| Little Falls | 3.42 | 3.11 | 3.99 | 2.55 | 4.96 | 4.63 | 1.78 | 2.02 | 5.24 | 1.71 | 4.08 | 3.37 | 40.86 |
| Lockport | 2.46 | 1.55 | 1.75 | 2.95 | 3.57 | 6.37 | 0.74 | 0.89 | 1.65 | 2.92 | 1.69 | a 2.19 | 28.73 |
| Lowville | 4.03 | 4.01 | 2.06 | 2.79 | 5.54 | 3.57 | 2.17 | 2.18 | 3.00 | 2.76 | 3.43 | 2.54 | 38.68 |
| Mechanicsville | 1.67 | 2.25 | 2.57 | 2.54 | 2.88 | 3.34 | 2.32 | 2.20 | 6.01 | 1.98 | 3.00 | 2.33 | 33.09 |
| Medford | 1.43 | 3.54 | 2.79 | 2.79 | 4.34 | 4.86 | 10.12 | 1.85 | 2.16 | 2.51 | 3.33 | 4.18 | 43.90 |
| Mohonk Lake | 1.01 | 5.54 | 5.76 | 4.05 | 2.93 | 5.22 | 6.27 | 2.87 | 4.13 | 1.57 | 4.08 | 4.35 | 47.78 |
| Moira | 2.39 | 4.82 | 2.00 | 5.07 | ..... | 2.58 | 2.09 | 2.66 | 4.47 | 3.06 | 1.20 | 3.01 | ..... |
| Morrisville | 1.15 | 3.98 | 3.49 | 2.45 | 4.20 | 4.25 | 1.65 | 3.10 | 6.00 | 2.50 | 3.04 | 3.23 | 39.04 |
| Mount Hope | 2.48 | 4.10 | 4.60 | 2.99 | 6.02 | 6.54 | 8.10 | 1.55 | 2.99 | 1.53 | 2.61 | 4.84 | 48.35 |
| Mount McGregor | ..... | ..... | ..... | 1.53 | 3.10 | ..... | ..... | 2.28 | 3.40 | 2.14 | 3.24 | 2.50 | ..... |
| Mount Vernon | 1.47 | 5.31 | 4.64 | 3.31 | 4.96 | 4.98 | 4.14 | 1.39 | 2.60 | 1.28 | 2.06 | 4.35 | 40.49 |
| Newark Valley | 1.02 | 3.68 | ..... | 4.35 | 4.94 | 5.46 | 3.10 | 2.62 | 5.24 | 1.96 | 2.05 | 1.45 | ..... |
| New Berlin | 2.05 | 2.95 | 3.10 | 2.15 | 4.77 | 5.30 | 2.32 | 2.56 | 7.67 | 1.97 | 3.28 | 1.99 | 40.11 |
| New Lisbon | 1.90 | 3.34 | 2.76 | 2.47 | 4.68 | 4.23 | 5.77 | 2.20 | 7.19 | 2.22 | 3.63 | 2.37 | 42.76 |
| New York | 1.08 | 4.49 | 3.71 | 3.28 | 3.49 | 3.94 | 3.44 | 0.59 | 2.98 | 0.63 | 1.57 | 3.97 | 33.17 |
| North Lake | 5.45 | 4.87 | 4.02 | 2.47 | 6.45 | 5.85 | 2.44 | 3.21 | 5.39 | 4.30 | 5.16 | 4.21 | 53.82 |
| Northville (1) | 3.50 | 3.64 | 3.29 | 2.39 | 3.48 | 4.59 | 2.89 | 2.04 | 2.86 | 2.77 | 4.37 | 2.64 | 38.46 |
| Norwich | 2.26 | 3.35 | 4.11 | 3.26 | 4.12 | 4.66 | 2.35 | 2.11 | 6.72 | 2.34 | 3.91 | 2.34 | 41.53 |
| Ogdensburg | 1.59 | 3.48 | 1.78 | 1.72 | 3.70 | 3.74 | 0.47 | 1.38 | 2.21 | 2.43 | 1.32 | 3.18 | 27.00 |
| Olean | 1.97 | 3.61 | 4.67 | 5.39 | 5.81 | 6.03 | 3.93 | 1.65 | 4.55 | 2.86 | 2.91 | 2.38 | 45.76 |
| Oneonta | 1.44 | ..... | ..... | 3.19 | 3.63 | 2.76 | 4.03 | 2.62 | 7.05 | 1.48 | 2.07 | 2.44 | ..... |
| Oswego | 2.95 | 2.32 | 1.16 | 1.58 | 4.60 | 5.85 | 1.05 | 1.21 | 1.98 | 2.16 | 1.56 | 1.91 | 28.33 |
| Palermo | 4.05 | 3.77 | 2.20 | 1.74 | 4.29 | 5.85 | 0.64 | 1.32 | 3.20 | 2.15 | 3.03 | 2.93 | 35.17 |
| Perrysburg | 3.56 | 2.05 | 4.17 | 4.82 | 4.64 | 4.26 | 3.26 | 1.66 | 2.45 | 1.95 | 2.93 | 2.43 | 38.18 |
| Philadelphia | 3.38 | 3.58 | 2.03 | 3.10 | 6.71 | 6.27 | 2.10 | 1.96 | 1.75 | 2.43 | 2.27 | 2.61 | 38.19 |
| Port Jervis (1) | 1.40 | 2.16 | 3.92 | 3.57 | 5.22 | 4.66 | 6.41 | 2.37 | 4.19 | 1.57 | 2.75 | 3.36 | 41.58 |
| Port Jervis (2) | 1.36 | 3.28 | 2.39 | 3.87 | 5.45 | 4.93 | 5.89 | 2.26 | 3.77 | 1.28 | 2.28 | 3.21 | 40.06 |
| Raquette Lake | 5.04 | 4.32 | 3.41 | 2.58 | 5.65 | 3.28 | 5.04 | 1.75 | 5.40 | 2.19 | 4.42 | 4.38 | 47.46 |
| Rhinebeck | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.88 | 4.80 | [illegible] | 3.47 | 3.80 | ..... |
| Rochester | 2.13 | 3.76 | 4.29 | 2.37 | 5.80 | 5.72 | 0.89 | 3.40 | 1.01 | [illegible] | 1.76 | 3.09 | 36.14 |
| Rome | 6.06 | 8.13 | 4.25 | 2.49 | 4.37 | 5.67 | 3.30 | 1.73 | 4.91 | 2.35 | 4.53 | 5.33 | 53.12 |
| Romulus | ..... | 3.06 | 3.60 | ..... | ..... | ..... | ..... | ..... | c 2.03 | ..... | 1.19 | 1.45 | ..... |
| Roslyn | 1.78 | 4.49 | 3.65 | 3.04 | 3.80 | 5.31 | 2.60 | 1.15 | 4.28 | 1.34 | 1.74 | 4.04 | 37.11 |
| Roxbury | 2.17 | 3.62 | 3.87 | 3.86 | 3.30 | 3.69 | 4.79 | 5.04 | 4.01 | 2.36 | 3.47 | 3.21 | 43.39 |
| Salisbury | 4.51 | 2.40 | 3.16 | 2.91 | 5.51 | 4.55 | 2.25 | 2.73 | 5.32 | 3.23 | 4.64 | 3.09 | 44.30 |
| Scarsdale | 1.66 | 5.15 | 5.11 | 3.60 | 6.10 | 6.98 | 7.40 | 1.74 | 2.70 | 1.31 | 2.43 | 5.22 | 49.40 |
| Setauket | 1.35 | 4.62 | 3.40 | 2.58 | 3.12 | 4.08 | 7.22 | 1.08 | 3.34 | 1.51 | 2.41 | 3.55 | 38.26 |
| Sharon Springs (1) | 2.27 | 3.55 | 3.30 | 3.49 | 3.74 | 3.78 | 2.91 | 2.42 | 4.76 | 1.92 | 4.07 | 3.28 | 39.49 |
| Sharon Springs (2) | 2.42 | 4.00 | 3.67 | 3.90 | 2.31 | 2.94 | 2.87 | 2.10 | 4.92 | 1.55 | 4.93 | 2.66 | 38.27 |
| Sherburne | 1.73 | 3.48 | 2.94 | 3.74 | 4.00 | 4.50 | 2.89 | 2.50 | 6.53 | 2.12 | 3.74 | 1.52 | 39.42 |
| Shortsville | 1.96 | 3.05 | 2.30 | 3.27 | 4.89 | 8.87 | 2.02 | 1.68 | 1.41 | 1.46 | 1.81 | 2.03 | 34.75 |
| Skaneateles | 2.69 | 4.25 | 4.22 | 3.05 | 4.54 | 5.53 | 1.16 | 3.22 | 4.40 | 2.74 | 2.23 | 3.61 | 41.64 |
| Southampton | 1.54 | 5.05 | 5.06 | 2.79 | 4.31 | 4.01 | 8.49 | 0.69 | 1.50 | 1.88 | 2.48 | 3.99 | 41.79 |
| Southeast Reservoir | 1.47 | 4.47 | 3.25 | 3.06 | 3.63 | 4.42 | 5.00 | 2.18 | 5.20 | 1.13 | 2.90 | 3.03 | 39.74 |
| South Edmeston | 1.81 | 3.38 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Spier Falls | 1.58 | 3.38 | 2.55 | 2.02 | 2.64 | 4.12 | 3.40 | 1.59 | 1.52 | 2.45 | 3.86 | 2.36 | 31.47 |
| Syracuse | 2.00 | 3.93 | 3.36 | 1.97 | 3.87 | 5.12 | 0.96 | 3.42 | 4.12 | 1.44 | 2.00 | 2.86 | 35.05 |
| Trenton Falls | 2.70 | 1.98 | 2.84 | 1.34 | 5.01 | 5.44 | 4.82 | 2.55 | 5.93 | 3.55 | 4.79 | 3.32 | 44.27 |
| Tribes Hill | ..... | 2.20 | 4.70 | 4.90 | 3.73 | 5.08 | 2.35 | 2.31 | 3.60 | 2.15 | 2.82 | 3.24 | ..... |
| Troy | 2.08 | 3.89 | 2.69 | 2.67 | 3.96 | 2.77 | 2.88 | 2.76 | 4.55 | 1.40 | 3.07 | 2.33 | 35.05 |
| Utica | 3.10 | 4.35 | 3.34 | 2.09 | 4.41 | 3.78 | 3.80 | 2.04 | 4.23 | 2.58 | 4.18 | 3.35 | 41.25 |
| Volusia | 2.12 | 2.39 | 2.68 | 4.90 | 2.98 | 2.37 | 2.34 | 2.27 | 4.10 | 3.24 | 4.00 | 3.35 | 36.74 |
| Wanakena | 2.89 | 2.75 | 2.71 | 2.00 | 2.89 | 6.80 | 5.07 | 2.07 | 4.30 | 2.42 | 1.67 | ..... | ..... |
| Wappinger Falls | 2.49 | 6.30 | 4.70 | 2.74 | 3.59 | 3.60 | 5.58 | 3.08 | 4.72 | 2.46 | 2.44 | 3.80 | 45.50 |
| Warwick | 1.18 | 4.64 | 3.39 | 4.00 | 3.85 | 4.70 | 6.70 | 2.06 | 4.02 | 0.89 | 3.12 | 3.69 | 42.24 |
| Watertown | 3.10 | 3.49 | 1.80 | 3.09 | 5.99 | 4.20 | 1.13 | 1.89 | 2.87 | 2.92 | 2.42 | 2.95 | 35.85 |
| Wedgwood | 0.74 | 3.60 | 3.86 | 3.53 | 4.65 | 5.98 | 0.95 | 1.47 | 4.25 | 1.64 | 1.70 | 1.37 | 33.74 |
| West Berne | ..... | 2.58 | 3.80 | 4.03 | 2.88 | 2.60 | 3.13 | 2.54 | 3.39 | 1.24 | 2.59 | 1.15 | ..... |
| Westfield | 3.30 | 2.61 | 2.51 | 3.33 | ..... | 2.84 | 2.97 | 2.66 | 4.03 | 3.86 | 4.27 | 3.59 | ..... |
| West Point | 2.64 | 2.56 | 3.06 | 0.88 | 2.78 | 4.05 | 2.71 | 1.00 | 3.61 | 1.83 | 2.44 | 3.92 | 31.48 |
| York | 1.50 | 3.30 | 2.65 | 3.92 | 8.07 | 6.25 | 0.62 | 0.89 | 2.26 | 1.64 | 1.97 | 2.00 | 35.07 |
| *North Carolina.* | | | | | | | | | | | | | |
| Albemarle | 2.75 | 5.84 | 2.01 | 3.50 | 3.27 | 7.13 | 10.78 | 6.24 | 0.96 | 1.68 | 0.65 | 2.50 | 47.31 |
| Altapass (near) | 4.49 | 5.33 | 4.27 | 3.22 | 4.56 | 5.16 | 35.40 | 4.28 | 0.87 | 2.89 | 1.11 | 3.47 | 75.05 |
| Andrews | 5.28 | ..... | ..... | ..... | ..... | ..... | 8.81 | 3.45 | 3.91 | 2.90 | 4.44 | 5.94 | ..... |
| Asheville | 2.54 | 3.73 | 1.74 | 1.35 | 3.60 | 5.15 | 9.28 | 2.80 | 1.72 | 2.86 | 1.36 | 1.57 | 37.70 |
| Banners Elk | 3.55 | 3.57 | 4.91 | 1.51 | 3.01 | 5.41 | 24.06 | 5.76 | 3.02 | 3.95 | 1.05 | 3.60 | 63.40 |
| Beaufort | 2.46 | 3.46 | 3.51 | 1.69 | 4.39 | 3.69 | 5.49 | 4.77 | 3.36 | 6.02 | 2.82 | 1.14 | 42.80 |
| Belhaven | 2.71 | 1.98 | 2.20 | 4.00 | ..... | 3.20 | 4.69 | 8.10 | 2.51 | 2.80 | ..... | 2.50 | ..... |
| Blantyre | 2.47 | 5.05 | 1.83 | 2.93 | 8.05 | 9.01 | 26.25 | 5.83 | 3.23 | 4.09 | 2.18 | 3.45 | 74.37 |
| Blowing Rock | 3.57 | 5.18 | 3.17 | 1.03 | 6.87 | 6.23 | 29.78 | 3.03 | 3.80 | 2.65 | 1.40 | 3.17 | 69.88 |
| Brevard | 3.54 | 4.64 | 1.32 | 3.26 | 6.63 | 8.74 | 25.06 | 3.52 | 2.81 | 5.08 | 2.63 | 2.73 | 71.96 |
| Brewers | 4.68 | 2.50 | 1.09 | 1.40 | 6.00 | 4.38 | 21.15 | 6.26 | 2.49 | 3.26 | 1.61 | 2.35 | 58.17 |
| Bryson City | 5.78 | 5.00 | 2.45 | 2.44 | 5.41 | 7.96 | 4.78 | 2.94 | 2.06 | 4.24 | 3.41 | 4.30 | 50.77 |
| Cane River | 3.52 | 4.23 | 2.64 | 2.00 | 3.22 | 6.33 | 10.36 | 2.84 | 2.53 | 1.71 | 2.16 | 2.83 | 44.37 |
| Caroleen | 2.60 | 4.71 | 1.52 | 2.55 | 4.17 | 7.35 | 19.40 | 3.88 | 2.41 | 2.40 | 0.97 | 2.68 | 54.64 |
| Chapel Hill | 2.39 | 4.05 | 1.79 | 3.15 | 2.19 | 8.16 | 5.74 | 4.50 | 0.80 | 2.03 | 0.78 | 2.41 | 37.99 |
| Charlotte | 1.66 | 5.87 | 1.38 | 2.15 | 4.41 | 5.55 | 16.55 | 2.70 | 0.88 | 2.64 | 0.36 | 2.32 | 46.47 |
| Chimney Rock | 3.06 | 5.72 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.08 | ..... | 2.36 | ..... |
| Cullowhee | 2.94 | 4.13 | 2.81 | 1.32 | 4.37 | 5.30 | 8.09 | 2.58 | 2.47 | 2.51 | 1.78 | 2.98 | 41.28 |
| Durham (near) | 2.06 | 3.95 | 1.75 | 3.02 | 2.16 | 7.50 | 5.36 | 4.56 | 1.89 | 2.69 | 1.07 | 2.88 | 38.89 |
| Eagle Nest | ..... | ..... | ..... | ..... | ..... | 6.39 | 8.35 | 4.33 | 0.94 | ..... | ..... | ..... | ..... |
| Eagletown | 3.28 | 4.42 | 2.81 | 2.78 | 5.30 | 5.45 | 8.70 | 6.55 | 3.70 | 3.39 | 1.54 | 3.68 | 51.60 |
| Edenton | 4.00 | 4.05 | 2.70 | 2.06 | 4.90 | 3.50 | 5.50 | 3.50 | 2.82 | 2.59 | 0.70 | 3.40 | 39.65 |
| Elizabeth City | 3.50 | 4.65 | 2.21 | 2.70 | 3.79 | 4.15 | 6.72 | 3.36 | 1.82 | 2.13 | 1.55 | 4.49 | 41.07 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *North Carolina*—Continued. | | | | | | | | | | | | | |
| Elizabethtown | 2.45 | 3.45 | 4.11 | 0.96 | 3.59 | 5.38 | 14.38 | 2.93 | 4.34 | 4.63 | 0.87 | 2.54 | 49.63 |
| Elkin | 2.40 | 4.72 | 1.12 | 2.17 | 4.21 | 4.97 | 10.16 | 6.45 | 2.97 | 3.51 | 1.32 | 2.58 | 46.58 |
| Ellijay | 4.61 | 4.76 | 2.49 | 2.15 | 4.84 | 6.25 | 13.71 | 4.42 | 3.54 | 3.24 | 2.32 | 3.23 | 55.56 |
| Enfield | 2.50 | 4.40 | 2.17 | 3.19 | 3.93 | 7.52 | 7.67 | 4.01 | 3.71 | 2.75 | 1.61 | 3.18 | 46.64 |
| Fayetteville | 3.27 | 2.99 | 2.03 | 2.12 | 6.66 | 6.73 | 7.78 | 4.20 | 1.03 | 3.32 | 0.71 | 2.79 | 43.63 |
| Globe | 4.60 | 3.51 | 2.52 | 1.59 | 4.35 | 7.71 | 34.37 | 7.38 | 5.71 | 4.06 | 1.72 | 2.93 | 80.45 |
| Goldsboro | 2.86 | 3.35 | 2.38 | 2.04 | 4.96 | 6.02 | 6.95 | 3.92 | 3.69 | 2.51 | 1.06 | 2.90 | 42.64 |
| Gorge | 3.31 | 4.10 | 1.55 | 1.60 | 4.45 | 6.42 | 37.40 | 8.27 | 3.23 | 3.96 | 1.74 | 2.85 | 78.88 |
| Graham | 1.85 | 4.80 | 1.62 | 2.83 | 3.45 | 7.81 | 6.10 | 2.25 | 1.45 | 1.54 | 0.95 | 2.96 | 37.61 |
| Greensboro | 1.97 | 4.57 | 2.08 | 2.71 | 5.83 | 9.67 | 8.23 | 3.27 | 2.98 | 1.66 | 1.50 | 2.12 | 46.59 |
| Greenville | 3.13 | 3.92 | 2.59 | 2.70 | 6.05 | 6.55 | 8.80 | 6.16 | 2.93 | 4.76 | 1.65 | 2.67 | 51.91 |
| Hatteras | 1.26 | 5.05 | 2.30 | 2.82 | 1.98 | 3.89 | 4.93 | 4.54 | 2.73 | 4.16 | 2.12 | 2.10 | 37.88 |
| Henderson | 1.72 | 3.79 | 1.72 | 2.96 | 2.36 | 6.10 | 6.18 | 5.83 | 1.74 | 2.18 | 1.88 | 2.74 | 39.20 |
| Hendersonville | 2.44 | 5.86 | 2.00 | 3.48 | 4.50 | 7.82 | 22.09 | 4.83 | 2.26 | 3.39 | 1.56 | 3.15 | 63.38 |
| Hickory | 2.96 | 3.83 | 1.54 | 2.04 | 4.15 | 7.94 | 19.38 | 4.44 | 2.50 | 2.98 | 1.81 | 2.66 | 55.73 |
| Highlands | 9.07 | 6.50 | 2.28 | 3.91 | 8.98 | 11.61 | 35.49 | 4.38 | 5.66 | 6.58 | 4.31 | 6.33 | 105.10 |
| Hot Springs | 2.70 | 3.19 | 3.55 | 2.20 | 3.53 | 3.84 | 5.14 | 4.03 | 1.78 | 2.48 | 1.49 | 2.83 | 36.76 |
| Jefferson | 3.08 | 3.42 | 1.83 | 1.55 | 3.50 | 6.36 | 21.13 | 5.17 | 3.53 | 5.08 | 1.42 | 1.83 | 57.90 |
| Kinston | 4.29 | 2.73 | 2.86 | 2.23 | 4.35 | 9.14 | 7.06 | 5.50 | 4.19 | 1.75 | 1.24 | 2.88 | 48.22 |
| Lenoir | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6.30 | 2.57 | 0.66 | 2.72 | ..... |
| Lillington | 1.56 | 2.99 | 2.21 | 0.84 | 9.16 | 4.80 | 6.86 | 7.30 | 2.23 | 1.93 | 0.33 | 2.59 | 42.80 |
| Lincolnton | 2.63 | 4.68 | 1.55 | 2.34 | 4.56 | 5.90 | 18.47 | 5.25 | 2.37 | 4.82 | 0.98 | 2.73 | 56.28 |
| Louisburg | 2.66 | 3.51 | 1.93 | 2.68 | 4.40 | 4.47 | 5.39 | 6.04 | 2.69 | 2.89 | 1.14 | 2.71 | 40.51 |
| Lumberton | 2.11 | 3.34 | 3.26 | 2.21 | 4.04 | 5.91 | 14.16 | 4.17 | 2.80 | 3.34 | 1.14 | 2.20 | 48.68 |
| Manteo | 2.76 | 4.26 | 2.80 | 2.00 | 2.65 | 3.91 | 6.92 | 3.87 | 5.00 | 1.84 | 1.14 | 3.74 | 40.89 |
| Marion | 3.50 | 4.29 | 1.34 | 2.16 | 2.72 | 7.46 | 24.42 | 6.48 | 2.62 | 4.46 | 0.97 | 4.07 | 67.49 |
| Marshall | 2.75 | 3.06 | 2.76 | 1.66 | 4.31 | 5.37 | 7.14 | 2.57 | 2.91 | 3.03 | 1.73 | 1.92 | 39.21 |
| Moncure | 2.42 | 3.19 | 2.18 | 1.81 | 3.64 | 6.31 | 5.00 | 2.45 | 1.59 | 1.70 | 0.89 | 1.95 | 34.13 |
| Monroe | 2.64 | 4.76 | 1.95 | 1.24 | 4.46 | 5.21 | 12.44 | 4.12 | 0.85 | 1.68 | 0.49 | 1.86 | 41.70 |
| Morganton | 2.56 | 4.50 | 1.68 | 1.52 | 4.26 | 7.11 | 15.48 | 3.78 | 2.91 | 3.36 | 1.23 | 2.75 | 51.14 |
| Mount Airy | 2.29 | 3.85 | 0.97 | 1.45 | 4.84 | 3.89 | 9.85 | 4.07 | 2.38 | 3.77 | 1.24 | 2.16 | 40.76 |
| Mount Holly | 2.96 | 5.46 | 1.85 | 2.60 | 6.97 | 7.85 | 11.45 | 4.25 | 1.56 | 2.82 | 1.30 | 3.06 | 52.13 |
| Murphy | 4.60 | 5.83 | 1.63 | 2.12 | 4.74 | 6.03 | 10.28 | 5.82 | 2.08 | 2.69 | 3.49 | 4.42 | 54.73 |
| Nashville | 2.82 | 4.16 | 2.17 | 2.53 | 5.03 | 6.73 | 6.26 | 5.08 | 4.60 | 3.36 | 1.80 | 2.35 | 46.89 |
| Neuse | 2.60 | 3.20 | 2.13 | 2.14 | 2.55 | 7.63 | 7.86 | 1.98 | 1.63 | 1.69 | 0.69 | 2.67 | 36.77 |
| Newbern | 1.93 | 3.22 | 3.43 | 1.90 | 3.48 | 6.97 | 8.14 | 5.06 | 7.57 | 3.24 | 2.03 | 2.78 | 49.75 |
| North Wilkesboro (near) | 3.61 | 4.33 | 0.50 | 2.17 | 4.36 | 5.03 | 19.76 | 5.70 | 2.57 | 2.68 | 1.59 | 2.15 | 54.45 |
| Pinehurst | 2.80 | 3.62 | 1.74 | 2.10 | 4.05 | 7.36 | 9.41 | 3.70 | 2.21 | 1.19 | 0.42 | 2.65 | 41.25 |
| Raleigh | 2.69 | 2.76 | 2.17 | 2.32 | 2.95 | 7.17 | 8.09 | 6.10 | 1.42 | 2.08 | 0.93 | 2.25 | 40.93 |
| Ramseur | 1.70 | 4.00 | 1.67 | 2.02 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Randleman | 1.88 | 5.90 | 2.11 | 3.08 | 4.45 | 7.60 | 6.95 | 5.30 | 1.15 | 2.20 | 1.30 | 3.27 | 45.19 |
| Reidsville | 1.27 | 4.72 | 1.64 | 2.26 | 6.99 | 6.68 | 5.53 | 4.98 | 1.69 | 1.43 | 0.99 | 2.94 | 42.12 |
| Rock House | 7.07 | 5.34 | 2.93 | 2.46 | 7.42 | 10.24 | 36.44 | 5.65 | 5.45 | 3.27 | 4.26 | 5.69 | 95.62 |
| Rockingham | ..... | 3.75 | 1.83 | 1.99 | 2.27 | 7.95 | 9.98 | 3.32 | 1.00 | 2.48 | 0.35 | 2.64 | ..... |
| Rocky Mount | 2.29 | 3.59 | 2.12 | 2.15 | 4.60 | 6.50 | 5.89 | 4.27 | 4.39 | 2.92 | 1.64 | 2.90 | 43.26 |
| Rougemont | 1.16 | 4.85 | 1.55 | 2.55 | 3.95 | 7.95 | 5.16 | 4.30 | 2.30 | 2.40 | 1.15 | 2.25 | 39.57 |
| Salisbury | 2.37 | 5.75 | 1.74 | 2.44 | 6.51 | 6.27 | 11.16 | 6.27 | 1.32 | 1.94 | 0.87 | 2.53 | 49.17 |
| Sanatorium | 3.22 | 3.28 | 2.03 | 1.95 | 4.85 | 8.60 | 10.59 | 4.81 | ..... | ..... | 0.67 | 2.90 | ..... |
| Scotland Neck | 2.52 | 2.67 | 2.51 | 2.07 | 4.08 | 5.97 | 7.51 | 4.33 | 3.74 | 2.66 | 1.10 | 2.57 | 41.73 |
| Settle | 1.81 | 5.54 | 1.16 | 2.06 | 5.60 | 7.90 | 11.05 | 6.59 | 2.14 | 7.10 | 0.80 | 2.40 | 54.15 |
| Siler City | ..... | ..... | ..... | ..... | ..... | ..... | 9.44 | 4.40 | 1.60 | 1.70 | 0.79 | 2.62 | ..... |
| Sloan | 1.77 | 3.75 | 3.56 | 1.55 | 4.41 | 5.22 | 8.65 | 8.68 | 2.10 | 4.92 | 1.84 | 2.58 | 50.03 |
| Smithfield | 2.66 | 3.35 | 2.46 | 2.17 | 4.68 | 6.16 | 12.06 | 7.59 | 2.52 | 2.55 | 1.10 | 3.38 | 50.68 |
| Southern Pines | 2.90 | 2.72 | 3.25 | 2.10 | 6.10 | 8.30 | 11.92 | 6.00 | 2.00 | 3.05 | 0.88 | 2.35 | 51.57 |
| Southport | 1.77 | 2.44 | 3.37 | 1.92 | 3.63 | 3.84 | 5.05 | 3.41 | 2.88 | 6.22 | 3.12 | 1.68 | 39.33 |
| Statesville | 3.48 | 6.09 | 2.04 | 2.38 | 4.32 | 7.42 | 15.46 | 3.46 | 1.93 | 2.85 | 1.13 | 3.52 | 54.08 |
| Swan Quarter | 2.76 | 3.81 | 2.99 | 3.75 | 4.64 | 6.69 | 5.11 | 9.76 | 2.48 | 3.16 | 2.02 | 2.63 | 49.80 |
| Tarboro | 3.49 | 3.82 | 3.30 | 2.58 | 5.25 | 4.57 | 5.98 | 6.51 | 2.08 | 3.07 | 1.32 | 3.34 | 45.31 |
| Transon | 4.33 | 4.03 | 2.58 | 1.20 | 6.10 | 5.35 | 32.64 | 9.09 | 4.84 | 5.33 | 1.45 | 2.96 | 79.90 |
| Tryon (near) | 3.92 | 6.97 | 1.60 | 2.40 | 8.26 | 3.30 | 24.65 | 4.85 | 3.88 | 2.89 | 1.46 | 3.96 | 68.14 |
| Waynesville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.66 | 0.47 | ..... | 1.52 | 1.95 | ..... |
| Weldon | 1.88 | 3.25 | 1.65 | 2.40 | 4.43 | 4.93 | 6.81 | 3.79 | 4.26 | 3.48 | 1.65 | 2.77 | 41.30 |
| Winona | 1.80 | 2.32 | ..... | 2.02 | 5.90 | 7.76 | 7.42 | 8.75 | 3.10 | 2.15 | 1.50 | 3.69 | ..... |
| Willard | 1.53 | 3.41 | 3.24 | 1.63 | 5.17 | 7.25 | 8.66 | 5.33 | 2.98 | 5.39 | 1.61 | 3.05 | 49.25 |
| Wilmington | 1.12 | 2.64 | 2.83 | 1.21 | 3.35 | 6.73 | 10.83 | 2.36 | 4.57 | 5.12 | 1.97 | 1.19 | 43.92 |
| Wilson | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.09 | 1.47 | 2.82 | ..... |
| Winston-Salem | 1.79 | 5.12 | 1.57 | 2.65 | 6.28 | 4.37 | 9.39 | 4.01 | 1.77 | 3.20 | 1.42 | 2.28 | 43.85 |
| *North Dakota.* | | | | | | | | | | | | | |
| Alexander | ..... | ..... | ..... | ..... | ..... | 3.89 | 1.67 | 2.56 | 1.18 | 0.74 | 0.52 | 0.58 | ..... |
| Amenia | 0.80 | 0.15 | 0.32 | 2.90 | 3.28 | 3.65 | 4.29 | 3.51 | 2.54 | 0.01 | 0.05 | 1.05 | 22.55 |
| Aplin | 1.20 | 0.30 | 1.12 | 2.12 | 1.38 | 5.35 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Ashley | 1.60 | 0.10 | 1.68 | 1.28 | 4.35 | 4.19 | 6.03 | 4.61 | 0.82 | 0.31 | 0.20 | 1.90 | 27.07 |
| Beach | 1.43 | 0.10 | 0.54 | 0.89 | 1.50 | 4.27 | 1.49 | 1.19 | 1.75 | 0.64 | 0.35 | 0.17 | 14.32 |
| Berthold Agency | 0.62 | 0.05 | 0.86 | 1.74 | 1.33 | 4.84 | 1.36 | 3.33 | 0.83 | 1.33 | 0.45 | 1.13 | 17.87 |
| Bierman | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.64 | 3.01 | 1.13 | 0.33 | 0.78 | ..... |
| Bismarck | 0.81 | 0.39 | 3.27 | 0.65 | 1.95 | 1.50 | 4.03 | 1.97 | 0.70 | 0.18 | 0.13 | 1.52 | 17.10 |
| Bottineau | 1.08 | 0.24 | 0.46 | 0.93 | 1.07 | 3.05 | 2.36 | 4.75 | 1.13 | 1.08 | 0.24 | 0.36 | 16.75 |
| Bowbells | 3.07 | 1.25 | 1.18 | 1.26 | 1.37 | 4.21 | 0.38 | 2.77 | 1.62 | 1.16 | 1.12 | 0.53 | 19.92 |
| Bowman | 1.20 | 0.00 | 0.65 | 2.27 | 2.34 | 4.66 | 1.85 | 1.42 | 1.72 | 0.65 | 0.39 | 0.28 | 17.43 |
| Buford | 1.51 | 0.42 | 0.30 | 0.26 | 1.79 | 4.99 | 2.06 | 1.70 | 1.20 | 0.52 | 0.27 | 0.65 | 15.67 |
| Cando | 0.50 | 0.22 | 1.01 | ..... | 1.06 | 3.87 | 2.13 | 2.32 | 1.18 | 0.80 | 0.20 | 0.71 | ..... |
| Carson | 0.50 | 0.25 | 2.20 | 2.16 | 1.74 | 3.46 | 1.14 | 2.20 | 2.75 | 0.50 | 0.61 | 1.09 | 18.60 |
| Colgate | 2.10 | 0.40 | 1.80 | 2.51 | 4.06 | 4.91 | 3.32 | 3.19 | 2.60 | 0.61 | 0.25 | 0.95 | 26.70 |
| Cooperstown | 1.40 | 0.30 | 0.50 | 0.80 | 3.10 | 4.60 | 5.00 | 3.15 | 1.00 | 0.10 | 0.10 | 0.80 | 20.85 |
| Crosby | 1.31 | 0.45 | 1.05 | 1.14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Devils Lake | 0.71 | 0.32 | 1.09 | 1.09 | 1.47 | 4.14 | 3.70 | 3.16 | 0.89 | 0.67 | 0.12 | 0.90 | 18.26 |
| Dickinson | 0.80 | 0.32 | 1.19 | 2.71 | 2.19 | 3.77 | 2.46 | 1.77 | 0.73 | 1.10 | 0.38 | 0.98 | 18.40 |
| Donnybrook | 0.55 | 0.60 | 0.65 | 1.35 | 0.79 | 2.76 | 0.88 | 2.01 | 1.41 | 1.13 | 0.10 | 0.55 | 12.78 |
| Dunseith | 1.70 | 0.62 | 0.82 | 0.35 | 2.30 | 3.55 | 2.91 | 4.47 | 1.39 | 2.02 | 0.08 | 0.02 | 20.23 |
| Eckman | 1.28 | 0.80 | 0.56 | 1.20 | 1.09 | 2.77 | 3.54 | 3.44 | 0.97 | 1.29 | 0.36 | 1.30 | 18.60 |
| Edgeley | 0.91 | 0.16 | 1.59 | 1.41 | 4.55 | 2.56 | 3.91 | 2.90 | 0.69 | 0.36 | T. | 0.79 | 19.83 |
| Energy | 0.83 | 0.13 | 1.48 | 0.84 | 1.39 | 5.05 | 2.09 | 2.33 | 0.90 | 1.30 | 0.20 | 1.25 | 17.79 |
| Epping | 1.23 | 0.68 | 0.56 | 1.20 | 1.90 | 5.81 | 0.59 | 1.69 | 1.89 | 0.25 | 0.42 | 1.36 | 17.58 |
| Fessenden | 1.07 | 0.27 | 1.93 | 1.01 | 1.74 | 4.00 | 3.31 | 1.04 | 1.04 | 0.43 | 0.22 | 1.85 | 17.91 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *North Dakota*—Continued. | | | | | | | | | | | | | |
| Forman | 1.62 | 0.10 | 1.15 | 3.05 | 5.16 | 6.78 | 10.10 | 4.09 | 2.59 | 0.05 | 0.07 | 0.75 | 35.51 |
| Fullerton | 1.54 | 0.19 | 2.08 | 1.26 | 4.99 | 3.51 | 5.94 | 4.24 | 3.00 | 0.35 | 0.19 | 1.88 | 29.17 |
| Garrison | 0.84 | 0.75 | 2.83 | 1.20 | 0.93 | 5.13 | 2.27 | 2.14 | 0.96 | 0.68 | 0.70 | 1.87 | 20.30 |
| Goodall | 3.30 | 0.75 | 0.80 | 1.55 | 1.40 | 4.54 | 0.55 | 2.11 | 0.70 | 0.85 | 0.44 | 1.10 | 18.09 |
| Grafton | 1.76 | 0.57 | 1.28 | 0.54 | 1.24 | 3.47 | 1.40 | 2.48 | 1.26 | 0.79 | 0.01 | 1.61 | 16.41 |
| Grand Rapids | 1.20 | T. | 1.80 | 1.00 | 3.90 | 2.45 | 6.11 | 3.23 | 3.35 | 0.35 | 0.08 | 1.00 | 24.47 |
| Granville | 0.39 | 0.58 | 1.50 | 1.20 | 0.89 | 3.12 | 2.99 | 3.75 | 0.86 | 1.38 | 0.22 | 0.68 | 17.56 |
| Hannah | 2.90 | 0.20 | 1.30 | 0.91 | 1.61 | 5.04 | 2.49 | 1.31 | 0.28 | 1.16 | 0.20 | 1.50 | 18.90 |
| Hansboro | 3.50 | 1.30 | 2.30 | 0.72 | 1.70 | 3.03 | 4.42 | 1.93 | 1.80 | 1.55 | 0.10 | 2.53 | 24.88 |
| Hettinger | 0.59 | 0.22 | 3.04 | 1.85 | 1.72 | 2.81 | 1.76 | 2.05 | 0.43 | 0.15 | 0.29 | 1.19 | 16.10 |
| Hillsboro | 1.95 | 0.95 | 1.55 | 3.35 | 3.54 | 3.44 | 5.07 | 5.37 | 3.97 | 0.33 | 0.15 | 1.94 | 31.61 |
| Howard | 1.30 | 0.65 | 1.80 | 1.09 | 1.83 | 1.99 | 1.42 | 1.87 | 2.08 | 0.27 | 0.86 | 0.80 | 15.96 |
| Jamestown | 1.33 | 0.45 | 2.55 | 0.95 | 2.33 | 2.58 | 2.63 | 3.11 | 1.37 | 0.09 | 0.15 | 0.75 | 18.29 |
| Lakota | 0.44 | 0.12 | 0.52 | 2.04 | 0.98 | 3.65 | 5.10 | 2.55 | 0.96 | 0.72 | 0.21 | 0.78 | 18.07 |
| Lamoine | 1.30 | 0.50 | 3.00 | T. | 1.56 | 2.76 | 2.07 | 3.04 | 0.66 | T. | 0.20 | 1.90 | 16.99 |
| Langdon | 1.70 | 0.85 | 1.25 | 1.22 | 1.29 | 2.65 | 2.49 | 2.16 | 1.75 | 1.05 | 0.04 | 2.40 | 18.85 |
| Larimore | 1.62 | 0.67 | 1.12 | 1.46 | 2.10 | 5.09 | 8.14 | 2.18 | 1.85 | 0.84 | 0.15 | 1.20 | 26.42 |
| Lisbon | 2.10 | 0.32 | 0.80 | 1.75 | 3.40 | 5.03 | 6.50 | 3.96 | 3.69 | T. | T. | 0.20 | 27.75 |
| McHenry | 1.26 | 0.75 | 0.85 | 1.45 | 2.81 | 4.70 | 9.45 | 4.16 | 1.54 | 0.34 | 0.21 | 2.22 | 29.74 |
| McKinney | 0.80 | 0.40 | 0.70 | 0.10 | 0.45 | 3.27 | 0.24 | 2.78 | 1.15 | 1.42 | 0.20 | 0.50 | 12.01 |
| McLeod | 2.20 | 0.40 | 1.15 | 2.42 | 4.75 | 5.52 | 3.95 | 3.27 | 4.36 | 0.33 | 0.10 | 1.00 | 29.45 |
| Maddock | 0.36 | 0.17 | 0.86 | 0.74 | 1.17 | 3.94 | 5.60 | 3.47 | 0.77 | 0.51 | 0.08 | 0.59 | 18.26 |
| Mandan | 0.28 | 0.09 | 1.89 | 0.93 | 1.69 | 2.25 | 3.55 | 1.96 | 0.92 | 0.27 | 0.07 | 1.06 | 14.96 |
| Manfred | 1.07 | 0.46 | 2.57 | 1.25 | 1.46 | 4.55 | 2.99 | 0.67 | 1.12 | 0.69 | 0.23 | 1.53 | 18.59 |
| Manning | 1.40 | 0.06 | 0.49 | 2.20 | 1.93 | 5.76 | 1.08 | 1.72 | 0.03 | 1.26 | 0.30 | 0.19 | 16.42 |
| Marmarth | 0.38 | 0.20 | 1.02 | 1.20 | 1.83 | 3.09 | 2.40 | 2.09 | 0.58 | 0.79 | 0.75 | 0.74 | 15.07 |
| Marstonmoor | ..... | ..... | 1.00 | 0.52 | 5.07 | 3.85 | 3.03 | 3.32 | 1.69 | 0.35 | 0.12 | 0.80 | ..... |
| Mayville | 1.66 | 0.79 | 2.37 | 2.50 | 3.70 | 4.71 | 3.87 | 3.35 | 4.31 | 0.14 | 0.10 | 1.35 | 28.85 |
| Melville | 0.90 | 0.40 | 2.10 | 1.23 | 3.97 | 2.79 | 2.91 | 2.15 | 1.35 | 0.10 | 0.30 | 1.00 | 19.20 |
| Milnor | 2.17 | 0.15 | 2.00 | 2.08 | 4.50 | 5.53 | 7.41 | 3.58 | 5.26 | 0.15 | T. | 2.35 | 35.18 |
| Minot | 2.40 | 0.67 | 1.35 | 1.61 | 0.75 | 3.29 | 0.62 | 2.70 | 0.87 | 1.13 | 0.45 | 1.70 | 17.54 |
| Minto | 1.32 | 0.42 | 1.71 | 0.54 | 1.74 | 2.61 | 3.15 | 1.80 | 1.34 | 0.45 | 0.17 | 1.71 | 16.96 |
| Mott | 1.38 | 0.28 | 2.61 | 2.56 | 1.44 | 2.87 | 1.01 | 2.16 | 1.29 | 0.65 | 0.44 | 1.48 | 18.17 |
| Napoleon | 0.80 | 0.30 | 2.95 | 1.05 | 3.42 | 3.13 | 2.52 | 3.16 | 1.07 | 0.15 | 0.10 | 1.45 | 20.10 |
| New England | 1.00 | 0.00 | 1.92 | 1.65 | 2.69 | 2.88 | ..... | ..... | 1.68 | 0.78 | 0.20 | 0.60 | ..... |
| New Salem | 1.45 | 0.44 | 2.82 | 0.78 | 1.33 | 4.04 | 2.96 | 2.11 | 0.78 | 0.66 | 0.17 | 2.02 | 19.56 |
| Orange | 0.20 | 2.30 | 1.35 | 1.77 | 2.02 | 2.56 | 1.14 | 1.97 | 0.45 | 0.10 | 0.16 | 1.00 | 15.02 |
| Oriska | ..... | ..... | ..... | 1.66 | 3.07 | 4.05 | 4.50 | 4.13 | 2.89 | 0.02 | 0.05 | 1.60 | ..... |
| Park River | 0.92 | 0.20 | 0.81 | 1.07 | 2.20 | 3.20 | 2.01 | 2.01 | 0.99 | 0.81 | 0.02 | 2.23 | 16.47 |
| Parshall | 0.64 | 0.37 | 0.53 | 1.51 | 0.83 | 3.09 | 1.72 | 3.05 | 1.00 | 1.03 | 0.20 | 0.53 | 14.50 |
| Pembina | 3.00 | 0.80 | 2.52 | 0.32 | 0.58 | 3.50 | 1.96 | 2.25 | 1.22 | 2.06 | 0.00 | 2.80 | 21.01 |
| Power | 2.00 | 0.25 | ..... | 1.37 | 4.29 | 5.30 | 4.55 | ..... | 5.64 | ..... | ..... | ..... | ..... |
| Powers Lake | 1.34 | 1.55 | 0.90 | 1.75 | 0.72 | 3.69 | 1.22 | 2.05 | 1.32 | 0.95 | 0.60 | 0.84 | 16.93 |
| Ranger | 1.12 | 0.27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Steele | 1.65 | 0.64 | 4.12 | 1.06 | 3.35 | 5.00 | 3.98 | 4.54 | 0.54 | 0.55 | 0.16 | 3.09 | 28.68 |
| Taylor | ..... | ..... | 1.55 | ..... | ..... | 3.23 | 2.17 | 2.00 | 3.25 | 0.67 | 0.48 | 0.65 | ..... |
| Towner | 2.00 | 0.50 | 1.60 | 1.54 | 1.61 | 2.98 | 4.12 | 2.79 | 1.46 | 1.55 | 0.30 | 0.80 | 21.25 |
| Turtle Lake | 1.10 | 0.40 | 1.50 | 1.05 | 1.35 | 5.15 | 1.95 | 1.85 | 0.35 | 1.15 | 0.35 | 1.20 | 17.40 |
| University | 1.66 | 0.65 | 1.98 | 1.76 | 2.59 | 3.40 | 3.51 | 3.57 | 1.19 | 0.64 | 0.01 | 1.66 | 22.62 |
| Wahpeton | 1.21 | 0.21 | 1.51 | 3.08 | 3.01 | 4.63 | 5.74 | 4.85 | 3.03 | 0.04 | T. | 1.07 | 28.38 |
| Walhalla | 2.20 | 0.30 | 1.30 | 0.63 | 1.50 | 2.18 | 3.84 | 2.66 | 1.13 | 1.13 | 0.10 | 2.80 | 19.77 |
| Westhope | 1.30 | 0.30 | 0.90 | 0.85 | 1.36 | 3.10 | 2.08 | 2.67 | 0.93 | 0.98 | 0.24 | 0.80 | 15.51 |
| Williston | 1.17 | 0.39 | 0.80 | 1.31 | 1.61 | 4.73 | 1.14 | 1.95 | 1.26 | 0.63 | 0.35 | 1.50 | 16.84 |
| Willow City | 2.30 | 0.90 | 1.30 | 1.43 | 1.11 | 3.12 | 2.19 | 5.38 | 1.15 | 1.44 | 0.55 | 1.50 | 22.37 |
| Zap | 0.54 | 0.18 | 1.50 | 1.46 | 1.75 | 5.87 | 1.57 | 2.15 | 0.63 | 1.28 | 0.17 | 0.63 | 17.73 |
| *Ohio.* | | | | | | | | | | | | | |
| Akron | 2.48 | 1.84 | 3.47 | 2.22 | 8.35 | 4.67 | 2.12 | 2.90 | 2.42 | 2.86 | 2.15 | 2.08 | 37.56 |
| Amesville | 5.10 | 4.04 | 3.73 | 1.70 | 3.85 | 5.35 | 1.88 | 2.85 | 2.57 | 2.77 | 1.70 | 4.25 | 39.79 |
| Ashland | 3.77 | 1.03 | 3.60 | 3.52 | 4.23 | 4.01 | 0.74 | 1.76 | 1.89 | 2.45 | 2.72 | 2.86 | 32.58 |
| Bangorville | 5.66 | 1.87 | 4.87 | 2.55 | 3.83 | 5.27 | 2.75 | 1.04 | 1.84 | 2.28 | 3.64 | 2.90 | 38.50 |
| Batavia | 6.29 | 2.39 | 4.59 | 1.94 | 3.93 | 4.27 | 1.31 | 4.97 | 2.25 | 2.14 | 1.97 | 3.64 | 39.69 |
| Bellefontaine | 5.50 | 0.92 | 5.55 | 2.60 | 5.22 | 5.58 | 0.61 | 3.74 | 2.69 | 1.22 | 2.09 | 2.45 | 38.17 |
| Bellpoint | 4.41 | 1.28 | 6.32 | 2.14 | 3.51 | 4.31 | ..... | 1.35 | 1.76 | 1.70 | 1.65 | ..... | ..... |
| Benton Ridge | 4.67 | 0.71 | 3.23 | 2.68 | 4.28 | 6.68 | 1.56 | 1.84 | 1.83 | 1.82 | 2.73 | 2.74 | 34.77 |
| Beverly | 4.80 | 3.56 | 4.49 | 1.68 | 5.73 | 5.47 | 3.45 | 3.45 | 2.54 | 2.76 | 1.62 | 3.85 | 43.40 |
| Bowling Green | 5.26 | 1.18 | 4.46 | 2.09 | 3.62 | 4.87 | 0.35 | 2.05 | 1.79 | 1.65 | 1.72 | 2.67 | 31.71 |
| Brilliant | 3.57 | 4.00 | 3.50 | 3.67 | 4.29 | 4.50 | 3.03 | 2.99 | 2.12 | 2.50 | 2.80 | 3.18 | 40.15 |
| Bucyrus | 3.83 | 1.23 | 2.15 | 3.75 | 4.31 | 3.82 | 1.52 | 2.32 | 2.53 | 2.18 | 3.60 | 2.55 | 34.79 |
| Cadiz | 5.85 | 3.42 | 3.37 | 4.26 | 3.57 | 6.57 | 2.49 | 2.93 | 2.29 | 2.71 | 4.07 | 2.71 | 44.24 |
| Cambridge | 4.12 | 2.72 | 4.64 | 1.64 | 4.80 | 5.03 | 2.41 | 4.19 | 2.50 | 2.04 | 2.40 | 2.54 | 39.12 |
| Canfield | ..... | ..... | ..... | ..... | 5.22 | 5.12 | 3.45 | 1.49 | 2.38 | 2.19 | ..... | 1.96 | ..... |
| Canton | 4.17 | 1.65 | 4.21 | 2.80 | 4.49 | 6.82 | 2.05 | 2.48 | 1.41 | 2.59 | 3.17 | 2.76 | 38.60 |
| Cardington | 3.20 | ..... | 3.63 | 3.15 | 2.94 | 4.06 | 3.20 | 1.86 | 1.91 | 1.87 | 2.25 | 2.90 | ..... |
| Catawba Island | ..... | ..... | ..... | ..... | 5.17 | 4.37 | 1.16 | 0.92 | 1.88 | 1.38 | 2.02 | ..... | ..... |
| Chillicothe | 5.54 | 2.38 | 5.06 | 2.57 | 3.89 | 4.28 | 5.01 | 5.81 | 1.37 | 2.63 | 1.47 | 4.10 | 44.11 |
| Cincinnati | 5.84 | 1.73 | 3.34 | 2.51 | 4.49 | 4.32 | 1.79 | 3.57 | 3.29 | 1.81 | 1.85 | 3.60 | 38.14 |
| Circleville | 5.71 | 2.51 | 5.19 | 2.45 | 5.48 | 5.80 | 0.44 | 5.22 | 2.24 | 2.70 | 1.62 | 4.05 | 43.41 |
| Clarington | 5.11 | 4.33 | 5.09 | 3.05 | 6.17 | 5.15 | 3.24 | 8.40 | 2.89 | 2.90 | 2.60 | 4.33 | 53.26 |
| Cleveland | 2.40 | 1.52 | 2.29 | 2.43 | 2.04 | 1.98 | 2.48 | 1.36 | 2.84 | 2.19 | 2.35 | 2.06 | 25.94 |
| Cleveland (Case School) | 3.13 | ..... | ..... | ..... | 3.52 | 2.90 | 1.77 | 1.75 | 3.66 | 2.32 | 2.11 | 1.75 | ..... |
| Cleveland (St. Ignatius) | 3.26 | 1.86 | 2.91 | 2.57 | 2.57 | 1.94 | 3.20 | 1.20 | 3.60 | 1.94 | 2.38 | 2.43 | 29.86 |
| Clyde | ..... | ..... | ..... | 2.16 | 4.09 | 5.10 | 1.60 | 4.68 | 1.95 | 1.50 | 2.50 | ..... | ..... |
| Columbiana | ..... | 1.61 | 2.88 | ..... | 2.44 | 4.69 | 2.60 | 1.20 | ..... | ..... | ..... | ..... | ..... |
| Columbus | 5.02 | 1.47 | 4.88 | 2.33 | 4.81 | 3.49 | 0.66 | 3.22 | 1.54 | 1.84 | 1.58 | 3.50 | 34.43 |
| Columbus Reservoir | 4.53 | 1.22 | 5.63 | 1.96 | 5.16 | 5.73 | ..... | ..... | ..... | 1.57 | ..... | ..... | ..... |
| Coshocton | 4.28 | 1.60 | 4.04 | 2.63 | 4.67 | 5.90 | 2.31 | 2.59 | 3.40 | 2.28 | 3.61 | 2.69 | 40.00 |
| Dam No. 28 | 4.77 | 4.06 | 4.22 | 2.90 | 4.42 | 5.18 | 3.36 | 7.77 | 3.17 | 2.20 | 1.54 | 4.21 | 47.80 |
| Danbury | ..... | 0.85 | 1.70 | 0.91 | 4.49 | 3.89 | 0.73 | 1.91 | 1.62 | 1.03 | 1.87 | 2.08 | ..... |
| Dayton | 5.67 | 1.42 | 3.51 | 2.38 | 3.21 | 5.06 | 0.33 | 3.07 | 5.90 | 1.42 | 1.67 | 2.16 | 35.80 |
| Dayton (Boyer) | 6.37 | 1.41 | 4.20 | 3.34 | 3.92 | 6.40 | 0.43 | 2.45 | 7.27 | 1.54 | 1.86 | 2.77 | 41.96 |
| Delaware | 5.21 | 1.13 | 5.63 | 2.35 | 3.36 | 6.53 | 2.01 | 1.96 | 1.60 | 1.60 | 1.63 | 2.44 | 35.45 |
| Demos | 4.40 | 3.53 | 3.72 | 2.82 | 4.12 | 4.81 | 2.05 | 4.36 | 3.08 | 2.32 | 3.03 | 2.92 | 41.16 |
| Dennison | 5.60 | 1.88 | 3.83 | 2.12 | 3.77 | 5.39 | 2.04 | 2.09 | 2.08 | 2.31 | 2.66 | 2.76 | 36.53 |
| Dover | 4.55 | ..... | 3.80 | 3.62 | 4.35 | 6.73 | 2.69 | 2.79 | 1.66 | 2.18 | 2.99 | 2.23 | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Ohio*—Continued. | | | | | | | | | | | | | |
| Eaton | 7.37 | 1.05 | 2.80 | 2.12 | 2.89 | 6.41 | 0.80 | 3.47 | 2.31 | 2.29 | 2.01 | 3.81 | 37.33 |
| Fernbank | 4.25 | 1.93 | 2.24 | 2.71 | 3.43 | 4.47 | 1.23 | 4.35 | 2.25 | 1.87 | 1.57 | 2.62 | 32.92 |
| Findlay | 5.86 | 1.00 | 4.26 | 2.56 | 5.46 | 5.38 | 1.22 | 2.63 | 1.89 | 1.54 | 1.78 | 3.36 | 36.94 |
| Frankfort | 5.55 | 2.35 | 3.86 | 1.80 | 2.41 | 3.36 | 1.50 | 4.99 | 1.50 | 2.41 | 1.43 | 4.30 | 35.46 |
| Fremont | 5.27 | 0.92 | 3.73 | 2.36 | 4.26 | 4.38 | 2.46 | 4.94 | 1.18 | 1.83 | 2.02 | 2.48 | 34.83 |
| Gallipolis | 6.12 | 4.32 | 6.28 | 2.43 | 5.21 | 3.77 | 3.41 | 5.02 | 3.08 | 2.11 | 1.79 | 4.23 | 47.77 |
| Gambier | ..... | ..... | ..... | 1.62 | 3.58 | 4.63 | 1.70 | 2.55 | 0.64 | 2.50 | 3.01 | 2.77 | ..... |
| Geneva (No. 1) | 3.22 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Geneva (No. 2) | ..... | 1.73 | 2.36 | 2.64 | 3.69 | 4.98 | 0.57 | 3.09 | 3.87 | 3.41 | 2.56 | 3.74 | ..... |
| Germantown | 6.34 | 1.41 | 3.20 | 2.13 | 3.58 | 5.22 | 1.76 | 3.06 | 2.78 | 1.91 | 1.89 | 2.78 | 36.06 |
| Granville | 5.28 | 1.19 | 5.63 | 2.19 | 4.93 | 7.34 | 1.85 | 4.03 | 1.20 | 2.33 | 2.86 | 3.79 | 42.62 |
| Green | 7.94 | ..... | 3.34 | 1.18 | 2.46 | 3.64 | 2.53 | 5.03 | 4.10 | 2.59 | 1.74 | 3.71 | ..... |
| Green Hill | 3.42 | 1.44 | 3.02 | 3.48 | 2.59 | 5.53 | 2.84 | 2.70 | 1.08 | 2.55 | 2.70 | 1.59 | 32.94 |
| Greenville | 7.21 | 1.04 | 3.60 | 3.00 | 4.13 | 4.58 | 0.27 | 2.23 | 2.53 | 1.62 | 1.90 | 2.92 | 35.03 |
| Hamilton | 5.53 | 1.18 | 2.83 | 2.08 | 5.09 | 5.92 | 4.13 | 1.70 | 2.20 | 1.95 | 1.86 | 2.51 | 36.98 |
| Hayden ville | 6.05 | 3.64 | 5.30 | 2.04 | 5.84 | 4.72 | 1.71 | 1.45 | 2.71 | 3.13 | 1.53 | 3.88 | 42.00 |
| Hillhouse | 3.36 | 1.43 | 2.16 | 3.02 | 4.45 | 2.27 | 1.36 | 2.99 | 6.13 | 3.11 | 3.85 | 3.27 | 37.90 |
| Hillsboro | 5.40 | ..... | 4.35 | 2.18 | 5.01 | 5.26 | 2.45 | 8.63 | 2.97 | 2.65 | ..... | 3.12 | ..... |
| Hiram | 2.92 | 1.68 | 3.11 | 2.21 | 3.17 | 5.09 | 2.29 | 1.44 | 2.79 | 2.69 | 2.29 | 2.31 | 31.99 |
| Hudson | 3.96 | 1.76 | 2.90 | 2.18 | 3.34 | 4.15 | 5.88 | 1.30 | 4.22 | 2.04 | 1.38 | 2.40 | 36.01 |
| Ironton | 5.33 | 3.72 | 4.89 | 2.37 | 3.05 | 4.82 | 3.24 | 5.64 | 2.80 | 2.81 | 1.32 | 2.97 | 42.96 |
| Jackson | 6.38 | 3.14 | 5.43 | 1.73 | 5.07 | 5.16 | 3.21 | 5.95 | 3.05 | 2.58 | ..... | 3.95 | ..... |
| Kelleys Island | ..... | ..... | ..... | ..... | 4.15 | 2.74 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Kenton | 5.13 | 0.80 | 4.03 | 2.05 | 2.64 | 5.05 | 2.31 | 4.36 | 2.27 | 1.18 | 1.16 | 1.97 | 32.95 |
| Killbuck | 5.75 | 1.60 | 4.95 | 2.25 | 5.55 | 6.00 | 2.20 | 1.75 | 0.70 | 2.60 | 3.85 | 3.02 | 40.22 |
| Kings mills | 6.09 | 2.04 | 3.79 | 2.51 | 5.07 | 5.05 | 2.40 | 5.02 | 2.34 | 1.90 | 1.84 | 3.48 | 41.53 |
| Kingsville | ..... | 2.10 | ..... | 2.67 | 3.76 | 4.02 | 1.05 | 2.96 | 4.97 | 3.20 | ..... | ..... | ..... |
| Lakeview | 5.08 | 1.20 | 4.51 | 1.75 | 3.43 | 5.16 | 1.06 | 0.81 | ..... | 1.26 | 1.86 | 2.14 | ..... |
| Lancaster | 7.04 | 2.99 | 4.93 | 2.26 | 4.56 | 4.33 | 1.23 | 4.39 | 2.18 | 2.62 | 2.08 | 3.70 | 42.31 |
| Lima | 5.20 | 0.84 | 3.97 | 3.01 | 3.44 | 4.35 | 0.85 | 2.57 | 2.45 | 2.36 | 1.75 | 3.21 | 34.00 |
| Lima (St. Rose School) | ..... | ..... | 4.57 | 3.54 | 4.04 | 4.94 | 1.28 | 1.52 | 3.12 | 2.23 | ..... | 2.10 | ..... |
| Loudonville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.90 | ..... |
| McArthur | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.00 | 1.16 | 4.16 | ..... |
| McConnelsville | 4.76 | 3.46 | 4.56 | 2.22 | 5.51 | 5.67 | 2.08 | 1.83 | 1.66 | 2.51 | 2.33 | 3.82 | 40.41 |
| Mansfield | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.80 | ..... |
| Marietta (No. 1) | 5.42 | 3.53 | 5.23 | 2.15 | 4.85 | 3.93 | 3.02 | 4.33 | 2.12 | 2.79 | 1.93 | 3.94 | 43.24 |
| Marietta (No. 2) | 4.96 | 4.09 | 5.39 | 2.27 | 4.55 | 3.87 | 3.31 | 4.17 | 1.71 | 2.78 | 1.90 | 3.89 | 42.89 |
| Marietta (Experiment Farm) | 3.24 | 2.15 | 2.76 | 1.80 | 5.55 | 4.40 | 2.12 | 4.08 | 2.23 | 2.74 | 1.95 | 3.53 | 36.57 |
| Marion | 5.15 | 1.26 | 5.51 | 2.48 | 3.53 | 5.34 | 1.55 | 2.78 | 2.83 | 1.63 | 2.20 | 2.68 | 36.94 |
| Medina | 3.25 | 1.20 | 3.55 | 2.06 | 2.96 | 5.21 | 1.55 | 2.42 | 4.82 | 2.24 | 2.20 | 1.98 | 33.44 |
| Milford | ..... | ..... | ..... | 2.40 | 4.18 | 5.17 | 1.36 | 3.89 | 3.10 | 2.02 | 2.03 | 3.67 | ..... |
| Milfordton | 2.82 | 0.94 | 3.85 | 1.41 | 3.83 | 5.04 | 1.61 | 2.32 | 0.33 | 2.21 | 1.94 | 2.16 | 28.96 |
| Millersburg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.71 | ..... |
| Milligan | 6.21 | 2.70 | 4.34 | 1.97 | 4.70 | 4.61 | 0.75 | 3.98 | 2.52 | 2.36 | 1.66 | 3.18 | 38.98 |
| Millport | 3.16 | 2.04 | 2.70 | 3.53 | 2.49 | 5.86 | 3.00 | 1.81 | 1.71 | 2.42 | 2.37 | 1.77 | 32.86 |
| Milton Dam | 2.19 | 1.22 | 2.85 | ..... | 2.85 | 4.65 | 3.40 | 1.51 | 2.06 | 3.52 | 2.08 | 2.42 | ..... |
| Montpelier | 5.42 | 0.69 | 4.67 | 1.20 | 3.63 | 6.49 | 0.71 | 3.50 | 1.94 | 1.97 | 2.55 | 3.92 | 36.69 |
| Mount Healthy | 5.91 | 1.76 | 2.57 | 2.68 | 4.01 | 5.13 | 1.45 | 3.29 | 2.03 | 1.05 | 1.78 | 2.73 | 34.39 |
| Napoleon | 5.65 | 0.90 | 4.15 | 1.58 | 4.40 | 6.52 | 0.34 | 1.76 | 1.95 | 2.22 | 2.65 | 3.82 | 35.94 |
| New Bremen | 5.79 | 1.11 | 3.62 | 3.02 | 4.16 | 4.59 | 0.36 | 1.84 | 4.18 | 1.26 | 1.29 | 2.31 | 33.53 |
| New Carlisle | ..... | 1.10 | 4.16 | 2.50 | 4.98 | 5.80 | 1.89 | 2.52 | 3.05 | 1.55 | 2.58 | 2.54 | ..... |
| North Bass Island | ..... | ..... | ..... | ..... | 5.67 | 4.58 | 0.63 | 2.08 | 2.08 | 1.61 | ..... | ..... | ..... |
| North Royalton | 4.51 | 2.03 | 3.53 | 2.17 | 3.13 | 4.33 | 2.40 | 1.77 | 4.78 | 2.20 | 1.61 | 3.00 | 35.46 |
| Norwalk | 3.87 | 0.90 | 3.24 | 1.57 | 3.94 | 4.53 | 2.97 | 2.35 | 1.91 | 1.48 | 2.42 | 2.07 | 31.25 |
| Oak Harbor | ..... | ..... | 5.48 | 1.65 | 4.25 | 4.26 | 2.74 | ..... | 2.19 | 1.30 | 1.88 | 1.68 | ..... |
| Oberlin | 3.82 | 0.98 | 3.04 | 1.96 | 3.52 | 5.52 | 1.64 | ..... | 4.63 | 2.16 | 2.08 | 1.89 | ..... |
| Ohio State University | 5.49 | 1.65 | 5.40 | 2.44 | 4.72 | 4.27 | 1.44 | 1.32 | 2.41 | 1.85 | 1.70 | 3.04 | 35.73 |
| Ottawa | 5.46 | 0.52 | 3.62 | 2.79 | 4.15 | 4.61 | 3.95 | 3.39 | 2.13 | 1.57 | 2.39 | 2.80 | 37.38 |
| Oxford | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.32 | 1.82 | ..... | ..... | ..... |
| Pataskala | 6.52 | 1.86 | 4.98 | 2.48 | 4.32 | 6.06 | 1.90 | 3.72 | 1.86 | 2.23 | 2.45 | 3.87 | 42.25 |
| Paulding | 4.63 | 0.68 | 2.51 | 2.02 | 5.98 | 6.01 | 1.02 | 1.28 | 1.78 | 1.29 | 2.07 | 1.87 | 31.14 |
| Peebles | 7.24 | 3.19 | 5.27 | 2.23 | 3.54 | 5.44 | 0.73 | 5.40 | 2.31 | 2.72 | 1.62 | 3.94 | 43.63 |
| Philo (No. 1) | 2.97 | 2.34 | 3.84 | 1.50 | 4.62 | 4.09 | 1.19 | 3.90 | 2.11 | 2.40 | 1.53 | 2.82 | 33.31 |
| Philo (No. 2) | 5.25 | 2.35 | 4.12 | 2.09 | 5.69 | 4.40 | 1.80 | 3.45 | 2.58 | 2.37 | 1.84 | 3.84 | 39.78 |
| Piqua | 6.97 | 1.41 | 3.79 | 2.23 | 5.01 | 3.75 | 1.24 | 1.65 | 5.44 | 1.76 | 1.28 | 2.23 | 36.76 |
| Plattsburg | 5.34 | 1.36 | 4.12 | 2.07 | 5.25 | 6.61 | 1.69 | 2.65 | 3.69 | 1.83 | 2.06 | 3.63 | 40.30 |
| Portsmouth (No. 1) | 7.60 | 2.54 | 5.81 | 2.56 | 3.58 | 2.92 | 3.78 | 6.49 | 2.57 | 3.17 | 1.27 | 3.16 | 45.45 |
| Portsmouth (No. 2) | 7.23 | 3.57 | 5.95 | 1.90 | 3.70 | 2.95 | 4.59 | 6.37 | 2.65 | 2.87 | 1.14 | 3.48 | 46.40 |
| Prospect | 3.56 | 1.00 | 6.30 | 2.30 | 3.88 | 5.20 | 0.75 | 2.25 | 1.45 | 1.79 | 2.35 | 2.80 | 33.63 |
| Put-in-Bay | ..... | ..... | ..... | ..... | 4.50 | 3.85 | 0.22 | 2.21 | 2.29 | 1.91 | 1.95 | 2.15 | ..... |
| Roxabell | 5.81 | 1.92 | 3.54 | 2.13 | 4.14 | ..... | 2.50 | 4.53 | 0.68 | 2.29 | 2.13 | ..... | ..... |
| Saint Paris | 6.67 | 1.22 | 5.19 | 2.60 | 6.21 | 4.93 | 1.92 | 3.54 | 2.76 | 1.53 | 2.20 | 3.06 | 41.83 |
| Sandusky | 3.62 | 1.07 | 3.09 | 1.37 | 3.60 | 4.36 | 0.26 | 2.28 | 2.03 | 1.24 | 2.19 | 2.09 | 27.20 |
| Sidney | 7.15 | 1.30 | 3.91 | 2.38 | 5.62 | 4.51 | 1.16 | 2.47 | 4.60 | 1.36 | 1.63 | 2.65 | 38.74 |
| Somerset | 4.55 | 1.59 | 4.10 | 2.29 | 4.93 | 5.44 | 0.65 | 3.26 | 1.45 | 2.59 | 1.80 | 2.35 | 35.00 |
| Springfield (No. 1) | 4.76 | 1.01 | 4.20 | 2.22 | 5.26 | 7.06 | 0.97 | 2.62 | 2.98 | 1.48 | 2.00 | 2.56 | 37.12 |
| Springfield (No. 2) | 5.14 | 1.05 | 4.15 | 2.48 | 4.70 | 5.92 | 4.49 | 1.27 | 2.23 | ..... | ..... | 2.73 | ..... |
| Summerfield | 5.63 | 3.42 | 5.16 | 2.25 | 4.57 | 5.56 | 2.46 | 4.18 | 2.92 | 2.78 | 2.77 | 3.52 | 45.22 |
| Syracuse | 8.42 | 4.18 | 5.98 | 2.90 | 4.97 | 4.53 | 3.30 | 6.24 | 4.22 | 3.42 | 2.24 | 3.53 | 53.93 |
| Tadmor | 6.85 | 0.87 | 4.26 | 2.19 | 4.21 | 6.47 | 0.44 | 2.62 | 3.21 | 1.07 | 1.06 | 1.98 | 35.23 |
| Thurman | 7.52 | 4.48 | 6.05 | 1.33 | 5.96 | 6.18 | 1.55 | 4.75 | 3.80 | 1.67 | 1.34 | 4.02 | 48.65 |
| Tiffin | 5.15 | 1.11 | 4.41 | 2.27 | 4.23 | 4.47 | 1.88 | 1.76 | 2.36 | 1.54 | 2.87 | 2.45 | 34.50 |
| Toboso | 4.21 | 1.81 | 5.52 | 2.03 | 3.81 | 4.68 | 1.97 | 5.25 | 0.81 | 2.41 | 2.64 | 2.73 | 37.87 |
| Toledo | 4.53 | 0.62 | 4.41 | 1.30 | 3.85 | 4.42 | 0.35 | 2.23 | 2.16 | 2.46 | 1.79 | 2.42 | 30.54 |
| Upper Sandusky | 5.75 | 0.90 | 5.26 | 3.15 | 6.09 | 5.18 | 1.38 | 3.41 | 2.18 | 1.71 | 4.10 | 3.48 | 43.19 |
| Urbana | 5.70 | 1.14 | 5.39 | 3.12 | 6.67 | 5.59 | 2.20 | 4.54 | 4.12 | 1.49 | 2.66 | 2.42 | 45.04 |
| Valley Crossing | 5.03 | 1.32 | 4.43 | 2.13 | 5.68 | 4.88 | 1.26 | 3.47 | 2.04 | 2.41 | 1.93 | 4.05 | 38.63 |
| Versailles | 5.60 | 1.38 | 2.61 | 2.75 | 3.26 | 5.23 | 0.81 | 3.15 | 2.53 | 2.11 | 1.73 | 3.03 | 34.19 |
| Vickery | 4.04 | 0.82 | 4.05 | 1.83 | 5.48 | 5.03 | 4.19 | 2.37 | 1.20 | 1.60 | 2.55 | 1.84 | 35.00 |
| Walhonding | 5.31 | 0.80 | 4.62 | 1.61 | 3.78 | ..... | 1.75 | 3.29 | 0.80 | 1.71 | 2.79 | 2.24 | ..... |
| Wapakoneta | 6.47 | 1.28 | 4.53 | 3.42 | 3.65 | 6.32 | 0.62 | 1.44 | 2.65 | 1.75 | 2.07 | 2.67 | 36.87 |
| Warren (No. 1) | 3.19 | 1.97 | 3.77 | 3.29 | 2.55 | 5.52 | 2.44 | 1.93 | 3.94 | 2.60 | 2.25 | 2.78 | 36.23 |
| Warren (No. 2) | 2.73 | 1.87 | 5.09 | 3.11 | 2.49 | ..... | 2.24 | 2.93 | 5.14 | 1.72 | 2.21 | 2.32 | ..... |
| Washington C. H | 5.50 | 2.02 | 4.60 | 2.72 | 5.11 | 4.94 | 0.62 | 2.66 | 2.58 | 2.36 | 1.52 | 3.61 | 38.24 |
| Wauseon | 5.60 | 0.58 | 3.99 | 1.53 | 3.44 | 4.99 | 0.96 | 2.40 | 1.43 | 2.09 | 2.26 | 3.27 | 32.54 |
| Waverly | 6.44 | 3.30 | 5.03 | 2.03 | 4.28 | 4.83 | 2.89 | 3.38 | 1.05 | 2.28 | 1.05 | 4.04 | 40.60 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Ohio*—Continued. | | | | | | | | | | | | | |
| Waynesville | 6.30 | 1.40 | 3.44 | 1.83 | 6.09 | 3.90 | 1.34 | 3.83 | 3.59 | 1.87 | 1.53 | 2.97 | 38.09 |
| West Manchester | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.19 | 1.59 | 2.19 | 2.79 | ..... |
| West Milton | 6.75 | 0.75 | 3.50 | 1.90 | 3.97 | 4.75 | 2.50 | 2.54 | 3.00 | 1.36 | 1.54 | 1.76 | 34.32 |
| Wickliffe | 3.32 | 1.11 | 3.34 | 2.50 | 3.02 | 1.68 | 3.80 | 1.96 | 3.46 | 2.97 | ..... | 2.29 | ..... |
| Wilmington | 5.62 | 1.27 | 3.13 | 2.61 | 5.77 | 4.43 | 1.49 | 3.63 | 2.68 | 2.53 | 1.59 | 3.62 | 38.37 |
| Wooster (No. 1) | 4.98 | 1.73 | 4.72 | 2.92 | 2.95 | 5.05 | 2.21 | 2.26 | 1.07 | 1.98 | 2.63 | 2.43 | 34.93 |
| Woosetr (No. 2) | 3.71 | ..... | ..... | 1.91 | 3.21 | 5.44 | 1.62 | 1.89 | 1.05 | 2.13 | 2.31 | 1.80 | ..... |
| Xenia | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.26 | 2.45 | ..... |
| Youngstown | 2.46 | 1.53 | 3.47 | 2.64 | 2.76 | 3.25 | 2.74 | 1.27 | 2.05 | 2.21 | 1.64 | 1.88 | 27.90 |
| Zanesville | 4.97 | 2.12 | 4.90 | 1.98 | 5.99 | 4.22 | 1.11 | 4.03 | 1.06 | 2.28 | 2.03 | 2.83 | 37.52 |
| *Oklahoma.* | | | | | | | | | | | | | |
| Ada | 11.64 | 0.18 | 4.34 | 6.01 | 4.41 | 5.61 | 0.64 | 1.26 | 4.51 | 3.55 | 3.70 | 0.58 | 46.43 |
| Altus | 1.44 | T. | 1.60 | 3.67 | 1.59 | 3.74 | 1.22 | 0.86 | 3.27 | 4.20 | 1.99 | 0.13 | 23.71 |
| Alva | 0.93 | 0.53 | 0.12 | 1.83 | 1.31 | 4.84 | 1.06 | 2.07 | 5.88 | 1.69 | 0.95 | 0.79 | 22.00 |
| Apache | 4.14 | 0.01 | 0.75 | 3.97 | 2.29 | 2.36 | 2.56 | 0.82 | 4.47 | 1.78 | 2.65 | 0.25 | 26.05 |
| Arapaho | 0.99 | T. | 0.94 | 2.19 | 0.65 | 6.85 | 3.10 | 0.46 | 1.54 | 3.37 | 2.09 | 0.64 | 22.82 |
| Ardmore | 11.50 | 0.00 | 3.61 | 5.40 | 3.51 | 8.28 | 0.67 | 0.34 | 4.46 | 3.65 | 4.05 | 0.01 | 45.48 |
| Bacone | 8.55 | 1.25 | 3.40 | 5.86 | 3.81 | 2.78 | T. | 0.47 | 1.65 | 1.99 | 3.07 | 0.62 | 33.45 |
| Bartlesville | 7.03 | 0.27 | 3.07 | 2.48 | 3.00 | 9.28 | 0.15 | 2.12 | 0.67 | 2.30 | 2.62 | 0.69 | 33.68 |
| Beaver | 0.35 | 0.09 | 0.10 | 2.17 | 1.50 | 7.04 | 0.10 | 1.19 | 1.97 | 0.16 | T. | 0.80 | 15.47 |
| Billings | 2.07 | 0.14 | 1.13 | 2.29 | 1.47 | 9.65 | 0.71 | 1.54 | 1.34 | 3.19 | 3.01 | 1.13 | 27.67 |
| Blackwell | ..... | ..... | ..... | 2.21 | 0.91 | 10.14 | 0.04 | 1.89 | 4.22 | 2.45 | ..... | ..... | ..... |
| Bristow | 6.09 | 1.10 | 2.31 | 4.07 | 3.65 | 10.40 | 0.27 | 0.81 | 0.72 | 2.25 | 3.31 | 0.61 | 35.59 |
| Buffalo | 0.75 | T. | 0.10 | 2.32 | 2.81 | 5.83 | 0.00 | 0.92 | 1.02 | 0.68 | 0.45 | 0.65 | 15.53 |
| Calvin | 7.77 | 0.52 | 2.52 | 5.56 | 4.67 | 7.23 | 0.46 | 0.72 | 2.20 | 2.35 | 4.44 | 0.40 | 38.84 |
| Camargo | ..... | ..... | 0.93 | 1.28 | 0.19 | 7.41 | 0.11 | 0.57 | 3.14 | 3.13 | ..... | ..... | ..... |
| Canton | ..... | 0.00 | 0.13 | 3.00 | 0.04 | 5.67 | 1.20 | 0.00 | 0.90 | 2.47 | ..... | ..... | ..... |
| Carnegie | 1.98 | 0.01 | 0.28 | 4.49 | 1.28 | 4.96 | 2.40 | T. | 4.68 | 3.01 | 1.89 | 0.41 | 25.39 |
| Chandler | 4.66 | 0.61 | 3.35 | 3.93 | 2.40 | 12.00 | 0.30 | 0.85 | 1.51 | 1.64 | 2.26 | 1.00 | 34.51 |
| Chattanooga | 3.22 | 0.00 | 0.76 | 3.55 | 1.26 | 3.70 | 1.16 | 1.00 | 2.55 | 1.47 | 1.13 | 0.10 | 19.90 |
| Cherokee | 0.82 | T. | 0.47 | 1.62 | 1.00 | 8.59 | 1.52 | 1.53 | 2.85 | 1.34 | 2.00 | 0.45 | 22.19 |
| Chickasha | 3.35 | T. | 1.44 | 3.75 | 2.83 | 6.29 | 1.47 | 0.18 | 5.11 | 1.89 | 1.71 | 0.32 | 28.34 |
| Claremore | 7.59 | 0.82 | 2.57 | 3.73 | 2.21 | 5.90 | 0.42 | 1.23 | 0.77 | 1.62 | 3.10 | 1.52 | 31.48 |
| Cleveland | 5.32 | 0.20 | 3.75 | 4.02 | 1.34 | 7.80 | 0.08 | 1.91 | 4.77 | 2.18 | 2.73 | 0.82 | 34.92 |
| Cloud Chief | 1.36 | 0.00 | 1.09 | 2.86 | 0.84 | 8.52 | 4.85 | 0.35 | 2.55 | 3.20 | 2.42 | 0.23 | 28.27 |
| Durant | 8.13 | 0.51 | 0.92 | 5.44 | 4.90 | 8.40 | 0.40 | 0.82 | 1.95 | 2.38 | 2.36 | 0.52 | 36.73 |
| Eldorado | 1.00 | 0.00 | 1.15 | 0.46 | 0.90 | ..... | T. | 1.11 | 1.26 | ..... | 1.07 | ..... | ..... |
| El Reno | 1.59 | 0.05 | 0.81 | 2.65 | 0.13 | 7.73 | 0.02 | 0.00 | 3.70 | ..... | ..... | ..... | ..... |
| Enid | 1.39 | 0.09 | 0.26 | 3.93 | 0.76 | 8.16 | 0.60 | 0.62 | 2.06 | 2.94 | 2.52 | 0.90 | 24.23 |
| Erick | 1.15 | T. | 0.66 | 1.90 | 1.66 | 5.50 | 0.13 | 0.56 | 1.97 | 5.12 | 0.81 | 0.35 | 19.81 |
| Eufaula | 11.21 | 0.73 | 1.79 | 6.59 | 3.97 | 5.92 | 0.16 | 0.60 | 0.62 | 1.48 | 3.73 | 1.08 | 37.88 |
| Fairland | 7.29 | 0.49 | 2.60 | 4.99 | 5.81 | 4.89 | 0.05 | 1.21 | 3.56 | 1.80 | 2.72 | 0.97 | 36.38 |
| Fort Gibson | 13.08 | 0.75 | 3.74 | 6.32 | 4.12 | 3.57 | 0.05 | 0.37 | 1.95 | 1.28 | 3.07 | 1.26 | 39.56 |
| Frederick | 1.66 | T. | 1.05 | 4.73 | 1.29 | 2.28 | 1.74 | 1.49 | 3.36 | 2.30 | 1.39 | 0.07 | 21.36 |
| Geary | 1.83 | 0.01 | 0.64 | 2.37 | 0.31 | 8.81 | 1.03 | 0.18 | 3.24 | 2.50 | 2.50 | 0.52 | 23.94 |
| Goodwell | 0.35 | 0.00 | 0.15 | 2.20 | 0.20 | 3.53 | 0.33 | 2.14 | 1.95 | 0.12 | 0.16 | 0.53 | 11.66 |
| Guthrie | 4.35 | 0.08 | ..... | 4.06 | 0.16 | 7.60 | 0.80 | 0.20 | 1.55 | 2.10 | 3.20 | 2.23 | ..... |
| Hammon | 0.89 | 0.05 | 0.11 | 2.65 | 0.59 | 6.01 | 0.24 | 0.07 | 1.77 | 3.32 | 1.38 | 0.36 | 17.44 |
| Healdton | 8.07 | 0.07 | 3.70 | 9.66 | 2.83 | 6.90 | 0.57 | 1.82 | 1.14 | 2.91 | 2.69 | 0.08 | 40.44 |
| Heavener | 4.07 | 0.48 | 1.00 | 3.11 | 5.43 | 5.02 | 0.75 | 2.24 | 4.66 | 2.85 | 4.30 | ..... | ..... |
| Hennessey | 1.55 | 0.10 | 0.65 | 2.10 | ..... | ..... | T. | 0.10 | 1.33 | 3.10 | ..... | 0.80 | ..... |
| Hobart | 1.95 | T. | 1.32 | 2.79 | 1.39 | 6.28 | 0.32 | 0.41 | 1.71 | 5.18 | 1.92 | 0.28 | 23.55 |
| Holdenville | 11.46 | 0.59 | 3.30 | 7.64 | 3.24 | 9.47 | 0.53 | 0.75 | 1.77 | 4.11 | 4.93 | 0.93 | 48.72 |
| Hooker | 0.31 | T. | T. | 1.96 | 0.04 | 3.14 | 0.29 | 1.82 | 6.50 | 0.54 | 0.03 | 0.51 | 15.14 |
| Hugo | 5.51 | 0.67 | 0.65 | 4.38 | 1.21 | 4.25 | 1.18 | 2.26 | 2.31 | 3.04 | 1.92 | 1.12 | 28.50 |
| Hurley | 1.70 | T. | T. | 2.84 | 1.25 | 5.60 | 1.00 | 5.85 | 0.82 | 0.45 | 0.50 | 1.00 | 21.01 |
| Jefferson | 1.50 | 0.06 | 0.53 | 1.56 | 0.66 | 6.52 | ..... | 2.42 | 2.02 | 2.49 | 2.78 | ..... | ..... |
| Kenton | 0.90 | T. | 0.29 | 1.57 | 0.38 | 1.33 | 0.49 | 4.37 | 0.21 | 1.27 | 0.29 | 0.89 | 11.99 |
| Kingfisher | 1.60 | T. | 0.40 | 3.19 | 0.57 | 8.24 | 0.56 | 0.48 | 2.43 | 3.04 | 2.68 | 0.80 | 23.99 |
| Lawton | 2.66 | 0.02 | 0.16 | 3.99 | 2.45 | 4.61 | 2.99 | 0.02 | 1.86 | 1.46 | 1.19 | 0.11 | 21.52 |
| Lawtonka Lake | 2.66 | T. | 1.11 | 4.39 | 1.80 | 3.38 | 1.87 | 0.87 | 6.16 | 1.45 | 1.78 | T. | 25.47 |
| McAlester | 13.07 | 0.29 | 1.91 | 6.84 | 6.61 | 7.03 | 0.59 | 3.00 | 1.80 | 1.99 | 6.93 | 1.60 | 51.66 |
| Mangum | 1.66 | T. | 0.63 | 3.67 | 1.31 | 5.53 | T. | 0.09 | 3.37 | 3.80 | 1.05 | 0.20 | 21.31 |
| Marlow | 6.59 | T. | 1.03 | 5.62 | 2.61 | 3.57 | 0.57 | 0.33 | 2.94 | 1.35 | 1.72 | 1.06 | 27.39 |
| Meeker | 3.44 | 0.40 | 1.92 | 5.39 | 2.64 | 9.50 | 0.10 | 1.74 | 1.94 | 0.85 | 2.30 | 0.79 | 31.01 |
| Muskogee | 10.09 | 0.57 | 3.99 | 5.99 | 3.54 | 3.17 | 0.85 | 1.81 | 1.56 | 2.44 | 3.34 | 0.87 | 38.22 |
| Mutual | 1.40 | 0.00 | 1.00 | 1.42 | 0.32 | 6.95 | 0.00 | 0.62 | 2.11 | 2.41 | 1.28 | 0.32 | 17.83 |
| Newkirk | 2.65 | 0.50 | 1.05 | 2.41 | 0.72 | 15.07 | T. | 1.92 | 2.64 | 4.05 | 2.79 | 0.65 | 34.45 |
| Norman | 3.31 | 0.36 | 4.38 | 4.03 | 2.69 | 3.09 | 3.29 | 1.25 | 1.98 | 1.04 | 3.24 | 0.59 | 29.25 |
| North Muskogee | 10.81 | 0.71 | 4.96 | 5.39 | 4.46 | 4.11 | 0.29 | 1.77 | 1.80 | 2.53 | 2.66 | 1.08 | 40.57 |
| Oakwood | 1.14 | 0.01 | 0.70 | 1.86 | 0.15 | 9.44 | 0.44 | 0.80 | 1.92 | 2.69 | 2.92 | 0.93 | 23.00 |
| Okeene | 1.34 | 0.09 | 0.55 | 1.88 | 0.68 | 8.16 | 0.89 | 0.35 | 1.25 | 2.79 | 3.19 | 0.74 | 21.91 |
| Okemah | 9.17 | 0.42 | 3.11 | 7.40 | 3.88 | 9.86 | 0.90 | 1.28 | 1.91 | 1.90 | 3.40 | 0.76 | 43.99 |
| Oklahoma | 4.28 | 0.39 | 1.66 | 3.15 | 0.59 | 6.16 | 2.87 | 0.68 | 2.54 | 1.73 | 2.35 | 1.05 | 27.45 |
| Okmulgee | 10.36 | 0.50 | 3.45 | 6.61 | 3.32 | 7.18 | 0.97 | 1.24 | 0.32 | 3.24 | 3.51 | 0.83 | 41.53 |
| Pauls Valley | 6.42 | 0.09 | 1.72 | 7.05 | 3.24 | 5.22 | 1.28 | 0.16 | 5.71 | 1.55 | 2.56 | 0.27 | 35.27 |
| Pawhuska | 4.47 | T. | 4.32 | 2.13 | 2.15 | 8.00 | 0.18 | 3.64 | 2.61 | 2.69 | 3.03 | 0.91 | 34.13 |
| Perry | 2.85 | 0.38 | 0.95 | 2.96 | 0.58 | 9.79 | 0.82 | 0.43 | 1.32 | 1.69 | 2.67 | 1.10 | 25.54 |
| Rankin | ..... | T. | 0.77 | 1.92 | 1.07 | 8.15 | 0.07 | 0.47 | 3.51 | 4.61 | 1.08 | 0.70 | ..... |
| Ravia | 9.70 | 0.00 | 1.42 | 5.14 | 3.87 | 8.10 | 0.07 | 2.33 | 2.29 | 2.79 | 2.89 | 0.00 | 38.60 |
| Reno Junction | ..... | ..... | 1.61 | 3.83 | T. | 8.58 | 0.44 | 0.18 | 3.97 | 1.89 | ..... | ..... | ..... |
| Sac and Fox Agency | 5.19 | 0.17 | 1.67 | 4.51 | 3.41 | 11.82 | 2.98 | 1.98 | 1.25 | 1.05 | 2.60 | 1.30 | 38.13 |
| Sallisaw | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.83 | 1.74 | ..... |
| Shawnee | 5.02 | 0.39 | 2.14 | 5.22 | 2.25 | 7.09 | 0.19 | 0.50 | 2.08 | 0.90 | 2.86 | 0.76 | 29.35 |
| Snyder | 1.76 | 0.01 | 0.97 | ..... | 1.28 | 2.91 | 1.60 | 1.23 | 2.79 | 3.32 | 1.83 | 0.14 | ..... |
| Stillwater | 3.18 | 0.29 | 1.70 | 3.77 | 0.94 | 9.49 | 0.18 | 0.72 | 1.81 | 2.11 | 2.89 | 0.93 | 28.01 |
| Tahlequah | 12.93 | 0.37 | 2.61 | 6.66 | 3.36 | 10.65 | 0.60 | 0.00 | 2.23 | 3.69 | ..... | ..... | ..... |
| Tamaha | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.12 | 1.00 | 1.43 | 4.51 | 1.03 | ..... |
| Tulsa | 6.74 | 0.84 | 2.54 | 4.62 | 2.90 | 4.88 | 0.07 | 0.73 | 1.40 | 1.75 | 3.60 | 1.43 | 30.90 |
| Union City | ..... | ..... | 0.99 | 2.18 | 0.85 | 7.66 | 0.97 | 0.20 | 2.19 | 1.55 | ..... | ..... | ..... |
| Vinita | 8.80 | 0.29 | 4.31 | 4.45 | 4.55 | 6.37 | 0.80 | 1.60 | 2.80 | 2.36 | 2.62 | 0.91 | 39.86 |
| Wagoner | 12.78 | 1.10 | 4.42 | 5.07 | 4.78 | 3.54 | 0.21 | 2.68 | 1.49 | 3.54 | 3.01 | 0.96 | 43.60 |
| Walter | 2.76 | 0.08 | 0.73 | 5.30 | 1.97 | 2.98 | 1.61 | 0.96 | 0.90 | 1.43 | 0.99 | 0.17 | 19.89 |
| Waukomis | 1.71 | 0.10 | 0.69 | 2.18 | 0.85 | 8.12 | 0.28 | 0.53 | 1.61 | 2.79 | 2.98 | 1.02 | 22.17 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Oklahoma*—Continued. | | | | | | | | | | | | | |
| Waurika | 2.79 | T. | 1.76 | 5.86 | 1.74 | 4.55 | 1.70 | 3.55 | 0.41 | 1.59 | 1.94 | 0.09 | 25.98 |
| Weatherford | 1.38 | 0.15 | 0.51 | 3.19 | 0.93 | 9.44 | 0.21 | 0.36 | 2.37 | 3.92 | 3.15 | 0.73 | 26.34 |
| Webbers Falls | 12.42 | 1.34 | 1.80 | 6.53 | 4.20 | 4.90 | T. | 2.06 | 1.88 | 1.16 | 3.45 | 0.55 | 40.29 |
| Whiteagle | 3.24 | T. | 1.30 | 2.98 | 0.40 | 5.81 | 0.15 | 1.50 | 2.65 | 2.95 | 2.58 | ..... | ..... |
| Wichita National Forest | ..... | 0.00 | ..... | 4.86 | ..... | 1.60 | 0.10 | 0.75 | 4.40 | 3.05 | ..... | ..... | ..... |
| Woodward | 1.29 | 0.03 | 0.92 | 2.01 | 1.74 | 11.64 | T. | 1.15 | 2.22 | 1.87 | 0.95 | 0.38 | 24.20 |
| Wyandotte | 6.55 | 0.30 | 2.60 | 5.12 | 5.95 | 5.20 | 0.00 | 1.18 | 3.46 | 1.48 | 2.42 | 2.96 | 37.22 |
| *Oregon.* | | | | | | | | | | | | | |
| Agency Plains | ..... | ..... | 1.09 | 0.62 | 1.08 | 1.82 | 1.69 | 0.24 | 0.16 | 0.12 | 0.87 | 0.23 | ..... |
| Agness | 17.74 | 6.48 | ..... | 5.04 | 0.70 | 2.44 | 1.82 | 0.12 | 1.15 | 1.30 | 9.64 | 9.43 | ..... |
| Albany | 6.03 | 6.84 | 10.44 | 2.77 | 2.57 | 1.02 | 3.31 | 0.36 | 0.72 | 1.25 | 7.45 | 4.08 | 47.74 |
| Aloha Ranch | 2.80 | 2.27 | 1.72 | 2.02 | 0.69 | 0.45 | 1.27 | 0.72 | 0.14 | 0.16 | 2.47 | 2.86 | 17.57 |
| Ana River | 1.82 | 0.28 | 0.39 | 0.53 | 0.97 | 0.32 | 0.37 | 0.15 | 0.02 | 0.15 | ..... | 1.25 | ..... |
| Andrews | 2.25 | 0.80 | 0.46 | 0.82 | 1.39 | 0.24 | 0.43 | 0.15 | 0.03 | 1.10 | 0.25 | 0.63 | 8.55 |
| Ashland | 3.11 | 1.73 | 2.11 | 2.12 | 1.46 | 0.69 | 1.24 | 0.75 | 0.50 | 0.01 | 1.73 | 2.02 | 17.47 |
| Astoria | 10.03 | 20.20 | 17.23 | 4.80 | 3.63 | 1.98 | 7.58 | 0.45 | 2.23 | 2.31 | 11.13 | 10.93 | 92.50 |
| Austin | 3.53 | ..... | ..... | 1.43 | 2.14 | 0.97 | 0.84 | 0.38 | 0.58 | 0.38 | 0.57 | 4.58 | ..... |
| Baker | 0.85 | 1.91 | 0.89 | 0.85 | 1.73 | 1.43 | 1.21 | 1.08 | 0.28 | 0.21 | 0.35 | 1.12 | 11.91 |
| Bear Creek | 2.50 | 1.45 | 0.67 | 1.02 | 1.67 | 2.67 | 1.08 | 0.09 | 0.35 | 0.14 | 0.61 | 1.14 | 13.39 |
| Bear Valley | 6.25 | 2.74 | 2.37 | 1.10 | 2.27 | 1.92 | 0.50 | 0.53 | 0.24 | 0.26 | 1.26 | 2.76 | 22.20 |
| Beckley | 1.04 | 1.31 | 0.16 | 0.26 | 2.19 | 0.75 | 1.05 | 0.30 | 0.00 | 1.40 | 0.25 | ..... | ..... |
| Beech Creek | 4.16 | 3.09 | 2.88 | 1.53 | 3.87 | 1.56 | 1.13 | 0.57 | 0.57 | 0.57 | 1.41 | 3.66 | 25.00 |
| Bellfountain | 9.28 | 9.26 | 13.66 | 2.90 | 3.66 | 1.66 | 2.14 | 0.21 | 1.03 | 1.35 | 9.15 | 8.26 | 62.56 |
| Bend | ..... | 1.05 | 0.52 | 0.77 | 1.01 | 2.80 | 1.38 | 0.44 | 0.37 | T. | 0.57 | 1.68 | ..... |
| Big Eddy | ..... | ..... | ..... | 0.50 | 1.58 | 1.36 | 0.89 | 0.07 | 0.15 | 0.27 | 1.03 | 1.46 | ..... |
| Blue Mountain Sawmill | 4.73 | 5.22 | 8.07 | 3.24 | 4.04 | 2.60 | 1.02 | 0.45 | 0.63 | 1.45 | 5.80 | 8.75 | 46.00 |
| Brookings | 14.83 | 10.45 | 13.11 | 6.18 | 3.85 | 4.63 | 5.24 | 0.03 | 1.68 | 0.98 | 10.25 | 10.43 | 81.66 |
| Burns | ..... | ..... | 0.38 | 0.44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Butte | 0.57 | 0.53 | 0.66 | 0.71 | 1.97 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Butte Falls | 4.84 | 2.72 | 3.75 | 3.28 | 2.69 | 1.16 | 1.96 | 1.61 | 0.38 | 0.68 | 4.46 | 4.33 | 31.86 |
| Cascade Locks | 6.97 | 10.53 | 15.56 | 6.01 | 6.42 | 2.69 | 3.76 | 6.53 | 1.51 | 2.60 | 12.15 | 9.37 | 78.10 |
| Cascadia | 6.83 | 8.75 | 13.00 | 5.85 | 6.69 | 4.12 | 4.06 | 0.82 | 2.08 | 2.73 | 10.36 | 7.72 | 73.01 |
| Cazadero | 3.58 | 9.66 | 13.20 | 4.88 | 4.51 | 2.87 | 3.56 | 0.73 | 1.61 | 2.51 | 8.89 | 5.04 | 61.04 |
| Centralpoint | 2.95 | 2.00 | 2.17 | 1.71 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Chiloquin | 5.19 | 2.07 | 2.27 | 1.43 | 0.38 | 0.50 | 1.64 | 0.56 | 0.19 | T. | 2.01 | 2.41 | 18.65 |
| Christmas Lake | 1.00 | 0.76 | 0.56 | 0.77 | 1.35 | 1.27 | 0.63 | 0.39 | 0.16 | 0.05 | 0.32 | 0.75 | 8.01 |
| Cliff | 1.56 | 0.36 | 0.40 | 0.92 | 1.47 | 1.33 | 0.39 | 0.36 | T. | ..... | ..... | ..... | ..... |
| Columbia Mine | 8.60 | 7.70 | 6.10 | 1.50 | 2.52 | 1.97 | 0.71 | 1.07 | 0.55 | 0.46 | 2.51 | 9.24 | 42.93 |
| Condon | 2.01 | 1.73 | 1.43 | 1.42 | 1.42 | 2.34 | 1.11 | 0.34 | 0.40 | 0.58 | 1.76 | 1.18 | 15.72 |
| Coquille River L. H. | 10.65 | 9.87 | 12.49 | 3.61 | 3.40 | 2.45 | 2.19 | 0.23 | 0.72 | 0.56 | 7.22 | 6.23 | 59.62 |
| Cornucopia | 10.24 | 6.54 | 6.22 | 2.12 | 2.13 | 2.25 | 1.56 | 0.65 | 0.49 | 1.11 | 4.49 | 6.30 | 44.10 |
| Corporation | 2.92 | 5.99 | 5.71 | 3.25 | 4.54 | 2.00 | 1.03 | 0.59 | 1.00 | 1.42 | 3.95 | 5.99 | 38.39 |
| Corvallis | 6.28 | 7.02 | 10.81 | 1.91 | 2.77 | 1.45 | 2.34 | 0.03 | 0.60 | 1.11 | 6.62 | 5.71 | 46.65 |
| Cottage Grove | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.74 | 1.15 | 1.37 | 7.43 | 6.59 | ..... |
| Crescent | 3.64 | 3.82 | 2.03 | 1.13 | 0.81 | 1.73 | 1.77 | 0.76 | 0.31 | 0.04 | 2.37 | 2.49 | 20.90 |
| Culver | 2.10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Dayville | 2.03 | 1.15 | 1.01 | 0.95 | 2.07 | 1.08 | 1.27 | 0.23 | 0.13 | 0.25 | 0.95 | 1.46 | 12.58 |
| Deadwood | ..... | 19.33 | 19.98 | 6.27 | 5.74 | 2.62 | 3.27 | 0.21 | 1.95 | 2.80 | 13.64 | 11.64 | ..... |
| Detroit | 10.99 | 9.72 | 13.64 | 5.76 | 6.18 | 4.04 | 2.73 | 0.98 | 2.68 | 2.59 | 12.64 | 9.35 | 81.30 |
| Doraville | 5.62 | 7.31 | 13.61 | 2.28 | 3.82 | 2.51 | 2.91 | 0.34 | 1.63 | 1.93 | 5.56 | 5.40 | 52.92 |
| Drain | 8.10 | 8.07 | 9.61 | 3.15 | 3.58 | 1.39 | 3.51 | 0.43 | 0.78 | 1.29 | 6.73 | 6.06 | 52.70 |
| Drewsey | 2.59 | 1.63 | 0.32 | 1.10 | 1.30 | 0.47 | 0.64 | 1.10 | 0.00 | 0.25 | 0.80 | 0.80 | 11.00 |
| Dufur | 2.82 | 3.67 | 2.67 | 0.63 | 0.91 | 2.31 | 1.59 | 0.10 | 0.56 | 0.27 | 1.26 | 1.74 | 18.53 |
| Echo | 1.07 | 2.71 | 2.58 | 1.38 | 0.62 | 1.63 | 0.76 | 0.06 | 0.03 | 0.40 | 1.47 | 1.91 | 15.52 |
| Eugene | 5.76 | 5.42 | 9.93 | 2.81 | 2.99 | 2.19 | 3.38 | 0.85 | 1.57 | 0.84 | 7.62 | 4.82 | 48.18 |
| Fir Glen | 12.95 | 7.96 | 9.70 | 3.52 | 3.43 | 0.85 | 1.78 | 0.25 | 0.73 | 1.03 | 9.08 | 9.79 | 61.07 |
| Florence | 12.16 | 11.20 | 13.96 | 4.71 | 4.10 | 2.58 | 2.62 | 0.00 | 0.68 | 1.36 | 9.81 | 8.32 | 71.50 |
| Foothills Orchard | 2.32 | 1.88 | 2.06 | 2.32 | 0.79 | 0.82 | 1.57 | 0.75 | 0.48 | 0.31 | 2.38 | 2.28 | 17.96 |
| Forest Grove | ..... | ..... | ..... | ..... | ..... | 2.02 | 2.07 | 0.37 | 0.83 | 1.48 | 5.40 | 6.10 | ..... |
| Fort Rock | 2.48 | 1.11 | 0.65 | 0.90 | 0.56 | 2.15 | 0.89 | 1.09 | 0.19 | 0.06 | 0.45 | 0.90 | 11.43 |
| Gardners Ranch | 1.83 | 1.11 | 1.66 | 1.65 | 1.01 | 0.57 | 0.73 | 0.68 | 0.43 | 0.24 | 1.29 | 1.68 | 12.88 |
| Glencoe | 5.64 | 2.07 | 1.46 | 1.21 | 1.14 | 2.50 | 0.52 | 0.15 | 0.16 | 0.75 | 1.36 | 0.71 | 17.67 |
| Glendale | 11.19 | 5.24 | 7.46 | 2.52 | 2.92 | 1.18 | 2.22 | 0.25 | 0.40 | 0.59 | 4.83 | 8.17 | 46.97 |
| Glenora | 16.17 | 19.89 | 29.29 | 7.66 | 6.69 | 3.13 | 4.21 | 0.31 | ..... | ..... | ..... | ..... | ..... |
| Gold Beach | 14.65 | 12.23 | 22.65 | 5.52 | 4.89 | 3.94 | 3.99 | 0.05 | 2.33 | 1.04 | 9.78 | 9.40 | 90.47 |
| Golden Falls | 16.99 | 20.22 | 17.31 | 5.94 | 6.58 | 2.94 | 2.45 | 0.09 | 1.81 | 2.39 | 15.98 | 15.46 | 108.16 |
| Government Camp | 8.65 | 16.25 | 14.99 | 6.80 | 8.16 | 5.05 | 4.08 | 2.45 | 3.41 | 1.05 | 10.39 | 13.44 | 94.72 |
| Grants Pass | 9.24 | 3.42 | 4.08 | 2.12 | 1.03 | 0.80 | 1.04 | 0.41 | 0.12 | 0.42 | 4.73 | 4.03 | 31.44 |
| Gumboot | 7.98 | 2.54 | 4.48 | 1.61 | 2.32 | 2.64 | 1.53 | 0.31 | 0.67 | 1.20 | 3.18 | 5.54 | 33.13 |
| Halls Ranch | 1.83 | 1.68 | 1.94 | 1.80 | 0.68 | 0.59 | 1.40 | 0.55 | 0.16 | 0.31 | 2.09 | 2.16 | 15.19 |
| Harriman | 0.78 | 1.76 | 0.39 | 0.67 | 2.21 | 0.98 | 0.92 | 0.43 | 0.07 | 0.60 | 0.53 | 0.19 | 9.53 |
| Hazeldell | 5.78 | 6.57 | 6.90 | 3.26 | 2.86 | 1.62 | 3.16 | 0.69 | 1.12 | 1.19 | 6.65 | 6.28 | 46.08 |
| Headworks | 8.63 | 11.55 | 16.44 | 7.80 | 6.74 | 4.67 | 5.39 | 1.60 | 2.93 | 2.26 | 11.49 | 9.61 | 89.11 |
| Heppner | 1.97 | 2.31 | 1.76 | 1.52 | 2.32 | 3.12 | 0.72 | 0.38 | 0.15 | 0.69 | 1.52 | 0.94 | 17.40 |
| Hermiston | 1.60 | 2.28 | 1.81 | 1.11 | 0.48 | 1.34 | 1.15 | 0.05 | 0.01 | 0.43 | 1.22 | 2.08 | 13.56 |
| Hilgard | 4.53 | 5.16 | 1.57 | 1.30 | 3.21 | 1.43 | 0.91 | 0.48 | 0.61 | 0.69 | 1.43 | 3.15 | 24.47 |
| Hillcrest Orchard | 2.66 | 1.78 | 2.10 | 2.22 | 1.01 | 0.85 | 1.48 | 0.56 | 0.37 | 0.37 | 1.93 | 1.73 | 17.06 |
| Holloway Orchard | 2.13 | 2.56 | 1.86 | 1.80 | 0.97 | 0.90 | 1.11 | 0.21 | 0.40 | 0.08 | 1.66 | 1.85 | 15.55 |
| Hood River | 3.75 | 7.26 | 9.62 | 2.72 | 2.27 | 1.52 | 1.06 | 0.16 | 0.39 | 1.12 | 4.02 | 4.45 | 38.34 |
| Howardville | 3.55 | 5.74 | 3.56 | 1.18 | 2.95 | 1.98 | 0.75 | 1.18 | 0.72 | 0.66 | 2.71 | 4.36 | 29.33 |
| Huntington | 3.35 | 2.01 | 0.15 | 0.27 | ..... | 1.80 | ..... | 0.18 | T. | 0.82 | 1.15 | 1.84 | ..... |
| Ibex Mine | 6.04 | 5.40 | 4.05 | 1.75 | 3.29 | 1.43 | 0.97 | 0.81 | 0.62 | 0.24 | 2.32 | 7.64 | 53.57 |
| Jacksonville | 4.57 | 2.60 | 2.76 | 1.76 | 1.05 | 0.59 | 1.33 | 0.42 | 0.10 | 0.21 | 3.52 | 4.07 | 22.98 |
| Joseph | 4.50 | 2.50 | 2.80 | 0.16 | 3.04 | 1.79 | 0.87 | 1.21 | 0.82 | 0.36 | 1.65 | 3.20 | 22.90 |
| Klamath Falls | 2.58 | 0.90 | 1.31 | 0.34 | 0.55 | 0.75 | 1.57 | 0.02 | 0.00 | T. | 1.19 | 1.77 | 10.98 |
| La Grande | 0.91 | 1.95 | 1.80 | 1.28 | 1.53 | 1.16 | 0.67 | 0.20 | 1.09 | 0.59 | 1.14 | 3.28 | 15.60 |
| Lakeview | 2.43 | 1.36 | 1.11 | 0.45 | 1.42 | 0.68 | 1.18 | 0.29 | 0.02 | 0.61 | 1.03 | 1.02 | 11.60 |
| Lapine | ..... | ..... | 0.65 | 0.60 | 1.00 | 1.42 | 2.70 | 0.07 | 0.04 | 0.05 | 2.70 | 3.49 | ..... |
| Lebanon | 7.70 | 4.94 | 11.22 | 3.46 | 3.38 | 2.07 | 3.25 | 0.65 | 0.92 | 1.05 | 6.51 | 3.82 | 48.97 |
| Lilyglen | 6.67 | 2.99 | 3.60 | 2.92 | 2.56 | 1.81 | 1.88 | 1.10 | 0.53 | 1.47 | 3.29 | 4.36 | 33.18 |
| Longwood | 4.71 | 9.55 | 9.13 | 1.59 | 1.81 | 1.57 | 0.88 | 0.18 | 0.53 | 0.90 | 3.77 | 4.35 | 38.97 |
| McKinley | 14.13 | 13.66 | 13.79 | 4.24 | 4.72 | 1.79 | 1.99 | 0.22 | 0.99 | 1.25 | 8.56 | 9.66 | 74.90 |
| McMinnville | 6.23 | 9.02 | 11.98 | 2.25 | 2.56 | 1.56 | 1.87 | 0.29 | 0.82 | 1.64 | 6.95 | 5.24 | 50.36 |
| Marshfield | 14.98 | 11.98 | 14.11 | 4.12 | 4.98 | 2.52 | 2.33 | 0.17 | 1.26 | 0.84 | 9.16 | 9.37 | 75.82 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Oregon*—Continued. | | | | | | | | | | | | | |
| Maury | 2.30 | 2.06 | 1.34 | 1.60 | 1.60 | 2.96 | 1.15 | 0.30 | 0.11 | 0.20 | 1.55 | 1.33 | 16.50 |
| Medford | 2.01 | 1.51 | 1.76 | 1.66 | 0.69 | 0.73 | 1.15 | 0.66 | 0.37 | 0.28 | 1.89 | 1.71 | 14.52 |
| Merrill | 1.42 | 1.26 | 0.17 | 0.25 | 0.70 | ..... | 1.65 | 1.25 | 0.00 | 0.00 | 0.35 | 0.51 | ..... |
| Milton | 3.08 | 3.34 | 4.40 | 2.12 | 1.74 | 1.71 | 1.05 | 0.22 | ..... | 0.56 | 2.10 | 2.61 | ..... |
| Miramonte Farm | 5.61 | 9.15 | 10.90 | 3.35 | 2.83 | 1.82 | 2.53 | 0.63 | 1.42 | 1.38 | 7.60 | 4.01 | 51.23 |
| Modoc Orchard | 4.07 | 2.35 | 2.14 | 1.69 | 1.05 | 0.64 | 1.46 | 0.80 | 0.09 | 0.38 | 2.94 | 2.92 | 20.53 |
| Monument | 2.38 | 3.34 | 0.83 | 1.24 | 1.83 | 2.15 | 1.14 | 0.34 | 0.27 | 0.50 | 1.80 | 1.46 | 17.28 |
| Mountain Home | 8.32 | 10.00 | 16.36 | 3.88 | 4.20 | 2.79 | 3.35 | 0.30 | 2.32 | 1.98 | 6.35 | 6.85 | 66.70 |
| Mount Angel | 6.30 | 7.60 | 11.58 | 4.49 | 4.66 | 2.05 | 2.80 | 0.61 | 1.31 | 1.72 | 9.08 | 5.16 | 57.36 |
| Nehalem | ..... | ..... | ..... | 4.74 | 5.39 | 3.04 | 5.18 | 0.00 | 3.02 | 2.73 | 11.61 | 8.29 | ..... |
| Newhalls Orchard | 3.35 | 2.31 | 2.24 | 1.70 | 0.72 | 0.87 | ..... | ..... | 0.30 | 0.15 | 2.91 | 3.17 | ..... |
| Newport | 9.07 | 16.29 | 16.37 | 5.44 | 4.50 | 2.30 | 3.04 | 0.61 | 2.11 | 1.52 | 9.58 | 8.77 | 79.60 |
| Oakridge | 4.93 | 5.70 | 6.03 | 3.58 | 2.86 | 2.42 | 3.14 | 0.70 | 1.20 | 1.09 | 6.67 | 6.20 | 44.52 |
| Ochoco | 2.28 | 3.94 | 1.04 | 1.65 | 2.07 | 2.87 | 2.04 | 0.20 | 0.32 | 0.14 | 1.78 | 1.22 | 19.55 |
| Ochoco Creek | 3.40 | 2.63 | 0.41 | 1.58 | 2.01 | 2.57 | 1.52 | 0.45 | 0.53 | 0.09 | 0.70 | 2.74 | 18.63 |
| Orchard Home | 2.58 | 1.76 | 1.85 | 1.59 | 0.94 | 0.67 | 1.13 | 0.63 | 0.38 | 0.30 | 2.17 | 2.05 | 16.05 |
| Ortley | 5.04 | 6.23 | 4.89 | 1.17 | 0.59 | 2.02 | 1.27 | 0.15 | 0.40 | 0.90 | 2.19 | 2.63 | 27.48 |
| Owyhee | 1.88 | 1.87 | 0.49 | 0.07 | 0.52 | 1.30 | 0.38 | 0.37 | 0.06 | 0.84 | 0.35 | 0.40 | 8.53 |
| Paisley (near) | 2.46 | 1.35 | 2.21 | 1.35 | 2.83 | 1.53 | 0.42 | 0.40 | 0.61 | 0.08 | 1.67 | 1.54 | 16.45 |
| Parkdale | 6.79 | 10.23 | 8.04 | 1.91 | 2.13 | 1.74 | 0.88 | 0.32 | 0.44 | 1.84 | 5.24 | 7.30 | 46.86 |
| Pendleton | 2.73 | 3.12 | 2.53 | 1.28 | 1.09 | 1.28 | 0.41 | 0.09 | 0.22 | 0.68 | 1.38 | 2.11 | 16.92 |
| Persist | 8.47 | 6.33 | 6.08 | 3.04 | 2.84 | 1.92 | 2.44 | 1.05 | 0.68 | 0.69 | 5.89 | 7.80 | 47.23 |
| Pilot Rock | 2.90 | 2.60 | 0.70 | 0.93 | ..... | 1.42 | 0.30 | 0.10 | 0.14 | 0.62 | 1.14 | 2.59 | ..... |
| Portland | 5.69 | 7.87 | 10.57 | 2.85 | 2.05 | 1.83 | 2.55 | 0.27 | 0.71 | 1.26 | 6.31 | 3.81 | 45.77 |
| Port Orford | 12.85 | 14.37 | 14.32 | 4.95 | 3.36 | 2.67 | 3.74 | T. | ..... | ..... | ..... | ..... | ..... |
| Post | 2.13 | 1.84 | 0.50 | 1.00 | 1.32 | 2.55 | 1.13 | 0.14 | 0.31 | 0.12 | 0.84 | 1.98 | 13.86 |
| Power House | ..... | 1.24 | 5.13 | 3.39 | 2.47 | 2.10 | 0.98 | 0.21 | 0.25 | 0.79 | 3.70 | 2.52 | ..... |
| Prairie City | 1.70 | 3.10 | 0.92 | 1.36 | 1.80 | 1.05 | 0.93 | 0.77 | 0.48 | 0.47 | 1.43 | 2.15 | 16.16 |
| Princeton | 1.07 | 0.70 | 0.90 | 0.30 | 2.10 | 0.75 | 0.90 | 0.25 | 0.15 | 1.00 | 0.55 | 1.25 | 9.92 |
| Prineville | 0.93 | 0.47 | 0.87 | 0.50 | 1.13 | 2.36 | 1.53 | 0.61 | 0.32 | 0.02 | 0.22 | 0.32 | 9.28 |
| Prospect | 7.45 | 5.97 | 5.15 | 3.10 | 2.54 | 0.86 | 2.55 | 0.76 | 0.42 | 0.60 | 5.71 | 5.69 | 40.80 |
| Rager Creek | 3.07 | 3.51 | 1.00 | 0.43 | 1.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Ramsey | 2.32 | 3.54 | 2.55 | 0.60 | 0.69 | 1.80 | 1.14 | 0.11 | 0.21 | 0.34 | 1.25 | 2.21 | 16.76 |
| Range | 2.19 | 2.62 | 1.26 | 1.71 | 2.90 | 2.61 | 0.98 | 0.20 | 1.17 | 0.73 | 2.54 | 2.96 | 21.87 |
| Ray Creek | 2.38 | 1.21 | 0.89 | 1.22 | 1.78 | 2.85 | ..... | 0.22 | 0.18 | 0.72 | 1.44 | 0.54 | ..... |
| Redmond | 1.47 | 0.86 | 0.88 | 0.57 | 0.74 | 1.90 | 2.05 | 0.33 | 0.34 | 0.16 | 0.52 | 0.48 | 10.30 |
| Reservoir No. 3 | 1.64 | 1.67 | 0.83 | 0.77 | 0.35 | 1.04 | 0.52 | 0.19 | 0.13 | 0.36 | 0.47 | 1.24 | 9.21 |
| Reston | 11.13 | 7.54 | 9.21 | 2.82 | 2.87 | 0.62 | 1.87 | 0.21 | 0.51 | 0.74 | 7.97 | 7.97 | 53.46 |
| Richland | 1.45 | 2.10 | 0.33 | 0.33 | 0.70 | 0.88 | 0.81 | 0.08 | 0.09 | 0.60 | 0.48 | 1.28 | 9.13 |
| Riddle | 7.16 | 3.63 | 4.89 | 2.23 | 1.92 | 0.78 | 1.80 | 0.17 | 0.15 | 0.06 | 4.25 | 3.53 | 30.57 |
| Rio Hermoso | ..... | ..... | ..... | 0.45 | 1.31 | 2.50 | 1.10 | 0.33 | 0.46 | ..... | ..... | ..... | ..... |
| Riverdale | 1.61 | 0.70 | 0.83 | 1.03 | 1.49 | 1.27 | 0.33 | 0.42 | 0.02 | 0.02 | 0.62 | 0.75 | 9.09 |
| Riverside | 3.58 | 1.03 | 1.10 | 0.20 | 1.97 | 1.53 | 0.10 | 0.45 | 0.08 | 0.95 | 0.60 | 0.72 | 12.31 |
| Roseburg | 6.15 | 5.01 | 4.95 | 2.28 | 2.05 | 0.91 | 2.22 | 0.36 | 0.59 | 0.43 | 4.62 | 3.88 | 33.45 |
| Salem No. 1 | 5.39 | 6.43 | 9.96 | 2.59 | 2.58 | 1.31 | 2.72 | 0.35 | 1.17 | 1.43 | 7.12 | 4.71 | 45.76 |
| Salem No. 2 | ..... | ..... | ..... | 2.57 | 2.21 | 1.32 | 2.42 | ..... | ..... | ..... | ..... | ..... | ..... |
| Silver Lake | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.04 | 0.28 | 0.19 | ..... |
| Siskiyou | 12.71 | 4.60 | 4.68 | 2.34 | 1.60 | 1.08 | 2.49 | 1.52 | 0.75 | 0.17 | 3.71 | 7.68 | 43.33 |
| Sisters | 3.10 | 3.11 | 1.41 | 0.85 | 1.35 | 1.59 | 1.40 | 0.29 | 0.29 | 0.50 | 1.92 | 2.34 | 18.15 |
| Sled Springs | ..... | 2.80 | ..... | 1.55 | 4.00 | 2.95 | 1.34 | 1.80 | 0.20 | ..... | ..... | ..... | ..... |
| Sparta | 4.17 | 0.29 | 1.10 | 1.30 | 0.97 | 1.15 | 1.11 | 0.59 | 0.25 | 0.90 | 2.10 | 3.65 | 17.58 |
| Stafford | ..... | ..... | 11.00 | 3.16 | 2.05 | 1.58 | 2.34 | 0.10 | 0.78 | 1.60 | 7.20 | 3.41 | ..... |
| Stanfield | 1.52 | 2.40 | 1.97 | 1.25 | 0.42 | 1.55 | 0.75 | 0.08 | 0.03 | 0.37 | 1.36 | 1.82 | 13.52 |
| Starkey | 1.41 | 2.61 | 1.27 | 1.11 | 2.93 | 1.74 | 0.85 | 0.45 | 0.73 | 0.60 | 0.84 | 3.15 | 17.69 |
| Summit | 9.75 | 10.96 | 17.45 | 4.69 | 4.91 | 2.53 | 1.94 | 0.38 | 1.60 | 1.97 | 10.58 | 8.61 | 75.37 |
| Sunrise Valley | 1.67 | 1.29 | 0.28 | 0.33 | 1.26 | 0.44 | 0.87 | 0.62 | 0.00 | 1.06 | 0.65 | 1.29 | 9.76 |
| Sunset Valley | 0.87 | 0.94 | 0.42 | 0.83 | 1.27 | 0.90 | 0.91 | 0.38 | 0.00 | 0.04 | 0.38 | 0.20 | 7.14 |
| Susanville | 2.74 | 3.81 | 1.93 | 1.44 | 2.31 | 1.35 | 0.80 | 0.87 | 0.95 | 0.65 | ..... | ..... | ..... |
| Talent | 2.66 | 1.46 | 1.80 | 2.07 | 1.05 | 0.67 | 0.92 | 0.61 | 0.57 | 0.20 | 1.64 | 1.45 | 15.10 |
| Tamarack | 3.19 | 2.30 | 2.35 | 1.80 | 3.33 | 2.49 | 0.66 | 0.73 | ..... | ..... | ..... | ..... | ..... |
| The Dalles | 2.28 | 3.33 | 2.89 | 0.60 | 0.66 | 0.98 | 1.28 | 0.01 | 0.18 | 0.30 | 1.20 | 1.83 | 15.54 |
| Tillamook | 12.99 | 18.57 | 24.95 | 6.10 | 5.58 | 2.15 | 4.69 | 0.62 | 2.83 | 2.69 | 12.50 | 10.43 | 104.10 |
| Toledo | 12.50 | 15.90 | 21.59 | 8.48 | ..... | 3.30 | 2.62 | 0.52 | 2.07 | 1.56 | 10.90 | 9.42 | ..... |
| Tule Lake | ..... | 0.44 | ..... | 0.60 | 0.65 | 0.84 | 0.90 | 1.45 | 0.04 | T. | 1.16 | 1.04 | ..... |
| Umatilla | 1.29 | 2.02 | 1.87 | 0.99 | 0.20 | 1.41 | 0.62 | 0.12 | 0.05 | 0.54 | 1.46 | 1.01 | 11.58 |
| Umpqua | 12.42 | 11.00 | 12.17 | 5.21 | 4.78 | 2.63 | 3.72 | 0.50 | 1.43 | 1.23 | 8.72 | 7.39 | 71.20 |
| Union | 1.89 | 1.91 | 1.22 | 0.77 | 1.96 | 1.27 | 0.57 | 0.39 | 0.76 | 0.19 | 0.71 | 1.69 | 13.33 |
| Vale | 1.55 | 1.67 | 0.37 | 0.16 | T. | 0.31 | 0.05 | 0.16 | 0.00 | 0.57 | 0.36 | 0.77 | 5.97 |
| Valley Falls | 2.63 | 1.08 | 1.11 | 1.18 | 3.23 | 0.68 | 0.72 | 0.32 | 0.10 | 0.90 | 0.47 | 0.70 | 13.12 |
| Vida | 8.81 | 11.17 | 14.69 | 5.89 | 5.99 | 3.58 | 4.21 | 1.05 | 2.25 | 2.17 | 10.19 | 8.34 | 78.34 |
| Vistillas | 3.74 | 1.93 | 1.87 | 0.68 | 1.07 | 0.76 | 0.76 | 1.18 | T. | 0.51 | 2.05 | 2.45 | 17.00 |
| Waldo | 17.24 | 9.21 | 9.09 | 2.74 | 4.01 | 0.92 | 1.82 | 0.51 | 0.43 | 0.59 | 8.89 | 5.99 | 61.44 |
| Wallace Orchard | 6.88 | 7.42 | 10.83 | 3.08 | 3.07 | 1.70 | 2.76 | 0.43 | 0.94 | 1.96 | 7.58 | 5.28 | 51.93 |
| Wallowa | 1.89 | 3.62 | 0.87 | 0.80 | 2.55 | 1.92 | 0.75 | 1.08 | ..... | ..... | 1.42 | 2.89 | ..... |
| Wamic | ..... | 6.32 | 2.25 | 0.34 | 0.56 | 2.69 | 1.02 | 0.10 | 0.04 | 0.36 | 1.73 | 1.23 | ..... |
| Warmspring | ..... | ..... | 1.40 | 0.63 | 0.66 | 1.45 | 1.60 | ..... | ..... | T. | 0.77 | 1.04 | ..... |
| Wasco | 0.72 | 2.35 | 2.74 | 0.81 | 0.75 | 2.10 | 1.24 | 0.15 | 0.29 | 0.37 | 1.09 | 0.89 | 14.10 |
| Welches | 6.18 | 6.50 | 12.13 | 5.71 | 6.62 | 4.59 | 4.30 | 1.40 | 2.99 | 3.07 | 13.47 | 4.02 | 70.98 |
| Weston | 3.70 | 4.01 | 4.36 | 2.10 | 2.89 | 2.68 | 0.63 | 0.16 | 0.11 | 0.73 | 2.63 | 3.98 | 27.98 |
| Whitaker | 2.29 | ..... | ..... | ..... | ..... | ..... | 1.02 | 0.33 | ..... | ..... | ..... | ..... | ..... |
| Williams | 11.42 | 4.75 | 3.65 | 1.64 | 1.55 | 0.34 | 1.02 | ..... | ..... | ..... | 2.62 | 4.23 | ..... |
| Yonna | 2.21 | 1.34 | 0.58 | 0.55 | 0.92 | 0.94 | 1.13 | 0.66 | 0.23 | 0.00 | 1.15 | 1.40 | 11.11 |
| *Pennsylvania.* | | | | | | | | | | | | | |
| Aleppo | 3.06 | 4.71 | 3.81 | 2.67 | 3.24 | 5.13 | 4.63 | 5.96 | 2.46 | 2.59 | 3.27 | 2.69 | 44.24 |
| Allentown | 1.94 | 3.09 | 4.01 | 3.31 | 2.20 | 4.71 | 9.88 | 0.81 | 3.58 | 1.82 | 2.30 | 3.96 | 41.61 |
| Altoona | 2.16 | 2.54 | 3.66 | 4.09 | 3.34 | 9.80 | 3.15 | 2.36 | 4.24 | 2.74 | 1.84 | 1.79 | 41.71 |
| Ansonia | 1.09 | 2.09 | 2.90 | 4.10 | 3.77 | 9.65 | 3.37 | 2.52 | 4.68 | 2.63 | 1.76 | 1.18 | 39.74 |
| Austin | 3.22 | 2.85 | 5.98 | 7.40 | 5.67 | 12.45 | 1.85 | 2.82 | 5.42 | 3.50 | 4.65 | 2.69 | 58.50 |
| Baldwin | 4.38 | 2.93 | 4.18 | 2.95 | 3.99 | 5.93 | 1.66 | 3.56 | 1.93 | 3.27 | 3.39 | 2.72 | 40.94 |
| Beaver Dam | 3.27 | 2.86 | 3.49 | 2.70 | 2.91 | 4.54 | 3.40 | 4.61 | 1.01 | 2.28 | 2.83 | 2.14 | 36.04 |
| Beaver Falls | 3.07 | 2.62 | 3.76 | 3.17 | 3.06 | 4.72 | 2.13 | 2.89 | 0.91 | 2.76 | 2.81 | 2.37 | 34.27 |
| Bellefonte | 1.18 | 2.42 | 4.69 | 3.59 | 3.32 | 10.61 | 3.52 | 1.92 | 4.48 | 2.10 | 1.66 | 1.93 | 41.42 |
| Bethlehem | 1.79 | 2.11 | 3.69 | 3.12 | 2.07 | 4.01 | 6.36 | 1.17 | 2.94 | 0.76 | 1.73 | 3.16 | 32.91 |
| Bloserville | 2.01 | 2.72 | 4.05 | 2.20 | 2.23 | 9.67 | 7.26 | 3.07 | 2.97 | 2.03 | 0.99 | 1.97 | 41.17 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Pennsylvania*—Continued. | | | | | | | | | | | | | |
| Bradford | ..... | ..... | ..... | ..... | ..... | ..... | 3.96 | 1.17 | 5.39 | 3.54 | 3.56 | 3.16 | ..... |
| Brookville | 3.72 | 2.38 | 3.61 | 2.99 | 4.18 | 6.91 | 2.10 | 1.03 | 4.36 | 2.84 | 2.26 | 1.23 | 37.61 |
| Browers Lock | 1.51 | 3.67 | 3.97 | 3.31 | 2.03 | 3.50 | 7.59 | 2.84 | 3.05 | 1.21 | 2.07 | 6.38 | 41.14 |
| Carlisle | 1.94 | 3.26 | 4.95 | 2.95 | 2.33 | 6.02 | 7.70 | 2.01 | 2.77 | 2.55 | 1.30 | 2.43 | 40.21 |
| Catawissa | 1.66 | 2.42 | 3.97 | 4.79 | 1.49 | 5.32 | 10.88 | 0.55 | 6.61 | 1.02 | 1.84 | 2.98 | 43.53 |
| Center Hall | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.16 | 1.38 | 1.43 | ..... |
| Chambersburg | 1.64 | 2.85 | 4.58 | 3.26 | 2.16 | 7.42 | 3.00 | 3.09 | 2.54 | 2.32 | 0.88 | 3.00 | 36.74 |
| Clarion | 3.35 | 4.06 | 4.14 | 3.22 | 4.83 | 7.30 | 1.54 | 1.96 | 2.75 | 2.98 | 3.28 | 3.62 | 43.03 |
| Claysville | 3.60 | 3.95 | 4.14 | 3.04 | 3.07 | 5.99 | 2.05 | 3.70 | 2.85 | 2.69 | 2.81 | 2.45 | 40.34 |
| Clearfield | 4.67 | 5.86 | 5.38 | 3.32 | 6.02 | 11.67 | 3.72 | 3.33 | 3.36 | 1.66 | 3.62 | 1.28 | 53.89 |
| Coatesville | 2.19 | 4.20 | 4.58 | 3.19 | 3.53 | 5.65 | 10.62 | 1.26 | 2.46 | 2.16 | 1.72 | 5.53 | 47.09 |
| Colebrook | 2.15 | 3.33 | 4.74 | 3.09 | 3.04 | 5.63 | 7.42 | 5.27 | 3.72 | 1.96 | 1.94 | 3.41 | 45.70 |
| Confluence | 3.35 | 4.65 | 5.18 | 3.23 | 2.51 | 8.08 | 3.81 | 5.97 | 4.49 | 2.72 | 2.57 | 3.36 | 49.92 |
| Coraopolis | 3.21 | 2.65 | 3.80 | 2.26 | 2.64 | 5.67 | 2.47 | 2.68 | 1.55 | 2.22 | 2.46 | 2.27 | 33.88 |
| Corry | 2.97 | 2.26 | 3.62 | 4.31 | 3.67 | ..... | ..... | ..... | ..... | ..... | 2.91 | ..... | ..... |
| Davis Island Dam | 3.55 | 2.47 | 3.76 | 2.52 | 2.39 | 4.39 | 3.34 | 4.50 | 1.53 | 2.38 | 2.30 | 2.24 | 35.37 |
| Derry | 4.30 | 4.33 | 4.76 | 2.93 | 3.01 | 5.33 | 6.19 | 6.14 | 2.60 | 2.36 | 2.26 | 2.50 | 46.71 |
| Doylestown | 1.11 | 2.99 | 2.99 | 2.86 | 3.04 | 3.08 | 5.28 | 2.06 | 4.16 | 0.97 | 2.21 | 4.91 | 35.66 |
| Drifton | 1.86 | 3.08 | 3.41 | 2.98 | 2.74 | 6.24 | 6.04 | 1.24 | 6.14 | 2.28 | 1.72 | 3.21 | 40.94 |
| Edinboro | 3.49 | 3.17 | 3.52 | 4.91 | 3.95 | 4.15 | 1.04 | 1.61 | 4.49 | 3.96 | 3.97 | 3.48 | 41.74 |
| Emporium | 3.58 | 2.98 | 5.71 | 4.77 | 4.69 | 8.77 | 1.90 | 1.27 | 3.92 | 2.11 | 2.83 | 2.22 | 44.73 |
| Ephrata | 2.10 | 2.90 | 4.19 | 3.40 | 3.72 | 4.82 | 9.80 | 2.33 | 2.21 | 0.84 | 1.58 | 3.69 | 41.58 |
| Erie | 2.23 | 2.74 | 2.73 | 5.26 | 3.85 | 3.35 | 0.39 | 2.69 | 4.47 | 2.88 | 2.34 | 2.87 | 35.44 |
| Everett | 0.61 | 1.30 | 5.72 | 3.57 | 2.39 | 6.89 | 5.10 | 4.11 | 5.58 | 1.95 | 0.88 | 5.48 | 43.58 |
| Franklin | 3.46 | 2.14 | 4.38 | 4.83 | 3.05 | 5.13 | 0.99 | 2.52 | 4.63 | 3.11 | 2.88 | 3.35 | 40.47 |
| Freeland | 1.51 | 3.54 | 4.13 | 2.95 | 2.82 | 8.91 | 5.13 | 1.08 | 5.78 | 1.59 | 2.18 | 3.42 | 40.04 |
| Freeport | 4.50 | 3.36 | 4.33 | 2.67 | 2.59 | 8.00 | 1.43 | 2.95 | 1.77 | 2.29 | 2.57 | 2.70 | 39.16 |
| George School | 1.49 | 3.41 | 3.27 | 3.26 | 2.89 | 2.84 | 5.11 | 1.23 | 2.97 | 1.43 | 1.92 | 4.67 | 34.49 |
| Gettysburg | 1.69 | 2.83 | 4.71 | 3.50 | 2.27 | 6.79 | 8.09 | 3.60 | 6.86 | 4.40 | 1.87 | 2.91 | 49.52 |
| Girardville | 2.86 | 3.59 | 4.66 | 4.85 | 2.68 | 7.66 | 11.05 | 1.45 | 7.28 | 2.39 | 3.13 | 4.11 | 55.71 |
| Gordon | 1.63 | 2.62 | 4.32 | 5.08 | 2.27 | 2.18 | 8.23 | 2.79 | 8.18 | 2.45 | 2.96 | 4.44 | 53.15 |
| Gouldsboro | 1.72 | 3.20 | 4.23 | 6.10 | 4.01 | 6.36 | 8.08 | 1.32 | 4.14 | 1.80 | 2.43 | 2.77 | 46.16 |
| Greensboro | 4.20 | 4.00 | 4.44 | 2.48 | 2.42 | 6.26 | 0.70 | 4.52 | 3.34 | 3.42 | 3.12 | 2.98 | 41.88 |
| Greensburg | 3.94 | 4.88 | 4.68 | 2.76 | 5.03 | 5.11 | 2.31 | 4.00 | 2.13 | 1.75 | 1.86 | 2.55 | 41.00 |
| Greenville | 3.29 | 2.04 | 3.61 | 3.97 | 3.31 | 4.21 | 2.61 | 2.67 | 2.54 | 2.76 | 2.75 | 3.32 | 37.05 |
| Grove City | 3.13 | 2.00 | 3.27 | 3.28 | 3.27 | 4.81 | 1.87 | 2.13 | 1.65 | 3.45 | 2.56 | 2.26 | 33.68 |
| Hamburg | 1.28 | 3.15 | 2.98 | 3.93 | 3.51 | 5.00 | 6.71 | 1.44 | 3.64 | 2.45 | 2.57 | 5.31 | 41.97 |
| Hanover | 1.72 | 3.36 | 4.30 | 2.40 | 2.00 | 4.04 | 6.19 | 2.22 | 4.70 | 1.50 | 1.80 | 3.39 | 37.62 |
| Harrisburg | 1.61 | 2.67 | 4.14 | 2.64 | 2.25 | 3.98 | 4.48 | 2.34 | 6.50 | 1.90 | 1.47 | 2.39 | 36.37 |
| Herrs Island Dam | 3.39 | 2.90 | 3.82 | 2.69 | 2.30 | 4.06 | 2.34 | 6.29 | 1.85 | 2.24 | 1.86 | 2.17 | 35.91 |
| Honesdale | 2.79 | 4.89 | 5.74 | 4.78 | 4.56 | 6.22 | 5.60 | 1.97 | 3.16 | 1.60 | 2.63 | 3.61 | 47.64 |
| Huntingdon | 2.19 | 2.80 | 5.76 | 3.42 | 3.33 | 10.32 | 2.88 | 3.43 | 3.38 | 1.88 | 1.20 | 2.78 | 43.37 |
| Hyndman | 2.68 | 2.74 | 5.87 | 4.08 | 2.31 | 6.57 | 6.45 | 3.95 | 3.38 | 1.99 | 1.35 | 2.22 | 44.09 |
| Indiana | 5.33 | 3.96 | 5.32 | 3.79 | 3.45 | 6.79 | 2.32 | 6.60 | 3.57 | 2.69 | 1.96 | 3.69 | 49.47 |
| Irwin | 3.51 | 3.12 | 3.33 | 2.63 | 4.59 | 4.48 | 1.33 | 3.72 | 2.47 | 1.75 | 1.94 | 2.30 | 35.17 |
| Johnstown | 4.73 | 4.32 | 6.07 | 4.24 | 6.09 | 8.19 | 2.25 | 6.37 | 4.64 | 1.47 | 2.01 | 3.69 | 54.07 |
| Kennett Square | 2.62 | 2.16 | 3.27 | 1.98 | 2.86 | 5.27 | 5.71 | 0.21 | 2.53 | 1.73 | 1.89 | ..... | ..... |
| Lancaster | 1.95 | 2.78 | 3.59 | 2.74 | 3.59 | 4.32 | 7.79 | 2.09 | 2.81 | 0.99 | 1.44 | 4.49 | 38.58 |
| Lansford | 1.90 | 2.28 | 2.86 | 2.91 | 1.98 | 5.67 | 11.74 | 2.24 | 4.09 | 3.08 | 2.84 | 3.49 | 45.08 |
| Lawrenceville | 0.20 | 3.30 | 3.20 | 4.60 | 4.75 | 6.17 | 1.72 | 1.90 | 4.25 | 1.95 | 2.15 | 1.52 | 35.71 |
| Lebanon | 2.02 | 2.89 | 4.58 | 2.26 | 3.70 | 5.37 | 4.92 | 2.66 | 4.74 | 1.81 | 1.98 | 3.43 | 40.36 |
| Le Roy | 1.13 | 2.77 | 3.49 | 4.64 | 3.13 | 6.00 | 2.64 | 1.65 | 6.22 | 2.24 | 1.81 | 1.56 | 37.28 |
| Lewisburg | 1.84 | 2.55 | 4.80 | 4.83 | 1.84 | 7.77 | 5.17 | 0.74 | 5.79 | 2.60 | 1.66 | 2.29 | 41.88 |
| Linesville | 2.49 | 2.21 | 2.61 | 3.27 | 3.66 | 4.17 | 2.30 | 1.73 | 3.95 | 2.60 | 2.65 | 3.93 | 35.57 |
| Lloyd | 2.48 | 1.93 | 4.10 | 3.01 | 3.28 | 10.74 | 3.02 | 1.88 | 4.69 | 2.20 | 1.06 | 1.53 | 39.92 |
| Lock Haven | 2.56 | 2.92 | 4.03 | 4.44 | 4.07 | 9.34 | 1.75 | 1.68 | 5.09 | 2.13 | 1.77 | 2.06 | 41.84 |
| Lock No. 4 | 3.30 | 3.32 | 4.30 | 3.39 | 3.07 | 4.40 | 2.46 | 4.44 | 1.89 | 2.17 | 2.19 | 2.19 | 37.12 |
| Lycippus | 5.00 | 4.94 | 5.02 | 3.58 | 3.76 | 4.93 | 5.10 | 3.78 | 3.34 | 2.59 | 2.85 | 3.90 | 48.79 |
| Lykens | 1.53 | 2.53 | 4.35 | 3.63 | 3.54 | 6.99 | 3.24 | 1.29 | 6.98 | 2.47 | 2.39 | 2.74 | 41.68 |
| McCall Ferry | 1.55 | 2.35 | 5.73 | 2.74 | 1.84 | 3.85 | 9.71 | 0.56 | 2.44 | 1.20 | 1.30 | 2.39 | 35.66 |
| Marion | 2.57 | 2.73 | 5.43 | 4.00 | 3.73 | 7.65 | 6.29 | 3.11 | 2.56 | 2.10 | 6.21 | 2.41 | 43.79 |
| Mauch Chunk | 1.99 | 3.94 | 3.91 | 4.23 | 2.27 | 5.87 | 8.93 | 1.31 | 3.46 | 3.02 | 1.64 | 4.46 | 45.03 |
| Media | 1.82 | 3.79 | 3.21 | 3.09 | 2.82 | 3.83 | 3.57 | 1.71 | 4.04 | 1.29 | 2.58 | 4.26 | 36.01 |
| Mifflintown | 1.53 | 1.97 | 4.84 | 3.39 | 1.98 | 8.93 | 2.58 | 2.03 | 5.62 | 2.03 | 1.44 | 3.71 | 40.32 |
| Milford | ..... | 3.55 | 2.20 | 1.65 | 2.04 | 4.05 | 6.20 | 1.45 | 3.85 | 1.64 | 3.17 | 2.90 | ..... |
| Montrose | 1.15 | 2.20 | 4.15 | 5.15 | 3.87 | 5.46 | 4.10 | 2.72 | 4.66 | 2.68 | 2.52 | 1.90 | 40.56 |
| Mosgrove | 4.58 | 2.48 | 3.66 | 3.61 | 2.65 | 5.26 | 1.22 | 3.01 | 2.87 | 1.33 | 2.48 | 3.15 | 36.30 |
| Mount Pocono | 1.44 | 4.10 | 2.87 | 5.31 | 5.99 | 9.26 | 7.56 | 1.18 | 5.93 | 3.92 | 7.97 | ..... | ..... |
| Muncy Valley | 2.28 | 2.50 | 3.37 | 4.82 | 3.62 | 5.59 | 4.85 | 1.54 | 4.37 | 3.15 | 2.63 | 1.95 | 40.67 |
| Neshaminy Falls | 1.43 | 2.91 | 3.20 | 3.52 | 2.51 | 3.73 | 4.43 | 1.30 | 3.81 | 1.53 | 1.85 | 5.02 | 35.24 |
| New Castle | 2.80 | 1.86 | 4.19 | 3.99 | 3.54 | 4.37 | 4.09 | 2.70 | 3.25 | 2.79 | 2.32 | 2.57 | 38.47 |
| Parkers Landing | 2.97 | 2.56 | 3.35 | 3.08 | 3.52 | 5.98 | 2.13 | 2.47 | 1.84 | 2.55 | 3.08 | 1.78 | 35.31 |
| Philadelphia (a) | 1.50 | 3.55 | 3.75 | 2.97 | 2.75 | 2.83 | 3.40 | 0.94 | 2.44 | 1.21 | 1.48 | 5.45 | 32.27 |
| Philadelphia (b) | 1.96 | 3.69 | 5.20 | 3.27 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Philadelphia (c) | 2.05 | 4.09 | 4.40 | 3.84 | 3.43 | 3.82 | 4.71 | 1.41 | 2.74 | 1.50 | 2.17 | 6.02 | 40.18 |
| Philadelphia (d) | 1.34 | 3.63 | 3.26 | 3.23 | 2.17 | ..... | 4.83 | 0.65 | 1.34 | 1.19 | 1.78 | 4.06 | ..... |
| Phœnixville | 1.40 | 3.87 | 3.53 | 2.71 | 2.16 | 3.59 | 7.22 | 1.83 | 3.33 | 1.38 | 1.99 | 5.05 | 38.06 |
| Pittsburgh | 3.51 | 2.61 | 3.63 | 2.54 | 2.33 | 3.82 | 3.88 | 4.73 | 1.63 | 2.31 | 1.86 | 2.01 | 34.86 |
| Pottstown | 1.47 | 3.57 | 3.22 | 2.78 | 2.17 | 3.65 | 5.10 | 1.61 | 1.97 | 1.40 | 1.81 | 4.16 | 32.91 |
| Pottsville | 1.39 | 3.18 | 4.06 | 3.29 | 3.10 | 6.94 | 7.52 | 2.04 | 5.82 | 2.07 | 2.61 | 3.79 | 45.81 |
| Punxsutawney | ..... | ..... | ..... | ..... | ..... | 6.03 | 4.83 | 7.08 | 3.64 | 3.26 | 3.10 | 2.46 | ..... |
| Quakertown | 0.63 | 2.71 | 3.65 | 3.67 | 2.82 | 5.02 | 6.72 | 1.94 | 3.93 | 1.88 | 2.23 | 4.49 | 39.69 |
| Reading | 1.73 | 3.64 | 3.93 | 3.97 | 2.82 | 4.51 | 12.41 | 1.56 | 2.62 | 1.24 | 1.95 | 4.07 | 44.45 |
| Renovo | 2.05 | 2.62 | 5.76 | 5.02 | 3.65 | 11.73 | 2.63 | 1.71 | 3.25 | 1.41 | 2.03 | 1.56 | 43.42 |
| Ridgway | 3.34 | 2.61 | 4.51 | 4.43 | 4.60 | 8.22 | 2.14 | 1.54 | 5.99 | 2.99 | 2.71 | 1.98 | 42.16 |
| Sadsburyville | 2.12 | 3.25 | 3.39 | 3.43 | 3.61 | 5.36 | 6.80 | 1.39 | 2.26 | 2.31 | 1.94 | 4.92 | 40.78 |
| Saegerstown | 3.69 | 2.36 | 4.23 | 4.55 | 4.37 | 4.00 | 2.36 | 1.81 | 3.87 | 3.60 | 3.20 | 3.83 | 41.87 |
| Saltsburg | 3.84 | 4.08 | 4.18 | 2.47 | 3.53 | 6.70 | 2.32 | 5.15 | 2.53 | 2.18 | 2.12 | 2.69 | 41.79 |
| Scranton | 2.07 | 4.48 | 5.74 | 4.19 | 3.04 | 4.68 | 2.29 | 0.67 | 4.35 | 0.91 | 2.01 | 3.26 | 37.69 |
| Selinsgrove | 1.26 | 2.35 | 4.39 | 4.80 | 2.63 | 7.42 | 3.83 | 1.57 | 7.01 | 1.74 | 1.42 | 2.93 | 41.35 |
| Sharon | 2.61 | 1.31 | 2.84 | 4.90 | 2.48 | 3.70 | 1.29 | 2.54 | 2.45 | 2.53 | 2.11 | 2.29 | 31.05 |
| Shawmont | 1.64 | 2.78 | 3.98 | 3.55 | 2.88 | 3.83 | 4.37 | 0.69 | 4.03 | 1.42 | 2.49 | 4.99 | 36.65 |
| Somerset | 4.46 | 4.73 | 8.84 | 4.77 | 3.78 | 8.40 | 2.78 | 5.17 | 4.24 | 2.30 | 2.46 | 3.80 | 55.73 |
| Springdale | 3.78 | 3.00 | 4.08 | 2.60 | 2.35 | 5.98 | 1.82 | 5.07 | 1.89 | 2.11 | 2.23 | 2.53 | 37.47 |
| State College | 2.51 | 2.05 | 4.37 | 3.59 | 3.20 | 11.02 | 2.52 | 1.87 | 4.96 | 2.08 | 1.87 | 2.04 | 42.08 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Pennsylvania*—Continued. | | | | | | | | | | | | | |
| Stroudsburg | 1.57 | 3.82 | 3.61 | 4.56 | 2.67 | 5.61 | 6.91 | 0.53 | 3.83 | 2.41 | 2.85 | 3.81 | 42.18 |
| Sunbury | 1.56 | 2.72 | 3.99 | 4.78 | 1.57 | 6.53 | 3.40 | 1.31 | 6.67 | 1.93 | 1.83 | 2.66 | 38.95 |
| Towanda | 0.79 | 2.49 | 3.08 | 4.20 | 3.32 | 5.35 | 3.75 | 2.19 | 4.00 | 1.52 | 1.46 | 1.31 | 33.46 |
| Uniontown | 4.41 | 5.84 | 5.39 | 2.73 | 2.59 | 5.38 | 2.40 | 5.51 | 3.93 | 2.65 | 2.96 | 2.99 | 46.78 |
| Vandergrift | 3.76 | 3.95 | 3.92 | 2.19 | 2.72 | 5.41 | 1.97 | 3.77 | 2.98 | 2.43 | 2.27 | 2.40 | 37.76 |
| Warren | 2.28 | 2.79 | 3.96 | 5.71 | 3.68 | 6.23 | 1.59 | 1.47 | 4.66 | 4.45 | 4.41 | 2.00 | 43.23 |
| Waterville | 2.30 | 2.70 | 6.00 | 4.20 | 2.90 | 8.10 | 2.48 | 1.62 | 4.63 | 2.11 | 1.68 | 1.85 | 40.57 |
| Weikert | 2.18 | 2.55 | 5.85 | 4.28 | 2.69 | 11.37 | 3.23 | 1.60 | 4.03 | 3.13 | 1.87 | 2.25 | 45.03 |
| Wellsboro | 0.84 | 1.34 | 3.40 | 4.24 | 4.33 | 8.40 | 2.28 | 1.84 | 4.50 | 2.44 | 1.82 | 0.59 | 36.02 |
| West Bingham | 2.75 | 2.38 | 2.85 | 5.76 | 3.62 | 8.97 | 0.87 | 1.90 | 3.58 | 2.14 | 2.19 | 1.16 | 38.17 |
| West Chester | 2.14 | 4.35 | 4.03 | 3.35 | 3.65 | 4.47 | 6.22 | 1.39 | 3.62 | 1.86 | 2.62 | 5.71 | 43.41 |
| West Newton | 3.85 | 5.07 | 5.09 | 3.48 | 3.94 | 5.16 | 1.94 | 6.79 | 2.34 | 2.64 | 2.16 | 2.64 | 45.10 |
| White Haven | 1.44 | 3.07 | 3.82 | 4.38 | 2.37 | 6.33 | 4.52 | 0.62 | 4.29 | 2.58 | 2.35 | 3.98 | 39.75 |
| Wilkes Barre | 1.11 | 2.60 | 2.98 | 3.84 | 2.93 | 5.78 | 5.01 | 0.74 | 6.32 | 0.88 | 2.00 | 2.10 | 36.79 |
| Williamsport | 1.94 | 2.81 | 5.34 | 5.43 | 4.23 | 10.32 | 4.23 | 1.29 | 4.82 | 2.37 | 1.34 | 2.04 | 46.16 |
| York | 2.00 | 2.72 | 3.30 | 2.00 | 2.16 | 4.36 | 7.82 | 2.81 | 4.49 | 1.78 | 1.32 | 3.28 | 38.04 |
| *Porto Rico.* | | | | | | | | | | | | | |
| Aibonito | 5.51 | 2.21 | 1.95 | 3.45 | 6.10 | 3.72 | 16.62 | 15.47 | 8.34 | 19.43 | 8.18 | 2.64 | 93.62 |
| Alto Bandera | 3.47 | 4.50 | 2.04 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Anasco | 1.14 | 4.13 | 2.90 | 5.17 | 13.33 | 10.65 | 8.85 | 11.07 | 7.98 | 11.57 | 5.83 | 0.00 | 82.62 |
| Arecibo | 8.95 | 3.77 | 0.70 | 1.05 | 10.95 | 4.06 | 4.15 | 7.58 | 5.18 | 7.22 | 14.55 | 2.90 | 71.06 |
| Bacupey | ..... | 9.63 | 3.05 | 6.69 | 22.35 | 11.44 | 10.63 | ..... | 12.95 | 8.22 | 6.14 | ..... | ..... |
| Barceloneta | 7.64 | 6.30 | 0.13 | 1.50 | 7.16 | 2.96 | 7.89 | 5.48 | 7.69 | 11.11 | 8.72 | 4.67 | 71.25 |
| Bayamon | 5.85 | 5.01 | 0.72 | 4.54 | 10.28 | 7.30 | 14.37 | 12.41 | 7.64 | 8.90 | 6.97 | 5.16 | 89.15 |
| Cabo Rojo | 1.05 | 2.20 | 3.01 | 6.11 | 3.25 | 4.91 | 8.43 | 8.86 | 6.47 | 12.88 | 4.18 | 0.36 | 61.71 |
| Caguas | 3.57 | 1.19 | 0.62 | 1.75 | 3.27 | 5.11 | 8.43 | 7.73 | 11.60 | 9.55 | 8.43 | 2.33 | 63.58 |
| Camuy | 5.38 | 5.62 | 0.25 | 1.63 | 6.13 | 3.06 | 3.03 | 8.76 | 3.04 | 4.15 | 11.22 | 2.52 | 54.79 |
| Cangrejo | 5.04 | 2.93 | 1.16 | 5.82 | 7.79 | 3.56 | 9.44 | 8.37 | 10.15 | 13.33 | 11.25 | 2.93 | 81.77 |
| Canovanas | 6.05 | 4.85 | 0.57 | 4.84 | 8.34 | 4.82 | 12.92 | 12.41 | 12.47 | 14.63 | 7.22 | 4.17 | 93.29 |
| Carite Camp | 2.69 | 1.69 | 2.14 | 3.05 | 7.10 | 7.29 | 15.99 | 16.17 | 7.25 | 19.09 | 18.47 | 1.31 | 102.24 |
| Cayey | 2.94 | 0.82 | 1.87 | 2.45 | 3.88 | 4.61 | 21.79 | 17.30 | 6.74 | 14.83 | 7.90 | 3.14 | 88.27 |
| Central Aguirre | 0.26 | 0.28 | 0.20 | 1.21 | 5.03 | 1.24 | 6.25 | 6.93 | 4.63 | 14.35 | 10.42 | 0.12 | 50.92 |
| Cepero | 6.74 | 5.13 | 0.88 | 5.51 | 18.25 | 6.25 | 12.34 | 11.65 | 9.15 | 9.90 | 8.00 | 6.27 | 100.07 |
| Coamo | ..... | ..... | 1.97 | 2.83 | 4.57 | 5.05 | 9.29 | 8.69 | 5.75 | 14.72 | 6.35 | ..... | ..... |
| Coloso | 3.19 | 3.45 | 1.00 | 2.82 | 12.12 | 11.92 | 8.20 | 10.22 | 6.31 | 9.39 | 7.27 | 0.71 | 76.60 |
| Comerio Falls | 10.88 | 3.37 | 2.95 | 3.06 | 7.67 | 2.87 | 10.20 | 12.20 | 6.86 | 10.26 | 7.94 | 6.30 | 84.56 |
| Corozal | 8.37 | 6.25 | 2.29 | 5.58 | 10.77 | 4.94 | 9.67 | 12.10 | 9.31 | 7.91 | 6.09 | 6.13 | 89.41 |
| Destino | 0.40 | 0.30 | 0.10 | 0.60 | 2.78 | 1.16 | 5.70 | 9.31 | 5.41 | 10.95 | 7.32 | 0.65 | 44.68 |
| Dorado | 6.02 | 4.93 | 0.14 | 2.53 | 4.77 | 9.11 | 14.55 | 14.59 | 14.13 | 6.33 | 8.94 | 4.69 | 90.73 |
| Fajardo | 3.60 | 3.19 | 0.63 | 3.43 | 5.40 | 5.31 | 11.74 | 11.22 | 13.68 | 9.98 | 10.21 | 2.87 | 81.76 |
| Guanica Centrale | T. | 0.00 | 1.91 | 3.15 | 2.74 | 3.25 | 3.56 | 6.93 | 4.66 | 12.64 | 2.78 | 1.34 | 42.91 |
| Guayama | 1.08 | 0.71 | 0.54 | 1.06 | 5.07 | 5.67 | 8.81 | 9.53 | 5.35 | 15.38 | 15.89 | 0.01 | 69.10 |
| Humacao | 2.71 | 2.16 | 2.08 | 2.34 | 6.81 | 8.04 | 11.39 | 12.77 | 8.73 | 19.39 | 11.43 | 1.67 | 89.52 |
| Inabon Falls | 6.50 | 9.00 | 7.00 | ..... | 26.50 | 11.10 | 30.00 | 12.50 | 18.75 | 21.00 | 8.75 | 3.00 | ..... |
| Isabela | 4.69 | 4.10 | 0.81 | 1.33 | 6.05 | 5.67 | 3.36 | 7.57 | 4.32 | 7.47 | 10.76 | 1.13 | 57.26 |
| Isidora | 0.14 | 0.18 | 0.26 | 0.22 | 3.21 | 0.68 | 4.27 | 7.46 | 5.13 | 14.18 | 8.91 | 0.08 | 44.72 |
| Isolina | 4.96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Jajome Alto | 3.96 | 2.75 | 4.45 | 5.34 | 7.95 | 7.11 | 18.35 | 11.63 | 6.89 | 21.81 | 16.10 | 2.01 | 108.35 |
| Jayuya | 9.08 | 4.01 | 3.23 | 7.17 | 10.58 | 8.41 | 22.26 | 15.70 | 9.87 | 11.14 | 3.44 | 2.48 | 107.37 |
| Josefa | 0.32 | 0.00 | 0.31 | 1.16 | 3.28 | 2.50 | 8.88 | 8.18 | 6.93 | 18.42 | 16.89 | 0.00 | 66.87 |
| Juana Diaz | 0.12 | 3.61 | 1.27 | 3.73 | 5.86 | 6.65 | 7.55 | 6.38 | 9.90 | 15.53 | 6.34 | 0.00 | 67.24 |
| Juncos | ..... | ..... | ..... | 2.26 | 4.01 | 10.60 | 21.81 | 14.94 | 14.47 | 14.76 | ..... | ..... | ..... |
| Lares | 3.75 | 6.91 | 2.67 | 5.92 | 22.77 | 15.35 | 12.37 | 10.08 | 9.39 | 9.15 | 7.33 | 1.44 | 107.13 |
| Las Marias | 1.30 | 4.75 | 2.40 | 4.95 | 14.10 | 20.55 | 7.30 | 8.20 | 17.95 | 18.50 | 5.55 | 0.75 | 106.30 |
| Manati | 9.98 | 4.19 | 1.30 | 3.72 | 11.83 | 4.64 | 10.04 | 7.48 | 11.87 | 7.29 | 7.73 | 6.28 | 86.35 |
| Maricao | 1.05 | 4.57 | 4.50 | 4.60 | 7.52 | 14.10 | 4.89 | 8.00 | ..... | ..... | 9.20 | 0.00 | ..... |
| Mayaguez | 0.87 | 2.80 | 1.70 | 6.00 | 8.20 | 7.50 | 15.30 | 13.50 | 10.60 | 10.73 | 4.44 | 0.03 | 81.67 |
| Naguabo | 4.30 | 3.48 | 1.73 | 3.30 | 7.17 | 5.30 | 9.58 | 9.75 | 13.70 | 18.87 | 10.11 | 2.94 | 90.23 |
| Patillas Dam | 1.84 | 1.89 | 0.55 | 1.27 | 6.13 | 7.22 | 10.13 | 11.46 | 5.97 | 18.36 | 17.58 | 0.51 | 82.91 |
| Penuelas | ..... | ..... | 2.16 | 2.94 | 3.73 | 8.22 | 7.33 | 7.35 | 2.97 | 8.88 | 2.55 | 1.67 | ..... |
| Ponce | 0.56 | 1.78 | 0.42 | 2.58 | 5.21 | 4.95 | 6.88 | 5.75 | 2.89 | 15.51 | 4.41 | 0.14 | 51.08 |
| Potala | 0.10 | 1.05 | 0.15 | 0.65 | 2.77 | 2.79 | 8.34 | 4.63 | 2.82 | 12.85 | 5.49 | 0.00 | 41.64 |
| Rio Blanco | 7.99 | 3.94 | 2.82 | 3.74 | 7.37 | 9.57 | 12.33 | ..... | 20.17 | 18.82 | 15.15 | 3.75 | ..... |
| Rio Grande (El Verde) | 41.04 | 12.18 | 3.09 | 10.54 | 9.02 | 6.93 | 22.99 | 22.99 | 10.22 | 21.39 | 12.26 | 3.56 | 176.21 |
| Rio Piedras | 6.08 | 4.17 | 1.69 | 3.58 | 14.16 | 6.17 | 10.55 | 10.33 | 10.87 | 8.96 | 6.49 | 5.45 | 91.50 |
| Sabana Grande | 3.70 | 3.25 | 3.85 | 5.84 | ..... | ..... | ..... | ..... | ..... | 7.66 | 5.60 | 0.90 | ..... |
| San German | 2.08 | 0.90 | 3.00 | 1.90 | 4.10 | ..... | 9.05 | 7.35 | 7.74 | 12.12 | 3.12 | 1.65 | ..... |
| San Juan | 3.79 | 1.66 | 0.47 | 3.61 | 3.97 | 3.94 | 8.44 | 7.58 | 8.52 | 9.62 | 8.15 | 1.69 | 61.44 |
| San Salvador | 3.59 | 4.96 | 3.98 | 9.17 | 7.00 | 10.42 | 22.01 | 11.40 | 8.07 | 10.55 | 3.08 | 1.29 | 95.52 |
| San Sebastian | 13.00 | 2.92 | ..... | ..... | ..... | 15.75 | 3.65 | ..... | ..... | ..... | ..... | ..... | ..... |
| Santa Isabel | 0.00 | 0.10 | 0.43 | 0.45 | 2.49 | 2.26 | 6.34 | 9.24 | 4.68 | 13.83 | 8.14 | 0.50 | 48.46 |
| Toro Negro Dam | 4.71 | 4.06 | 1.57 | 9.61 | 13.19 | 10.29 | 23.25 | 13.01 | 14.82 | 23.81 | 6.31 | 1.95 | 126.58 |
| Vieques | 1.81 | 1.35 | 0.80 | 1.49 | 3.08 | 2.65 | 7.16 | 9.46 | 7.96 | 17.11 | 4.78 | 0.76 | 58.41 |
| Yabucoa | 3.27 | 7.32 | 1.97 | 1.45 | 10.04 | 7.95 | 19.70 | ..... | 6.90 | 14.28 | 16.38 | 1.23 | ..... |
| *Rhode Island.* | | | | | | | | | | | | | |
| Block Island | 1.69 | 3.59 | 1.73 | 3.96 | 3.20 | 3.36 | 7.37 | 0.57 | 0.82 | 2.48 | 2.39 | 2.84 | 34.00 |
| Bristol | 1.11 | 6.28 | 3.01 | 3.93 | 4.16 | 3.62 | 10.40 | 1.45 | 1.24 | 2.52 | 2.54 | 2.71 | 43.97 |
| Kingston | 1.84 | 5.96 | 3.68 | 4.57 | 4.60 | 5.77 | 11.75 | 2.77 | 1.05 | 3.22 | 2.91 | 4.86 | 52.98 |
| Narragansett Pier | 1.66 | 5.45 | 2.71 | 3.95 | 3.49 | 4.73 | 16.69 | 1.50 | 1.65 | 2.78 | 2.52 | 3.25 | 44.38 |
| Providence | 1.35 | 4.34 | 2.46 | 2.89 | 3.85 | 4.20 | 6.37 | 0.78 | 0.86 | 2.39 | 1.92 | 3.68 | 34.44 |
| *South Carolina.* | | | | | | | | | | | | | |
| Aiken | 1.45 | 4.10 | 1.05 | 1.01 | 2.32 | 6.30 | 8.47 | 1.95 | 4.54 | 1.27 | 1.24 | 2.24 | 35.94 |
| Allendale | ..... | 2.77 | 2.30 | 1.47 | 0.95 | 4.13 | 13.75 | 1.22 | 1.63 | 2.55 | 1.09 | 2.11 | ..... |
| Anderson | 2.37 | 5.84 | 1.28 | 3.12 | 3.17 | 2.34 | 11.27 | 2.38 | 3.78 | 2.09 | 1.24 | 3.04 | 41.92 |
| Batesburg | 1.55 | 4.89 | 1.83 | 1.77 | 1.46 | 4.31 | 10.48 | 3.43 | 3.00 | 1.96 | 1.01 | 4.19 | 39.88 |
| Beaufort | 0.99 | 1.74 | 2.21 | ..... | 1.49 | ..... | ..... | ..... | ..... | ..... | ..... | 1.86 | ..... |
| Blackville | 1.57 | 2.45 | 1.47 | 1.53 | 0.78 | 5.05 | 13.63 | 2.79 | 2.05 | 2.01 | 1.07 | 2.60 | 37.00 |
| Blairs | 2.06 | 5.58 | 2.58 | 1.24 | 1.33 | 5.78 | 13.36 | 2.81 | 2.09 | 1.43 | 0.63 | 2.11 | 41.90 |
| Bowman | 1.23 | 2.90 | 2.06 | 3.14 | 0.92 | 3.72 | 14.88 | 4.08 | 3.66 | 2.59 | 1.50 | 1.21 | 42.79 |
| Calhoun Falls | 1.36 | 6.32 | 1.48 | 2.20 | 2.63 | 1.76 | 15.22 | 4.53 | 2.52 | 4.68 | 1.07 | 2.86 | 46.63 |
| Camden | 1.57 | 4.23 | 2.22 | 0.54 | 0.57 | 6.43 | 14.80 | 2.39 | 1.83 | 2.19 | 0.56 | 1.89 | 39.21 |
| Catawba | 1.82 | 5.78 | 2.00 | 1.82 | 1.58 | 3.92 | 15.55 | 2.94 | 1.43 | 1.35 | 0.70 | 2.37 | 41.26 |

*Monthly and annually precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *South Carolina*—Continued. | | | | | | | | | | | | | |
| Centenary | 1.43 | 3.05 | 1.94 | 1.27 | 3.22 | 3.00 | 16.23 | 3.04 | 4.38 | 6.96 | 1.77 | 2.51 | 48.80 |
| Chappells | 1.11 | 4.78 | 1.74 | 1.33 | 1.97 | 4.48 | 7.86 | 1.82 | 2.35 | 1.10 | 0.50 | 2.56 | 31.60 |
| Charleston | 1.34 | 1.47 | 1.96 | 2.35 | 1.22 | 9.75 | 11.61 | 3.10 | 2.76 | 4.37 | 1.11 | 1.47 | 42.51 |
| Cheraw | 1.92 | 3.47 | 2.27 | 2.37 | 2.29 | 8.46 | 15.87 | 1.85 | 1.25 | 2.85 | 0.99 | 1.99 | 45.58 |
| Clemson College | 3.00 | 5.87 | 1.58 | 3.04 | 4.60 | 4.85 | 8.46 | 2.31 | 2.04 | 2.48 | 1.87 | 4.08 | 44.18 |
| Columbia | 1.32 | 3.76 | 1.98 | 1.11 | 0.58 | 4.15 | 7.58 | 4.87 | 2.23 | 1.33 | 0.56 | 1.40 | 30.87 |
| Conway | 1.61 | 3.51 | 2.96 | 1.45 | 5.16 | 5.21 | 13.23 | 3.42 | 2.31 | 5.10 | 1.30 | 1.58 | 46.84 |
| Darlington | 1.77 | 2.67 | 2.06 | 0.73 | 2.39 | 5.61 | 19.83 | 1.52 | 0.90 | 2.18 | 0.69 | 0.84 | 40.59 |
| Dillon | 1.62 | 2.36 | 3.14 | 2.15 | 3.12 | 4.97 | 13.79 | 3.29 | 4.52 | 2.03 | ..... | ..... | ..... |
| Edgefield | 0.65 | 4.89 | 1.61 | 1.08 | 1.98 | 4.78 | 5.73 | 2.15 | 1.40 | 0.88 | 1.25 | 2.38 | 28.78 |
| Edisto | 1.21 | 2.25 | 2.46 | 1.42 | 1.47 | 3.77 | 14.41 | 5.34 | 1.04 | 2.86 | 0.65 | 2.83 | 39.71 |
| Effingham | 1.78 | 3.65 | 1.99 | 1.01 | 3.86 | 3.64 | 24.95 | 2.37 | 6.97 | 2.07 | 1.02 | 2.54 | 55.85 |
| Ferguson | 1.05 | 1.93 | 3.12 | 1.89 | 1.05 | 5.25 | 27.33 | 3.29 | 1.90 | 4.77 | 1.39 | 1.62 | 54.59 |
| Florence (No. 1) | 1.38 | 4.71 | 2.57 | 1.08 | 2.85 | 3.76 | 18.05 | 3.38 | 2.78 | 2.27 | 0.66 | 2.63 | 46.12 |
| Florence (No. 2) | 2.01 | 3.03 | 2.26 | 1.04 | 2.25 | 3.67 | 20.27 | 3.53 | 2.25 | 2.60 | 0.90 | 2.35 | 46.16 |
| Gaston Shoals | 1.51 | 5.98 | 1.37 | 1.95 | 5.06 | 6.99 | 17.65 | 2.14 | 2.23 | 2.91 | 0.67 | 2.78 | 51.24 |
| Georgetown | 1.25 | 1.00 | 5.57 | 1.80 | 2.90 | 9.19 | 20.25 | 2.60 | 0.50 | 4.23 | 1.23 | 1.92 | 52.44 |
| Greenville | 3.10 | 5.96 | 1.29 | 2.41 | 4.59 | 3.75 | 12.12 | 1.25 | 2.63 | 1.58 | 2.01 | 3.23 | 43.92 |
| Greenwood | 1.81 | 6.37 | 1.39 | 1.24 | 1.80 | 3.63 | 10.79 | 2.50 | 3.56 | 1.45 | 1.03 | 2.69 | 38.26 |
| Heath Spring | 2.39 | 3.57 | 1.90 | 1.17 | 1.10 | 4.04 | 11.79 | 2.93 | 1.21 | 1.82 | 0.51 | 2.17 | 34.60 |
| Kershaw | ..... | ..... | ..... | ..... | 0.93 | 9.19 | 10.79 | 2.81 | 1.86 | 1.70 | 0.52 | 2.27 | ..... |
| Kingstree | 1.16 | 2.77 | 1.72 | 1.63 | 1.92 | 4.57 | 31.13 | 3.56 | 5.73 | 4.55 | 1.20 | 2.24 | 62.18 |
| Landrum | 3.78 | 5.95 | 2.96 | 2.92 | 7.07 | 4.43 | 20.80 | 1.53 | 1.74 | 3.14 | 1.94 | 3.24 | 59.50 |
| Liberty | 3.05 | 5.09 | 3.50 | 3.10 | 3.24 | 4.29 | 10.69 | 2.64 | 3.66 | 1.56 | 2.02 | 3.98 | 46.82 |
| Little Mountain | 1.63 | 4.45 | 2.02 | 1.48 | 2.06 | 3.23 | 13.03 | 1.59 | 3.15 | 1.36 | 0.87 | 1.53 | 36.40 |
| Mayesville (near) | 1.80 | 3.51 | 1.88 | 1.58 | 2.86 | 2.63 | 19.24 | 1.15 | 4.74 | 3.16 | 1.48 | 2.41 | 46.44 |
| Meriwether | 1.45 | 5.21 | 0.82 | 1.40 | 3.01 | 3.31 | 9.08 | 1.43 | 2.90 | 1.15 | 1.16 | 2.24 | 33.16 |
| Monetta | 1.53 | 5.30 | 1.56 | 1.78 | 1.53 | 6.90 | 8.03 | 4.29 | 2.54 | 1.46 | 1.17 | 2.49 | 38.58 |
| Mountain Rest | 3.82 | 5.48 | 1.97 | 3.08 | 7.36 | 7.12 | 24.45 | 6.59 | 4.11 | 2.41 | 3.23 | 4.76 | 74.38 |
| Newberry | 1.87 | 5.89 | 2.00 | 1.41 | 1.67 | 5.86 | 12.22 | 3.16 | 1.67 | 1.75 | 0.79 | 2.13 | 40.42 |
| Oaks | 1.82 | 2.33 | 2.92 | 1.17 | 2.11 | 6.54 | 16.80 | 3.21 | 3.17 | 1.69 | 1.21 | 1.87 | 44.84 |
| Orangeburg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.51 | 0.77 | 2.53 | ..... |
| Pelzer | 2.34 | 6.86 | 1.62 | 1.92 | 3.90 | 2.52 | 12.04 | 3.00 | 3.16 | 1.90 | 1.46 | 3.32 | 44.04 |
| Pinopolis | 1.67 | 2.27 | 3.11 | 1.81 | 2.03 | 7.81 | 21.22 | 10.91 | 1.30 | 4.27 | 2.65 | 2.94 | 61.99 |
| Rimini | 1.34 | 3.15 | 1.35 | 2.05 | 1.37 | 4.12 | 14.22 | 6.22 | 1.47 | 2.38 | 1.05 | 2.28 | 41.00 |
| St. George | 1.07 | 2.41 | 2.63 | 2.08 | 0.77 | 4.80 | 21.89 | 6.31 | 1.49 | 3.06 | 1.32 | 1.96 | 49.79 |
| St. Matthews | 1.45 | 3.10 | 1.50 | 1.85 | 0.83 | 5.76 | 10.26 | 4.53 | 1.33 | 2.02 | 1.47 | 2.40 | 36.50 |
| Saluda | 1.95 | 4.57 | 1.64 | 1.72 | 2.11 | 4.69 | 7.79 | 3.70 | 3.75 | 1.37 | 1.18 | 2.20 | 36.67 |
| Santuck | 2.36 | 5.65 | 2.80 | 1.88 | 2.83 | 3.59 | 10.23 | 2.17 | 1.61 | 1.82 | 0.68 | 2.16 | 37.78 |
| Smiths Mills | 1.49 | 2.86 | 2.71 | 1.35 | 3.89 | 5.03 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Society Hill | 1.67 | 3.04 | 2.31 | 1.09 | 1.47 | 6.97 | 19.43 | 2.19 | 2.85 | 2.25 | 1.72 | 1.85 | 46.84 |
| Spartanburg | 1.62 | 5.28 | 1.75 | 2.72 | 4.71 | 4.29 | 15.48 | 1.25 | 2.63 | 2.56 | 1.17 | 2.90 | 46.36 |
| Summerville | 1.89 | 2.56 | 2.81 | 2.33 | 2.96 | 9.15 | 17.50 | 2.79 | 1.76 | 4.40 | 1.38 | 2.01 | 51.54 |
| Trenton | 1.77 | 5.87 | 2.25 | 1.17 | 1.87 | 3.97 | 7.91 | 2.23 | 2.93 | 1.22 | 1.67 | 2.62 | 35.48 |
| Walhalla | ..... | ..... | ..... | ..... | 4.29 | 4.57 | 14.53 | 5.82 | 2.97 | 2.58 | 2.38 | 4.53 | ..... |
| Walterboro | 1.77 | 1.55 | 2.13 | 2.75 | 1.14 | 4.54 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Whitehall (near) | ..... | ..... | ..... | 2.78 | 2.20 | 6.62 | ..... | 5.96 | 3.27 | 3.27 | 1.65 | ..... | ..... |
| White Oak | ..... | ..... | 2.34 | 0.90 | 1.07 | 4.67 | 16.05 | 2.36 | 1.65 | 1.60 | 0.55 | 1.73 | ..... |
| Winthrop College | 1.41 | 3.79 | 1.23 | 1.92 | 2.83 | 7.57 | 15.65 | 4.13 | 0.79 | 2.51 | 0.50 | 1.50 | 43.83 |
| Yemassee | 1.60 | 1.97 | 2.05 | 2.50 | 1.38 | 7.01 | 13.08 | 5.50 | 2.24 | 4.01 | 1.74 | 2.13 | 45.21 |
| *South Dakota.* | | | | | | | | | | | | | |
| Aberdeen | 2.25 | 0.65 | 2.40 | 2.15 | 6.48 | 5.24 | 5.76 | 5.15 | 4.15 | 0.30 | 0.30 | 2.05 | 36.88 |
| Academy | 0.64 | 0.15 | 0.60 | 2.03 | 4.01 | 3.78 | 2.09 | 2.97 | 1.21 | 0.68 | 0.30 | 0.67 | 19.13 |
| Alexandria | 1.74 | 0.28 | 0.64 | 2.22 | 4.45 | 2.46 | 0.25 | 2.42 | 1.54 | 0.20 | 0.05 | 0.50 | 16.75 |
| Ardmore | 0.25 | 0.35 | 0.54 | 1.04 | 3.71 | 2.58 | 1.80 | 1.90 | 0.02 | 0.85 | 0.39 | 0.14 | 13.57 |
| Armour | 1.38 | 0.25 | 0.32 | 2.58 | 3.69 | 3.68 | 0.41 | 2.50 | 0.83 | 0.79 | 0.37 | 0.55 | 17.35 |
| Bellefourche | 0.30 | 0.38 | 1.72 | 1.37 | 3.31 | 2.63 | 1.50 | 1.75 | 0.00 | 1.00 | 0.28 | 0.90 | 15.14 |
| Bison | ..... | ..... | ..... | ..... | 3.71 | 3.18 | 2.27 | 2.42 | 0.76 | 0.56 | 0.62 | 1.10 | ..... |
| Britton | 2.65 | 0.20 | 1.20 | 2.17 | 6.03 | 6.40 | 7.25 | 5.45 | 2.64 | T. | 0.10 | 1.50 | 35.59 |
| Brookings | 1.47 | 0.32 | 0.50 | 2.95 | 3.70 | 4.27 | 0.40 | 2.03 | 0.84 | 0.45 | 0.03 | 0.36 | 17.32 |
| Bryant | 1.38 | 0.51 | 0.81 | 2.14 | 5.69 | 4.28 | 2.37 | 5.34 | 1.23 | 0.64 | T. | 0.44 | 24.83 |
| Camp Crook | 0.66 | 0.47 | ..... | ..... | 3.05 | 2.02 | 0.85 | 1.08 | 0.31 | 0.30 | 0.17 | 0.73 | ..... |
| Canton | ..... | 0.40 | 0.68 | 2.07 | 4.66 | 4.44 | 3.22 | 2.36 | 1.45 | 0.75 | 0.25 | 0.40 | ..... |
| Castlewood | 0.77 | 0.22 | 0.80 | 1.68 | 3.98 | 3.65 | 2.39 | 7.22 | 0.89 | 0.67 | 0.02 | 0.09 | 22.38 |
| Cedar Canyon | ..... | 0.10 | 2.63 | 0.21 | 2.82 | 3.55 | 1.82 | 1.47 | 0.05 | 1.40 | 0.15 | 1.20 | ..... |
| Centerville | 1.10 | 0.49 | 0.62 | 1.95 | 5.09 | 4.21 | 3.85 | 1.48 | 2.29 | 0.83 | 0.37 | 0.55 | 22.83 |
| Chamberlain | 1.64 | 0.13 | 0.20 | 1.31 | 4.18 | 2.32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Clark | 2.20 | 0.82 | 1.38 | 1.53 | 5.77 | 3.61 | 3.05 | 9.62 | 1.49 | 0.99 | ..... | 1.37 | ..... |
| Cottonwood | 0.40 | 0.02 | 0.29 | 0.82 | 3.87 | 1.83 | 1.80 | 2.22 | 0.18 | 0.57 | 0.15 | 0.14 | 12.29 |
| Crow Creek | ..... | ..... | ..... | 1.00 | 3.69 | 4.73 | 1.98 | 4.23 | ..... | 0.47 | ..... | 0.55 | ..... |
| Custer | 0.80 | 0.25 | 0.70 | 0.45 | 1.14 | 1.45 | 1.96 | 1.15 | 0.06 | 0.66 | 0.40 | 0.25 | 9.27 |
| Daviston | ..... | 0.40 | 2.50 | 0.70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Deadwood | 0.36 | 1.00 | 4.45 | 2.70 | 5.55 | 3.40 | 3.30 | 3.45 | 0.55 | 1.75 | 0.85 | 2.40 | 29.36 |
| Deerfield | 0.43 | 0.63 | 1.34 | 1.20 | 1.84 | 4.83 | 1.29 | 2.95 | 0.20 | 0.89 | 0.37 | 0.82 | 16.79 |
| De Smet | ..... | 0.04 | ..... | ..... | ..... | ..... | ..... | ..... | 0.73 | 1.90 | T. | ..... | ..... |
| Dowling | 0.90 | 0.30 | 1.67 | 1.70 | 4.12 | 3.16 | 3.52 | 4.42 | 0.15 | 0.47 | 0.50 | 1.00 | 21.91 |
| Dumont | 0.33 | 1.02 | 2.39 | 2.17 | 2.58 | 3.30 | 2.43 | 2.97 | 0.32 | 1.34 | 1.23 | 2.05 | 22.13 |
| Eagle Butte | ..... | ..... | ..... | 0.81 | 5.24 | 4.64 | 3.57 | 4.10 | 0.47 | 0.29 | 0.32 | 0.16 | ..... |
| Eales | 1.50 | 1.19 | 1.97 | 1.11 | 4.37 | 3.32 | 3.13 | 4.73 | 0.60 | 0.15 | 0.07 | 1.23 | 23.37 |
| Elk Mountain | 0.65 | 0.70 | 1.03 | 1.10 | 1.56 | 2.23 | 1.26 | 1.68 | 0.45 | 0.89 | 0.38 | 0.18 | 12.11 |
| Ellingson | 0.70 | ..... | 1.17 | 2.25 | 1.86 | 2.95 | 2.14 | ..... | ..... | 0.12 | ..... | 0.60 | ..... |
| Eureka | 0.79 | 0.13 | 1.78 | 0.88 | 3.59 | 4.16 | 3.70 | 4.62 | 1.05 | 0.29 | 0.23 | 0.06 | 21.28 |
| Fairfax | 0.93 | 0.11 | 0.30 | 1.38 | 4.09 | 3.30 | 0.96 | 2.47 | 0.38 | 0.24 | 0.55 | 0.49 | 15.70 |
| Faulkton | 1.44 | 0.71 | 1.62 | 1.45 | 6.07 | 2.48 | 2.43 | 4.40 | 1.34 | 0.52 | T. | 1.39 | 23.85 |
| Flandreau | 1.61 | 0.16 | 1.06 | 4.26 | 3.03 | 5.16 | 1.81 | 1.51 | 0.89 | 1.31 | 0.05 | 0.27 | 22.02 |
| Forestburg | 1.82 | 0.10 | 0.99 | 1.20 | 5.30 | 4.16 | 1.14 | 1.76 | 1.19 | 0.84 | 0.05 | 0.42 | 18.97 |
| Fort Meade | 0.90 | 0.22 | 4.75 | 1.50 | 4.12 | 2.90 | 5.32 | 2.55 | 0.10 | 0.97 | 0.82 | 0.97 | 25.12 |
| Gann Valley | ..... | ..... | ..... | 0.93 | 3.70 | 3.97 | 3.66 | 4.17 | 1.10 | 0.56 | 0.10 | 0.51 | ..... |
| Goldfield | 1.69 | 0.47 | 3.70 | ..... | 6.01 | 7.97 | 3.76 | ..... | 0.20 | ..... | 0.71 | 1.65 | ..... |
| Gooby | 1.31 | 0.15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Greenmont | 0.28 | 0.66 | 2.65 | 2.20 | 4.28 | 2.75 | 2.76 | 2.72 | 0.25 | 1.38 | 0.98 | 1.36 | 22.37 |
| Greenwood | 1.39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hardingrove | 0.27 | 0.11 | 1.52 | 1.09 | 8.05 | 4.21 | 3.09 | 4.72 | T. | 0.89 | 0.33 | 0.52 | 25.40 |
| Hardy Ranger Station | ..... | ..... | ..... | 1.20 | 1.44 | 2.71 | 2.26 | 2.88 | 0.92 | 1.79 | 1.53 | 2.15 | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *South Dakota*—Continued. | | | | | | | | | | | | | |
| Harveys Ranch | 0.87 | 1.35 | 1.20 | 1.85 | 4.90 | 2.95 | 2.58 | 4.59 | 0.20 | 0.50 | 0.40 | 1.70 | 23.09 |
| Hermosa | 0.52 | 0.30 | 0.88 | 1.39 | 3.83 | 2.25 | 1.12 | 1.96 | 0.10 | 0.43 | 0.32 | 0.31 | 13.41 |
| Highmore | 1.40 | 0.27 | 0.74 | 0.89 | 4.15 | 4.54 | 2.00 | 4.10 | 2.75 | 0.58 | 0.13 | 0.47 | 22.02 |
| Hopewell | 1.40 | 0.35 | 0.99 | 1.00 | 4.93 | 3.88 | 1.84 | 4.27 | 1.49 | 0.10 | 0.25 | 0.90 | 21.40 |
| Hot Springs | 0.22 | 0.22 | 1.32 | 2.48 | 2.96 | 3.61 | 1.01 | 2.63 | 0.15 | 0.90 | 0.50 | 0.25 | 16.25 |
| Howard | 1.71 | ..... | 0.55 | 1.82 | 4.97 | 3.05 | 0.57 | 2.69 | 2.14 | 0.39 | ..... | ..... | ..... |
| Howell | 0.92 | 0.28 | 0.81 | 0.78 | 3.62 | 2.59 | 1.39 | 6.13 | 1.04 | 0.64 | 0.06 | 0.58 | 18.84 |
| Huron | 2.00 | 0.55 | 0.89 | 1.16 | 3.83 | 3.51 | 1.56 | 5.70 | 1.78 | 0.49 | 0.05 | 1.14 | 22.66 |
| Interior | ..... | T. | 0.27 | 0.61 | 3.43 | 2.58 | 2.53 | 1.40 | 0.13 | 0.35 | 0.30 | 0.30 | ..... |
| Ipswich | 0.95 | 0.43 | 1.53 | 1.28 | 5.62 | 4.19 | 4.91 | 3.93 | 2.29 | 0.19 | 0.09 | 0.71 | 26.12 |
| Jefferson | 2.64 | 0.59 | 4.28 | 2.03 | 3.27 | 3.29 | 2.16 | 2.23 | 0.10 | 1.03 | 0.90 | 1.08 | 23.60 |
| Kadoka | 0.82 | 0.21 | 0.44 | 1.22 | 4.55 | 2.44 | 1.48 | 1.65 | 0.22 | 0.46 | 0.32 | 0.20 | 14.01 |
| Kennebec | 2.45 | 0.50 | 0.68 | 1.17 | 3.56 | 2.24 | 1.67 | 2.53 | 1.65 | 1.07 | 0.25 | 0.90 | 18.07 |
| Kimball | ..... | ..... | ..... | ..... | 3.81 | 4.92 | 1.94 | 4.03 | 1.80 | 0.13 | T. | ..... | ..... |
| La Delle | 1.14 | 0.11 | 1.34 | 1.66 | 7.01 | 4.71 | 3.06 | 7.21 | 0.30 | 0.20 | T. | 0.79 | 27.53 |
| Lead | 0.43 | 0.82 | 4.79 | 2.31 | 5.49 | 3.12 | 2.28 | 2.61 | 0.54 | 1.44 | 1.28 | 1.95 | 27.06 |
| Lemmon | ..... | ..... | ..... | ..... | ..... | 2.92 | 1.46 | 1.99 | 0.75 | 0.13 | 0.08 | 1.20 | ..... |
| McIntosh | 1.10 | 0.60 | 1.03 | 1.66 | 4.75 | 2.13 | 1.20 | 3.29 | 1.10 | 0.27 | 0.11 | 0.95 | 18.19 |
| Marion | 1.41 | 0.15 | 0.74 | 2.51 | 4.25 | 5.01 | 3.20 | 1.34 | 2.02 | 0.87 | 0.09 | 0.42 | 22.01 |
| Marston | 1.51 | 0.49 | 0.67 | 0.88 | 3.29 | 3.37 | 2.30 | 4.85 | 1.13 | 0.67 | 0.14 | 0.91 | 20.21 |
| Meadow | 0.35 | 0.45 | 2.38 | 1.10 | 3.66 | 3.01 | 1.94 | 2.30 | 0.57 | 0.56 | 0.38 | 0.80 | 17.50 |
| Mellette | 2.00 | 1.20 | 0.59 | 1.42 | 5.03 | 2.89 | 2.39 | 6.57 | 1.40 | 0.49 | 1.00 | 2.10 | 27.08 |
| Menno | 1.40 | 0.50 | 0.17 | 2.10 | 4.10 | 5.39 | 3.39 | 1.76 | 1.63 | 0.70 | 0.45 | 0.50 | 22.09 |
| Milbank | 2.85 | 0.39 | 1.20 | 2.72 | 4.07 | 5.04 | 1.42 | 5.18 | 1.80 | 0.67 | 0.10 | 0.72 | 26.16 |
| Mitchell | 1.55 | 0.10 | 1.09 | 2.18 | 5.40 | 3.39 | 0.96 | 2.84 | 1.79 | 0.43 | 0.25 | 0.32 | 20.30 |
| Mobridge | 1.30 | 0.28 | 1.25 | ..... | 3.00 | 2.64 | 3.39 | 4.37 | 0.77 | 0.29 | 0.07 | 0.57 | ..... |
| Murdo | ..... | 0.20 | 0.05 | 1.85 | 2.51 | 3.17 | 0.98 | 3.08 | 0.00 | 0.65 | 0.35 | 0.70 | ..... |
| Oelrichs | 0.50 | 0.60 | 0.81 | 0.35 | 4.38 | 3.90 | 2.07 | 2.13 | T. | 0.75 | 1.25 | 0.20 | 16.94 |
| Onaka | 1.60 | 0.88 | 1.74 | 1.62 | 6.21 | 3.84 | 2.51 | 4.67 | 2.71 | 0.10 | 0.15 | 1.10 | 27.13 |
| Onida | 0.69 | 0.28 | 0.95 | 1.07 | 3.66 | 3.27 | 2.52 | 4.16 | 1.26 | 0.56 | 0.14 | 0.39 | 18.95 |
| Orman | 0.36 | 0.27 | 1.43 | 0.73 | 3.42 | 2.93 | 1.69 | 1.31 | 0.11 | 1.24 | 0.71 | 0.50 | 14.70 |
| Ottumwa | 1.00 | 0.30 | ..... | 1.78 | ..... | 3.13 | ..... | 4.86 | 0.00 | 0.85 | 0.20 | 0.90 | ..... |
| Parkston | 0.85 | 0.34 | 0.59 | 2.02 | 3.05 | 4.21 | 0.80 | 1.45 | 0.86 | ..... | 0.12 | 0.57 | ..... |
| Pearl Creek | 1.29 | ..... | ..... | 0.96 | 4.45 | 1.88 | 2.99 | 3.76 | 1.07 | 0.40 | 0.03 | 0.38 | ..... |
| Pierre | 1.06 | 0.31 | 0.38 | 1.06 | 5.81 | 2.33 | 2.50 | 4.65 | 1.06 | 0.67 | 0.08 | 0.61 | 20.52 |
| Pine Ridge | 0.18 | 0.19 | 0.73 | 1.29 | 4.25 | 3.84 | 3.03 | 1.01 | 0.37 | 0.94 | 0.38 | 0.23 | 16.44 |
| Pollock | 1.04 | 0.56 | 1.71 | 1.44 | 4.16 | 3.25 | 3.10 | 3.23 | 1.33 | 0.40 | 0.20 | 1.20 | 21.62 |
| Rapid City | 0.57 | 0.44 | 1.02 | 1.24 | 4.75 | 2.30 | 1.42 | 2.36 | 0.07 | 0.52 | 0.51 | 0.75 | 15.95 |
| Redfield | 1.15 | 0.47 | 1.16 | 1.11 | 5.13 | 3.56 | 2.01 | 5.19 | 1.42 | 0.55 | T. | 2.12 | 23.87 |
| Redig | 1.23 | 0.65 | 2.10 | 1.81 | 2.64 | 2.58 | 0.69 | 1.38 | 0.23 | 0.68 | 0.19 | 0.96 | 15.15 |
| Rochford | 0.45 | 0.60 | 1.69 | 1.80 | 2.67 | 2.75 | 2.44 | 3.69 | 0.10 | 1.08 | 0.16 | 0.88 | 18.31 |
| Rosebud Agency | ..... | 0.02 | 2.50 | 0.99 | 2.89 | 5.99 | 2.96 | 2.73 | 0.32 | 0.78 | 0.40 | 0.78 | ..... |
| Roslyn | 1.88 | 0.12 | 1.34 | 1.88 | 5.36 | 3.84 | 5.02 | 6.37 | 1.72 | 0.44 | 0.04 | 0.90 | 28.91 |
| Sioux Falls | 1.88 | 0.25 | 0.43 | 3.50 | 4.53 | 3.44 | 2.75 | 1.83 | 2.25 | 0.65 | 0.27 | 0.48 | 22.26 |
| Spearfish | 0.23 | 0.25 | 1.59 | 1.23 | 3.48 | 2.70 | 4.31 | 2.93 | 0.12 | 2.11 | 0.64 | 0.82 | 20.41 |
| Stephan | 1.00 | 0.60 | 0.49 | 0.96 | 3.90 | 6.19 | 2.42 | 2.77 | 1.65 | 0.20 | T. | 1.10 | 21.28 |
| Timber Lake | 4.21 | 0.86 | 2.43 | 2.57 | 6.50 | 3.98 | 2.17 | 5.53 | ..... | 1.50 | 0.01 | 1.38 | ..... |
| Tyndall | 0.97 | 0.15 | 0.12 | 2.47 | 4.58 | 2.80 | 5.43 | 1.64 | 1.93 | 0.76 | 0.20 | 0.35 | 21.40 |
| Vale | 0.15 | 0.21 | 1.29 | 1.10 | 4.08 | 3.69 | 1.26 | 2.04 | 0.18 | 0.76 | 0.33 | 0.69 | 15.78 |
| Vermillion | 1.65 | 0.45 | 0.86 | 3.06 | 4.47 | 3.46 | 4.11 | 1.25 | 3.02 | 1.07 | 0.84 | 1.05 | 25.29 |
| Vivian | 1.15 | 0.04 | 0.29 | 1.08 | 3.46 | 3.49 | 3.53 | 3.52 | 0.90 | 0.57 | 0.12 | 0.30 | 18.45 |
| Wagner | ..... | ..... | 0.13 | 1.71 | 3.10 | 2.85 | 1.22 | 1.56 | 1.64 | 0.47 | 0.12 | 0.33 | ..... |
| Waters Ranch | 0.51 | 0.65 | 2.47 | 2.35 | 4.78 | 2.67 | 3.65 | 2.94 | 0.13 | 2.30 | 0.86 | 0.96 | 24.27 |
| Watertown | 1.85 | 0.69 | 1.09 | 1.53 | 3.62 | 4.40 | 3.06 | 7.40 | 1.25 | 0.37 | 0.02 | 0.65 | 25.93 |
| Wentworth | 1.94 | 0.43 | 1.25 | 2.82 | 4.83 | 6.45 | 1.40 | 2.16 | 1.51 | 1.19 | 0.17 | 0.40 | 24.55 |
| White Lake | 1.01 | 0.23 | 0.45 | 1.14 | 4.35 | 2.65 | 1.55 | 3.40 | 1.86 | 0.15 | T. | ..... | ..... |
| Winner | ..... | T. | ..... | 1.05 | 2.30 | 4.16 | 2.13 | 2.87 | 0.93 | 0.48 | ..... | ..... | ..... |
| Wood | 1.26 | 0.14 | 0.68 | 0.71 | 3.05 | 5.01 | 2.25 | 3.50 | 0.37 | 1.21 | 0.25 | 0.58 | 19.01 |
| Wososo | 1.60 | 0.30 | 0.94 | 0.93 | 2.62 | 2.62 | 0.30 | 3.15 | 0.12 | 1.10 | 0.50 | 0.95 | 15.13 |
| Yankton | 1.48 | 0.29 | 0.65 | 1.74 | 3.35 | 4.68 | 3.83 | 1.70 | 2.89 | 0.91 | 0.39 | 0.49 | 22.40 |
| *Tennessee.* | | | | | | | | | | | | | |
| Arlington | 7.90 | 1.72 | 2.22 | 2.87 | 4.02 | 7.23 | 3.88 | 5.76 | 1.47 | 2.27 | 1.52 | 3.05 | 43.90 |
| Ashwood | 5.88 | 2.58 | 3.32 | 2.48 | 4.05 | 6.43 | 6.65 | 2.60 | 0.95 | 2.73 | 1.22 | 3.30 | 42.19 |
| Bluff City | 5.06 | 4.75 | 3.69 | 2.57 | 2.38 | 4.20 | 7.38 | 8.31 | 2.09 | 1.83 | 1.94 | 3.49 | 47.69 |
| Bolivar | 6.89 | 2.77 | 4.26 | 2.79 | 5.12 | 1.76 | 10.62 | 2.22 | 0.81 | 2.28 | 1.43 | 5.70 | 46.65 |
| Brownsville | 8.98 | 1.92 | 2.01 | 2.03 | 5.85 | 4.04 | 1.60 | 3.24 | 2.76 | 2.01 | 1.15 | 4.01 | 39.60 |
| Byrdstown | 7.65 | 2.41 | 3.07 | 2.50 | 3.96 | 5.20 | 8.94 | 8.93 | 2.80 | 3.50 | 1.63 | 4.90 | 55.49 |
| Carthage | 7.00 | 2.24 | 4.15 | 2.82 | 4.66 | 5.25 | 11.93 | 6.40 | 4.88 | 2.33 | 1.67 | 4.90 | 58.23 |
| Cedar Hill | 11.94 | 1.98 | 3.60 | 3.00 | 6.88 | 5.97 | 10.53 | 4.87 | 4.14 | 3.38 | 1.27 | 5.17 | 62.73 |
| Celina | 7.47 | 2.90 | 3.29 | 2.40 | 5.32 | 4.67 | 9.01 | 5.68 | 3.25 | 2.24 | 1.44 | 4.52 | 52.19 |
| Charleston | 5.23 | 4.62 | 2.15 | 2.20 | 3.93 | 4.76 | 8.75 | 3.02 | 3.11 | 3.80 | 3.21 | 4.29 | 49.07 |
| Chattanooga | 4.75 | 2.63 | 2.47 | 2.55 | 3.45 | 5.06 | 13.49 | 1.41 | 1.62 | 4.12 | 2.93 | 4.22 | 48.72 |
| Clarksville | 9.15 | 1.52 | 3.13 | 2.81 | 7.28 | 5.33 | 4.08 | 1.23 | 4.35 | 2.84 | 1.02 | 3.67 | 46.41 |
| Clinton | 4.56 | 3.66 | 2.92 | 2.26 | 3.61 | 8.01 | 7.95 | 7.58 | 3.75 | 3.55 | 2.68 | 4.83 | 55.36 |
| Cookeville | 9.64 | 2.34 | 3.88 | 3.38 | 5.04 | 6.19 | 9.37 | 3.55 | 2.62 | 2.82 | 1.90 | 5.32 | 56.04 |
| Copperhill | ..... | ..... | ..... | ..... | ..... | 6.31 | 9.15 | 5.56 | 1.91 | 3.25 | 3.33 | 3.55 | ..... |
| Covington | 10.48 | 1.78 | 1.67 | 2.98 | 5.83 | 4.15 | 1.56 | 4.78 | 1.50 | 2.36 | 1.64 | 4.53 | 43.31 |
| Crossville (near) | 8.95 | 2.44 | 2.84 | 3.55 | 4.85 | 7.84 | 9.60 | 2.90 | 3.56 | 4.18 | 1.61 | 5.21 | 57.53 |
| Dandridge | 5.50 | 5.66 | 3.54 | 2.32 | 4.10 | 4.64 | 6.40 | 6.48 | 1.58 | 1.76 | 2.60 | 4.49 | 49.07 |
| Decatur | 6.09 | 3.15 | 2.60 | 3.41 | 3.77 | 5.75 | 8.39 | 5.88 | 3.58 | 3.59 | 2.95 | 3.69 | 53.35 |
| Dickson | 9.65 | 1.70 | 3.86 | 2.78 | 7.76 | 7.40 | 4.54 | 5.39 | 1.48 | 3.27 | 1.03 | 4.11 | 52.97 |
| Dover | 9.34 | 2.05 | 3.04 | 2.40 | 6.86 | 5.77 | 4.26 | 3.95 | 4.14 | 2.27 | 1.28 | 4.47 | 49.83 |
| Dunlap | 7.31 | 2.37 | 2.81 | 3.39 | 2.99 | 6.79 | 6.83 | 5.38 | ..... | ..... | ..... | 3.37 | ..... |
| Dyersburg | 10.63 | 1.10 | 2.83 | 2.70 | 7.30 | 7.15 | 1.11 | 3.30 | 1.55 | 2.20 | 1.60 | 7.75 | 49.22 |
| Elizabethton | 4.97 | 3.77 | 3.09 | 2.67 | 2.90 | 2.02 | 7.68 | 4.55 | 2.71 | 1.21 | 2.04 | 2.65 | 40.26 |
| Erasmus | 9.59 | 2.54 | 4.72 | 3.31 | 4.30 | 6.27 | 9.85 | 6.50 | 3.45 | 4.01 | ..... | ..... | ..... |
| Florence | 7.41 | 1.90 | 3.10 | 2.64 | 3.73 | 8.57 | 8.38 | 5.32 | 2.36 | 5.37 | 1.39 | 5.30 | 55.47 |
| Franklin | 7.95 | 1.51 | 4.11 | 1.99 | 5.38 | 6.82 | 4.50 | 5.07 | 1.58 | 3.63 | 1.60 | 4.27 | 48.41 |
| Greeneville (near) | ..... | ..... | 1.59 | 1.58 | 3.15 | 3.38 | 5.63 | 5.50 | ..... | 1.62 | 1.91 | 2.40 | ..... |
| Halls Hill | 7.27 | 2.41 | 3.19 | 2.41 | 5.36 | 7.86 | 8.15 | 7.19 | 1.40 | 2.97 | 1.26 | 5.36 | 54.83 |
| Hohenwald | 8.93 | 2.96 | 3.69 | 2.27 | 6.98 | 7.66 | 5.86 | 4.50 | 1.33 | 2.31 | 1.92 | 6.48 | 54.89 |
| Iron City | ..... | ..... | 2.89 | 2.47 | 4.97 | 4.16 | 8.34 | ..... | ..... | ..... | ..... | ..... | ..... |
| Jackson | 8.84 | 1.68 | 2.87 | 3.19 | 5.16 | 4.43 | 4.60 | 2.88 | 1.20 | 2.84 | 1.10 | 3.63 | 42.42 |

*Annual and monthly precipitation for 1916*—Contined.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Tennessee*—Continued. | | | | | | | | | | | | | |
| Jefferson City | 5.37 | 3.94 | 3.62 | 1.90 | 3.94 | 4.45 | 6.82 | 5.82 | 2.00 | 2.71 | 2.54 | 3.85 | 46.96 |
| Johnson City | 3.99 | 4.76 | 4.01 | 2.33 | 2.67 | 3.13 | 7.10 | 6.39 | 2.76 | 1.18 | 2.05 | 2.94 | 43.31 |
| Johnsonville | 11.07 | 2.12 | 3.37 | 3.58 | 8.67 | 5.81 | 3.26 | 7.14 | 3.14 | 2.58 | 1.22 | 4.62 | 56.58 |
| Kenton | 12.10 | 4.40 | 3.97 | 2.81 | 5.30 | 6.25 | 1.67 | 2.82 | 1.63 | 2.69 | 1.87 | 6.45 | 48.96 |
| Kingsport | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.82 | ..... |
| Kingston | 5.94 | 3.41 | 1.80 | 3.27 | 4.42 | 6.84 | 9.61 | 5.19 | 1.78 | 2.40 | 2.17 | 3.38 | 50.21 |
| Knoxville | 5.23 | 3.33 | 2.25 | 2.03 | 4.71 | 5.29 | 6.48 | 4.24 | 2.84 | 1.97 | 2.55 | 3.63 | 44.55 |
| Lebanon (near) | 9.26 | 1.66 | 3.66 | 2.45 | 6.83 | 7.08 | 6.51 | 4.85 | 2.97 | 4.39 | 1.66 | 4.35 | 55.67 |
| Lewisburg | 7.37 | 2.51 | 3.43 | 2.50 | 4.58 | 6.87 | 9.50 | 7.89 | 1.14 | 2.43 | 2.60 | 6.82 | 57.64 |
| Liberty | 7.82 | 2.85 | 4.01 | 2.83 | 5.15 | 6.36 | 9.70 | 6.02 | 1.96 | 3.39 | 1.91 | 5.56 | 57.56 |
| Lookout Mountain | 6.02 | 3.65 | 3.07 | 2.62 | 3.76 | 6.04 | 17.86 | 1.61 | 2.60 | 3.99 | 2.88 | 4.81 | 58.91 |
| Loretto | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5.89 | ..... |
| Loudon | 6.02 | 5.19 | 2.52 | 2.47 | 4.41 | 5.18 | 5.94 | 3.31 | 2.13 | 3.17 | 2.85 | 4.07 | 47.26 |
| Lynnville | 8.76 | 2.42 | 3.43 | 2.37 | 3.57 | 7.86 | 9.86 | 2.49 | 0.80 | 1.81 | 2.09 | 5.81 | 51.27 |
| McGhee | 6.05 | 4.55 | 3.84 | 2.61 | 4.66 | 3.84 | 5.25 | 7.38 | 2.10 | 3.56 | 3.01 | 4.05 | 50.90 |
| McMinnville | 7.52 | 2.65 | 2.59 | 2.53 | 4.53 | 5.10 | 10.51 | 3.39 | 1.04 | 2.28 | 1.90 | 5.91 | 49.95 |
| Memphis | 7.16 | 2.27 | 2.22 | 2.32 | 4.09 | 3.19 | 1.74 | 2.98 | 1.07 | 2.28 | 0.86 | 3.26 | 33.44 |
| Milan | 10.15 | 2.47 | 3.15 | 3.89 | 6.00 | 5.13 | 3.82 | 2.76 | 2.23 | 2.23 | 1.18 | 4.76 | 47.77 |
| Mountain City | 4.30 | 3.08 | 3.92 | 1.19 | 2.49 | 2.13 | 8.45 | 7.06 | 3.47 | 2.25 | 1.85 | 2.00 | 42.19 |
| Nashville | 7.62 | 1.19 | 3.60 | 2.49 | 5.37 | 4.62 | 4.17 | 4.27 | 1.92 | 2.67 | 1.00 | 4.29 | 43.21 |
| Newport | 5.76 | 5.83 | 3.91 | 1.80 | 3.33 | 3.93 | 5.53 | 3.29 | 2.19 | 1.57 | 2.31 | 2.79 | 42.24 |
| New River | 6.02 | 2.67 | 5.02 | 2.84 | 4.96 | 6.13 | 7.00 | 7.60 | 1.50 | 1.60 | 1.77 | 4.93 | 52.04 |
| Palmetto | 6.99 | 2.43 | 3.32 | 2.37 | 4.53 | 6.89 | 10.69 | 2.00 | 1.86 | 2.30 | 2.39 | 7.20 | 52.97 |
| Perryville | 8.10 | 1.69 | 3.74 | 2.81 | 5.86 | 9.50 | 6.54 | 3.82 | 1.48 | 2.62 | 1.62 | 5.04 | 52.82 |
| Pinewood | 9.06 | 1.75 | 3.80 | 3.08 | 7.19 | 8.30 | 4.00 | 2.78 | 1.09 | 3.61 | 1.26 | 4.62 | 50.54 |
| Rogersville | 5.36 | 4.58 | 2.46 | 2.02 | 3.76 | 3.59 | 5.39 | 4.48 | 2.82 | 1.88 | 2.02 | 3.75 | 42.11 |
| Rugby | 8.38 | 1.59 | 4.30 | 2.50 | 3.63 | 5.20 | 9.81 | 11.85 | 2.01 | 2.43 | 1.53 | 6.96 | 60.19 |
| Savannah | 9.11 | 3.37 | 2.93 | 3.52 | 7.73 | 4.03 | 8.02 | 2.07 | 1.23 | 2.36 | 1.70 | 6.34 | 52.41 |
| Sevierville | 5.99 | 4.99 | 3.30 | 2.26 | 4.08 | 7.30 | 5.15 | 7.56 | 2.95 | 3.10 | 2.62 | 3.18 | 52.48 |
| Sewanee | 8.06 | 2.25 | 3.00 | ..... | 3.96 | 7.45 | 9.60 | 6.11 | 1.80 | 2.66 | 2.85 | 4.24 | ..... |
| Sparta | 8.92 | 2.15 | 4.21 | 2.60 | 7.10 | 4.03 | 12.80 | 1.82 | 3.33 | 3.12 | ..... | 6.05 | ..... |
| Springville | 10.15 | 1.43 | 3.40 | 2.62 | 9.22 | 5.46 | 1.23 | 7.56 | 3.49 | 1.98 | 1.22 | 3.55 | 51.31 |
| St. Andrews | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.81 | 2.30 | ..... | ..... |
| Tazewell | 5.37 | 4.07 | 2.80 | 3.11 | 4.33 | 5.19 | 5.20 | 12.45 | 1.63 | 2.07 | 2.14 | 4.50 | 52.86 |
| Trenton | 9.51 | 1.56 | 3.27 | 2.89 | 8.49 | 7.03 | 2.71 | 6.50 | 1.47 | 1.95 | 1.48 | 3.61 | 50.47 |
| Tullahoma | 7.14 | 2.79 | 2.41 | 2.63 | 5.77 | 6.94 | 11.99 | 4.59 | 1.53 | 2.55 | 2.47 | 6.67 | 57.48 |
| Union City | 9.50 | 1.81 | 4.42 | 3.38 | 6.17 | 7.89 | 3.16 | 1.43 | 3.52 | 2.06 | 2.08 | 5.38 | 50.80 |
| Walling | 7.41 | 3.05 | 3.18 | 2.63 | 5.46 | 5.78 | 15.51 | 2.27 | 5.08 | 3.49 | 1.71 | 5.53 | 61.10 |
| Waynesboro | 7.26 | 3.06 | 2.95 | 2.67 | 6.45 | 5.14 | 7.15 | 4.70 | 1.42 | 3.12 | 3.10 | 5.70 | 52.72 |
| Wildersville | 9.78 | 1.55 | 2.42 | 3.08 | 6.84 | 4.75 | 4.34 | 7.91 | 1.72 | 2.93 | 1.20 | 4.93 | 51.45 |
| Worsham | ..... | ..... | ..... | 2.99 | 5.63 | 5.79 | 9.81 | 2.68 | 3.57 | 3.92 | 1.85 | 4.16 | ..... |
| Yukon | 8.56 | 2.22 | 3.08 | 2.48 | 5.75 | 3.49 | 9.72 | 2.82 | 1.89 | 2.25 | 2.74 | 7.34 | 52.34 |
| *Texas.* | | | | | | | | | | | | | |
| Abilene | 0.40 | 0.01 | 1.18 | 5.13 | 3.22 | 2.05 | 0.68 | 0.52 | 0.88 | 3.31 | 0.88 | 0.02 | 18.28 |
| Albany | 0.81 | 0.00 | 1.35 | 5.77 | 2.54 | 4.41 | 0.82 | 0.33 | 0.82 | 4.34 | 0.50 | 0.00 | 21.69 |
| Alice | 1.69 | 0.00 | 0.00 | 0.60 | 0.00 | 0.02 | 7.33 | 4.37 | 1.18 | 2.32 | 2.85 | 0.20 | 20.56 |
| Alpine | 0.25 | 0.10 | 0.45 | 0.00 | 0.00 | 1.90 | 2.06 | 2.90 | 0.75 | 1.80 | ..... | 0.00 | ..... |
| Alvin | 3.25 | 0.33 | 0.16 | 1.67 | 7.27 | 3.90 | ..... | ..... | 4.16 | 0.53 | 2.82 | 1.91 | ..... |
| Amarillo | 0.36 | 0.02 | 0.57 | 1.71 | 0.89 | 2.18 | 0.94 | 3.82 | 1.76 | 2.90 | 0.40 | 0.88 | 16.43 |
| Anahuac | 2.99 | 0.48 | 0.05 | 3.45 | 6.72 | 2.10 | 3.28 | 5.78 | 4.58 | 1.13 | 2.02 | 4.20 | 36.78 |
| Anderson | ..... | T. | ..... | ..... | 8.89 | 1.37 | 2.40 | 4.35 | 1.48 | ..... | 2.12 | 0.80 | ..... |
| Angleton | 1.62 | 0.13 | 0.35 | 1.63 | 6.49 | 5.37 | 5.66 | 5.43 | 3.55 | 1.08 | 1.68 | 2.13 | 35.12 |
| Antelope | 2.31 | T. | 2.57 | 5.62 | 1.55 | 0.48 | 0.64 | 1.13 | 1.38 | 4.04 | 2.36 | T. | 22.08 |
| Archer City | 1.06 | T. | 1.79 | 7.19 | 3.49 | 0.51 | 0.51 | 1.42 | 1.18 | 4.93 | 1.21 | 0.06 | 23.35 |
| Arthur City | 5.88 | 0.78 | 0.54 | 4.06 | 1.21 | 4.42 | 2.87 | 2.64 | 0.48 | 1.52 | 2.26 | 0.47 | 27.13 |
| Aspermont | 0.31 | 0.00 | 0.24 | 4.61 | 1.37 | 4.37 | 0.65 | 1.48 | 1.63 | 2.76 | 0.62 | 0.00 | 18.04 |
| Austin | 3.93 | 0.00 | 0.15 | 4.57 | 7.85 | 0.88 | 5.29 | 1.44 | 1.98 | 1.68 | 1.31 | 0.18 | 29.26 |
| Austwell | 0.70 | 0.00 | 0.00 | 1.59 | 1.85 | 1.66 | 9.64 | 4.18 | 3.44 | 0.00 | 0.67 | 1.33 | 25.06 |
| Ballinger | 0.10 | T. | 0.25 | 4.25 | 1.62 | 0.62 | T. | 0.30 | 4.32 | 1.75 | 0.55 | T. | 13.76 |
| Barstow | 0.08 | T. | 0.24 | 1.87 | T. | 0.19 | 0.77 | 2.40 | 0.74 | 1.95 | 0.10 | T. | 8.34 |
| Bay City | 0.90 | 0.00 | 0.00 | 1.26 | 4.87 | 1.37 | 4.29 | 11.34 | 2.59 | ..... | 1.84 | 0.48 | ..... |
| Beaumont | 4.40 | 0.22 | 0.16 | 4.10 | 7.82 | 2.82 | 5.62 | 6.88 | 1.50 | 1.29 | 2.28 | 6.38 | 43.47 |
| Beeville | 1.25 | 0.02 | T. | 1.45 | 1.74 | 0.46 | 7.79 | 5.59 | 1.27 | 2.40 | 1.05 | 0.38 | 23.40 |
| Big Spring | 0.21 | T. | 1.08 | 3.02 | 0.16 | 1.04 | 2.65 | 4.57 | 1.59 | 1.67 | 1.03 | 0.11 | 17.13 |
| Big Wells | 0.50 | 0.00 | 0.37 | 2.01 | 0.77 | 0.70 | 3.54 | 6.69 | 3.06 | 1.57 | 1.19 | 0.42 | 20.82 |
| Blanco | 3.90 | 0.00 | 0.30 | 5.93 | 5.47 | 0.59 | 4.02 | 1.93 | 1.81 | 2.61 | 1.83 | 0.17 | 28.56 |
| Boerne | 4.35 | 0.04 | 0.23 | 6.76 | 7.54 | 0.54 | 3.62 | 2.63 | 5.44 | 4.39 | 0.87 | 0.25 | 36.66 |
| Bonham | 5.67 | 0.15 | 1.45 | 5.04 | 2.30 | 5.16 | 0.15 | 0.10 | 0.81 | 3.52 | 1.80 | 0.51 | 26.66 |
| Bowie | 5.41 | 0.01 | 3.56 | 4.73 | 2.97 | 3.17 | 0.09 | 0.80 | 0.90 | 2.00 | 2.47 | 0.06 | 26.17 |
| Brazoria | ..... | ..... | 0.06 | 1.94 | 4.26 | 1.70 | 4.89 | 5.45 | 3.60 | 0.87 | 1.59 | 2.26 | ..... |
| Brazos | 2.78 | 0.14 | 0.66 | 7.42 | 4.27 | 1.98 | 0.96 | 0.78 | 2.10 | 5.22 | 1.49 | 0.00 | 27.80 |
| Brenham | 2.59 | 0.20 | 0.09 | 1.33 | 5.77 | 2.20 | 3.26 | 2.21 | 1.46 | 2.14 | 2.86 | 0.70 | 24.81 |
| Bridgeport | 3.80 | T. | 0.07 | 6.30 | 4.14 | 1.66 | T. | 0.25 | 2.78 | 1.86 | 1.84 | T. | 22.70 |
| Brighton | 0.97 | 0.00 | 0.00 | 0.80 | 0.62 | 2.21 | 4.67 | ..... | 1.98 | 0.50 | 0.56 | 1.10 | ..... |
| Brownfield | 0.30 | T. | 0.71 | 2.04 | 0.17 | 1.02 | 1.70 | 6.32 | 2.15 | 3.29 | 0.52 | 0.18 | 18.40 |
| Brownsville | 0.19 | 0.08 | 0.07 | 1.28 | 0.37 | 0.17 | 4.52 | 5.58 | 3.21 | 2.23 | 1.39 | 0.69 | 19.78 |
| Brownwood | 2.85 | T. | 0.33 | 5.35 | 3.28 | 2.08 | 0.96 | 1.34 | 2.02 | 1.27 | 1.34 | 0.00 | 20.82 |
| Bryan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.03 | ..... |
| Buena Vista | T. | 0.00 | 0.20 | 2.04 | T. | T. | 0.63 | 1.82 | 0.42 | 2.66 | 0.50 | T. | 8.27 |
| Cameron | 4.89 | 0.00 | 0.50 | 3.48 | 8.30 | ..... | ..... | ..... | 2.06 | 0.92 | 2.46 | 0.26 | ..... |
| Canadian | 0.44 | 0.05 | 0.24 | 2.07 | 0.09 | 6.06 | 1.62 | 1.77 | 2.25 | 1.53 | 0.35 | 0.36 | 16.83 |
| Carrizo Springs | 1.60 | T. | 0.20 | 1.60 | 1.00 | T. | 5.40 | 9.44 | 5.95 | 0.35 | 0.50 | T. | 26.04 |
| Childress | 0.70 | T. | 1.08 | 3.60 | 1.20 | 1.70 | T. | 1.20 | 1.90 | 4.00 | 1.47 | 0.12 | 16.97 |
| Chillicothe | 1.02 | T. | 0.58 | 5.84 | 1.05 | 1.65 | 1.10 | 1.43 | 1.22 | 3.92 | 1.94 | 0.11 | 19.86 |
| Clarendon | 0.43 | T. | 0.03 | 2.64 | 0.50 | 3.20 | 1.53 | 0.81 | 2.23 | 3.92 | 0.28 | 0.23 | 15.80 |
| Clarksville | 5.79 | 0.66 | 0.38 | 5.55 | 2.17 | 5.20 | 1.30 | 2.62 | 1.44 | 4.10 | 0.39 | 4.93 | 34.53 |
| Claude | 0.10 | 0.00 | 0.60 | 2.57 | 1.55 | 2.09 | 0.87 | 4.32 | 2.69 | 4.72 | 0.30 | 0.65 | 20.46 |
| Claytonville | 0.23 | T. | 1.89 | 5.08 | 1.70 | 1.02 | 0.92 | 0.31 | 0.88 | ..... | 0.86 | 0.10 | ..... |
| Cleburne | 5.36 | 0.15 | 1.80 | 6.81 | 3.97 | 2.00 | 0.57 | 1.26 | 0.83 | 2.55 | 2.22 | 0.05 | 27.57 |
| Clifton | 5.11 | 0.12 | 1.34 | 7.22 | 5.86 | 2.50 | 1.14 | 3.99 | 1.94 | 5.16 | 2.65 | 0.30 | 37.33 |
| Coleman | 3.25 | T. | 1.00 | 4.27 | 1.57 | 1.15 | 2.25 | 1.67 | 4.47 | 2.89 | 0.91 | T. | 23.43 |
| College Station | 5.66 | 0.01 | 0.43 | 0.83 | 10.51 | 3.11 | 1.86 | 0.90 | 1.57 | 1.55 | 1.91 | 0.49 | 28.83 |
| Colorado | 0.09 | 0.08 | 0.84 | 2.22 | 1.72 | ..... | 0.38 | 0.38 | 0.62 | ..... | ..... | 0.31 | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Texas*—Continued. | | | | | | | | | | | | | |
| Columbus | 3.86 | 0.05 | 0.00 | 1.69 | 4.58 | 1.80 | 2.36 | 4.73 | 2.58 | 2.20 | 1.75 | 1.24 | 26.84 |
| Comanche | 3.18 | ..... | ..... | ..... | 3.70 | ..... | ..... | 0.38 | 0.44 | 0.82 | 0.99 | 0.00 | ..... |
| Copperas Cove | 3.91 | 0.00 | 0.28 | 6.52 | 5.62 | 1.98 | 1.07 | 1.21 | 0.54 | 1.84 | 2.58 | 0.00 | 25.55 |
| Corpus Christi | 0.31 | 0.07 | 0.00 | 0.63 | 0.60 | 1.98 | 4.57 | 4.84 | 1.15 | 0.06 | 0.62 | 0.77 | 15.60 |
| Corsicana | 4.69 | 0.27 | 0.51 | 9.58 | 5.59 | 1.54 | 0.89 | 0.56 | 1.13 | 1.71 | 2.51 | 0.61 | 29.59 |
| Cotulla | 1.50 | 0.00 | ..... | 1.35 | 0.45 | 0.26 | 3.83 | 8.48 | 2.50 | 2.20 | 1.60 | 0.75 | ..... |
| Crockett | 5.73 | 0.40 | 0.40 | 3.29 | 9.30 | 4.54 | 2.68 | 2.56 | 1.62 | 0.40 | 4.20 | 1.04 | 36.16 |
| Crowell | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.00 | 2.75 | 2.32 | 1.44 | 0.00 | ..... |
| Cuero | 1.24 | 0.22 | 0.00 | 2.53 | 3.14 | 1.10 | 3.27 | 5.36 | 0.37 | 1.58 | 1.57 | 0.40 | 20.78 |
| Dalhart | 0.34 | 0.00 | 0.12 | 1.49 | 0.58 | 4.42 | 2.55 | 3.45 | 0.72 | 0.22 | 0.03 | 0.44 | 14.36 |
| Dallas | 5.88 | T. | 2.33 | 5.15 | 3.63 | 4.08 | 0.53 | 2.68 | 1.31 | 3.75 | 2.47 | 0.08 | 31.89 |
| Danevang | 1.18 | 0.00 | 0.00 | 2.70 | 4.68 | 3.21 | 4.26 | 4.73 | 2.38 | 1.23 | ..... | 0.98 | ..... |
| Del Rio | 0.60 | 0.01 | 0.78 | 0.29 | 1.90 | 0.08 | 2.03 | 2.64 | 2.11 | 0.42 | 0.21 | 0.06 | 11.13 |
| Denison (near) | 6.38 | 0.71 | 0.88 | 6.95 | 8.20 | 5.23 | 0.36 | 2.26 | 1.34 | 1.70 | 2.36 | 0.26 | 36.63 |
| Denton | 6.38 | 0.50 | 1.06 | 7.71 | 3.05 | 6.06 | 0.13 | 1.15 | 2.75 | 1.90 | 1.90 | 0.23 | 32.82 |
| Devine | ..... | ..... | ..... | 2.45 | 2.95 | ..... | 5.40 | ..... | ..... | ..... | ..... | ..... | ..... |
| Dialville | 5.08 | T. | 0.50 | 5.11 | 9.35 | 2.30 | 4.00 | ..... | ..... | ..... | ..... | 1.00 | ..... |
| Dilley | 1.70 | 0.00 | 0.00 | 0.53 | 2.25 | 0.62 | 2.47 | 4.90 | 1.11 | 1.86 | ..... | ..... | ..... |
| Dublin | 2.66 | 0.00 | 0.41 | 8.65 | 5.20 | 5.42 | 0.22 | 0.36 | 3.72 | 1.11 | 1.04 | 0.00 | 28.79 |
| Duval | 3.07 | 0.00 | 0.14 | 3.39 | 8.00 | 1.37 | 1.64 | 2.27 | 1.68 | 1.17 | 1.48 | 0.23 | 24.44 |
| Eagle Pass | 0.62 | 0.03 | 0.08 | 0.75 | 2.23 | 0.11 | 7.48 | 6.19 | 0.86 | 0.27 | 0.63 | 0.00 | 19.25 |
| Eastland | 2.43 | T. | 0.45 | 4.45 | 4.15 | 1.83 | 0.73 | 0.20 | 2.10 | 3.08 | 1.37 | 0.00 | 20.79 |
| Edna | 1.39 | 0.00 | 0.50 | 2.06 | 4.72 | 2.11 | 5.38 | 5.63 | 0.53 | 0.00 | 1.29 | 1.32 | 24.93 |
| El Paso | 0.66 | 0.02 | 0.34 | 0.20 | 0.43 | 0.00 | 0.59 | 3.07 | 0.55 | 1.07 | 0.52 | 0.32 | 7.77 |
| Encinal | 0.60 | 0.01 | 0.50 | 0.52 | 0.62 | T. | 3.73 | 9.46 | 2.71 | 0.82 | 0.50 | 0.00 | 19.47 |
| Fairland | ..... | ..... | ..... | 7.18 | 4.69 | 1.11 | 2.74 | 1.91 | 1.29 | ..... | ..... | ..... | ..... |
| Falfurrias | 3.39 | T. | T. | 0.20 | 0.63 | 0.42 | 8.20 | 7.03 | 3.51 | 3.09 | 0.63 | 0.23 | 27.33 |
| Finley | 5.42 | 0.00 | 0.35 | 3.90 | 2.30 | 1.85 | 0.00 | 1.45 | 0.31 | 4.45 | 2.00 | 1.50 | 23.53 |
| Flatonia | 6.63 | 0.05 | T. | 1.41 | 5.39 | 0.97 | 3.54 | 4.23 | 1.78 | 1.30 | 1.32 | 0.46 | 27.08 |
| Flint | 5.99 | 0.16 | 0.49 | 4.98 | 5.81 | 3.77 | 1.93 | 1.83 | 0.36 | 1.40 | 3.60 | 3.59 | 33.91 |
| Floresville | ..... | ..... | ..... | ..... | ..... | ..... | 5.15 | 3.81 | 1.21 | 1.88 | 1.50 | T. | ..... |
| Fort Clark | 3.50 | 0.00 | 1.16 | 2.61 | 1.33 | 0.01 | 3.42 | 3.85 | 1.40 | 1.93 | 0.62 | 0.02 | 19.85 |
| Fort Davis | 0.10 | 0.26 | 0.10 | 0.05 | 0.00 | 0.67 | 3.18 | 2.89 | 0.60 | 1.80 | 0.00 | 0.00 | 10.10 |
| Fort McIntosh | 1.16 | 0.00 | 0.00 | 0.30 | 0.05 | 0.05 | 2.38 | 2.75 | 2.65 | 3.20 | 1.10 | 0.10 | 13.74 |
| Fort McKavett (near) | 0.88 | 0.00 | 1.33 | 4.07 | 2.11 | 0.70 | 2.13 | 1.11 | 1.65 | 1.14 | 0.30 | 0.00 | 15.42 |
| Fort Stockton | T. | 0.05 | 0.45 | 1.28 | 1.06 | T. | 1.78 | 1.95 | 0.35 | 0.83 | 0.20 | T. | 7.95 |
| Fort Worth | 4.01 | 0.01 | 3.68 | 6.99 | 3.70 | 3.30 | 1.48 | 3.84 | 0.73 | 1.89 | 1.82 | 0.11 | 31.46 |
| Fowlerton | 0.88 | T. | T. | 1.13 | 0.93 | 0.25 | 4.50 | 6.14 | 0.58 | 0.88 | ..... | 0.31 | ..... |
| Gail | 0.02 | 0.00 | 2.60 | 2.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Gainesville | 8.11 | 0.35 | 1.23 | 6.20 | 6.25 | 6.63 | 0.20 | 1.05 | 3.37 | 2.52 | 1.75 | 0.00 | 37.69 |
| Galveston | 0.86 | 0.19 | 0.25 | 1.37 | 8.08 | 3.15 | 4.64 | 4.14 | 4.24 | 0.99 | 2.16 | 0.79 | 30.86 |
| Garden City | 0.05 | T. | 0.37 | 2.62 | 0.67 | 0.92 | 2.46 | 1.24 | 2.07 | 1.13 | 0.60 | 0.17 | 12.30 |
| Gatesville | 4.70 | 0.20 | 0.90 | 7.90 | 6.35 | 2.85 | 0.30 | 0.20 | ..... | 2.35 | 2.00 | 0.00 | ..... |
| Georgetown | 5.56 | 0.01 | T. | 3.84 | 5.33 | 0.65 | 5.71 | 1.82 | 1.14 | 2.16 | 2.58 | 0.23 | 29.03 |
| George West | 0.41 | 0.01 | 0.00 | 1.28 | 0.26 | 0.57 | 7.17 | 7.03 | 0.90 | 4.40 | 2.31 | 0.20 | 24.54 |
| Goliad | 0.53 | 0.00 | 0.00 | 1.81 | 3.30 | 1.33 | 3.14 | 6.86 | 0.95 | 0.47 | 1.27 | 0.33 | 19.99 |
| Gonzales | 4.16 | 0.12 | 0.00 | 2.27 | 4.27 | 1.27 | 2.40 | 3.11 | 0.76 | 1.41 | 1.36 | 0.13 | 21.26 |
| Gorham | 4.23 | T. | 0.35 | 4.45 | 5.45 | 3.45 | 2.74 | 2.54 | 0.25 | 3.08 | 2.70 | 0.28 | 29.52 |
| Graham | 2.98 | 0.00 | 1.73 | 4.62 | ..... | ..... | 0.55 | 1.03 | 1.54 | 3.05 | 1.45 | T. | ..... |
| Grand Falls | 0.00 | 0.00 | 0.68 | 1.15 | 0.05 | 0.22 | 0.52 | 2.22 | 0.21 | 1.40 | T. | 0.00 | 6.45 |
| Grapevine | 6.38 | 0.10 | 2.19 | 7.15 | 4.71 | 1.90 | 0.47 | 1.50 | 0.20 | 1.55 | 2.16 | 0.14 | 28.45 |
| Greenville | 6.25 | 0.30 | 0.60 | 6.20 | 3.50 | 5.28 | 0.10 | 2.20 | 0.20 | 2.07 | 1.85 | 0.10 | 28.65 |
| Hallettsville | 2.63 | T. | T. | 1.90 | 5.08 | 1.06 | 2.57 | 5.54 | 2.84 | 2.00 | 0.97 | 1.42 | 26.01 |
| Hamilton | 4.12 | 0.19 | 0.46 | 8.52 | 8.83 | 3.35 | 1.20 | 0.85 | 1.17 | 1.35 | 1.75 | 0.00 | 31.79 |
| Hamlin | 0.20 | 0.00 | 2.83 | 2.03 | 1.61 | 4.43 | 0.23 | 1.05 | 0.19 | 2.16 | 0.98 | 0.00 | 15.71 |
| Harlingen | 0.29 | T. | 0.08 | 0.40 | 2.51 | 0.97 | 7.21 | 10.34 | 2.71 | ..... | ..... | ..... | ..... |
| Haskell | 0.92 | 0.00 | 0.31 | 5.61 | 1.71 | 3.32 | 0.12 | 0.37 | 1.40 | 2.74 | 0.99 | 0.00 | 17.49 |
| Hebbronville | 0.92 | 0.00 | 0.00 | 0.00 | 0.15 | 1.36 | 5.15 | 5.45 | 2.67 | 3.38 | 0.59 | 0.00 | 19.67 |
| Hempstead | ..... | 0.10 | 0.30 | 3.28 | 6.02 | 2.99 | 1.92 | 2.76 | 2.74 | 4.06 | 1.84 | T. | ..... |
| Henderson | 4.89 | 0.02 | 0.70 | 4.43 | 6.69 | 3.86 | 2.10 | 1.66 | 0.39 | 1.17 | 2.89 | 1.60 | 30.40 |
| Henrietta | 2.47 | T. | 1.02 | 7.86 | 3.55 | 2.05 | 0.42 | 1.70 | 1.47 | 2.05 | 1.80 | 0.00 | 24.39 |
| Hewitt | 4.63 | T. | 0.17 | 3.91 | 5.62 | 3.02 | 1.76 | ..... | 0.23 | 2.49 | 1.97 | 0.05 | ..... |
| Hico | 3.09 | 0.02 | 4.04 | 6.63 | 3.57 | 3.08 | 0.61 | 0.25 | 2.25 | 2.05 | 1.36 | 0.17 | 27.12 |
| Highbank | ..... | ..... | ..... | ..... | 8.58 | 3.14 | 1.00 | 1.73 | 1.35 | 0.92 | 3.33 | 0.10 | ..... |
| Hillsboro | 6.37 | 0.35 | 0.65 | 7.75 | 5.05 | 2.55 | 2.20 | 1.70 | 1.15 | 3.80 | 3.15 | 0.10 | 34.82 |
| Hill Ranch | ..... | ..... | ..... | 3.54 | 8.05 | 0.71 | 2.47 | 1.29 | 2.94 | 1.86 | 1.46 | 0.33 | ..... |
| Hondo | 2.26 | 0.00 | 3.16 | 5.73 | 5.59 | 0.50 | 4.18 | 5.18 | 0.60 | 2.51 | 1.20 | 0.21 | 31.12 |
| Honey Grove | ..... | ..... | 0.84 | 3.92 | 2.22 | 4.56 | 1.30 | 0.27 | 2.98 | 2.77 | 2.38 | 1.11 | ..... |
| Houston | 2.81 | 0.03 | T. | 2.25 | 4.40 | 1.80 | 8.41 | 6.66 | 2.45 | 1.05 | 2.31 | 3.68 | 35.85 |
| Huntsville | 4.23 | T. | 0.40 | 3.00 | 11.05 | 2.90 | 7.19 | 1.35 | 3.08 | 0.58 | 2.68 | 1.55 | 38.01 |
| Jayton | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.95 | 2.01 | 0.00 | ..... |
| Jefferson | 6.33 | 0.05 | 1.50 | 2.53 | 6.55 | 5.45 | 3.24 | 0.28 | 1.63 | 2.23 | 2.73 | 3.07 | 35.59 |
| Jewett | 3.75 | 0.00 | 0.50 | 1.92 | 10.15 | 4.70 | ..... | 2.62 | 0.10 | 0.75 | 3.55 | 0.50 | ..... |
| Jourdanton | ..... | ..... | ..... | ..... | ..... | 1.92 | 5.41 | 1.65 | 3.01 | 2.40 | 1.48 | 0.24 | ..... |
| Junction | 1.79 | 0.00 | 2.46 | 0.65 | 3.30 | 0.77 | 2.94 | 1.66 | 0.20 | 0.50 | 0.50 | 0.00 | 14.77 |
| Kaufman | 4.69 | T. | 0.47 | 7.51 | 4.81 | 5.11 | 1.81 | 1.82 | 2.70 | 3.48 | 2.18 | 0.39 | 34.97 |
| Kerrville | 3.22 | 0.00 | 1.15 | 5.75 | 7.10 | 0.42 | 4.79 | 1.97 | 1.15 | 2.65 | 1.21 | 0.00 | 29.41 |
| Knickerbocker | 0.15 | T. | 0.91 | 2.05 | 1.15 | 0.50 | 1.17 | 0.76 | 2.99 | 1.09 | 0.90 | T. | 11.67 |
| Kopperl | 5.28 | 0.24 | 0.72 | 9.32 | 4.45 | 1.85 | 1.29 | 1.50 | T. | 4.60 | 1.95 | T. | 31.20 |
| Lagrange | 2.64 | 0.04 | 0.04 | 1.59 | 8.71 | 1.39 | 5.52 | 3.23 | 1.26 | 1.18 | 1.30 | 0.86 | 27.76 |
| Lamesa | 0.20 | 0.00 | 0.73 | 3.73 | 0.83 | 0.79 | 2.04 | ..... | 1.13 | 3.27 | 0.35 | 0.00 | ..... |
| Lampasas | 2.70 | 0.00 | 0.13 | 6.51 | 4.77 | 1.20 | 4.19 | 2.42 | 2.89 | 1.82 | 2.00 | 0.03 | 28.66 |
| La Parra | 2.21 | 0.00 | 0.00 | 0.45 | 0.20 | 0.80 | 9.15 | 6.90 | 2.00 | 0.50 | 1.45 | 0.80 | 24.46 |
| La Pryor | 0.95 | 0.01 | 0.03 | 4.09 | 1.35 | 0.70 | 5.30 | 7.49 | 1.33 | 0.12 | 0.86 | 0.03 | 22.26 |
| Laredo | 1.63 | 0.00 | 0.00 | 0.34 | 0.07 | 0.15 | 3.80 | 4.74 | 3.71 | 3.58 | 0.35 | 0.00 | 18.37 |
| Laureles Ranch | 0.20 | 0.00 | 0.00 | ..... | ..... | 0.35 | 5.28 | 4.33 | ..... | 1.75 | ..... | ..... | ..... |
| Liberty | 3.29 | 0.18 | T. | 2.27 | 7.69 | 1.08 | 4.09 | 4.12 | 5.73 | 0.32 | 2.04 | 3.97 | 34.88 |
| Lieb (near) | 0.57 | T. | 0.69 | 1.89 | 0.14 | 6.07 | 0.23 | 1.89 | 1.78 | 1.37 | 0.43 | 1.14 | 16.20 |
| Littlefield | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.32 | 1.60 | 0.36 | ..... |
| Llano | 2.77 | T. | 0.02 | 4.66 | 3.03 | 0.54 | 2.76 | 2.18 | 1.62 | 0.96 | 1.45 | T. | 19.99 |
| Llano Grande | 0.10 | ..... | ..... | 0.90 | 0.10 | 3.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lobo | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.88 | 0.27 | T. | ..... |
| Long Lake | 4.02 | 0.00 | 0.70 | 3.03 | 9.99 | 2.61 | 4.83 | 1.94 | 0.20 | 0.30 | 3.95 | 0.80 | 30.97 |
| Longview | 5.64 | 0.18 | 1.22 | 5.80 | 5.34 | 3.31 | 2.13 | 0.92 | 2.66 | 3.35 | 3.69 | 1.67 | 35.91 |
| Lubbock | 0.17 | T. | 1.15 | 2.63 | 0.39 | 1.52 | 0.36 | 2.45 | 2.79 | 2.91 | 0.55 | 0.11 | 15.03 |
| Lufkin | 5.64 | 0.51 | 0.64 | 5.49 | 13.15 | 4.39 | 4.27 | 2.90 | 1.87 | 1.84 | 4.19 | 3.21 | 48.10 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Texas*—Continued. | | | | | | | | | | | | | |
| Luling | 4.65 | 0.00 | T. | 1.40 | 6.36 | 0.33 | 1.45 | 2.56 | 2.71 | 1.86 | 2.27 | 0.27 | 23.86 |
| McGregor | 3.66 | 0.00 | 0.28 | 4.83 | 5.45 | 2.75 | 1.35 | 1.93 | 0.25 | 1.88 | 2.75 | 0.00 | 25.13 |
| McKinney | 5.50 | 0.92 | 1.20 | 6.32 | 3.00 | 4.32 | 0.61 | 1.88 | 0.03 | 2.72 | 2.62 | 0.27 | 29.39 |
| Marble Falls | 2.06 | 0.00 | 0.07 | 6.40 | 5.52 | 1.13 | 3.29 | 1.74 | 1.75 | 3.15 | 1.84 | T. | 26.95 |
| Marshall | 7.36 | 0.05 | 1.64 | 3.43 | 5.28 | 1.70 | 2.77 | 1.12 | 2.34 | 2.41 | 3.41 | 2.91 | 34.42 |
| Matagorda | 0.04 | 0.01 | 0.03 | 2.54 | 3.14 | 0.36 | 3.74 | 3.38 | 1.01 | 0.00 | 0.92 | 2.93 | 18.10 |
| Memphis | ..... | ..... | ..... | 2.18 | 0.65 | 3.75 | ..... | 0.59 | 1.77 | ..... | 0.69 | 0.01 | ..... |
| Mercedes | 0.92 | T. | 0.00 | 0.67 | 0.49 | 2.67 | 5.91 | 7.93 | 2.68 | 3.13 | 2.04 | 1.55 | 27.99 |
| Mexia | 4.57 | T. | 0.20 | 5.62 | 6.37 | 3.05 | 1.37 | 0.88 | 1.34 | 0.94 | 2.18 | 0.32 | 26.84 |
| Miami | 0.10 | T. | 0.60 | 1.91 | 0.35 | 3.71 | 0.49 | 1.99 | 3.51 | 2.65 | 0.52 | 0.85 | 16.68 |
| Midland | 0.03 | 0.00 | 0.27 | 2.85 | 0.36 | 0.83 | 3.65 | 0.05 | 2.42 | 2.45 | 0.45 | 0.05 | 13.41 |
| Mission | ..... | ..... | ..... | ..... | ..... | ..... | 6.01 | 4.82 | 1.01 | 2.81 | 1.38 | 0.22 | ..... |
| Mont Belvieu | 2.83 | 0.24 | 0.20 | 1.80 | 7.85 | 2.44 | 5.40 | 6.05 | 3.07 | 2.01 | 2.76 | 6.03 | 40.68 |
| Montell | 1.24 | 0.00 | 2.14 | 1.81 | 6.95 | 0.41 | 3.79 | 6.16 | 0.64 | 3.17 | 0.80 | 0.00 | 27.11 |
| Mount Blanco | ..... | ..... | 0.40 | 1.10 | 0.02 | 0.15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Munday | T. | T. | 1.70 | 4.50 | 2.55 | 2.90 | 1.10 | 1.00 | 3.51 | 1.40 | 1.30 | 0.00 | 19.96 |
| Nacogdoches | 7.66 | 0.58 | 0.81 | 5.28 | 10.74 | 2.43 | 3.57 | 0.76 | 0.67 | 1.27 | 3.75 | 3.18 | 40.70 |
| Navasota | 4.11 | 0.05 | 0.31 | 2.63 | 6.75 | 2.95 | 1.15 | 5.38 | 2.45 | 2.44 | 2.02 | 1.05 | 31.29 |
| New Braunfels | 2.67 | 0.00 | 0.00 | 3.11 | 4.99 | 0.71 | 3.77 | 3.12 | 1.41 | 2.54 | 1.93 | 0.33 | 24.58 |
| Ochiltree | 0.10 | T. | 0.26 | 1.25 | 0.68 | 5.61 | T. | 1.53 | 1.86 | ..... | 0.21 | 0.75 | ..... |
| Orange | 2.47 | 0.39 | 0.22 | 3.91 | 6.50 | 0.04 | 2.61 | 2.94 | 1.80 | 0.40 | 0.50 | 6.10 | 27.88 |
| O 2 Ranch | T. | T. | T. | 0.20 | T. | 0.50 | 0.85 | 1.95 | 1.60 | 2.90 | 0.05 | T. | 8.05 |
| Paducah | 0.25 | T. | 0.63 | 3.86 | 1.48 | 0.71 | 0.59 | 2.24 | 1.56 | 3.90 | 1.21 | 0.04 | 16.47 |
| Palestine | 4.20 | 0.13 | 0.47 | 3.80 | 8.00 | 1.87 | 2.01 | 1.86 | 3.02 | 0.51 | 2.99 | 0.74 | 29.60 |
| Panhandle | 0.04 | T. | 0.20 | 2.40 | 0.50 | 2.32 | 0.40 | 2.55 | 4.80 | 3.35 | 0.70 | 0.55 | 17.81 |
| Panter | 5.07 | T. | 3.05 | 6.79 | 4.11 | 3.63 | 1.41 | 1.05 | 2.36 | 1.38 | 1.51 | T. | 30.36 |
| Paris | 7.75 | 0.75 | 0.50 | 4.74 | 1.27 | 4.34 | 0.91 | 0.49 | 1.41 | 2.90 | 2.57 | 0.78 | 28.41 |
| Pearsall | 1.55 | 0.00 | T. | 1.89 | 2.16 | 1.65 | 3.45 | 3.68 | 1.03 | 3.13 | 1.11 | 0.21 | 19.86 |
| Pierce | 2.96 | 0.10 | 0.12 | 0.97 | 5.33 | 1.43 | 3.23 | 4.78 | 2.70 | 0.83 | 3.26 | 0.87 | 26.58 |
| Plainview | 0.08 | T. | 0.97 | 2.53 | 0.92 | 1.08 | 1.24 | 2.80 | 1.10 | 3.90 | 1.44 | 0.30 | 16.36 |
| Port Arthur | 3.32 | 0.22 | 0.50 | 3.33 | 4.80 | 3.22 | 7.57 | 3.89 | 1.19 | 0.72 | 0.69 | 5.36 | 34.81 |
| Port Lavaca | 0.53 | T. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.64 | ..... |
| Post | ..... | ..... | ..... | 1.68 | 0.50 | 2.41 | 2.73 | 1.99 | 2.06 | 3.96 | 0.65 | T. | ..... |
| Putnam | 0.83 | 0.00 | 3.87 | 4.92 | 3.36 | 2.50 | 0.00 | 0.55 | 1.40 | 3.00 | 1.12 | 0.00 | 21.55 |
| Quanah | 0.45 | 0.00 | 0.38 | 4.64 | 0.88 | 2.04 | 0.77 | 0.42 | 3.56 | 5.84 | 1.02 | 0.00 | 20.00 |
| Ratcliff | 5.73 | 0.28 | 0.66 | 3.52 | 9.04 | 4.77 | 3.25 | 2.89 | 3.36 | 0.56 | 3.20 | 1.91 | 39.17 |
| Raymondville | 3.64 | 0.06 | T. | 0.54 | 0.26 | 0.22 | 6.91 | 7.85 | 7.79 | 1.68 | 3.04 | 0.82 | 32.81 |
| Ricardo | 2.20 | 0.00 | 0.00 | 0.40 | 0.11 | T. | 7.48 | 6.05 | 2.80 | 1.16 | 1.30 | 0.35 | 21.85 |
| Ringo Crossing | 5.37 | 0.46 | 0.44 | 4.50 | 3.30 | 6.86 | 1.60 | 1.90 | 1.00 | 3.10 | 2.77 | 1.60 | 32.90 |
| Rio Grande | 0.60 | 0.30 | 0.00 | 0.30 | 0.00 | 0.10 | 7.50 | 3.30 | 1.80 | 2.20 | 1.00 | 0.00 | 17.10 |
| Riverside | 3.55 | 0.47 | 0.50 | 3.52 | 11.56 | 2.21 | 2.83 | 1.99 | 2.76 | 0.44 | 2.78 | 1.66 | 34.27 |
| Rochelle | 0.92 | 0.20 | 0.84 | 2.21 | 3.11 | 0.78 | 0.70 | 1.05 | 2.26 | 0.99 | 0.98 | 0.00 | 14.04 |
| Rockland | 10.58 | 0.40 | 0.40 | 1.68 | 13.87 | 1.50 | 1.96 | 1.95 | 2.65 | 1.05 | 2.60 | 3.65 | 42.29 |
| Rockport | 0.75 | 0.00 | 0.00 | 1.70 | 1.30 | 5.70 | 2.85 | 5.75 | 4.10 | 0.05 | 0.16 | 1.19 | 23.55 |
| Romero | 1.27 | 0.00 | 0.87 | 0.51 | 0.05 | 6.40 | 1.56 | ..... | ..... | ..... | ..... | ..... | ..... |
| Rosenberg | 5.49 | 0.13 | T. | 1.57 | 4.95 | 3.05 | 3.97 | 4.10 | 3.27 | 2.76 | 1.41 | 4.19 | 34.89 |
| Rosville | 2.07 | 0.04 | T. | 2.46 | 3.80 | 0.95 | 4.09 | 3.66 | 3.29 | 2.67 | 2.65 | 0.46 | 26.14 |
| Runge | 1.08 | ..... | 0.00 | 1.92 | 2.48 | 0.98 | 2.55 | 4.69 | ..... | 1.41 | 1.79 | 0.28 | ..... |
| Sabinal | 1.43 | 0.00 | 1.44 | 7.96 | 3.51 | 0.77 | 4.49 | 3.69 | 0.17 | 2.26 | 1.03 | 0.06 | 26.81 |
| Salado | 4.03 | 0.00 | 0.10 | 3.71 | 4.52 | 2.00 | 1.53 | 1.41 | 0.51 | 1.51 | 1.60 | T. | 20.92 |
| San Angelo | 0.31 | 0.00 | T. | 3.62 | 1.60 | 2.82 | 1.04 | 1.06 | 2.56 | 1.33 | 0.03 | 0.04 | 14.41 |
| San Antonio | 2.25 | 0.01 | 0.79 | 1.85 | 3.85 | 0.49 | 4.53 | 5.07 | 3.78 | 2.57 | 2.14 | 0.33 | 27.66 |
| San Augustine | 8.24 | 0.85 | 0.68 | 4.22 | 9.83 | 2.53 | 4.95 | 4.05 | 0.90 | 2.13 | 3.14 | 1.62 | 43.14 |
| San Marcos | 4.36 | 0.00 | 0.00 | 2.30 | 3.49 | 0.80 | 2.11 | 3.14 | 2.24 | 1.80 | 2.15 | 0.30 | 22.69 |
| San Saba | 1.91 | 0.22 | 0.24 | 5.98 | 5.05 | 1.27 | 2.38 | 0.43 | 2.15 | 0.72 | 1.24 | 0.03 | 21.62 |
| Santa Gertrudes | 6.50 | ..... | ..... | 0.00 | 0.00 | 0.00 | 6.94 | 5.25 | 1.14 | 0.74 | 2.01 | 0.47 | ..... |
| Sealy | 2.87 | 0.19 | 0.00 | 1.41 | 5.63 | 1.04 | 4.34 | 6.22 | 5.88 | 1.04 | 1.73 | 2.09 | 32.44 |
| Sherman | 5.64 | 0.10 | 0.97 | 8.15 | 5.05 | 5.19 | T. | 1.24 | 1.86 | 2.45 | 2.18 | 0.12 | 32.95 |
| Snyder | 0.15 | 0.00 | 0.34 | 3.58 | 1.67 | 0.65 | 1.40 | 0.49 | 1.52 | 2.00 | ..... | ..... | ..... |
| Somerville | 2.60 | 0.00 | 0.30 | 1.55 | 8.40 | 1.90 | 0.75 | 2.35 | 0.60 | 2.15 | 1.50 | 1.20 | 23.30 |
| Sonora | 0.25 | ..... | 2.25 | 1.93 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Spur | 0.42 | 0.00 | 0.31 | 3.04 | 1.23 | 2.63 | 0.43 | 1.09 | 2.88 | 2.10 | 1.13 | 0.00 | 15.26 |
| Stamford | 0.28 | ..... | 1.82 | 5.70 | ..... | 3.43 | ..... | 0.68 | ..... | ..... | ..... | ..... | ..... |
| Stiles | ..... | ..... | ..... | ..... | 0.10 | T. | 0.56 | 1.00 | 1.30 | 2.00 | 0.20 | 0.00 | ..... |
| Stratford | 0.40 | 0.00 | 0.20 | 1.50 | 0.00 | 3.42 | 0.96 | 1.77 | 0.26 | ..... | ..... | ..... | ..... |
| Sugarland | 4.30 | 0.51 | 0.00 | 2.40 | 4.53 | 2.60 | 3.37 | 8.34 | 2.63 | 0.29 | 2.78 | 2.55 | 34.30 |
| Sutherland Springs | 2.23 | 0.06 | 0.00 | 2.15 | 2.51 | 2.44 | 2.30 | 4.49 | 0.45 | 1.50 | ..... | ..... | ..... |
| Sweetwater | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.84 | 0.05 | ..... |
| Tahoka | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.65 | 0.12 | ..... |
| Taylor | 3.29 | T. | 0.12 | 3.87 | 6.06 | 0.48 | 4.89 | 2.44 | 0.50 | 1.03 | 1.22 | 0.19 | 24.09 |
| Teague | 4.13 | 0.00 | 0.35 | 4.03 | 8.45 | 2.79 | 1.40 | 1.38 | 0.13 | 0.80 | 2.57 | 0.48 | 26.51 |
| Temple | 5.01 | 0.00 | 0.21 | 2.67 | 8.05 | 1.47 | 0.89 | 0.90 | 1.48 | 0.97 | 2.46 | 0.70 | 24.81 |
| Thurber | 2.18 | 0.00 | 1.28 | 5.24 | 3.72 | 4.18 | 0.40 | 0.42 | 3.16 | 2.87 | 2.82 | T. | 26.27 |
| Trinidad | 5.49 | 0.27 | 0.30 | 6.45 | 6.72 | 2.13 | 0.55 | 0.40 | 1.58 | 2.46 | 2.50 | 0.72 | 29.57 |
| Troup | 4.64 | 0.05 | 0.42 | 4.30 | 7.13 | 2.06 | 2.56 | 1.26 | 1.02 | 1.09 | 3.80 | 2.24 | 30.57 |
| Tulia | 0.68 | 0.00 | T. | 3.00 | 0.29 | 4.11 | 0.12 | 5.58 | 1.30 | 4.86 | 0.55 | 0.43 | 20.92 |
| Uvalde | 2.02 | 0.00 | 2.62 | 4.17 | 1.55 | 0.72 | 7.66 | 7.20 | 5.71 | 0.83 | 1.20 | T. | 33.68 |
| Valley Junction | 3.30 | 0.00 | 0.30 | 0.80 | 7.45 | 2.00 | 0.80 | 1.30 | 2.85 | 0.50 | 2.75 | 0.00 | 21.95 |
| Victoria | 0.87 | 0.00 | 0.00 | 2.37 | 3.38 | 1.77 | 7.03 | 7.81 | 0.35 | 0.90 | 1.25 | 0.84 | 26.57 |
| Waco | 4.74 | T. | 0.28 | 4.45 | 4.99 | 3.12 | 2.80 | 1.44 | 0.94 | 2.39 | 2.61 | T. | 27.76 |
| Waxahachie | 3.24 | 0.00 | 0.40 | 8.70 | 4.05 | 2.86 | 1.87 | 1.20 | 1.10 | 3.45 | 2.60 | 0.00 | 29.47 |
| Weatherford | 4.56 | 0.26 | 2.59 | 7.85 | 3.76 | 1.57 | 0.44 | 0.35 | 3.20 | 3.27 | 1.18 | 0.07 | 29.10 |
| Wellington | 1.44 | 0.00 | 0.75 | 1.92 | 0.80 | 4.43 | 0.55 | 0.82 | 0.71 | 4.63 | 0.85 | 0.11 | 17.01 |
| Whitsett | 1.03 | 0.00 | T. | 1.70 | 0.72 | 1.25 | 5.70 | 3.71 | 2.16 | 3.40 | 1.93 | 0.13 | 21.73 |
| Wichita Falls | 1.75 | 0.00 | 1.95 | 6.70 | 1.45 | 1.90 | 2.15 | 2.55 | 1.40 | 1.10 | 0.90 | 0.00 | 21.85 |
| Wills Point | 6.31 | T. | 0.37 | 6.29 | 4.61 | 3.75 | 0.35 | 3.42 | 0.89 | 2.12 | 2.66 | 0.53 | 31.29 |
| Winfield (near) | 7.00 | T. | 0.65 | 5.40 | 4.64 | 3.64 | 0.61 | 2.35 | 0.30 | 4.15 | 2.20 | 0.95 | 32.09 |
| Winters | 0.16 | 0.00 | 0.54 | 0.54 | 2.05 | ..... | 1.78 | 1.00 | 1.60 | 4.40 | ..... | ..... | ..... |
| Woodsboro | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.75 | 0.90 | 0.42 | 0.62 | 0.85 | ..... |
| *Utah.* | | | | | | | | | | | | | |
| Alpine | 2.50 | 1.70 | 4.12 | 0.25 | 0.40 | 0.20 | 0.48 | 1.24 | 0.80 | 2.79 | 0.60 | 2.48 | 17.56 |
| Alton | 3.38 | 1.43 | 3.91 | 0.73 | 0.35 | 0.00 | 4.72 | 2.06 | 1.23 | 3.73 | 0.00 | 1.81 | 28.40 |
| Beaver | 2.40 | 0.94 | 1.08 | T. | 0.49 | 0.00 | 2.74 | ..... | ..... | ..... | ..... | ..... | ..... |
| Beaver Creek Nursery | ..... | ..... | ..... | ..... | 0.21 | 0.12 | 0.89 | 1.75 | 1.47 | 3.59 | ..... | ..... | ..... |
| Belknap R. S. | 2.24 | 0.09 | 1.95 | 0.00 | 0.21 | 0.00 | 1.64 | 0.70 | 0.27 | 2.30 | 0.22 | ..... | ..... |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Utah*—Continued. | | | | | | | | | | | | | |
| Benmore | 4.37 | 0.72 | 2.38 | 0.42 | 0.56 | 0.21 | 0.54 | 1.11 | 0.50 | 2.79 | 0.25 | 1.62 | 15.47 |
| Big Plains | | | | 0.95 | 0.81 | 0.00 | 2.19 | 4.98 | 0.45 | 3.15 | | | |
| Black Rock | 1.25 | 0.30 | 0.50 | T. | 0.20 | 0.00 | 1.45 | 0.60 | T. | 2.60 | 0.50 | 0.92 | 8.32 |
| Blacks Fork | | | | | | | | | 1.44 | 1.77 | 0.97 | 2.96 | |
| Blanding | 3.60 | 0.60 | 1.28 | 0.65 | 0.39 | 0.00 | 0.70 | 2.05 | 0.48 | 7.01 | 0.03 | 0.84 | 17.63 |
| Bluff | 0.29 | 0.05 | 0.19 | | | | | | | | | | |
| Brigham City | 2.81 | 2.79 | 2.07 | 2.04 | 1.24 | 0.67 | 0.75 | 0.34 | 0.70 | 4.58 | 0.80 | 2.03 | 20.82 |
| Burrville | | | | | | | | | 0.08 | 2.35 | T. | | |
| Canaan | 3.01 | 0.96 | 1.58 | 1.43 | 0.75 | 0.00 | 5.71 | 1.93 | 1.12 | 1.32 | T. | 0.48 | 18.29 |
| Castle Dale | 4.20 | 0.55 | 1.70 | 0.05 | | 0.00 | 0.75 | 3.05 | 0.15 | | 0.00 | 0.65 | |
| Castle Rock | 2.40 | 2.25 | 3.62 | 0.81 | 0.63 | 0.22 | 0.45 | 1.29 | | | | 2.01 | |
| Cedar City | 2.19 | 1.03 | 1.38 | 0.67 | 0.96 | 0.00 | 1.78 | 4.07 | 0.21 | 4.28 | 0.67 | 0.95 | 18.19 |
| Cedar Fort | 2.17 | 1.94 | 2.10 | 0.07 | 0.02 | 0.00 | 0.14 | 0.09 | 0.62 | 1.86 | 0.24 | | |
| Center | 5.13 | 0.55 | 1.10 | 0.40 | 0.47 | 0.48 | 0.34 | 1.10 | | | | | |
| Clarkston | 2.45 | 0.70 | 3.00 | 1.45 | 1.30 | 1.25 | 0.50 | 0.05 | 0.00 | 3.70 | 0.25 | 2.55 | 17.20 |
| Corinne | 2.78 | 1.41 | 1.61 | 1.24 | 0.60 | 0.55 | 0.25 | 0.97 | 0.62 | 3.80 | 0.73 | 3.59 | 18.15 |
| Cottonwood nursery | | | | | 0.83 | 0.77 | 0.51 | 2.91 | 1.46 | 5.45 | 1.42 | | |
| Cottonwood Sevier | | | | | | 0.00 | 4.72 | 2.69 | 1.62 | 3.58 | | | |
| Daniel's Canyon R. S | | | | | | | | 1.29 | 0.89 | | | | |
| Deep Creek | 1.82 | 0.56 | 1.74 | 1.06 | | | | | | | | | |
| Deseret | 1.96 | 0.33 | 1.10 | 0.08 | 0.35 | T. | 0.44 | 0.45 | 0.13 | 3.01 | 0.28 | 0.56 | 8.69 |
| Dry Gulch Ranger Station | | | | | | T. | 1.86 | 1.86 | 0.84 | 3.99 | 0.47 | | |
| Duchesne | 2.17 | 0.50 | 0.99 | 0.04 | T. | T. | 1.70 | 0.84 | 0.28 | 3.41 | 0.05 | 0.36 | 10.34 |
| East Fork | | | | | | | | 2.76 | 1.19 | 3.54 | | | |
| East Portal | 6.02 | 3.96 | 5.18 | 0.45 | 0.08 | T. | 1.35 | 1.34 | 1.08 | 4.90 | 1.15 | 2.78 | 28.29 |
| Elberta | 2.73 | 0.61 | | | | | | | | 1.65 | | 1.06 | |
| Elkhorn Ashley | | | | | | | | 1.28 | 0.45 | 2.82 | | | |
| Emery | 2.50 | 0.09 | | T. | 0.00 | 0.00 | 1.12 | 0.83 | 0.56 | 3.87 | T. | 0.40 | |
| Enterprise | 4.77 | 0.67 | 1.38 | 1.05 | 1.07 | 0.00 | 1.59 | 2.12 | 0.15 | 2.98 | 0.28 | 0.55 | 16.61 |
| Erekson | 2.54 | 0.83 | 1.81 | 0.29 | 0.38 | 0.29 | 0.78 | | | | | | |
| Escalante | | | | | | 0.01 | 3.13 | 1.25 | 0.02 | 5.57 | T. | 1.09 | |
| Farmington | 3.37 | 1.57 | 3.00 | 1.89 | 0.31 | 0.95 | 0.95 | 2.70 | 1.83 | 5.59 | 0.41 | 4.60 | 27.17 |
| Fillmore | 2.33 | 1.12 | 2.31 | 0.25 | 0.77 | T. | 1.80 | 0.19 | 0.01 | 2.09 | 0.32 | 1.29 | 12.48 |
| Fishlake | | | | | | | 2.95 | 1.87 | | | | | |
| Fort Duchesne | 2.01 | 0.56 | 0.95 | 0.01 | 0.00 | | 0.96 | 0.28 | | | | | |
| Fruitland | 5.02 | 1.74 | 1.63 | 0.15 | 0.07 | T. | 1.89 | 0.85 | 0.21 | 3.27 | 0.63 | 1.40 | 16.86 |
| Garland | 2.21 | 2.98 | 1.98 | 1.23 | 0.77 | 0.68 | 0.76 | 0.17 | 1.53 | 2.69 | 0.51 | 3.02 | 18.53 |
| Garrison | 3.39 | | | 0.01 | 0.45 | 0.15 | | 1.43 | 0.40 | 2.88 | 0.00 | 0.67 | |
| Gooseberry Ranger Station | | | | | | 0.00 | 1.53 | 0.25 | 4.15 | | | | |
| Government Creek | 3.35 | 0.47 | 1.58 | 0.83 | 0.65 | 0.45 | 0.80 | 1.51 | 0.53 | 2.38 | 0.51 | 2.23 | 15.20 |
| Grantsville | 2.63 | 0.80 | 0.82 | 1.29 | 0.60 | 1.17 | 0.97 | 0.82 | 0.21 | 2.15 | 0.46 | 0.79 | 12.71 |
| Green River | 1.38 | 0.07 | 0.92 | 0.10 | | | | | | 2.71 | 0.00 | 0.17 | |
| Green River Ranger Station | | | | | | 0.00 | 0.60 | 0.14 | | | | | |
| Hanksville | 1.43 | 0.50 | 0.72 | 0.06 | 0.00 | 0.00 | 0.58 | 2.44 | 0.00 | 2.43 | 0.00 | 0.30 | 8.46 |
| Hatch | 3.71 | 0.50 | 1.53 | 0.59 | 0.27 | 0.00 | 3.76 | 1.81 | 0.20 | 1.10 | 0.02 | 2.25 | 15.74 |
| Hayden | 2.38 | 0.39 | 1.08 | 0.02 | 0.00 | 0.00 | 0.34 | 0.95 | 0.26 | 2.47 | 0.05 | 0.44 | 8.38 |
| Heber | 4.06 | 1.95 | 3.05 | 0.74 | 0.10 | 0.13 | 1.05 | 1.45 | 1.43 | 3.80 | 0.62 | 3.55 | 22.03 |
| Henefer | 4.97 | 2.03 | 3.19 | 0.93 | 0.21 | 0.38 | 0.36 | 0.88 | 0.82 | 3.15 | 0.94 | 4.13 | 21.99 |
| High Line City Creek | 5.12 | 3.04 | 4.39 | 1.30 | 0.68 | 1.02 | 1.18 | 0.63 | 0.92 | 3.33 | 1.91 | 5.78 | 29.30 |
| Hole in the Rock | | | | | | | 0.37 | 0.57 | 0.52 | 2.01 | 0.80 | 1.20 | |
| Holestein | | | | | | | | 1.21 | 0.10 | 2.91 | 0.86 | 3.17 | |
| Howell | | | | | | | | | | | 0.30 | 1.60 | |
| Hurricane | 3.85 | 0.82 | 0.82 | 0.85 | 0.90 | 0.00 | 3.17 | | 0.40 | 2.40 | 0.00 | 0.25 | |
| Ibapah | 1.65 | 0.36 | 0.89 | 0.87 | 0.54 | 1.14 | 0.76 | 1.15 | 0.37 | 1.89 | 0.33 | 1.11 | 11.06 |
| Indian Canyon Ranger Station | | | | | | 0.00 | 0.16 | 0.22 | 0.01 | | | | |
| Indian Farm | 1.36 | 1.06 | 0.56 | 0.78 | 0.46 | 0.55 | 1.01 | 1.26 | 0.56 | 1.97 | 0.18 | 0.74 | 10.49 |
| Iosepa | 2.32 | 1.06 | 1.04 | | | | | | 0.03 | | 0.41 | 0.85 | |
| Joseph | 1.11 | 0.45 | 1.21 | 0.05 | 0.00 | 0.00 | 0.96 | 0.16 | 0.29 | 2.06 | 0.24 | | |
| Jozella Ranch | 3.43 | 0.57 | 3.16 | 0.42 | 1.20 | T. | 1.87 | 2.20 | 0.00 | 0.09 | T. | 0.20 | 13.14 |
| Junction | 1.01 | 0.70 | 1.50 | 0.09 | 1.10 | 0.00 | 2.84 | 0.43 | 0.13 | 2.61 | T. | 0.23 | 10.64 |
| Kanab | 5.51 | 0.94 | 1.24 | 1.05 | 0.40 | 0.00 | 2.61 | 0.70 | | | | | |
| Kanosh | 2.01 | 1.54 | 1.99 | 0.14 | 0.76 | 0.00 | 1.76 | 0.18 | 0.30 | 1.75 | 0.70 | 1.58 | 12.71 |
| Kelton | 1.65 | 1.46 | 0.91 | 0.08 | 0.21 | 0.22 | 0.86 | 0.16 | 0.24 | 0.95 | 0.20 | 0.91 | 7.85 |
| Kooshareem Ranger Station | | | | | | | 2.45 | 1.02 | | | | | |
| Lake Creek Ranger Station | | | | | | | | 1.38 | 1.41 | | | | |
| Lake View Farm | 4.17 | 1.80 | 2.14 | 0.20 | 0.35 | 0.04 | 2.56 | 0.90 | 0.14 | 2.07 | 0.17 | 2.50 | 17.04 |
| La Sal | 1.78 | 0.77 | 1.28 | 0.94 | 0.54 | T. | 2.32 | 2.12 | 0.56 | 2.47 | 0.09 | 0.59 | 13.46 |
| Leeds (near) | 5.96 | 0.64 | 1.95 | 0.57 | 1.10 | 0.00 | 2.11 | 1.44 | T. | 2.50 | 0.00 | 1.10 | 17.37 |
| Leeds R. S | | | | | 1.03 | | | | | | | | |
| Lehi | 3.06 | 1.84 | 2.91 | 0.16 | 0.92 | 0.28 | 0.77 | 1.33 | 0.65 | 2.03 | 0.30 | 2.80 | 17.05 |
| Lemay | 0.56 | 0.59 | 1.20 | 0.10 | 0.25 | 0.10 | T. | 0.00 | T. | | 0.15 | | |
| Levan | 5.01 | 0.99 | 3.51 | 0.45 | 0.45 | 0.00 | 1.23 | 1.20 | 0.45 | 2.38 | 0.68 | 2.24 | 18.79 |
| Logan | 2.61 | 2.62 | 2.17 | 1.73 | 0.91 | 0.88 | 0.08 | 0.20 | 0.10 | 3.78 | 0.80 | 2.89 | 18.77 |
| Lone Tree | 2.51 | 0.77 | 1.18 | 0.05 | 0.00 | 0.00 | 0.66 | 0.84 | 0.64 | 2.57 | | 0.21 | |
| Low | 0.80 | 0.20 | 1.12 | | 0.50 | 0.65 | 0.01 | 0.42 | 0.23 | 1.39 | 0.20 | | |
| Lowder Ranger Station | | | | | | | 5.19 | 4.29 | 1.14 | | | | |
| Lower American Fork | 2.86 | 1.60 | 3.94 | 0.21 | 0.42 | 0.15 | 0.77 | 1.66 | 0.98 | 3.89 | 0.65 | 2.80 | 19.93 |
| Lower Mill Creek | 3.44 | 1.23 | 3.24 | 0.74 | 1.14 | 0.82 | 0.81 | 1.49 | 1.21 | 2.90 | 1.43 | 3.75 | 22.20 |
| Lucin | 1.19 | 1.18 | 0.42 | 0.04 | 0.65 | 0.00 | 0.10 | 0.15 | 0.15 | 1.74 | 0.14 | 0.18 | 5.74 |
| Mammoth Ranger Station | | | | | | 0.10 | 2.20 | 1.25 | 0.85 | | | | |
| Manila | 1.00 | T. | 0.50 | 0.40 | 0.39 | 0.15 | 1.14 | 0.97 | 0.14 | 2.03 | 0.33 | 0.05 | 7.10 |
| Manti | 2.43 | 1.17 | 1.83 | 0.21 | 0.65 | 0.06 | 0.82 | 1.94 | 0.70 | 2.59 | 0.46 | 0.33 | 13.19 |
| Manti Forest (No. 1) | | | | | | | | 1.77 | 0.34 | | | | |
| Manti Forest (No. 2) | | | | | | | | 1.83 | 0.38 | | | | |
| Manti Forest (No. 3) | | | | | | | | 1.85 | 0.36 | | | | |
| Marysvale | | | | | | | | | 0.27 | 3.11 | | | |
| Meadowville | 1.00 | 3.50 | 1.47 | 0.77 | 0.75 | 0.85 | 0.30 | 0.45 | 0.00 | 1.46 | 0.60 | 1.36 | 12.53 |
| Midlake | 1.80 | 0.80 | | | | 0.10 | 0.10 | 0.05 | T. | 0.28 | 0.05 | 1.00 | |
| Midvale | 3.08 | 1.00 | 2.61 | 0.79 | 0.70 | 0.59 | 0.21 | 1.02 | 0.86 | 1.69 | 0.85 | 2.50 | 15.90 |
| Milford | 1.95 | 0.76 | 1.85 | 0.11 | 0.55 | 0.00 | 1.86 | 0.56 | 0.61 | 3.15 | 0.34 | 0.43 | 12.17 |
| Mills | 2.12 | 0.53 | 0.93 | 0.27 | 0.46 | T. | 2.02 | 1.22 | 0.52 | 1.91 | 0.39 | | |
| Millville | 3.06 | 3.47 | 3.17 | 1.72 | 0.80 | 0.95 | 0.26 | 0.17 | 0.27 | 3.19 | 1.34 | 3.18 | 21.58 |
| Mineral Mine | | | | | | | 2.99 | 1.96 | 0.79 | | | | |
| Minersville | 2.62 | 0.95 | 1.83 | 0.09 | 0.58 | 0.00 | 1.32 | 0.98 | 0.62 | 2.95 | 0.18 | 0.60 | 12.72 |
| Moab | 3.52 | 0.45 | 1.17 | 0.45 | 0.90 | 0.00 | 0.53 | 0.90 | 0.73 | 4.20 | 0.95 | 0.33 | 13.23 |
| Modena | 3.47 | 0.52 | 1.50 | 0.23 | 0.62 | 0.01 | 4.72 | 1.97 | 0.71 | 2.18 | 0.07 | 0.67 | 16.67 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Utah*—Continued. | | | | | | | | | | | | | |
| Mohrland | | | | | | | | | | | T. | 2.61 | |
| Monticello | 2.70 | 0.47 | 2.25 | 1.22 | 0.30 | 0.00 | 3.96 | 1.92 | 0.37 | 7.25 | 0.05 | 1.28 | 21.77 |
| Monticello Ranger Station | 2.09 | 0.88 | 0.23 | 2.28 | 0.32 | T. | 3.44 | 1.97 | 0.33 | 6.67 | 0.00 | 1.79 | 20.00 |
| Morgan | 2.05 | 1.35 | 1.88 | 1.05 | | | 0.32 | 0.26 | 0.63 | 4.00 | 0.90 | | |
| Moroni | 4.59 | 1.89 | 3.04 | 0.30 | 0.20 | T. | 0.93 | 0.81 | 0.81 | 2.90 | 0.53 | 1.94 | 17.94 |
| Mosida | 2.92 | 1.93 | 1.02 | 0.25 | 0.50 | 0.14 | 0.91 | 0.35 | 0.27 | 1.91 | 0.00 | 1.34 | 11.54 |
| Mountain Home | 4.70 | 0.65 | 1.38 | 0.02 | 0.00 | 0.02 | 1.84 | 0.90 | 1.22 | 3.05 | | | |
| Mount Ranch Ranger Station | | | | | | | 1.74 | 1.25 | 0.08 | 3.20 | | | |
| Myton | 2.03 | 0.26 | 0.46 | 0.03 | 0.00 | 0.00 | 0.73 | 0.26 | 0.35 | 2.74 | 0.11 | 0.16 | 7.14 |
| Nada | 3.03 | 0.53 | 1.39 | 0.25 | 0.90 | T. | 2.74 | 2.75 | 0.01 | 2.93 | 0.07 | 0.20 | 14.90 |
| Nephi (near) | 1.95 | 1.75 | 2.96 | 0.28 | 0.96 | 0.00 | 1.14 | 0.78 | 0.50 | 2.54 | 0.20 | 1.26 | 14.32 |
| New Castle | 3.96 | 0.73 | 1.64 | 0.80 | 1.20 | 0.00 | 1.26 | 3.69 | | | | | |
| New Harmony | 9.02 | 0.10 | 5.02 | 0.00 | | 0.00 | 3.42 | 0.90 | 2.08 | 5.24 | 0.00 | 1.27 | |
| Oak City | | | | | 0.63 | T. | 1.11 | 0.96 | | | | | |
| Ogden | 2.25 | 3.21 | 2.14 | 1.68 | 0.76 | 0.55 | 0.17 | 1.46 | 0.67 | 4.27 | 0.98 | 2.10 | 20.24 |
| Orderville | 6.30 | 1.14 | 2.63 | 1.19 | 0.54 | 0.00 | 5.57 | 2.44 | 0.74 | 2.79 | 0.00 | 1.02 | 24.36 |
| Panguitch Lake | | | | | | | 3.77 | 2.00 | | | | | |
| Park City | | | | | | | | 1.53 | 0.24 | 1.00 | 1.23 | 4.05 | |
| Park Valley | 1.13 | 1.01 | 1.16 | 0.11 | 0.37 | 0.15 | 2.06 | 0.66 | 0.10 | 1.73 | 0.22 | 1.90 | 10.60 |
| Parowan | 2.76 | 1.07 | 1.03 | 1.00 | 0.60 | T. | 3.95 | 1.89 | 0.15 | 2.37 | 0.80 | 0.68 | 16.30 |
| Pasadena Ranch | 3.15 | 1.20 | 2.60 | 0.66 | 1.45 | 0.00 | 1.87 | 1.63 | 0.11 | 2.40 | 0.30 | 0.60 | 15.97 |
| Payson | 3.93 | 1.12 | 2.17 | 0.53 | 0.70 | 0.18 | 0.59 | 0.85 | 0.47 | 3.02 | 0.62 | 1.76 | 15.94 |
| Pinecrest | | | | | | | | | | 3.48 | 3.60 | 8.09 | |
| Pine Valley | | | | | | | | | | | 0.00 | 1.40 | |
| Pine View | 4.00 | 0.50 | | 0.60 | 0.10 | 0.00 | 0.90 | | | 1.70 | 0.40 | 1.19 | |
| Pinto | 3.59 | 1.35 | 2.74 | 0.68 | 1.12 | 0.00 | 2.60 | 2.58 | 0.35 | 4.15 | 0.40 | 0.51 | 20.07 |
| Price | | 0.04 | 0.30 | | 0.00 | 0.00 | 0.67 | 1.19 | 0.45 | | | | |
| Provo | 3.52 | 2.33 | 3.34 | 0.39 | 0.38 | 0.21 | 1.17 | 0.67 | 0.92 | 4.21 | 0.55 | 2.87 | 20.56 |
| Randolph | 2.07 | 0.98 | 0.65 | 0.58 | 0.65 | 0.46 | 0.41 | 0.55 | 0.03 | 1.50 | 0.25 | 1.24 | 9.37 |
| Reed | | | | | | 0.00 | 0.93 | 0.36 | | | | | |
| Revere | 3.59 | 0.75 | 1.43 | 0.56 | 0.55 | 0.62 | 0.77 | 1.55 | 1.51 | 1.16 | | | |
| Richfield | 1.30 | 0.72 | 1.45 | T. | | | | | 0.73 | 2.21 | 0.17 | 0.75 | |
| Richmond | 3.67 | 4.54 | 3.87 | 1.75 | 0.93 | 1.03 | 0.26 | 0.35 | 0.31 | 3.13 | 1.06 | 4.17 | 25.07 |
| Riverdale | 1.78 | 2.15 | 0.62 | 1.67 | 0.83 | 0.39 | 0.85 | 0.62 | 0.64 | 4.68 | 0.68 | 1.08 | 15.99 |
| Rozel | | | | | | | | | 0.32 | 3.00 | 0.25 | 1.21 | |
| St. George | | | | | | 0.00 | 1.72 | 0.61 | 0.00 | 1.49 | 0.00 | 0.11 | |
| St. John | | | | | | | | | | | | 1.50 | |
| Saltair | 2.01 | 1.43 | 1.66 | 0.95 | 0.18 | 0.88 | 0.54 | 0.51 | 0.43 | 2.99 | 1.44 | 1.59 | 14.61 |
| Salt Lake City | 1.96 | 1.18 | 3.03 | 0.88 | 0.61 | 0.66 | 0.63 | 0.60 | 0.50 | 2.45 | 0.92 | 2.64 | 16.06 |
| Santaquin | 4.77 | 1.27 | 3.10 | 0.67 | 0.50 | 0.35 | 0.27 | 0.23 | 0.90 | 3.11 | 0.64 | 3.17 | 18.88 |
| Scipio | 4.17 | 2.08 | 2.32 | 0.39 | 0.40 | 0.05 | 1.25 | 0.04 | 0.04 | 2.00 | 0.70 | 0.68 | 14.12 |
| Scofield | 3.38 | 1.49 | 1.28 | 0.63 | 0.11 | 0.01 | 2.13 | | 0.23 | 4.31 | 0.52 | 0.86 | |
| Silver City | | | | 0.38 | 0.74 | 0.24 | 0.68 | 0.06 | 0.44 | 2.72 | 0.64 | 1.59 | |
| Silver Lake | 9.68 | 6.17 | 6.73 | 5.00 | 0.25 | 0.05 | 0.38 | 2.29 | 2.39 | 6.41 | 1.93 | 5.00 | 46.28 |
| Snake Creek | 6.77 | 3.82 | 4.36 | 1.16 | 0.09 | 0.17 | 1.51 | 1.81 | 3.14 | 3.25 | 0.95 | 6.70 | 33.73 |
| Snowville | 2.03 | 2.46 | 1.40 | 0.14 | 0.42 | 0.66 | 0.40 | 0.20 | 0.20 | 2.28 | 0.55 | 2.35 | 13.09 |
| South Fork Ranger Station | | | | | | | | 2.99 | 1.66 | | | | |
| Spanish Fork | 4.19 | 1.43 | 2.31 | 0.87 | 0.27 | 0.07 | 0.65 | 0.56 | 0.66 | 2.58 | 0.86 | 3.45 | 17.90 |
| Springdale | | 0.87 | 2.94 | 1.08 | 0.96 | 0.00 | 3.16 | 0.88 | 0.81 | 2.38 | 0.00 | 0.73 | 23.07 |
| Standrod | 0.99 | 1.07 | 2.47 | 0.59 | 1.29 | 0.21 | 1.60 | 0.98 | 0.10 | 2.32 | 0.56 | 1.76 | 13.94 |
| Sunnyside | 4.08 | 0.79 | 2.25 | 0.55 | T. | 0.00 | 1.72 | 2.75 | 0.98 | 4.24 | 0.20 | 1.35 | 18.91 |
| Teasdale | 0.93 | T. | 0.34 | 0.46 | 0.03 | 0.13 | 2.13 | 1.01 | 0.10 | 4.15 | T. | 0.07 | 9.35 |
| Thistle | 7.67 | 2.26 | 2.97 | 0.87 | 0.14 | 0.19 | 1.20 | 0.62 | 0.90 | 2.83 | 1.20 | 3.89 | 24.74 |
| Thompsons | | T. | 1.83 | T. | T. | 0.00 | 0.12 | 0.20 | 0.14 | | | | |
| Tooele | 4.74 | 1.02 | 2.88 | 1.11 | 0.81 | 1.03 | 0.25 | 1.21 | 0.80 | 1.91 | 1.47 | 2.55 | 19.78 |
| Tremonton | 2.41 | 4.13 | 1.63 | 0.49 | 0.69 | 0.63 | 0.94 | 0.19 | 0.61 | 2.86 | 0.48 | 1.41 | 16.47 |
| Tropic | 4.92 | 0.39 | 0.61 | 0.34 | 0.13 | 0.00 | 2.32 | | | | | | |
| Trout Creek Ranger Station | | | | | | 0.01 | 2.12 | 2.40 | 0.85 | 4.28 | 0.34 | | |
| University of Utah | 2.69 | 1.47 | 2.40 | 0.84 | 0.57 | 0.87 | 0.62 | 0.58 | 1.52 | 2.50 | 0.90 | 2.81 | 17.77 |
| Utah Experiment Station | 7.05 | 2.72 | 4.84 | 1.00 | 1.00 | 0.18 | 1.56 | 2.18 | 0.52 | 4.36 | 2.56 | 4.89 | 32.86 |
| Utah Experiment Station Alpine | 4.14 | | | | | 0.18 | 1.77 | 1.81 | 0.39 | 2.98 | 2.99 | 4.12 | |
| Vernal | 2.83 | 1.00 | 1.16 | 0.05 | 0.00 | 0.00 | 0.22 | 0.39 | 0.25 | 2.64 | 0.10 | | |
| Victor | 1.47 | 0.68 | 0.37 | 0.00 | 0.00 | 0.00 | 0.38 | 1.36 | 0.60 | 1.80 | T. | 0.08 | 6.74 |
| Warner Ranger Station | | | | | | 0.01 | 5.50 | 3.17 | 0.87 | | | | |
| Watson | 1.92 | 0.22 | 0.22 | 0.01 | 0.31 | T. | 2.85 | 2.52 | 0.00 | 3.35 | 0.40 | 0.47 | 12.27 |
| Wendover | 1.32 | 0.17 | 0.24 | 0.17 | 0.26 | 0.14 | 0.06 | 0.17 | 0.03 | 1.11 | 0.02 | 0.08 | 3.72 |
| Whiskey Creek | 1.89 | 1.05 | 1.94 | 0.13 | 0.57 | 0.00 | 0.94 | 0.00 | 1.03 | 1.75 | 0.31 | 1.71 | 11.32 |
| Wild Cat Ranger Station | | | | | | | | | | 4.86 | | | |
| Winder | | 0.11 | 0.13 | 0.04 | 0.41 | 0.00 | 2.75 | 3.40 | 0.74 | 0.96 | 0.00 | 0.98 | |
| Woodruff | 1.58 | 0.66 | 1.00 | 0.86 | T. | | | 1.20 | 0.00 | 2.53 | 0.30 | 1.34 | |
| Woodside | 3.20 | 0.25 | 0.44 | 0.12 | 0.03 | | | | | | | | |
| Yellow Pine | | | | | | | | | 0.18 | 4.04 | | | |
| *Vermont.* | | | | | | | | | | | | | |
| Bloomfield | 1.82 | 2.11 | 0.80 | 2.56 | 3.26 | 5.62 | 5.29 | 4.16 | 4.73 | 2.01 | 4.58 | 1.77 | 38.71 |
| Burlington | 0.87 | 2.32 | 1.31 | 1.85 | 4.69 | 4.32 | 1.67 | 1.09 | 4.06 | 1.43 | 2.08 | 2.79 | 28.45 |
| Cavendish | 2.06 | 2.46 | 4.32 | 4.59 | 3.12 | 5.73 | 2.79 | 1.30 | 5.23 | 1.45 | 3.62 | 1.84 | 38.51 |
| Chelsea | 1.73 | 2.96 | 1.53 | 2.25 | 3.69 | 5.10 | 2.39 | 1.91 | 4.87 | 1.36 | 2.69 | 2.21 | 32.65 |
| Cornwall | 1.24 | 2.48 | 2.15 | 1.82 | 2.81 | 3.61 | 2.17 | 1.38 | 3.36 | 1.73 | 1.69 | 1.84 | 26.28 |
| Enosburg Falls | 1.82 | 2.09 | 0.97 | 1.62 | 4.14 | 3.53 | 4.48 | 3.38 | 5.95 | 2.52 | 3.24 | 3.23 | 36.97 |
| Hyde Park | 1.70 | 2.09 | 1.36 | 2.63 | 3.23 | 5.30 | 2.61 | 2.74 | 4.65 | 2.84 | 3.38 | 2.68 | 35.21 |
| Northfield | 1.14 | 2.71 | 1.31 | 1.94 | 3.83 | 4.47 | 4.02 | 1.94 | 3.00 | 2.09 | 3.13 | 1.78 | 31.36 |
| Rutland | | | | | | | | | 3.70 | 2.59 | 3.20 | 1.31 | |
| Somerset | 4.00 | 5.18 | 4.71 | 4.70 | 3.94 | 4.40 | 4.46 | 2.20 | 5.22 | 2.52 | 5.56 | 3.80 | 50.49 |
| St. Johnsbury | 1.93 | 2.59 | 1.52 | 1.68 | 3.48 | 4.35 | 2.02 | 4.62 | 5.55 | 1.65 | 2.94 | 1.80 | 34.14 |
| Vernon | 1.46 | 3.20 | 1.74 | 2.44 | 2.86 | 4.30 | 4.07 | 3.55 | 6.84 | 1.40 | 3.45 | 1.83 | 37.23 |
| Wells | 1.46 | 3.20 | 3.46 | 2.25 | 1.95 | 2.83 | 3.84 | 2.60 | 3.85 | 2.47 | 3.84 | 3.17 | 34.92 |
| Woodstock | 1.79 | 3.14 | 3.15 | 3.26 | 3.50 | 6.13 | 2.66 | 1.48 | 5.93 | 1.75 | 3.21 | 2.12 | 38.12 |
| *Virginia.* | | | | | | | | | | | | | |
| Arcola-Catharpin | 1.16 | 2.66 | 2.91 | 3.29 | 2.92 | 10.86 | 5.91 | 1.60 | 1.83 | 2.28 | 2.46 | 3.39 | 41.27 |
| Ashland | 0.75 | 2.66 | 1.11 | 1.69 | 4.33 | 7.64 | 3.43 | 1.22 | 2.37 | 1.78 | 1.60 | 3.84 | 32.42 |
| Blacksburg | 3.12 | 4.30 | 2.52 | 3.28 | 3.81 | 8.07 | 7.79 | 3.64 | 3.97 | 2.88 | 1.44 | 2.46 | 47.28 |
| Buchanan | 1.87 | 3.46 | 1.99 | 2.39 | 1.99 | 7.20 | 6.80 | 4.65 | 4.90 | 2.64 | 1.20 | 1.67 | 40.76 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Virginia*—Continued. | | | | | | | | | | | | | |
| Burkes Garden | 4.98 | 4.13 | 2.45 | 2.00 | 2.22 | 3.60 | 10.50 | 8.45 | 2.33 | 2.13 | 1.94 | 2.25 | 46.98 |
| Callaville | 1.95 | 4.41 | 1.26 | 2.32 | 3.64 | 6.72 | 5.68 | 2.51 | 5.29 | 2.22 | 1.39 | 3.12 | 40.51 |
| Cape Henry | 1.92 | 2.54 | 1.54 | 1.29 | 4.17 | 3.03 | 4.31 | 3.08 | 1.50 | 2.20 | 0.79 | 2.60 | 28.97 |
| Catawba Sanatorium | 1.80 | 3.26 | ..... | 2.83 | 2.21 | 3.64 | 7.38 | 4.10 | 2.72 | 2.92 | 1.00 | 2.01 | ..... |
| Charlottesville (near) | 1.34 | 4.10 | 4.23 | 2.35 | 3.61 | 10.10 | 3.78 | 4.47 | 1.95 | 2.60 | 1.64 | 2.91 | 43.06 |
| Clarksville | 1.26 | 5.33 | 1.12 | 2.21 | 3.97 | 6.58 | 5.04 | 1.39 | 1.36 | 1.67 | 1.51 | 2.89 | 34.33 |
| Columbia | 1.22 | 3.53 | 2.95 | 2.92 | 3.28 | 9.32 | 5.60 | 3.58 | 1.97 | 1.81 | 1.48 | 4.34 | 42.00 |
| Culpeper | 1.54 | 2.83 | 2.80 | 3.52 | 6.40 | 9.95 | 6.61 | 2.91 | 3.32 | 2.27 | 1.31 | 2.94 | 46.42 |
| Dale Enterprise | 1.73 | 1.75 | 3.42 | 2.96 | 4.01 | 6.30 | 5.89 | 2.79 | 3.68 | 1.82 | 1.00 | 2.75 | 38.10 |
| Danville | 0.80 | 4.39 | 1.23 | 2.19 | 7.15 | 6.85 | 4.94 | 2.72 | 1.00 | 2.36 | 1.00 | 2.66 | 37.29 |
| Diamond Springs | 2.79 | 4.02 | 2.39 | 2.03 | 6.62 | 3.25 | 5.57 | 4.38 | 2.13 | 2.78 | 1.82 | 3.73 | 41.51 |
| Doswell (near) | 1.13 | 2.98 | 0.87 | ..... | 3.40 | 7.73 | 4.28 | 1.10 | 1.74 | 2.25 | 1.49 | 4.15 | ..... |
| Dry Bridge | 1.41 | 3.64 | 2.14 | 1.93 | 4.32 | 6.75 | 4.21 | 1.87 | 2.28 | 1.15 | 1.28 | 3.50 | 34.48 |
| Elk Knob | 4.99 | 3.99 | 3.05 | 2.59 | 2.84 | 4.10 | 6.12 | 6.38 | 2.06 | 3.14 | 1.78 | 4.49 | 45.53 |
| Fredericksburg (near) | 1.42 | 3.54 | 1.62 | 2.65 | 4.61 | 8.32 | 4.13 | 5.93 | 2.61 | 1.68 | 1.81 | 4.11 | 42.43 |
| Gordonsville | 1.20 | 3.00 | 2.75 | 4.65 | 4.10 | 9.45 | 3.45 | 3.10 | 3.78 | 2.10 | 1.50 | 2.98 | 42.06 |
| Hopewell | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.77 | 1.12 | 2.76 | ..... |
| Hot Springs | 1.75 | 1.48 | 0.72 | 3.30 | 2.67 | 4.98 | 4.01 | 3.09 | 4.85 | 2.64 | 1.12 | 2.82 | 33.43 |
| Ivanhoe | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.80 | 1.82 | ..... |
| Ivor | 1.60 | 2.39 | ..... | 1.82 | 5.55 | 3.75 | 4.12 | 5.87 | 3.57 | 2.43 | 2.36 | 3.23 | 38.39 |
| Lassiter | 1.11 | 3.65 | 2.74 | 1.67 | 4.07 | 7.71 | 10.12 | 3.21 | 2.78 | 1.87 | 2.28 | 3.05 | 44.26 |
| Leeds Manor | 2.12 | 2.38 | 4.26 | 3.93 | 3.18 | 11.03 | 6.29 | 3.37 | 3.53 | 2.94 | 1.39 | 2.64 | 47.06 |
| Lexington | 1.68 | 2.75 | 2.20 | 1.85 | 1.98 | 4.60 | 4.34 | 3.04 | 2.99 | 2.30 | 1.34 | 2.78 | 31.81 |
| Lincoln | 1.84 | 1.09 | 1.32 | 3.08 | 3.37 | 8.73 | 2.99 | 1.74 | 1.93 | 1.62 | 1.87 | 1.57 | 31.15 |
| Lynchburg | 0.99 | 2.92 | 1.32 | 1.94 | 5.13 | 6.28 | 9.76 | 2.69 | 2.55 | 2.22 | 1.52 | 2.32 | 39.84 |
| Mayhurst | 1.26 | 3.40 | 2.86 | 2.44 | 4.19 | 9.62 | 3.08 | 3.27 | 2.76 | 2.05 | 1.26 | 3.85 | 40.04 |
| Mendota | 5.18 | 4.99 | 4.08 | 2.83 | 3.35 | 3.30 | 6.66 | 3.83 | 2.72 | 2.16 | 2.30 | 3.86 | 45.26 |
| Mineral (near) | ..... | ..... | ..... | ..... | 4.71 | 8.44 | 7.85 | 1.99 | 2.39 | 1.60 | 1.09 | 3.82 | ..... |
| Mount Moriah Farm | 0.51 | ..... | 1.45 | ..... | 6.19 | 7.45 | 3.77 | 3.72 | 2.77 | 1.40 | 1.43 | 2.90 | ..... |
| Mount Weather | 1.70 | 2.72 | 3.29 | 3.48 | 3.94 | 11.43 | 7.26 | 2.54 | 4.00 | 2.79 | 1.85 | 1.19 | 46.19 |
| Mouth of Wilson | 2.83 | 3.20 | 1.82 | 2.12 | 2.28 | ..... | 15.86 | 5.12 | 2.93 | 2.56 | 1.82 | 1.47 | 46.36 |
| Narrows | 4.14 | 4.32 | 2.86 | 1.14 | 1.83 | 5.28 | 11.09 | 2.99 | 2.79 | 2.22 | 0.82 | 2.55 | 42.03 |
| New Canton | 1.17 | 3.41 | 2.53 | 2.49 | 3.30 | 9.17 | 4.07 | 1.57 | 3.34 | 1.60 | 1.43 | 4.10 | 38.18 |
| Newport News | 2.71 | 4.37 | 2.06 | 1.84 | 5.87 | 3.66 | 3.40 | 4.54 | 3.59 | 1.92 | 1.68 | 3.38 | 39.02 |
| Norfolk | 2.07 | 4.03 | 1.68 | 1.95 | 5.48 | 1.98 | 3.05 | 2.99 | 3.53 | 2.62 | 1.34 | 3.11 | 33.83 |
| North Holston | ..... | ..... | 4.24 | 3.02 | 2.25 | 3.00 | 8.96 | 7.20 | 5.07 | 1.52 | 1.69 | 3.24 | ..... |
| Quantico | 1.70 | 3.63 | 1.73 | 2.81 | 3.23 | 5.95 | 3.60 | 3.11 | 3.25 | 2.68 | 3.07 | 2.70 | 37.46 |
| Radford | 3.62 | 4.71 | 1.87 | 1.42 | 1.67 | 4.37 | 6.01 | 2.56 | 2.82 | 2.44 | 1.06 | 1.66 | 34.21 |
| Randolph | 1.59 | 4.83 | 1.98 | 2.06 | 2.91 | 10.78 | 7.87 | 1.48 | 1.02 | 2.20 | 1.20 | 2.69 | 40.61 |
| Richmond | 1.51 | 3.68 | 1.57 | 1.94 | 4.74 | 8.72 | 5.39 | 1.55 | 2.01 | 1.44 | 1.31 | 3.40 | 37.26 |
| Roanoke | 1.81 | 4.13 | 1.56 | 1.49 | 2.13 | 6.91 | 6.38 | 5.01 | 2.63 | 3.47 | 1.22 | 1.23 | 37.97 |
| Rocky Mount | 1.58 | 4.31 | 1.69 | 1.97 | 4.21 | 8.30 | 5.64 | 7.40 | 3.25 | 3.41 | 1.28 | 2.19 | 45.23 |
| Runnymede | 1.68 | 4.33 | 2.41 | 1.74 | 4.95 | 3.35 | 3.38 | 3.93 | 3.25 | 3.07 | 2.70 | 4.21 | 39.00 |
| Speers Ferry | 3.43 | 4.59 | 1.91 | 2.63 | 2.94 | 3.51 | 5.19 | 3.51 | 1.28 | 2.71 | 2.41 | 3.97 | 35.08 |
| Staunton | 1.40 | 3.18 | 2.66 | 2.43 | 2.24 | 6.42 | 5.87 | 2.78 | 2.60 | 1.77 | 2.27 | 2.12 | 35.74 |
| Swetnam | 2.00 | 3.11 | 2.83 | 3.08 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Wachapreague | 1.22 | 3.79 | 2.50 | 3.02 | 4.32 | 2.90 | 4.02 | 3.20 | 1.95 | 2.68 | 1.44 | 2.46 | 33.50 |
| Warsaw (near) | 1.50 | 4.65 | 3.05 | 2.89 | 4.98 | 7.20 | 1.26 | 1.50 | 2.30 | 2.15 | 2.16 | 3.00 | 36.64 |
| Washington, D. C. | 1.57 | 2.86 | 2.80 | 2.96 | 2.30 | 7.53 | 4.97 | 2.83 | 2.57 | 1.76 | 2.11 | 4.03 | 38.27 |
| West Point | 1.03 | 3.68 | 1.28 | 2.37 | 4.15 | 3.92 | 5.06 | 2.02 | 3.97 | 3.01 | 1.51 | 3.88 | 35.88 |
| Williamsburg | 1.97 | 4.17 | 2.22 | 3.20 | 8.31 | 2.72 | 6.18 | 4.69 | 2.07 | 2.00 | 1.64 | 4.73 | 43.90 |
| Winchester | 1.51 | 2.50 | 4.75 | 4.40 | 3.71 | 6.81 | 3.92 | 1.91 | 2.54 | 1.95 | 1.10 | 2.52 | 37.62 |
| Woodstock | 2.32 | 1.66 | 3.97 | 3.09 | 2.26 | 6.96 | 3.09 | 1.71 | 2.73 | 1.94 | 0.70 | 1.50 | 31.93 |
| Wytheville | 3.57 | 3.16 | 2.47 | 1.99 | 1.45 | 4.09 | 8.06 | 9.53 | 3.03 | 2.18 | 0.87 | 2.20 | 42.42 |
| *Washington.* | | | | | | | | | | | | | |
| Aberdeen | 9.23 | 13.78 | 19.63 | 4.56 | 4.12 | 2.03 | 5.33 | 0.10 | 1.59 | 3.24 | 10.53 | 8.27 | 82.41 |
| Anacortes | 2.39 | 3.70 | 5.22 | 1.95 | 2.78 | 1.35 | 1.82 | 0.03 | 0.96 | 1.96 | 2.70 | 4.18 | 29.04 |
| Anatone | 3.81 | 5.40 | 3.57 | 1.11 | 2.33 | 2.77 | 0.78 | 1.81 | 0.20 | 0.60 | 1.60 | 2.75 | 26.73 |
| Attalia | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.13 | 0.05 | 0.25 | 1.20 | 1.38 | ..... |
| Baker | 3.90 | 9.70 | 13.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Bellingham | 2.51 | 4.04 | 6.27 | 2.25 | 1.37 | 1.93 | 3.05 | 0.26 | 0.77 | 1.94 | 2.83 | 4.53 | 31.75 |
| Blaine | 2.98 | 4.51 | 10.20 | 2.67 | 1.65 | 1.58 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Blewett | ..... | ..... | ..... | 0.32 | ..... | ..... | ..... | ..... | ..... | ..... | 2.01 | 2.82 | ..... |
| Bremerton | 3.94 | 6.28 | 6.34 | 1.70 | 2.00 | 1.52 | 2.57 | 0.16 | 0.30 | 2.24 | 5.08 | 4.11 | 36.24 |
| Brewster | 1.04 | 2.82 | 1.85 | 0.07 | 0.81 | 2.26 | 0.95 | 0.36 | 0.34 | 0.05 | 0.76 | 1.41 | 12.72 |
| Buckley | 2.38 | 5.53 | 9.28 | 4.69 | 3.94 | 4.33 | 4.89 | 0.26 | 2.00 | 1.97 | 6.55 | 6.65 | 52.47 |
| Bumping Lake | 5.43 | 11.70 | 11.26 | 2.16 | 1.74 | 1.65 | 2.63 | 0.28 | 0.80 | 2.10 | 5.40 | 4.91 | 50.06 |
| Cedar Lake | 7.90 | 15.30 | 24.60 | 9.65 | 6.65 | 4.45 | 6.30 | 1.25 | 4.00 | 5.00 | 15.10 | 13.05 | 113.25 |
| Centralia | 7.08 | 10.91 | 12.25 | 2.64 | 2.57 | 2.54 | 1.86 | T. | 2.04 | 1.76 | 5.46 | *5.24 | 54.35 |
| Clearbrook | 2.86 | 5.80 | 10.15 | 3.73 | 2.99 | 1.93 | 4.25 | 0.65 | 0.91 | 0.99 | 5.24 | 3.70 | 43.20 |
| Cle Elum | 2.72 | 5.09 | 5.31 | 0.48 | 0.84 | 1.56 | 1.77 | 0.42 | 0.30 | 0.54 | 2.09 | 3.07 | 24.19 |
| Colfax | 1.80 | 3.22 | 5.85 | 1.53 | 1.49 | 2.22 | 0.50 | 0.77 | 0.38 | 0.00 | 3.44 | 2.59 | 23.79 |
| Colville | 1.70 | 1.17 | 2.35 | 1.46 | 2.70 | 3.35 | 1.17 | 0.57 | 0.31 | 0.33 | 2.62 | 1.31 | 19.04 |
| Conconully | 1.38 | 1.51 | 0.93 | 0.45 | 1.62 | 2.48 | 1.73 | 0.05 | 0.48 | 0.33 | 0.72 | 1.24 | 12.92 |
| Coupeville | 1.26 | 2.99 | 3.11 | 1.04 | 3.00 | 1.29 | 1.27 | 0.01 | 0.51 | 1.01 | 1.18 | 5.49 | 22.16 |
| Cowiche | 0.92 | 1.95 | 1.36 | 0.00 | 0.76 | 0.38 | 1.41 | 0.00 | 0.00 | 0.00 | 0.83 | 1.38 | 8.99 |
| Darrington | 6.16 | 11.48 | 13.96 | 5.52 | 3.67 | 2.61 | 3.82 | 0.35 | 2.32 | 5.25 | ..... | 10.13 | ..... |
| Davenport | 2.43 | 1.16 | 2.52 | 1.23 | 1.29 | 2.58 | 0.33 | ..... | ..... | 0.23 | 0.86 | 1.31 | ..... |
| Davis Ranch | 5.33 | 12.51 | 8.34 | 6.69 | 2.63 | 1.82 | 2.67 | 0.23 | 3.21 | 5.72 | 11.84 | 8.38 | 69.57 |
| Dayton | 2.53 | 2.87 | 4.79 | 1.70 | 2.30 | 2.87 | 0.36 | 0.35 | 0.22 | 0.24 | 3.41 | 3.04 | 24.68 |
| Deer Park | 2.14 | 1.72 | 4.13 | 1.50 | 1.31 | 2.75 | 0.90 | 0.78 | 0.35 | 0.50 | 2.35 | 1.97 | 20.90 |
| Detroit | 5.94 | 9.89 | 11.06 | 3.77 | 2.16 | 1.53 | 2.49 | 0.55 | 0.17 | 3.25 | 7.43 | 5.42 | 53.71 |
| Dirtyface Mountain | 5.32 | 8.95 | 7.14 | 0.96 | 0.60 | 1.19 | 0.92 | 0.17 | 0.08 | 1.85 | 5.12 | 3.63 | 35.93 |
| Douglas Lake | 2.03 | 4.15 | 4.89 | 1.65 | 2.37 | 1.39 | 2.11 | 0.12 | 1.12 | 2.23 | 2.50 | 4.45 | 28.21 |
| Dryden | 2.93 | 6.31 | 3.76 | 0.21 | 0.25 | 1.73 | 1.02 | 0.15 | 0.35 | 0.34 | 1.43 | 1.81 | 20.29 |
| Ellensburg | 1.43 | 2.76 | 1.38 | 0.18 | 0.17 | 0.77 | 1.64 | 0.00 | 0.23 | T. | 0.61 | 1.10 | 10.27 |
| Eltopia | 1.90 | ..... | ..... | ..... | 0.08 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eureka | 2.62 | 4.46 | 0.86 | 0.92 | 0.97 | 1.14 | 0.23 | 0.05 | 0.05 | 0.17 | ..... | 1.44 | ..... |
| Everett | 4.43 | 6.25 | 5.58 | 1.17 | 2.94 | 2.34 | 3.12 | 0.24 | 2.02 | 1.44 | 3.44 | 5.82 | 38.79 |
| Fairfax | ..... | ..... | ..... | 5.79 | 4.91 | 3.93 | 4.80 | 0.50 | 2.20 | 2.39 | 7.51 | 7.96 | ..... |
| Forks | 15.37 | 14.10 | 22.61 | 10.64 | 5.07 | 1.95 | 3.70 | 0.00 | 1.60 | 8.94 | 13.38 | 12.75 | 110.11 |
| Fort Simcoe | 2.95 | 2.40 | 3.20 | 0.15 | 0.15 | 1.18 | 1.10 | T. | T. | 0.30 | 0.65 | ..... | ..... |
| Glacier | 3.98 | 8.52 | 9.28 | 3.29 | 3.90 | 2.41 | 5.58 | 0.48 | 2.43 | 4.05 | 8.78 | 5.27 | 57.97 |
| Glenoma | 4.42 | 9.33 | 13.35 | 4.39 | 3.55 | 2.21 | 5.02 | 0.93 | 1.84 | 2.94 | 8.76 | 8.00 | 64.74 |
| Goat Lake | 7.38 | 11.57 | 15.65 | 4.58 | 4.40 | 2.73 | 4.04 | 1.47 | 5.80 | 5.18 | 11.77 | 8.55 | 83.72 |
| Gold Creek | 1.96 | 2.15 | 3.60 | 0.20 | 0.25 | 1.45 | 1.50 | 0.20 | 0.30 | 0.40 | 1.65 | 1.85 | 15.51 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Washington*—Continued. | | | | | | | | | | | | | |
| Goldendale | 2.75 | 3.70 | 4.14 | 1.38 | 0.35 | 1.60 | 0.60 | 0.05 | 0.14 | 1.00 | 2.37 | 2.10 | 20.18 |
| Granger (near) | ..... | ..... | 0.91 | 0.12 | T. | 0.13 | 1.31 | T. | 0.15 | 0.15 | 0.77 | 0.83 | ..... |
| Granite Falls | 4.17 | 5.65 | 13.24 | 5.95 | 5.13 | 3.79 | 6.20 | 0.39 | 3.48 | 2.33 | 5.85 | 9.09 | 65.27 |
| Hanford | 0.69 | 1.54 | 0.55 | 0.77 | 0.01 | ..... | ..... | 0.00 | 0.02 | 0.00 | 1.20 | 0.87 | ..... |
| Harrington | 1.21 | 0.67 | 0.20 | 0.15 | 0.11 | 0.21 | 0.30 | 0.05 | 0.33 | 0.25 | 1.25 | ..... | ..... |
| Hatton | 1.00 | 2.57 | 1.85 | 1.24 | 0.59 | 1.09 | 0.35 | 0.24 | 0.18 | 0.05 | 1.46 | 1.29 | 11.91 |
| Hunters | 1.73 | 1.21 | 1.93 | 1.12 | 1.53 | 2.54 | 0.89 | 0.89 | 0.11 | 0.40 | 2.01 | 1.09 | 15.45 |
| Huntsville | 2.82 | 3.80 | 4.23 | 1.51 | 1.54 | 1.92 | 0.29 | 0.20 | 0.11 | 0.38 | 2.65 | 2.81 | 22.26 |
| Irene Mountain | 0.96 | 1.02 | 0.84 | 0.44 | 2.81 | 2.60 | 1.79 | 0.57 | 0.37 | 0.10 | 0.75 | 0.98 | 13.23 |
| Kahlotus | 1.66 | 2.63 | 3.12 | 1.41 | 0.57 | 1.00 | 0.17 | 0.25 | 0.20 | 0.04 | 1.65 | 1.53 | 14.23 |
| Kennewick | 1.99 | 2.43 | 1.53 | 1.17 | 0.25 | 1.23 | 0.77 | 0.02 | T. | 0.09 | 1.02 | 1.54 | 12.04 |
| Kent (near) | 3.51 | 8.13 | 8.34 | 3.49 | 1.42 | 2.72 | 3.19 | 0.10 | 0.56 | 1.56 | 6.09 | 4.28 | 43.39 |
| Kettle Falls | 2.29 | 1.16 | 2.18 | 1.00 | 2.03 | 2.92 | 0.98 | 0.76 | 0.26 | 0.45 | 3.28 | 1.72 | 19.03 |
| Keystone | 2.24 | 0.98 | 2.35 | 1.32 | 1.35 | 2.01 | 0.22 | 0.84 | 0.23 | 0.30 | 1.71 | 0.94 | 14.49 |
| Kiona | 0.69 | 2.25 | 1.24 | 0.89 | 0.42 | 0.66 | ..... | 0.17 | 0.00 | 0.09 | 1.32 | 0.93 | ..... |
| La Center | 5.78 | 7.49 | 11.82 | 3.67 | 4.17 | 2.86 | 3.88 | 0.37 | 1.14 | 0.93 | 7.04 | 5.72 | 54.87 |
| La Crosse | 1.72 | 3.08 | 4.50 | 1.58 | 1.08 | 2.62 | 0.80 | 0.70 | 0.55 | 0.06 | 2.89 | 1.95 | 21.53 |
| Lake Cealum | 3.72 | 5.43 | 5.57 | 0.61 | 0.54 | 0.83 | 1.81 | 0.02 | 0.10 | 1.14 | 4.29 | 3.03 | 27.09 |
| Lake Cushman | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.00 | ..... | ..... |
| Lake Kachess | 5.07 | 8.57 | 9.35 | 1.71 | 1.44 | 1.97 | 2.28 | 0.23 | 1.06 | 2.11 | 5.77 | ..... | ..... |
| Lake Keechelus | 9.49 | 12.01 | 15.37 | 3.75 | 2.88 | 2.37 | 2.91 | 0.28 | 1.95 | 3.02 | 8.03 | 8.10 | 70.15 |
| Lakeside | 1.20 | 3.30 | 1.69 | 0.12 | 0.42 | 1.67 | 0.93 | 0.22 | 0.98 | 0.03 | 0.74 | 0.77 | 12.07 |
| Landsburg | 3.54 | ..... | 10.68 | 4.92 | 2.59 | 4.94 | 5.32 | ..... | 1.42 | 2.29 | 7.78 | 7.34 | ..... |
| Laurel | 6.86 | 8.40 | 9.97 | 1.89 | 1.31 | 1.76 | 2.05 | 0.18 | 0.39 | 1.24 | 4.86 | 4.72 | 43.63 |
| Laurier | 1.38 | 1.46 | 1.72 | 1.17 | 1.89 | 2.73 | 1.70 | 0.95 | 0.76 | 0.34 | 2.51 | 1.98 | 18.59 |
| Leavenworth | 3.67 | 4.92 | 5.68 | 0.17 | 0.64 | 1.73 | 1.02 | 0.06 | 0.14 | 0.49 | 2.38 | 4.35 | 25.25 |
| Lone Tree | 9.84 | 13.69 | 19.52 | 4.30 | 2.69 | 1.71 | 3.29 | 0.08 | 2.00 | 2.25 | 6.91 | 6.76 | 73.04 |
| Lind | ..... | ..... | ..... | ..... | 0.94 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Longmires Springs | 7.75 | 10.79 | 17.65 | 6.00 | 4.55 | 3.74 | 4.33 | 0.64 | 3.66 | 3.35 | 11.08 | 7.69 | 81.23 |
| Lost Creek | 2.00 | 1.50 | 1.71 | 0.03 | 1.73 | 1.30 | 1.45 | ..... | ..... | 0.20 | 1.00 | 1.38 | ..... |
| Lowden (near) | 1.72 | 3.09 | 2.11 | 1.25 | 0.47 | 0.94 | 0.31 | 0.28 | 0.35 | 0.36 | 1.39 | 2.11 | 14.38 |
| Marietta | 4.30 | 3.89 | 5.99 | 2.50 | 1.78 | 1.72 | 2.95 | 0.12 | 0.46 | 1.58 | ..... | 4.32 | ..... |
| Maryhill | ..... | ..... | ..... | ..... | 0.15 | 1.37 | 0.62 | 0.04 | 0.18 | 0.16 | 1.47 | 1.47 | ..... |
| McConihe | 0.32 | 1.38 | 1.07 | 0.43 | 0.05 | 0.34 | 1.18 | 0.19 | 0.27 | 0.01 | 0.55 | 0.63 | 6.42 |
| McCambers Ranch | 6.09 | 7.46 | 7.30 | 0.85 | 0.93 | 1.49 | 1.14 | 0.06 | 0.18 | 1.90 | 3.41 | 3.85 | 34.66 |
| Mill Creek Intake | 4.76 | 4.32 | 8.57 | 4.16 | 4.28 | 2.90 | 1.45 | 0.95 | 1.31 | 1.70 | 5.65 | 7.88 | 47.93 |
| Mold | ..... | ..... | ..... | ..... | 0.25 | 1.14 | 0.73 | 0.23 | 0.05 | 0.02 | ..... | 0.83 | ..... |
| Mottinger | 1.50 | 2.67 | 1.87 | 1.21 | 0.40 | 1.68 | 1.14 | 0.04 | 0.00 | 0.52 | 1.54 | 1.44 | 14.01 |
| Moxee | 1.07 | 1.84 | 1.37 | 0.46 | 0.08 | 0.56 | 1.37 | T. | 0.05 | 0.02 | 0.40 | 1.05 | 8.27 |
| Neppel | 0.59 | 1.89 | ..... | ..... | T. | 0.01 | 0.71 | T. | T. | 0.00 | 0.45 | 0.50 | ..... |
| Nespelem | ..... | 3.03 | 1.16 | 0.53 | 1.16 | 1.23 | 0.43 | 0.45 | 0.17 | 0.12 | 2.45 | ..... | ..... |
| Newport | 2.40 | 2.28 | 5.12 | 1.79 | 2.61 | 3.29 | 0.57 | 1.19 | 1.19 | 0.62 | 3.53 | 1.74 | 26.33 |
| North Head | 6.60 | 10.55 | 9.32 | 3.26 | 2.34 | 1.27 | 2.14 | 0.30 | 1.29 | 1.77 | 6.75 | 6.38 | 51.97 |
| North Yakima | 0.71 | 1.60 | 1.17 | 0.44 | 0.13 | 0.63 | 1.35 | T. | T. | 0.05 | 0.40 | 0.74 | 7.22 |
| Oakville | ..... | ..... | ..... | ..... | 2.82 | 1.42 | 1.73 | 0.03 | 1.28 | 2.85 | 6.73 | 6.32 | ..... |
| Odessa | 0.95 | 1.57 | 1.33 | 1.20 | 0.83 | 0.62 | 0.23 | 0.18 | 0.13 | 0.07 | 1.33 | 0.85 | 9.29 |
| Olga | 2.61 | 4.86 | 6.09 | 1.89 | 1.06 | 0.86 | 2.16 | 0.13 | 0.99 | 1.51 | 2.53 | 4.19 | 28.89 |
| Olympia | 6.28 | 11.60 | 12.85 | 3.78 | 2.48 | 1.61 | 2.23 | 0.07 | 0.64 | 2.79 | 6.54 | 5.15 | 56.02 |
| Omak | 0.73 | 0.87 | 1.51 | 0.64 | 1.69 | 2.40 | 2.29 | 0.37 | 0.11 | 0.04 | 0.58 | 1.33 | 12.56 |
| Oroville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | 0.40 | 0.22 | 0.98 | 1.62 | ..... |
| Packwood Lake | 5.74 | 8.76 | 14.39 | 5.22 | 5.18 | 2.75 | 4.58 | 1.87 | 3.42 | 3.88 | ..... | ..... | ..... |
| Peola | 1.74 | 3.81 | 4.95 | 1.29 | ..... | 4.12 | 0.73 | 3.02 | 0.45 | 0.83 | 2.10 | 3.46 | ..... |
| Pomeroy | 2.53 | 4.19 | 3.92 | 1.46 | 0.38 | 3.55 | 0.34 | 1.72 | 0.38 | 0.45 | 2.05 | ..... | ..... |
| Port Angeles | ..... | ..... | ..... | ..... | ..... | 0.47 | 0.92 | 0.19 | 0.38 | 2.20 | 2.17 | 4.94 | ..... |
| Port Crescent | 5.83 | ..... | 6.99 | 2.24 | 1.89 | 1.04 | 1.40 | ..... | ..... | 2.61 | 3.55 | 6.02 | ..... |
| Port Townsend | 2.76 | 5.19 | 2.99 | 1.08 | 2.62 | 0.94 | 1.95 | 0.02 | 0.04 | 0.78 | 1.10 | 4.48 | 23.95 |
| Poulsbo | 4.75 | 7.04 | 7.15 | 1.67 | 2.63 | 1.58 | 2.90 | 0.34 | 1.77 | 1.88 | 3.20 | 6.27 | 41.18 |
| Prosser | 1.25 | 1.35 | 0.97 | 0.82 | 0.15 | 0.35 | 0.76 | 0.09 | 0.25 | 0.09 | 1.05 | 1.28 | 8.41 |
| Pullman | 2.54 | 3.75 | 4.99 | 1.02 | 1.56 | 2.34 | 0.45 | 1.24 | 0.68 | 0.35 | 2.94 | 2.75 | 24.61 |
| Puyallup | 3.69 | 6.40 | 8.57 | 2.79 | 1.56 | 2.34 | 3.08 | 0.33 | 0.34 | 1.74 | 6.33 | 3.74 | 40.91 |
| Queets River | 10.06 | 13.68 | ..... | 7.46 | 4.92 | 1.65 | 3.34 | 0.18 | 2.56 | 4.17 | 12.36 | 10.64 | ..... |
| Reardan | ..... | 2.19 | 2.39 | 1.14 | 1.20 | 2.78 | 0.32 | 0.29 | 0.25 | 0.25 | 1.74 | 1.59 | ..... |
| Republic | ..... | ..... | 1.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Ritzville | 0.96 | 1.91 | 1.80 | 2.03 | 0.66 | 1.17 | 0.30 | 0.14 | 0.38 | 0.21 | 0.82 | 0.72 | 11.10 |
| Rock Island | 0.70 | 2.69 | 1.41 | 0.06 | 0.33 | 0.37 | 1.07 | 0.10 | 0.53 | T. | 0.36 | 0.53 | 7.85 |
| Rosalia | 1.50 | 1.58 | 4.05 | 1.64 | 1.33 | 2.45 | 1.32 | 0.70 | 1.25 | 0.27 | 2.85 | 1.85 | 20.79 |
| Russells Ranch | 3.05 | 8.13 | 7.11 | 0.89 | 1.04 | 1.33 | 1.90 | 0.34 | 0.04 | 1.66 | 0.86 | 1.46 | 27.81 |
| Seattle | 4.32 | 6.85 | 5.45 | 1.98 | 1.56 | 1.82 | 1.93 | 0.11 | 0.70 | 1.18 | 4.58 | 4.13 | 34.61 |
| Sedro Woolley | 2.07 | 8.66 | 8.93 | 3.05 | 3.94 | 1.97 | 4.32 | 0.35 | 2.00 | 2.95 | 4.92 | 5.77 | 48.93 |
| Sequim | ..... | ..... | ..... | ..... | ..... | 0.51 | 0.66 | T. | 0.59 | 1.42 | 1.09 | 3.37 | ..... |
| Silverton | 4.29 | 5.87 | 14.31 | 7.42 | 4.40 | 4.88 | 5.57 | 0.54 | 6.50 | 5.10 | ..... | ..... | ..... |
| Sixprong | 1.68 | 1.63 | 2.16 | 0.42 | 0.39 | 0.77 | 1.30 | 0.11 | 0.19 | 0.24 | 1.25 | 1.38 | 11.52 |
| Snohomish | 3.44 | 10.17 | 7.26 | 3.21 | 3.84 | 3.22 | 4.30 | 0.24 | 3.03 | 1.76 | 4.87 | 6.00 | 51.34 |
| Snoqualmie Falls | 4.76 | 8.35 | 10.34 | 4.43 | 2.82 | 3.64 | 4.66 | 1.32 | 1.61 | 2.16 | 7.23 | 6.52 | 57.84 |
| Snoqualmie Pass | 12.18 | 16.90 | 19.69 | 6.98 | 4.35 | 3.76 | 3.40 | 1.14 | 3.35 | 2.60 | 10.80 | 11.33 | 96.48 |
| Snyders Ranch | 2.41 | 3.36 | 2.02 | 0.53 | 0.53 | 2.69 | 0.94 | 0.40 | 0.46 | 0.50 | 1.82 | 1.31 | 17.04 |
| South Bend | 11.18 | 16.91 | 22.39 | 6.53 | 4.38 | 2.16 | 3.93 | 0.18 | 1.81 | 3.63 | 11.69 | 10.81 | 95.60 |
| Spokane | 1.88 | 1.04 | 2.62 | 1.16 | 1.57 | 2.70 | 0.47 | 0.49 | 0.56 | 0.17 | 1.60 | 1.49 | 15.75 |
| Sprague (near) | ..... | ..... | 2.36 | 1.78 | 1.39 | 2.73 | 0.45 | 0.85 | 0.45 | 0.40 | 2.17 | 0.71 | ..... |
| Starbuck | ..... | 1.96 | 3.64 | 1.09 | 0.76 | 2.92 | 0.68 | 0.14 | 0.02 | 0.05 | 0.63 | 0.39 | ..... |
| State University | ..... | 7.01 | 5.62 | 2.01 | 1.43 | 2.47 | 2.84 | 0.10 | 0.71 | 1.13 | 4.42 | 4.10 | ..... |
| Stehekin (near) | ..... | ..... | ..... | ..... | 0.01 | 1.62 | 0.73 | T. | 0.45 | 2.95 | 4.93 | 4.10 | ..... |
| Stokes Ranch | 2.83 | 3.10 | 1.32 | 0.51 | 0.51 | 2.66 | 0.85 | 0.75 | 0.37 | 0.27 | 1.98 | 1.27 | 16.42 |
| Sullivan Lake | 2.16 | 2.24 | 4.56 | 2.53 | 3.42 | 3.88 | 2.12 | 1.28 | 0.98 | 0.56 | 3.16 | 1.97 | 28.86 |
| Sumner | 3.07 | ..... | 7.93 | 3.24 | 1.92 | 2.98 | 3.62 | 0.16 | 0.61 | 2.18 | 6.81 | 4.32 | ..... |
| Sunnyside | 1.01 | 1.40 | 0.77 | 0.62 | 0.16 | 0.58 | 0.86 | 0.02 | 0.14 | 0.03 | 0.88 | 0.74 | 7.21 |
| Sweat Creek | ..... | ..... | ..... | ..... | ..... | ..... | 1.74 | 0.47 | ..... | ..... | ..... | ..... | ..... |
| Tacoma Creek | 4.03 | 7.32 | 8.23 | 2.87 | 1.10 | 1.66 | 3.00 | 0.22 | 0.50 | 1.95 | 5.49 | 3.65 | 40.02 |
| Tatoosh Island | 7.55 | 10.78 | 18.16 | 6.70 | 3.58 | 1.88 | 4.42 | 0.17 | 0.97 | 4.30 | 7.62 | 11.67 | 77.80 |
| Tieton Canyon | 1.89 | 3.06 | 3.02 | 0.23 | 0.20 | 1.26 | 2.14 | 0.04 | 0.00 | 0.31 | 1.87 | 1.14 | 15.16 |
| Touchet Ridge | 5.17 | 4.90 | 8.81 | 2.25 | 3.44 | 4.00 | 1.93 | 0.85 | 1.17 | 2.19 | 3.87 | 7.95 | 46.53 |
| Trinidad | 1.60 | 2.50 | 1.63 | T. | T. | 0.10 | 0.46 | 0.00 | T. | 0.00 | 1.00 | 0.70 | 7.39 |
| Twenty-five Mile Creek | 2.09 | 3.97 | 1.52 | 0.20 | 0.36 | 2.47 | 0.89 | 0.18 | 1.10 | 0.30 | 1.15 | 1.45 | 15.68 |
| Vancouver | 4.02 | 8.34 | 8.38 | 2.43 | 2.02 | 1.86 | 3.15 | 0.19 | 1.12 | 0.99 | 5.38 | 3.34 | 41.22 |
| Vashon Island | 5.42 | 8.92 | 9.10 | 2.59 | 1.41 | 1.92 | 2.86 | 0.01 | 0.65 | 2.65 | 5.35 | 5.13 | 46.01 |
| Wahluke | 1.41 | 2.48 | 0.93 | 0.80 | T. | 0.15 | 1.10 | T. | 0.92 | T. | 0.88 | 1.26 | 9.93 |
| Wallace | 2.50 | 1.62 | 2.39 | 0.64 | 1.78 | 2.37 | 2.60 | 0.70 | 0.37 | 0.38 | 1.70 | 2.14 | 19.19 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Washington*—Continued. | | | | | | | | | | | | | |
| Walla Walla | 2.79 | 3.34 | 3.46 | 1.83 | 1.29 | 1.77 | 0.72 | 0.17 | 0.15 | 0.38 | 2.74 | 2.68 | 21.32 |
| Wapato | 0.75 | 1.31 | 1.29 | 0.24 | 0.14 | 0.61 | 1.05 | 0.00 | 0.05 | T. | 0.53 | 0.83 | 6.80 |
| Washougal (near) | ..... | 6.12 | 14.04 | 5.98 | 4.37 | 3.63 | 5.29 | 1.71 | 2.35 | 1.25 | 9.60 | 6.42 | ..... |
| Waterville | 1.16 | 3.33 | 1.58 | 0.19 | 0.79 | 1.75 | 1.45 | 0.37 | 1.07 | 0.00 | 0.41 | 0.83 | 12.93 |
| Wenatchee | 0.97 | 3.20 | 1.38 | 0.07 | 0.10 | 1.25 | 1.40 | 0.43 | 0.65 | 0.03 | 0.60 | 0.55 | 10.63 |
| Wenatchee (near) | 2.10 | 4.75 | 2.94 | 0.14 | 0.32 | 1.04 | 1.51 | 0.41 | 0.20 | 0.10 | 1.12 | 1.07 | 15.70 |
| White Bluffs | 0.59 | 2.88 | 0.59 | 0.67 | 0.10 | 0.39 | 0.24 | 0.01 | 0.44 | T. | 0.77 | 1.31 | 7.99 |
| White Salmon | 4.53 | 7.47 | 9.77 | 1.79 | 2.29 | 1.53 | 1.16 | 0.13 | 0.57 | 1.44 | 3.24 | 4.83 | 38.75 |
| Wilbur | 2.79 | 1.48 | 2.06 | 0.72 | 1.23 | 1.37 | 0.31 | 0.29 | 0.14 | 0.15 | 1.39 | 1.12 | 13.05 |
| Wind River | 14.27 | 13.57 | 11.27 | 6.27 | 5.84 | 2.83 | 2.57 | 0.79 | 2.30 | 4.60 | 13.39 | 10.97 | 88.67 |
| Winthrop | 2.01 | 2.91 | 1.11 | 0.46 | 0.47 | 1.90 | 0.74 | 0.47 | 0.21 | 0.19 | 1.34 | 0.94 | 12.75 |
| Yacolt | 10.86 | 12.07 | 21.93 | 7.37 | 6.42 | 3.52 | 6.03 | 0.52 | 1.55 | 2.80 | 12.66 | 11.87 | 97.60 |
| Yale | 12.05 | 12.96 | 20.78 | 7.45 | 6.77 | 3.06 | 4.89 | 0.47 | 3.82 | 3.18 | 16.47 | 10.81 | 102.71 |
| *West Virginia.* | | | | | | | | | | | | | |
| Bancroft | 5.28 | 3.91 | 4.81 | 3.04 | 3.28 | 5.05 | 2.68 | 6.15 | 2.36 | 1.76 | 1.72 | 4.80 | 44.84 |
| Bayard | 5.39 | 4.48 | 5.44 | 4.16 | 4.60 | 5.14 | 4.17 | 4.96 | 6.14 | 3.46 | 1.62 | 3.18 | 52.74 |
| Beckley | 5.67 | 4.11 | 5.04 | 2.94 | 3.85 | 4.44 | 6.44 | 7.49 | 7.80 | 2.47 | 1.40 | 3.17 | 54.82 |
| Bens Run | 5.69 | 4.86 | 5.58 | 2.24 | 4.07 | 7.77 | 1.28 | 5.24 | 3.25 | 2.16 | 2.10 | 3.29 | 47.53 |
| Bluefield | 2.37 | 3.35 | 3.09 | 1.90 | 0.90 | 2.99 | 3.12 | 2.81 | 1.01 | 2.16 | 1.85 | 2.40 | 27.95 |
| Brandonville | 6.27 | 4.39 | 3.26 | 2.63 | 4.16 | 6.66 | 1.92 | 4.64 | 2.97 | 2.62 | 2.98 | 3.45 | 45.95 |
| Brandywine | ..... | ..... | ..... | ..... | ..... | 2.50 | 3.45 | 1.90 | 4.60 | 1.04 | 0.78 | 1.41 | ..... |
| Buckhannon | 7.96 | 5.81 | 6.78 | 3.97 | 4.93 | 5.27 | 4.44 | 3.56 | 5.59 | 3.65 | 2.77 | 4.50 | 59.23 |
| Burlington | 1.99 | 2.00 | 5.23 | 4.20 | 2.31 | 4.23 | 3.25 | 1.47 | 4.95 | 1.48 | 1.32 | 1.31 | 33.74 |
| Cairo | 6.20 | ..... | 6.78 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Central Station | 2.71 | 3.60 | 4.97 | 2.32 | 4.21 | 5.84 | 5.33 | 4.93 | ..... | 2.20 | ..... | ..... | ..... |
| Charleston | 5.16 | 4.93 | 4.66 | 4.21 | 4.54 | 5.33 | 5.05 | 5.31 | 3.26 | 2.45 | 1.96 | 4.10 | 50.96 |
| Cheat-Bridge | 5.70 | 5.14 | 4.13 | 5.70 | 4.74 | 3.97 | 4.73 | 4.46 | 7.51 | 3.01 | 1.11 | ..... | ..... |
| Clay | 3.77 | 4.23 | 4.35 | 1.25 | 2.05 | 5.29 | 1.60 | 4.12 | 3.55 | 0.93 | 1.55 | 4.37 | 37.06 |
| Cortland | 5.97 | 4.10 | 5.00 | 3.50 | 3.35 | 6.29 | 2.77 | 4.21 | 3.41 | 3.38 | 1.47 | 3.00 | 46.45 |
| Creston | 6.89 | 5.82 | 6.71 | 3.05 | 4.86 | 5.32 | 2.92 | 3.44 | 3.25 | 2.49 | 1.84 | 3.65 | 50.24 |
| Cuba | 7.15 | 4.01 | 5.45 | 2.36 | 3.29 | 3.65 | 2.00 | 4.98 | 2.48 | 2.86 | 2.10 | 3.80 | 44.13 |
| Dam No. 22, Ohio River | 6.45 | 3.91 | 5.27 | 2.20 | 3.27 | 3.63 | 1.71 | 4.79 | 2.71 | 2.20 | 2.13 | 3.06 | 41.33 |
| Dam No. 26, Ohio River | ..... | 3.12 | 5.34 | 2.87 | 4.24 | 4.64 | 3.65 | 4.10 | 2.33 | 1.83 | 1.07 | 2.89 | ..... |
| Davis | 8.32 | 6.64 | 5.50 | 4.21 | 3.83 | 6.19 | 3.15 | 7.80 | 6.06 | 3.51 | 2.74 | 4.39 | 62.34 |
| Dunlow | 4.47 | ..... | ..... | ..... | 2.13 | 8.36 | 3.19 | 11.70 | 4.15 | ..... | 1.41 | 6.38 | ..... |
| Elizabeth | 6.50 | 4.44 | 6.25 | 3.08 | 4.73 | 4.94 | 2.55 | 2.38 | 2.90 | 2.82 | 1.71 | 4.19 | 46.49 |
| Elkhorn | 3.58 | 4.09 | 2.84 | 2.94 | 1.53 | 6.57 | 9.47 | 3.57 | 2.96 | 2.63 | 1.38 | 1.78 | 43.34 |
| Elkins | 6.31 | 4.02 | 5.53 | 3.43 | 4.29 | 4.86 | 6.29 | 3.13 | 4.87 | 2.32 | 1.50 | 3.20 | 49.75 |
| Evans | 6.78 | 3.07 | 5.78 | 3.13 | 5.14 | 6.83 | 3.23 | 4.05 | 2.59 | 2.84 | 1.91 | 3.23 | 48.58 |
| Fairmont | 4.84 | 5.06 | 4.34 | 2.64 | 3.43 | 5.23 | 2.04 | 4.18 | 2.56 | 2.56 | 1.87 | 3.36 | 42.11 |
| Glenville | 6.96 | 6.82 | 6.35 | 2.65 | 3.46 | 4.50 | 2.31 | 3.76 | 5.48 | 2.82 | 1.82 | 4.16 | 51.09 |
| Grafton | 5.84 | 6.31 | 5.33 | 3.38 | 5.82 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Green Sulphur Springs | 3.55 | 5.05 | 4.76 | 3.35 | 3.10 | 4.20 | 5.28 | 5.26 | 5.05 | 1.25 | 1.48 | 3.95 | 46.28 |
| Harpers Ferry | 1.70 | 3.52 | 3.76 | 3.64 | 3.36 | 8.58 | 4.28 | 3.60 | 2.51 | 2.05 | 1.18 | 2.46 | 40.64 |
| Hinton | 3.64 | 4.00 | 3.27 | 2.86 | 2.50 | 4.74 | 6.22 | 6.81 | 3.36 | 2.00 | 1.06 | 2.62 | 43.08 |
| Holcomb | 5.22 | 3.51 | 6.15 | 3.58 | 3.75 | 5.23 | 3.11 | 4.73 | 6.31 | 2.55 | 1.84 | 3.87 | 49.85 |
| Huntington | 5.38 | 4.59 | 5.20 | 2.80 | 4.40 | 4.80 | 3.38 | 5.48 | 3.29 | 2.20 | 1.04 | 4.12 | 46.68 |
| Kayford | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.57 | 2.06 | 3.63 | ..... |
| Lanes Bottom | ..... | ..... | ..... | ..... | 2.62 | 7.02 | 2.87 | 6.01 | 3.60 | 1.84 | 1.61 | 5.74 | ..... |
| Lewisburg | 3.38 | 3.57 | 2.71 | 3.13 | 2.43 | 5.55 | 2.88 | 4.74 | 4.01 | 1.76 | 1.58 | 2.30 | 38.04 |
| Lost City | 2.69 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Lost Creek | 6.65 | 5.01 | 4.15 | 2.11 | 4.61 | 4.24 | 3.38 | 3.72 | 3.87 | 4.35 | 1.87 | 3.78 | 47.74 |
| Madison | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.54 | ..... | ..... | ..... | ..... | ..... |
| Mannington | 4.83 | 5.32 | 4.42 | 3.03 | 4.03 | 6.44 | 3.00 | 5.06 | 3.54 | 2.79 | 2.11 | 3.99 | 48.56 |
| Marlinton | 4.09 | 3.51 | 4.88 | 3.10 | 3.72 | 5.32 | 7.14 | 4.78 | 4.31 | 1.90 | 1.75 | 3.38 | 47.88 |
| Martinsburg | 2.05 | 3.05 | 5.07 | 4.05 | 3.16 | 7.04 | 5.19 | 1.56 | 3.19 | 2.42 | 1.37 | 2.64 | 40.79 |
| Moorefield | 2.73 | 2.01 | 4.00 | 3.41 | 1.83 | 5.37 | 2.56 | 1.46 | 3.15 | 1.32 | 0.82 | 1.56 | 30.22 |
| Morgantown | 2.75 | 4.87 | 3.90 | 2.86 | 3.00 | 6.51 | 1.06 | 3.67 | 2.85 | 1.77 | 2.94 | 1.97 | 38.15 |
| Moundsville | 3.89 | 2.37 | 2.49 | 2.28 | 3.87 | 3.37 | 1.29 | 3.59 | 0.89 | 1.95 | 1.51 | ..... | ..... |
| New Cumberland | 4.14 | 2.27 | 3.72 | 3.54 | 2.74 | 4.54 | 2.62 | 3.07 | 1.48 | 2.61 | 2.92 | 2.26 | 35.91 |
| New Martinsville | 5.70 | 4.46 | 4.58 | 2.90 | 4.08 | 7.14 | 2.86 | 5.48 | 2.03 | 2.98 | 2.23 | 3.81 | 48.25 |
| Nuttallburg | ..... | 3.40 | 3.00 | 2.80 | 6.00 | ..... | ..... | ..... | 5.40 | ..... | 1.58 | ..... | ..... |
| Parkersburg | 5.34 | 2.75 | 4.48 | 2.84 | 4.65 | 3.30 | 4.92 | 2.41 | 3.18 | 2.53 | 1.84 | 3.48 | 41.72 |
| Parsons | 3.20 | 4.23 | 4.09 | 4.33 | 3.58 | 5.78 | 4.28 | 6.05 | 3.46 | 0.99 | 1.58 | 3.06 | 44.63 |
| Philippi | 6.36 | 4.18 | 3.81 | 1.80 | 2.56 | 4.79 | 2.71 | 5.78 | 2.89 | 3.25 | 1.32 | 3.42 | 42.87 |
| Pickens | 8.07 | 9.19 | 9.88 | 4.58 | 4.95 | 5.31 | 4.27 | 4.34 | 7.88 | 2.86 | 1.95 | 6.28 | 69.56 |
| Piedmont | 2.71 | 1.79 | 5.42 | 2.51 | 2.08 | 4.15 | 3.10 | 1.76 | 1.78 | 2.36 | 1.50 | 2.32 | 31.48 |
| Point Pleasant | 7.18 | 3.87 | 6.00 | 2.62 | 4.24 | 3.67 | 2.86 | 4.10 | 2.76 | 2.29 | 1.82 | 3.91 | 45.32 |
| Powellton | 3.50 | 4.06 | 5.35 | 3.10 | 2.68 | 5.24 | 3.10 | 15.35 | ..... | ..... | ..... | ..... | ..... |
| Rainelle | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.40 | ..... | ..... | ..... |
| Raleigh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.09 | 1.53 | 3.66 | ..... |
| Renick | 3.10 | 3.20 | 2.50 | 2.35 | 3.06 | 7.40 | 4.25 | 5.06 | 4.40 | 1.20 | 2.00 | 3.30 | 41.82 |
| Robertsburg | 5.80 | 4.15 | 5.06 | 2.59 | 4.34 | 5.53 | 2.38 | 2.20 | 2.02 | 2.24 | 1.43 | 4.04 | 41.78 |
| Romney | 2.08 | 2.80 | 6.02 | 4.01 | 3.01 | 3.87 | 2.70 | 2.66 | 3.15 | 2.20 | 1.69 | 1.87 | 36.06 |
| Rowlesburg | 7.13 | 5.46 | 5.98 | 3.58 | 4.16 | 6.10 | 3.66 | 2.98 | 5.86 | 3.76 | 2.59 | 4.09 | 55.35 |
| Ryan | 5.35 | 5.70 | 6.04 | 3.64 | 3.16 | 5.45 | 4.26 | 4.42 | 3.25 | 2.83 | 1.87 | 3.60 | 49.57 |
| St. Marys | 4.15 | 4.90 | 6.20 | 2.78 | 5.10 | 5.27 | 2.85 | 10.79 | 2.55 | 2.51 | 1.97 | 4.32 | 53.39 |
| Sissonville | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.91 | 1.40 | 3.35 | ..... |
| Smithfield | 6.26 | 6.19 | 4.88 | 2.44 | 4.50 | 7.56 | 2.51 | 6.01 | 4.04 | 3.07 | 2.15 | 4.09 | 53.70 |
| Spencer | 6.61 | 3.69 | 7.74 | 2.78 | 2.65 | 5.54 | 2.03 | 4.14 | 4.75 | 2.09 | 1.85 | 4.64 | 47.51 |
| Sutton | ..... | 6.81 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Terra Alta | 8.52 | 6.02 | 6.25 | 3.17 | 5.46 | 14.54 | 2.69 | 6.93 | ..... | ..... | ..... | ..... | ..... |
| Union | 3.15 | 3.40 | 2.55 | 2.70 | 2.05 | 4.55 | 4.30 | 7.49 | 3.95 | 1.90 | 1.30 | 2.10 | 39.44 |
| Upper Tract | 2.40 | 2.18 | 2.83 | 2.56 | 1.05 | 3.73 | 3.77 | 1.81 | 2.80 | 1.50 | 0.75 | 0.85 | 26.23 |
| Wellsburg | 2.66 | 2.81 | 3.45 | 2.24 | 3.25 | 4.19 | 1.63 | 3.72 | 2.26 | 3.23 | 2.76 | 1.23 | 33.43 |
| Weston | ..... | 6.38 | 5.22 | ..... | ..... | ..... | ..... | ..... | ..... | 3.57 | 1.96 | 3.18 | ..... |
| Wheeling | 3.64 | 3.60 | 4.08 | 2.78 | 3.13 | 4.66 | 1.73 | 4.70 | 1.79 | 2.68 | 3.07 | 2.66 | 38.61 |
| White Sulphur Springs | 2.73 | 3.38 | 2.61 | 2.76 | 2.47 | 4.77 | 3.83 | 4.96 | 2.47 | 2.64 | 1.95 | 2.38 | 36.95 |
| Williamson | 3.80 | 4.50 | 3.28 | 2.91 | 2.32 | 4.73 | 4.11 | 4.64 | 4.10 | 2.63 | 1.67 | 3.92 | 42.61 |
| *Wisconsin.* | | | | | | | | | | | | | |
| Antigo | 1.15 | 0.85 | 1.42 | 3.40 | 3.23 | 6.31 | 0.82 | 1.33 | 6.23 | 3.09 | 2.05 | 0.54 | 30.42 |
| Appleton | 1.98 | 1.74 | 1.63 | 2.11 | 5.64 | 4.88 | 0.40 | 1.63 | 5.35 | 5.23 | 2.43 | 0.93 | 33.95 |
| Ashland | 2.25 | 0.41 | 0.90 | 2.84 | 3.89 | 7.39 | 1.83 | 3.71 | 5.27 | 1.25 | T. | 0.89 | 30.63 |
| Baraboo | 2.80 | 0.50 | 1.71 | 3.35 | 3.92 | 4.86 | 1.04 | 6.46 | 6.38 | 3.77 | 1.63 | 1.04 | 37.46 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Wisconsin*—Continued. | | | | | | | | | | | | | |
| Barron | 3.25 | 0.90 | 1.66 | 3.63 | 5.44 | 7.04 | 1.11 | 3.45 | 3.71 | 1.60 | 1.43 | 0.73 | 33.95 |
| Beloit | 4.49 | 1.07 | 5.79 | 3.35 | 3.54 | 8.53 | 0.93 | 2.38 | 6.12 | 2.33 | 0.99 | 0.57 | 39.19 |
| Big St. Germain Dam | 1.31 | 0.73 | 3.42 | 3.81 | 3.12 | 5.38 | 4.74 | 2.43 | 6.86 | 3.19 | 2.13 | 0.71 | 37.83 |
| Brodhead | 4.45 | 0.77 | 2.97 | 2.84 | 5.07 | 7.67 | 1.50 | 1.55 | 5.34 | 3.90 | 1.35 | 1.75 | 39.17 |
| Burnett | 2.40 | 0.44 | 1.34 | 2.40 | 4.00 | 4.27 | 0.33 | 3.93 | 4.46 | 4.04 | 1.69 | 0.98 | 30.28 |
| Cecil | 1.63 | 0.70 | 1.10 | 2.38 | 3.02 | 7.93 | 3.11 | 1.21 | 2.80 | 1.78 | 2.13 | 0.53 | 28.32 |
| Cornucopia | 3.12 | 0.21 | 1.86 | 1.64 | 3.47 | 6.65 | 1.30 | 5.56 | 5.50 | 1.43 | 0.12 | 1.59 | 32.45 |
| Crandon | ..... | ..... | ..... | ..... | ..... | 7.32 | 4.37 | 2.73 | 5.75 | ..... | 1.42 | 0.45 | ..... |
| Darlington | 2.15 | 1.02 | 3.06 | 3.00 | 2.40 | 4.85 | 2.64 | 1.17 | 8.05 | 3.40 | 1.43 | 1.00 | 34.17 |
| Deerskin Dam | 1.34 | 0.18 | 1.89 | 3.60 | 1.59 | 5.43 | 3.07 | 2.62 | 7.11 | 3.05 | 1.66 | 0.41 | 31.95 |
| Delavan | 3.55 | 0.59 | 2.52 | 2.72 | 3.56 | 6.83 | 0.16 | 2.88 | 5.12 | 3.78 | 1.71 | 1.17 | 34.59 |
| Dodgeville | 4.30 | 1.20 | 3.82 | 2.30 | 4.35 | 7.50 | 0.46 | 2.27 | 7.20 | 3.50 | 1.42 | 0.89 | 39.21 |
| Downing | 1.10 | 1.00 | 2.80 | 2.10 | 3.67 | 6.81 | 1.70 | 2.69 | 4.47 | 3.26 | 1.30 | 0.80 | 31.70 |
| Eau Claire | 2.30 | 0.86 | 2.00 | 2.70 | 5.53 | 7.50 | 2.09 | 1.76 | 3.95 | 1.29 | 2.42 | 0.92 | 33.32 |
| Florence | 2.17 | 0.22 | 2.86 | 3.36 | 3.36 | 7.67 | 2.78 | 2.12 | 2.90 | 3.72 | 0.30 | ..... | ..... |
| Fond du Lac | 2.91 | 1.76 | 1.81 | 2.19 | 3.58 | 4.88 | 0.43 | 4.72 | 4.45 | 4.76 | 2.45 | 1.13 | 35.07 |
| Glen Flora | ..... | 2.20 | 1.70 | ..... | 2.09 | 5.12 | 0.32 | 3.96 | ..... | ..... | ..... | ..... | ..... |
| Grand Rapids | 2.78 | 1.22 | 2.18 | 3.03 | 4.48 | 6.25 | 1.24 | 4.23 | 7.50 | 3.68 | 1.70 | 0.89 | 39.18 |
| Grand River Locks | 2.25 | 0.38 | 1.55 | 2.29 | 4.30 | 4.49 | 1.02 | 3.43 | 5.29 | 3.91 | 2.13 | 0.71 | 31.75 |
| Grantsburg | 1.60 | 1.07 | 1.52 | 3.48 | 4.24 | 7.26 | 3.55 | 3.33 | 2.23 | 2.28 | 0.02 | 0.37 | 30.35 |
| Green Bay | 2.39 | 1.09 | 1.53 | 2.39 | 3.94 | 6.73 | 2.42 | 1.39 | 3.27 | 4.73 | 3.27 | 1.04 | 34.19 |
| Hancock | ..... | 1.15 | 1.07 | 3.02 | 4.81 | 7.13 | 2.72 | 3.14 | 6.22 | 4.55 | 1.60 | 1.60 | ..... |
| Hatfield | 1.79 | 0.73 | 1.16 | 3.09 | 4.80 | 4.92 | 1.20 | 1.98 | 4.11 | 2.77 | 1.56 | 0.68 | 28.79 |
| Hayward | 1.77 | 1.12 | 2.05 | 3.70 | 3.46 | 6.92 | 0.97 | 6.40 | 4.96 | 3.24 | 0.27 | 0.22 | 35.08 |
| High Falls | 2.14 | 0.96 | 2.75 | 3.89 | 3.42 | 8.38 | 3.45 | 2.06 | 7.34 | 3.88 | 1.91 | 1.07 | 41.25 |
| Hillsboro | 2.65 | 0.70 | 1.08 | 3.34 | 3.56 | 5.53 | T. | 6.54 | 4.51 | 3.59 | 1.74 | 1.15 | 34.39 |
| Iron River | 3.49 | 0.38 | 1.36 | 4.54 | 3.80 | 6.25 | 0.81 | 2.96 | 2.93 | 1.36 | 0.07 | 0.67 | 30.62 |
| Kewaunee | 2.69 | 0.96 | 1.34 | 2.90 | 4.23 | 4.56 | 1.02 | 0.92 | 2.52 | 4.87 | 3.48 | 0.59 | 30.08 |
| Koepenick | 1.97 | 0.97 | 2.79 | 2.41 | 5.02 | 3.87 | 4.00 | 2.70 | 4.00 | 1.80 | 0.70 | 1.20 | 31.43 |
| La Crosse | 2.48 | 0.90 | 1.03 | 3.01 | 3.17 | 4.30 | 3.02 | 4.45 | 4.75 | 2.69 | 1.61 | 1.20 | 32.61 |
| Lake Mills | 3.96 | 0.14 | 2.35 | 4.17 | 3.72 | 4.75 | 0.21 | 3.35 | 6.09 | 4.05 | 1.83 | 0.65 | 35.27 |
| Lancaster | 3.22 | 0.26 | 2.98 | ..... | 1.41 | 8.06 | 0.35 | 0.53 | 3.77 | ..... | ..... | ..... | ..... |
| Long Lake | 2.09 | 0.47 | 2.88 | 3.80 | 2.99 | 5.89 | 2.33 | 2.35 | 5.60 | 2.76 | 1.67 | 0.53 | 33.36 |
| Madison | 3.07 | 0.39 | 2.93 | 3.51 | 2.38 | 4.52 | 2.66 | 4.24 | 5.73 | 2.97 | 1.69 | 1.24 | 35.33 |
| Manitowoc | 3.21 | 1.32 | 1.78 | 1.84 | 5.22 | 6.21 | 1.53 | 2.55 | 3.39 | 5.24 | 3.52 | 1.57 | 37.38 |
| Marshfield | 2.18 | 1.19 | 1.85 | 2.47 | 4.61 | 6.31 | 2.52 | 3.53 | 5.44 | 3.04 | 2.00 | 0.87 | 36.01 |
| Mather | 1.97 | 1.70 | 0.76 | 1.44 | 3.30 | 6.87 | 0.26 | 3.23 | 5.38 | 3.51 | 2.77 | 1.20 | 32.39 |
| Mauston | 1.90 | 0.90 | 0.72 | 2.48 | 2.85 | 5.37 | 0.50 | 1.62 | 4.40 | 2.70 | 1.84 | 0.70 | 25.98 |
| Meadow Valley | 2.19 | 0.72 | 0.92 | 2.12 | 3.18 | 5.68 | 0.86 | 2.31 | 4.86 | 2.81 | 1.21 | 0.60 | 27.46 |
| Medford | 2.25 | 1.10 | 1.70 | 3.20 | 3.96 | 6.39 | 0.95 | 3.70 | 5.26 | 2.43 | 2.10 | 0.90 | 33.94 |
| Menasha | 1.91 | 0.61 | 1.26 | 2.38 | 4.63 | 4.51 | 0.28 | 2.64 | 3.75 | 4.72 | 1.75 | 0.30 | 28.74 |
| Merrill | 1.07 | 0.79 | 2.10 | 3.15 | 3.01 | 6.28 | 3.67 | 1.41 | 5.08 | 2.91 | 1.97 | 0.83 | 32.27 |
| Milwaukee | 3.08 | 0.47 | 2.38 | 2.66 | 2.39 | 6.60 | 1.56 | 6.03 | 5.21 | 3.68 | 2.18 | 1.81 | 38.05 |
| Minocqua | 2.31 | 0.47 | 2.36 | 3.57 | 3.11 | 5.63 | 3.88 | 2.12 | 6.25 | 3.06 | 1.39 | 0.38 | 34.53 |
| Mondovi | 1.47 | 0.66 | 1.02 | 2.02 | 5.80 | 6.10 | 0.71 | 1.35 | 3.15 | 1.31 | 0.87 | 0.88 | 25.34 |
| Mount Horeb | 2.24 | 0.35 | 3.65 | 2.99 | 3.15 | 6.19 | 2.29 | 1.78 | 5.17 | 3.73 | 1.71 | 0.34 | 33.59 |
| Muscoda | 1.52 | 0.15 | 1.98 | 2.25 | 5.67 | 4.39 | 0.36 | 2.19 | 5.20 | 3.22 | 1.82 | 0.83 | 29.58 |
| Neillsville | 2.49 | 0.97 | 1.65 | 2.93 | 4.21 | 5.88 | 2.77 | 2.13 | 4.61 | 2.54 | 1.79 | 0.88 | 32.85 |
| New London | 2.89 | 1.23 | 1.79 | 2.27 | 5.35 | 6.81 | 1.70 | 3.78 | 6.40 | 4.75 | 2.70 | 0.73 | 40.40 |
| New Richmond | 2.47 | 0.90 | 2.20 | 1.89 | 4.37 | 5.71 | 0.69 | 2.42 | 3.96 | ..... | 0.07 | 1.46 | ..... |
| Oconto | 2.97 | 0.40 | 1.83 | 2.75 | 4.40 | 5.67 | 1.05 | 2.28 | 4.78 | 4.89 | 2.91 | 1.80 | 35.73 |
| Osceola | 2.96 | 0.62 | 1.65 | 3.56 | 7.11 | 6.20 | 0.62 | 3.49 | 2.74 | 1.62 | 0.60 | 0.87 | 32.04 |
| Oshkosh | 2.65 | 0.46 | 1.92 | 2.16 | 4.87 | 4.83 | 0.37 | 4.10 | 3.65 | 4.35 | 3.02 | 0.90 | 33.28 |
| Park Falls | 2.93 | 0.31 | 2.18 | 3.89 | 3.17 | 5.76 | 3.63 | 6.77 | 5.13 | 3.13 | 1.42 | 0.58 | 38.90 |
| Pine River | 2.75 | 1.09 | 2.20 | 2.76 | 5.56 | 6.63 | 1.24 | 3.27 | 5.61 | 4.77 | 2.16 | 0.92 | 38.96 |
| Plum Island | 1.64 | 0.70 | 2.50 | 0.65 | 1.67 | 4.21 | 1.30 | 4.15 | 0.95 | 3.00 | 1.00 | 1.45 | 23.22 |
| Plymouth | 3.44 | 1.03 | 1.54 | 1.90 | 5.06 | 5.65 | 1.78 | 3.77 | 3.09 | 4.50 | 3.04 | 1.07 | 35.87 |
| Portage | 3.00 | 0.51 | 1.93 | 2.50 | 3.83 | 6.16 | 1.92 | 4.70 | 6.09 | 4.75 | 2.11 | 0.86 | 38.36 |
| Port Edwards | 1.00 | 0.60 | 1.21 | 3.82 | 5.07 | 8.69 | 0.35 | 3.92 | 6.07 | 2.33 | 0.84 | 0.63 | 34.53 |
| Port Washington | 3.69 | 1.12 | 2.93 | 2.30 | 3.93 | 4.46 | 2.26 | 4.47 | 4.61 | 4.17 | 1.98 | 2.18 | 38.10 |
| *Prairie du Chien* | 2.38 | 0.56 | 2.46 | 1.10 | 3.38 | 6.92 | 0.30 | 1.11 | 4.35 | 2.94 | 1.18 | 1.16 | 27.84 |
| Prairie du Sac | 2.45 | 0.45 | 1.54 | 1.99 | 3.39 | 4.82 | 0.02 | 3.76 | 7.64 | 3.64 | 1.12 | 0.82 | 31.64 |
| Prentice | 1.69 | 0.82 | 2.36 | 3.52 | 3.66 | 4.99 | 1.75 | 2.09 | 4.31 | 1.66 | 1.56 | 0.41 | 28.82 |
| Racine | 3.58 | 0.43 | 3.78 | 1.81 | 3.16 | 6.11 | 0.64 | 4.98 | 4.85 | 3.92 | 1.82 | 1.71 | 36.79 |
| Reedsburg | 2.37 | 0.29 | 1.19 | 2.64 | 2.81 | 3.85 | 1.35 | 5.57 | 5.11 | 2.65 | 1.88 | 0.40 | 30.11 |
| Rest Lake | 5.08 | 0.79 | 4.70 | 2.90 | 1.91 | 5.88 | 2.30 | 2.64 | 4.45 | 3.23 | 2.15 | 0.81 | 36.84 |
| Rhinelander | 2.47 | 0.46 | 2.38 | 3.46 | 3.56 | 7.55 | 4.40 | 2.13 | 7.79 | 2.99 | 1.97 | 0.63 | 39.79 |
| Ripon | 2.76 | 0.80 | 1.49 | 2.73 | 3.25 | 6.13 | 0.26 | 5.10 | 5.49 | 4.78 | 2.82 | 0.65 | 36.26 |
| Sheboygan | 3.82 | 1.28 | 1.70 | 2.07 | 4.94 | 4.89 | 1.07 | 2.96 | 3.43 | 4.10 | 2.41 | 2.23 | 34.90 |
| Shullsburg | 3.38 | 0.59 | ..... | ..... | ..... | ..... | 1.12 | 1.99 | 6.60 | 3.73 | 1.64 | 1.06 | ..... |
| Solon Springs | 3.60 | 0.55 | 1.95 | 4.16 | 4.45 | 5.70 | 0.80 | 4.25 | 4.15 | 1.55 | T. | 0.59 | 31.75 |
| Spooner | 2.16 | 0.49 | 1.49 | 4.15 | 4.27 | 6.24 | 2.95 | 3.22 | 3.22 | 1.90 | 0.53 | 0.48 | 31.10 |
| Stanley | 1.95 | 0.80 | 2.59 | 3.03 | 5.47 | 6.75 | 0.96 | 2.02 | 4.38 | 1.77 | 2.71 | 1.00 | 33.43 |
| Stevens Point | 1.50 | 1.23 | 2.52 | 5.01 | 2.86 | 7.04 | 0.87 | 2.84 | 7.30 | 3.77 | 1.80 | 0.25 | 36.99 |
| Sturgeon Bay | 2.92 | 0.61 | 1.70 | 1.82 | 3.79 | 4.94 | 1.33 | 2.37 | 3.03 | 5.34 | 3.04 | 1.20 | 32.09 |
| Sugar Camp Dam | 2.08 | 0.50 | 2.73 | 3.38 | 4.06 | 6.24 | 4.85 | 2.59 | 6.24 | 3.03 | 1.87 | 0.53 | 38.10 |
| Superior | 2.47 | 0.36 | 1.79 | 4.52 | 4.62 | 5.03 | 0.99 | 3.26 | 3.45 | 1.08 | T. | 0.40 | 27.97 |
| Tomahawk | 2.43 | 0.71 | 2.53 | 3.29 | 3.44 | 6.02 | 4.47 | 2.11 | 5.68 | 2.69 | 2.05 | 0.66 | 36.08 |
| Twin Lakes Dam | 1.95 | 0.41 | 2.98 | 3.49 | 2.39 | 5.79 | 2.82 | 2.68 | 7.02 | 2.92 | 1.63 | 0.55 | 34.63 |
| Valley Junction | ..... | 1.30 | 2.50 | 3.68 | 2.42 | 6.32 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Viroqua | 1.70 | 0.30 | 0.86 | 3.06 | 3.54 | 6.95 | 1.07 | 3.70 | 4.68 | 2.77 | 1.48 | 0.32 | 30.43 |
| Vudesaré | 2.27 | 0.39 | 3.88 | 4.53 | 1.63 | 7.37 | 1.71 | 3.38 | 5.03 | 5.50 | 1.95 | 0.99 | 38.63 |
| Watertown | 3.94 | 0.95 | 2.33 | 2.85 | 3.46 | 5.19 | 0.39 | 3.78 | 5.51 | 4.61 | 2.28 | 2.08 | 37.37 |
| Waukesha | 3.09 | 1.37 | 3.69 | 4.60 | 3.07 | 5.92 | 0.41 | 4.46 | 6.60 | 4.64 | 2.15 | 2.34 | 42.34 |
| Waupaca | 2.80 | 1.19 | 1.73 | 3.27 | 4.55 | 7.76 | 1.17 | 2.10 | 8.34 | 4.43 | 2.13 | 0.80 | 40.27 |
| Wausau | 1.81 | 0.64 | 1.61 | 3.09 | 2.64 | 5.74 | 3.69 | 1.49 | 5.99 | 2.60 | 1.98 | 1.15 | 32.43 |
| Weyerhaeuser | 1.72 | 0.70 | 2.05 | 3.24 | 4.91 | 8.00 | 1.65 | 2.85 | 2.36 | 1.52 | 1.37 | 0.52 | 30.89 |
| Whitehall | 2.56 | 1.38 | 1.28 | 2.26 | 5.52 | 3.03 | 0.90 | 1.65 | 5.04 | 1.63 | 0.95 | 1.20 | 27.40 |
| Winter | 2.26 | 0.59 | 1.54 | 3.08 | 3.31 | 7.17 | 2.72 | 3.81 | 3.24 | 2.79 | 1.40 | 0.27 | 32.18 |
| *Wyoming.* | | | | | | | | | | | | | |
| Afton | 0.87 | 1.94 | 0.88 | 0.86 | 2.29 | ..... | ..... | 0.23 | 0.05 | 1.22 | 0.20 | ..... | ..... |
| Alta | 2.15 | 1.98 | 2.50 | 0.61 | 2.29 | 2.80 | 0.91 | 0.90 | 0.34 | 2.58 | 0.58 | 2.30 | 19.94 |
| Arapahoe | 0.52 | 0.08 | 0.21 | 0.55 | 0.42 | ..... | 0.31 | 0.42 | 0.26 | 0.68 | 0.16 | 0.74 | ..... |
| Archer | ..... | ..... | 0.19 | 0.74 | 1.61 | 0.48 | 1.51 | 4.35 | 1.37 | 0.73 | ..... | 0.16 | ..... |
| Arlington | 1.45 | 1.49 | 1.23 | 1.38 | 2.77 | 0.63 | 1.75 | 2.08 | 0.62 | 3.14 | 0.64 | 3.42 | 20.60 |
| Basin | ..... | ..... | 0.26 | 0.05 | 1.18 | 0.91 | 0.42 | 0.44 | ..... | ..... | ..... | ..... | ..... |
| Bedford | 0.72 | 2.26 | 1.45 | 0.45 | 1.51 | 0.66 | 1.03 | 0.81 | 0.06 | 2.34 | 0.65 | 2.54 | 14.48 |

*Monthly and annual precipitation for 1916*—Continued.

| Stations. | Jan. | Feb. | Mar. | Apr. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Annual. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Wyoming*—Continued. | | | | | | | | | | | | | |
| Big Creek | 2.25 | ..... | 0.82 | 1.24 | 0.59 | 0.08 | 0.76 | 1.68 | 1.64 | 1.93 | 1.39 | 2.99 | ..... |
| Border | 1.54 | 2.08 | 0.40 | 0.60 | 0.57 | 0.26 | 0.04 | 0.46 | 0.00 | 1.29 | 0.24 | 1.51 | 8.99 |
| Boyd | 0.49 | 0.22 | 1.44 | 1.40 | 1.53 | 2.30 | 1.52 | 2.00 | 0.33 | 0.98 | 0.54 | 1.86 | 14.61 |
| Buffalo | 0.27 | 0.30 | 0.69 | ..... | 1.40 | 1.35 | ..... | ..... | ..... | ..... | 0.44 | 0.60 | ..... |
| Burns | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.86 | ..... | ..... | ..... | ..... |
| Casper | 0.12 | 0.18 | 1.26 | 1.63 | 0.54 | 0.44 | 0.09 | 1.23 | 0.51 | 2.93 | 0.48 | 0.73 | 10.14 |
| Centennial | 1.17 | 1.27 | 0.96 | 0.42 | 0.91 | 0.04 | 1.39 | 1.64 | 0.62 | 1.13 | 0.75 | 3.15 | 13.45 |
| Cheyenne | 0.63 | 0.30 | 0.20 | 0.48 | 1.93 | 0.37 | 1.81 | 1.26 | 1.00 | 1.95 | 0.88 | 0.34 | 11.15 |
| Chugwater | 0.08 | 0.72 | ..... | ..... | ..... | T. | 0.41 | 0.41 | 0.31 | 1.17 | 0.83 | 0.41 | ..... |
| Clark | 0.57 | 1.07 | 0.09 | 0.37 | 1.00 | 1.37 | 0.46 | 0.60 | 0.32 | 0.83 | 0.73 | 0.59 | 8.00 |
| Cody | 0.11 | 0.32 | 0.09 | 0.45 | 1.48 | 1.64 | 0.47 | 0.56 | 0.19 | 1.39 | 0.27 | 0.21 | 7.18 |
| Cokeville | 1.50 | 1.71 | 1.26 | 0.88 | 1.04 | 0.74 | 0.48 | 0.98 | T. | 2.35 | 0.25 | 2.26 | 13.45 |
| Colony | 0.30 | 0.32 | 0.90 | 1.25 | 2.65 | 2.48 | 0.91 | 2.51 | 0.11 | 1.78 | 0.59 | 0.73 | 14.53 |
| Crandall Creek | ..... | ..... | ..... | ..... | ..... | 4.67 | 1.26 | 0.53 | ..... | 3.20 | ..... | ..... | ..... |
| Crowhill | ..... | ..... | ..... | 3.52 | 4.81 | 2.18 | 1.88 | 0.41 | 0.49 | 3.31 | 2.22 | 1.86 | ..... |
| Deaver | 0.01 | 0.42 | 0.01 | 0.15 | 0.88 | 0.49 | 0.34 | 0.41 | 0.52 | 0.29 | 0.08 | 0.43 | 4.03 |
| Dome Lake | 0.33 | 0.92 | 2.79 | 3.22 | 2.68 | 1.93 | 0.98 | 1.64 | 0.54 | 2.78 | 1.16 | 2.16 | 21.13 |
| Douglas | 0.08 | 0.50 | 0.77 | 1.10 | 1.03 | 0.71 | 0.39 | 1.47 | 0.38 | 1.74 | 0.44 | 0.26 | 8.87 |
| Dubois | 0.85 | 0.88 | 0.06 | 0.10 | 1.45 | 0.55 | 1.29 | 0.60 | 0.11 | 1.45 | 0.59 | 0.45 | 8.38 |
| Dutch Joe | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2.46 | ..... |
| Dwyer | 0.25 | 0.17 | 0.68 | 0.67 | 1.70 | 1.19 | 0.56 | 1.86 | 0.05 | 1.78 | 0.36 | 0.68 | 9.95 |
| Eaton Ranch | 0.52 | 1.20 | 2.56 | 2.85 | 2.95 | 1.56 | 0.38 | T. | 0.02 | ..... | ..... | ..... | ..... |
| Echeta | 1.30 | 0.70 | 1.50 | 1.45 | 1.41 | 2.43 | 0.50 | 0.10 | T. | 1.57 | 1.00 | 1.59 | 13.55 |
| Eden | 0.18 | 0.68 | 0.17 | 0.30 | 0.12 | 0.00 | 0.64 | 0.20 | ..... | 0.51 | 0.00 | 0.22 | ..... |
| Elk Mountain | ..... | 1.91 | 1.10 | 0.67 | 1.97 | 0.08 | 0.92 | 2.33 | 0.84 | 3.26 | 1.21 | 3.05 | ..... |
| Encampment | 1.36 | 0.38 | 0.72 | 0.70 | 1.40 | 0.03 | 0.54 | 2.41 | 1.75 | 2.19 | 0.61 | 0.63 | 12.72 |
| Ervay | 0.46 | 0.51 | 1.61 | 1.71 | 2.32 | 0.47 | 0.65 | 0.80 | 0.22 | 1.97 | 0.41 | 0.17 | 11.30 |
| Evanston | 3.36 | 1.15 | 1.86 | 0.84 | 0.33 | 0.25 | 0.46 | 1.36 | 0.69 | 2.11 | 0.40 | 1.32 | 14.13 |
| Fort Laramie | 0.31 | 0.33 | 0.26 | 1.20 | 2.82 | 0.78 | 0.37 | 2.48 | 0.35 | 1.12 | 0.25 | 0.35 | 10.62 |
| Foxpark | ..... | ..... | 1.31 | 0.78 | 1.27 | 0.04 | 1.88 | 2.31 | 1.30 | 1.13 | 1.07 | 1.94 | ..... |
| Germania | 0.14 | 0.12 | 0.21 | 0.46 | 1.31 | 0.58 | 0.53 | 0.39 | 0.18 | 0.49 | 0.34 | 0.96 | 5.71 |
| Gillette | 1.27 | 0.75 | ..... | ..... | ..... | ..... | ..... | 0.67 | 0.02 | 1.47 | 0.54 | 0.72 | ..... |
| Green River | 0.39 | 0.40 | 0.46 | 0.48 | 0.39 | 0.04 | 0.52 | 0.16 | 0.12 | 1.00 | 0.04 | 0.24 | 4.24 |
| Hecla | 1.09 | 0.83 | 1.06 | 0.53 | 2.05 | 0.41 | 2.24 | 0.47 | 1.33 | 1.01 | 0.67 | 0.84 | 12.53 |
| Hunter Station | ..... | ..... | ..... | ..... | 2.56 | 1.94 | 3.12 | 1.31 | 0.23 | 2.17 | ..... | ..... | ..... |
| Hyattville | 0.49 | 0.01 | 0.04 | 0.03 | 0.10 | 0.10 | 0.00 | 0.03 | 0.04 | 2.22 | 0.26 | 0.62 | 3.94 |
| Jackson | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | T. | 2.57 | 0.47 | 2.66 | ..... |
| Jireh | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.62 | 0.33 | ..... |
| Kendall | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.04 | 2.09 | ..... |
| Kinnear | 0.46 | 0.16 | 0.45 | 0.70 | 1.26 | 0.23 | 0.64 | 1.64 | 0.34 | 1.00 | 0.53 | 0.62 | 8.03 |
| Kirtley | 0.06 | 0.23 | 0.63 | 0.93 | 3.02 | 2.19 | 0.62 | 2.44 | 0.24 | 0.92 | 0.39 | 0.21 | 11.88 |
| Kirwin | ..... | ..... | ..... | ..... | ..... | 2.27 | 1.67 | 2.70 | ..... | ..... | ..... | ..... | ..... |
| Knowles | 0.31 | 0.69 | 1.92 | 0.82 | 3.26 | 3.65 | 2.75 | 1.54 | 0.35 | 1.70 | 0.57 | 0.98 | 18.54 |
| Lagrange | 0.19 | 0.31 | 0.30 | 0.85 | 2.96 | 0.25 | 2.54 | 2.35 | 0.45 | 1.28 | 0.57 | 0.33 | 12.38 |
| Lander | 1.03 | 0.40 | 1.62 | 0.62 | 1.51 | 0.19 | 0.33 | 0.27 | 0.13 | 1.96 | 0.82 | 1.37 | 10.25 |
| Laramie | 1.09 | 0.72 | 1.10 | 0.30 | 0.90 | 0.04 | 2.36 | 1.30 | 0.34 | 0.95 | 0.53 | 0.55 | 10.18 |
| Lovell | 0.44 | 0.12 | 0.00 | ..... | 0.85 | 0.40 | 0.40 | 0.85 | 0.60 | 0.22 | 0.28 | 0.77 | ..... |
| Lusk | ..... | 0.22 | 0.36 | 1.01 | 2.31 | 1.35 | 1.76 | 1.78 | T. | 0.45 | 0.75 | 0.08 | ..... |
| Middle Fork | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1.17 | ..... |
| Moorcroft (near) | 0.97 | 1.21 | 1.90 | 1.44 | 2.21 | 2.76 | 1.34 | 1.23 | 0.10 | 1.84 | 0.94 | 0.55 | 16.49 |
| Moore | 0.28 | 0.77 | 0.97 | 0.65 | 2.01 | 0.16 | 2.20 | 1.38 | 0.32 | 1.01 | 0.81 | 0.65 | 12.11 |
| Moran | 2.21 | 3.06 | 3.55 | 0.61 | 1.84 | 1.55 | 2.02 | 1.91 | 0.59 | 2.48 | 0.45 | 2.51 | 22.78 |
| Opal | ..... | ..... | ..... | 0.03 | T. | 0.01 | 0.11 | ..... | ..... | 0.71 | ..... | 1.54 | ..... |
| Painter | 0.40 | 0.60 | 1.40 | 1.90 | 3.10 | 3.00 | 1.10 | 0.30 | 0.10 | 1.10 | 0.70 | 0.58 | 14.28 |
| Pathfinder | 0.41 | 0.40 | 0.68 | 1.30 | 1.08 | 0.01 | 0.11 | 0.42 | 0.34 | 0.68 | 0.28 | 0.58 | 6.29 |
| Pinebluff | 0.08 | ..... | ..... | 1.00 | 3.50 | 0.63 | 2.52 | 1.44 | ..... | ..... | 0.53 | ..... | ..... |
| Pinedale | 1.76 | 1.10 | 1.36 | 0.19 | 0.85 | 0.13 | 0.97 | 2.05 | 0.01 | 1.34 | 0.12 | 1.52 | 11.40 |
| Powell | 0.01 | 0.23 | 0.30 | 0.08 | 1.38 | 0.78 | 0.22 | 0.28 | 0.21 | 0.50 | 0.30 | 0.40 | 4.69 |
| Rawlins | 1.06 | 0.65 | 0.63 | 0.57 | 0.64 | 0.20 | 1.24 | 1.82 | 1.09 | 1.49 | 0.25 | 1.02 | 10.66 |
| Rock River | 0.68 | 1.27 | 1.24 | 0.39 | 1.39 | 0.38 | 1.12 | 1.61 | 0.33 | 1.80 | 0.18 | 0.66 | 11.05 |
| Rockypoint | 0.70 | 0.96 | 0.74 | 0.99 | 1.61 | 2.42 | 6.10 | 1.02 | 0.52 | 1.15 | 0.56 | 0.81 | 17.58 |
| Sand Lake | 4.11 | 5.84 | 2.89 | 2.41 | 1.96 | 0.10 | 1.60 | 2.10 | 0.81 | 2.20 | 3.08 | ..... | ..... |
| Saratoga (near) | 1.13 | 0.66 | 0.36 | 0.89 | 0.88 | 0.28 | 0.52 | 3.63 | 0.38 | 2.46 | 0.73 | 0.97 | 12.89 |
| Sevenmile Creek | 0.88 | 0.69 | 0.72 | 0.60 | 1.47 | 0.14 | 1.16 | 2.01 | 0.50 | 1.27 | 0.87 | 2.66 | 12.97 |
| Sheridan | 0.92 | 1.17 | 0.92 | 2.71 | 3.04 | 2.23 | 0.83 | 0.13 | 0.56 | 2.85 | 0.90 | 1.07 | 17.33 |
| Sheridan Creek | 0.88 | 1.81 | 1.50 | 0.69 | 1.68 | 0.61 | 2.40 | 1.99 | 0.42 | 1.81 | 0.90 | 1.89 | 16.58 |
| Sherman | 0.38 | 0.14 | 0.48 | 0.23 | 1.27 | 0.24 | 1.80 | 0.61 | 1.21 | 1.19 | 0.85 | 0.21 | 8.61 |
| Shoshone Dam | 0.28 | 0.76 | 0.17 | 0.24 | 2.18 | 1.05 | 0.48 | 0.94 | 0.03 | 1.46 | 0.61 | 0.16 | 8.36 |
| Snider Basin Ranger Station | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.01 | ..... | ..... | ..... | ..... | ..... |
| South Pass City | 1.73 | 0.83 | 1.50 | 0.46 | 0.07 | 0.19 | 0.58 | 1.17 | 0.20 | 1.31 | 0.31 | 1.37 | 9.72 |
| Sundance | 0.27 | 0.36 | 1.51 | 0.98 | 2.17 | 3.16 | 1.00 | 1.15 | 0.62 | 2.10 | 0.65 | 3.64 | 17.61 |
| Superior | 1.38 | 0.47 | 0.27 | 0.50 | 0.62 | 0.20 | 1.95 | 1.37 | 0.02 | 1.09 | T. | 0.68 | 9.15 |
| Thermopolis | 0.33 | 0.54 | 0.77 | 1.01 | 0.64 | 0.46 | 0.32 | 0.35 | 0.40 | 1.42 | 0.69 | 0.58 | 7.51 |
| Upton | 0.28 | 0.39 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.61 | ..... |
| Valley | 0.44 | 0.72 | 1.25 | 0.79 | 3.02 | 1.07 | 1.96 | 1.23 | 0.40 | 2.29 | 0.56 | 0.35 | 14.08 |
| Van Tassel | 0.23 | 0.65 | 0.76 | 0.58 | 3.15 | 2.02 | 0.82 | 3.83 | 0.06 | 0.70 | 0.62 | 0.46 | 13.88 |
| Verona | 1.15 | 0.50 | 0.83 | 1.75 | 3.56 | 3.25 | 1.40 | T. | 0.75 | 1.60 | 1.25 | 1.13 | 17.17 |
| Wheatland | 0.43 | 0.72 | 0.72 | 0.16 | 2.27 | 0.41 | 0.60 | ..... | ..... | 1.46 | 0.60 | 0.29 | ..... |
| Worland | 0.42 | 0.24 | 0.11 | 0.53 | 0.97 | 0.48 | 0.32 | 0.38 | 0.18 | ..... | 0.09 | ..... | ..... |
| Wyncote | 0.16 | 0.21 | 0.26 | 0.61 | 3.63 | 1.10 | 0.37 | 3.00 | 0.17 | 1.14 | 0.47 | 0.33 | 11.45 |
| Yellowstone Park [1] | 2.60 | 0.59 | 1.46 | 1.05 | 2.23 | 2.36 | 1.94 | 0.70 | 0.71 | 3.47 | 0.69 | 2.47 | 20.27 |
| Bechler River [1] | 4.60 | 2.20 | 1.99 | 0.45 | 2.74 | 2.60 | 1.78 | 1.55 | ..... | ..... | 3.37 | 3.22 | ..... |
| Fountain [1] | 3.51 | 1.36 | 2.29 | 1.40 | 3.33 | 2.00 | 0.93 | 1.31 | 0.24 | ..... | ..... | ..... | ..... |
| Gallatin [1] | 2.54 | 0.86 | 3.50 | 1.06 | 2.08 | 1.97 | 1.39 | 1.37 | 1.44 | ..... | 0.83 | 2.85 | ..... |
| Grand Canyon [1] | 4.37 | 1.86 | 1.56 | 1.50 | 2.72 | 2.91 | 1.23 | 1.21 | 0.57 | ..... | ..... | ..... | ..... |
| Lake Yellowstone [1] | 5.66 | 2.76 | 3.30 | 1.62 | 2.60 | 2.40 | 1.24 | 0.76 | 1.43 | ..... | ..... | ..... | ..... |
| Norris [1] | ..... | ..... | ..... | ..... | ..... | 0.08 | 0.43 | 0.53 | 0.50 | ..... | ..... | ..... | ..... |
| Riverside [1] | 3.36 | 1.60 | 2.80 | 1.00 | 2.40 | 1.10 | 0.78 | 0.94 | 0.55 | 2.65 | 1.40 | 1.98 | 20.56 |
| Snake River [1] | 9.30 | 3.50 | 3.10 | ..... | ..... | ..... | ..... | 1.67 | ..... | ..... | 1.49 | ..... | ..... |
| Soda Butte [1] | 2.48 | 1.95 | 2.61 | 2.01 | 2.86 | 4.25 | 0.90 | 0.59 | 0.74 | 2.44 | 1.25 | 2.46 | 24.63 |
| Sylvan Pass [1] | 2.78 | 3.33 | 3.08 | 1.96 | 3.24 | 2.07 | 1.46 | 1.70 | ..... | ..... | ..... | ..... | ..... |
| Thumb [1] | 6.43 | 3.10 | 3.03 | 1.55 | 1.99 | 2.56 | 1.94 | 1.71 | 1.03 | ..... | ..... | ..... | ..... |
| Tower Falls [1] | 2.00 | 1.21 | 1.34 | 2.50 | 2.69 | 2.74 | 1.53 | 1.12 | 0.48 | ..... | ..... | ..... | ..... |
| Upper Geyser Basin [1] | 3.40 | 2.37 | 3.31 | 1.06 | 2.80 | 2.34 | 1.27 | 1.50 | 0.74 | ..... | ..... | ..... | ..... |

[1] Yellowstone Park station.

## SNOWFALL, 1916–1917.

*Monthly and seasonal snowfall, 1916–1917.*

NOTE.—Leaders under heading of months indicates no snow; under seasonal, report incomplete; T, a trace; *, no report.

[Inches and tenths.]

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Alabama.* | | | | | | | | | | |
| Anniston | ..... | ..... | ..... | T. | 0.1 | 0.1 | T. | ..... | ..... | 0.2 |
| Auburn | ..... | ..... | ..... | ..... | T. | T. | ..... | ..... | ..... | T. |
| Bermuda | ..... | ..... | ..... | (*) | ..... | ..... | ..... | ..... | ..... | ..... |
| Birmingham | ..... | ..... | ..... | T. | T. | T. | T. | ..... | ..... | T. |
| Cordova | ..... | ..... | ..... | ..... | ..... | T. | ..... | ..... | ..... | T. |
| Decatur | ..... | ..... | ..... | T. | T. | T. | T. | ..... | ..... | T. |
| Florence | ..... | ..... | ..... | 1.0 | T. | 0.7 | T. | ..... | ..... | 1.7 |
| Gadsden | ..... | ..... | ..... | ..... | ..... | T. | T. | ..... | ..... | T. |
| Greensboro | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Highland Home | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Mobile | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Montgomery | ..... | ..... | ..... | ..... | ..... | T. | ..... | ..... | ..... | T. |
| Oneonta | ..... | ..... | ..... | T. | 0.2 | T. | T. | ..... | ..... | 0.2 |
| Union Springs | ..... | ..... | ..... | ..... | ..... | T. | ..... | ..... | ..... | T. |
| Valley Head | ..... | ..... | ..... | ..... | T. | 1.0 | ..... | ..... | ..... | 1.0 |
| *Alaska.* | | | | | | | | | | |
| Akulurak | T. | 3.5 | 16.5 | 9.0 | (*) | 7.8 | 35.5 | 13.0 | (*) | ..... |
| Allakaket | T. | 5.0 | (*) | 5.0 | (*) | 11.4 | (*) | (*) | (*) | ..... |
| Anchorage | ..... | 6.5 | 8.0 | 9.1 | 30.5 | 11.0 | 11.5 | 0.5 | (*) | ..... |
| Annex Creek | (*) | (*) | (*) | (*) | 56.0 | 32.5 | 30.0 | T. | (*) | ..... |
| Barrow | 6.2 | 20.0 | 12.0 | 5.5 | (*) | (*) | (*) | ..... | (*) | ..... |
| Calder | ..... | ..... | 7.0 | 42.0 | 27.0 | 3.0 | 30.0 | ..... | (*) | ..... |
| Camp No. 4 | (*) | (*) | (*) | (*) | 64.0 | 22.0 | (*) | 4.0 | (*) | ..... |
| Camp No. 6 (near Thane) | 4.0 | 23.0 | 91.5 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Candle | T. | (*) | (*) | (*) | (*) | (*) | (*) | ..... | (*) | ..... |
| Chicken | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Chitina | (*) | (*) | (*) | (*) | (*) | (*) | 3.5 | T. | (*) | ..... |
| Claim No. 2 | 1.1 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Copper Center | (*) | (*) | 4.5 | 8.2 | (*) | (*) | (*) | (*) | (*) | ..... |
| Cordova | (*) | (*) | (*) | (*) | (*) | (*) | (*) | T. | (*) | ..... |
| Donnelly | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 3.0 | (*) | ..... |
| Dutch Harbor (1001) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Eagle | 1.0 | 3.1 | 3.5 | 9.2 | 7.5 | 9.8 | 5.0 | 0.4 | (*) | ..... |
| Fairbanks | (*) | 6.9 | 7.2 | 11.4 | 6.2 | 5.3 | 3.5 | (*) | (*) | ..... |
| Fort Liscum | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Gulkana | (*) | (*) | (*) | 6.0 | (*) | (*) | (*) | (*) | (*) | ..... |
| Haines | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Hogan | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Holy Cross | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Hot Springs | (*) | (*) | (*) | 28.9 | (*) | 6.9 | 10.5 | 1.8 | (*) | ..... |
| Jumbo Mine | ..... | (*) | 74.0 | 116.0 | 64.0 | 18.0 | 15.2 | (*) | (*) | ..... |
| Juneau | ..... | ..... | (*) | 36.5 | 35.4 | 13.7 | 27.9 | 1.0 | ..... | ..... |
| Kennecott | (*) | 5.0 | 29.5 | 16.0 | 33.0 | 10.5 | 2.0 | (*) | (*) | ..... |
| Ketchikan | ..... | ..... | ..... | 10.2 | 9.2 | 1.8 | 19.5 | (*) | (*) | ..... |
| Klukiwan | ..... | 1.3 | 25.8 | 30.5 | 15.0 | 5.0 | 8.5 | 5.0 | (*) | ..... |
| Kodiak | ..... | T. | 5.0 | 9.0 | (*) | (*) | 9.3 | (*) | (*) | ..... |
| Latouche | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Loring | ..... | (*) | 4.7 | 32.5 | 23.0 | 4.0 | 33.0 | (*) | (*) | ..... |
| Mile 52 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Nenana | (*) | (*) | (*) | (*) | 9.5 | 7.0 | 6.4 | 5.0 | (*) | ..... |
| Nome | T. | 3.0 | 2.0 | (*) | (*) | 1.4 | (*) | (*) | (*) | ..... |
| Perseverance | ..... | 7.0 | (*) | (*) | 60.0 | (*) | 79.0 | 5.0 | (*) | ..... |
| Rampart | ..... | 8.8 | 4.0 | 12.7 | 10.9 | 5.0 | 0.6 | T. | (*) | ..... |
| Salmon Creek Beech | (*) | (*) | (*) | (*) | 31.5 | 14.0 | 19.0 | (*) | (*) | ..... |
| Seward | (*) | (*) | (*) | (*) | (*) | (*) | (*) | T. | (*) | ..... |
| Shrimp Bay | ..... | ..... | 2.5 | 28.0 | (*) | (*) | (*) | (*) | (*) | ..... |
| Sitka | ..... | T. | 0.6 | 17.5? | 12.0 | 1.5? | 9.0 | T. | (*) | ..... |
| Shungnak | 0.5 | 9.2 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Speel River | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Sulzer | ..... | ..... | (*) | 20.5 | 15.6 | 2.0 | (*) | (*) | (*) | ..... |
| Tanana | T. | 8.7 | 13.3 | 25.9 | 11.6 | 19.7 | 1.9 | 0.3 | (*) | ..... |
| Thane Beach | (*) | (*) | (*) | (*) | 23.0 | 10.0 | 28.0 | (*) | (*) | ..... |
| Valdez | (*) | 0.8 | 45.2 | 71.0 | 99.5 | 29.1 | 7.3 | 4.0 | (*) | ..... |
| Yakutat | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 12.0 | (*) | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Arizona.* | | | | | | | | | | |
| Alamo Ranger Station | | | | 2.0 | 3.0 | 2.0 | | | | 7.0 |
| Allen Lake Ranger Station | | | | 8.9 | 18.7 | 5.3 | 1.5 | | | 34.4 |
| Alpine | | | 0.5 | 15.0 | 21.0 | 25.5 | 0.0 | 6.0 | 6.0 | 74.0 |
| Arivaca | (*) | (*) | (*) | (*) | (*) | (*) | 2.0 | | | |
| Ashdale Ranger Station | | | | 3.2 | 1.0 | 9.5 | T. | | | 13.7 |
| Ashfork | | | | 5.0 | 13.0 | 6.0 | 0.8 | 6.0 | | 30.8 |
| Bald Hill Ranger Station | | | | 87. | 9.0 | 21.7 | | | | 39.4 |
| Baseline Ranger Station | | | | 5.0 | (*) | T. | T. | | | |
| Beaver Creek Ranger Station | | | | (*) | 1.5 | 8.0 | | (*) | (*) | |
| Benson | | | | 5.5 | | | | | | 5.5 |
| Bisbee | | | | 5.0 | | 5.5 | | 0.8 | T. | 11.3 |
| Blue | | | | 8.0 | 1.0 | 9.5 | T. | 3.0 | | 21.5 |
| Bly Ranger Station | | | T. | (*) | 18.5 | 20.9 | (*) | 14.2 | 2.0 | |
| Bonita | | | | 9.0 | 8.0 | 9.0 | 0.5 | | | 26.5 |
| Canille | | | | 9.0 | 3.0 | 7.0 | 1.5 | | | 20.5 |
| Carrs Ranch | | | | 17.0 | 46.0 | 38.1 | 2.0 | T. | 0.3 | 103.4 |
| Cedar Glade | | | | 5.0 | 13.5 | 2.0 | T. | 6.0 | | 26.5 |
| Childs | | | | 0.5 | | T. | | | | 0.5 |
| Chin Lee | | | T. | 1.0 | 15.5 | 3.5 | 0.5 | 0.5 | T. | 21.0 |
| Cochise | | | | 1.0 | | | 0.8 | | | 1.8 |
| Cosnino | | | | (*) | 16.8 | (*) | (*) | 16.5 | | |
| Crown King | | | | 18.0 | 29.0 | 30.0 | 7.0 | | | 84.0 |
| Douglas | | | T. | 1.0 | | T. | | | | 1.0 |
| Dudleyville | | | | 3.5 | | 4.0 | 1.0 | | | 8.5 |
| El Dorado | | | | 7.0 | 3.0 | | 2.0 | | T. | 12.0 |
| Elgin (near) | | | | 2.0 | | 3.0 | (*) | (*) | (*) | |
| Fairbank | | | | 4.0 | | | | | | 4.0 |
| Flagstaff | | | | 17.5 | 31.1 | 22.7 | 5.3 | 35.9 | 0.9 | 113.4 |
| Florence | | | | T. | | 1.0 | | | | 1.0 |
| Fort Apache | | | | 8.0 | 9.8 | 12.5 | T. | T. | T. | 30.3 |
| Fort Huachuca | | | | 6.0 | T. | 3.0 | T. | T. | | 9.0 |
| Fort Valley | | T. | | 19.0 | 30.5 | 20.5 | 8.5 | 44.5 | 4.0 | 127.0 |
| Gisela | | | | (*) | T. | 7.0 | 1.0 | | | |
| Globe | | | | 2.0 | 8.0 | 4.0 | T. | | | 14.0 |
| Grand Canyon | | | T. | 10.0 | 34.0 | 10.0 | 3.0 | 13.0 | T. | 70.0 |
| Granite Reef Dam | | | | | | 2.0 | T. | | | 2.0 |
| Groom Creek | (*) | (*) | (*) | (*) | 27.5 | 30.0 | 2.5 | 18.0 | (*) | |
| Hackberry | | | | 2.0 | 8.0 | | 1.0 | | | 11.0 |
| Hackberry Ranger Station | | | | 2.0 | T. | 1.8 | | | | 3.8 |
| Heber | | | T. | 26.0 | 24.5 | 17.6 | 2.7 | 7.0 | | 77.8 |
| Helvetia | | | | 5.0 | | | | | | 5.0 |
| Henrys Camp | | | | 9.4 | 19.4 | 40.8 | 2.5 | T. | | 72.1 |
| Hereford | | | | 1.0 | | T. | | | | 1.0 |
| Holbrook | | | | 5.0 | 6.5 | 3.0 | 2.0 | T. | | 16.5 |
| Honeymoon | | | | 8.0 | 12.0 | 16.5 | 0.5 | T. | T. | 37.0 |
| Jerome | | | | (*) | 15.0 | 18.5 | T. | 3.0 | | |
| Johnson Wash | | | | 9.0 | 12.5 | 24.0 | | 1.5 | | 47.0 |
| Keams Canyon | | | | 5.5 | 17.0 | 16.0 | 9.0 | 5.0 | | 52.5 |
| Kingman | | | | 2.2 | 5.0 | | T. | | | 7.2 |
| Klondyke | | | | 5.0 | 6.0 | 5.5 | 1.5 | | | 18.0 |
| Lakeside | | | T. | 17.2 | 16.9 | 20.7 | 2.2 | 4.9 | 6.6 | 68.5 |
| Lakeside Ranger Station | | | T. | 17.2 | 16.9 | 20.7 | 2.2 | 4.9 | 6.6 | 68.5 |
| Lees Ferry | | | | 6.0 | 13.0 | (*) | | | | |
| Leslie Canyon | | | T. | 2.0 | | T. | | | | 2.0 |
| Leupp | | | | 4.5 | 6.0 | 1.5 | | | | 12.0 |
| Lewis Springs | | | | 2.0 | | | T. | | | 2.0 |
| Light | | | | 6.0 | | | | | | 6.0 |
| Lukachukai | | | T. | (*) | (*) | (*) | (*) | 7.0 | T. | |
| McNeal | | | | (*) | (*) | (*) | (*) | 6.0 | | |
| Marquette Ranger Station | | | | (*) | (*) | (*) | (*) | 5.5 | T. | |
| Miami | | | | 2.5 | 7.5 | | 0.5 | | | 10.5 |
| Naco | | | | 2.5 | | 3.0 | | | | 5.5 |
| Natural Bridge | | | | 8.0 | 9.0 | 25.0 | T. | 1.0 | | 43.0 |
| Nogales | | | | 6.0 | | 1.0 | T. | | | 7.0 |
| Nutrioso | | | | 8.0 | 4.0 | (*) | 7.0 | 7.0 | | |
| Oracle | | | | 8.0 | 3.0 | 8.0 | 4.0 | | | 23.0 |
| Osborn | | | | 6.0 | (*) | | | | | |
| Paradise | | | | 7.0 | 2.5 | | 1.0 | | | 10.5 |
| Payson | | | | 18.0 | 22.0 | 28.0 | T. | | | 68.0 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Arizona*—Continued. | | | | | | | | | | |
| Pearce (near) | | | | 9.0 | | 3.0 | | | | 12.0 |
| Pinal Ranch | | | | 12.0 | 11.5 | 8.0 | | | | 31.5 |
| Pinedale | | | | 14.0 | 20.0 | 30.0 | 1.0 | 0.4 | 0.3 | 65.7 |
| Pinto | | | | 8.5 | 18.5 | 6.0 | T. | T. | | 33.0 |
| Portal | | | | 4.5 | | 3.0 | | | | 7.5 |
| Prescott | | | | 11.0 | 20.0 | 15.7 | 2.2 | 8.5 | | 57.4 |
| Prescott Dry Farm | | | | (*) | 12.8 | 4.2 | 1.8 | 4.0 | | |
| Redrock | | | | 1.0 | | T. | | | | 1.0 |
| Rosemont | | | | 8.5 | | 2.0 | | | | 10.5 |
| Ruby | | | | 4.0 | | | | | | 4.0 |
| St. Johns | | | | 5.0 | 9.0 | 5.5 | | 2.5 | | 22.0 |
| St. Michaels | | | T. | 4.0 | 17.0 | 1.5 | T. | T. | | 22.5 |
| Salome | | | | 1.0 | 2.0 | | | | | 3.0 |
| Seligman | | | | 5.0 | 5.0 | 7.0 | 2.0 | 4.0 | | 23.0 |
| Show Low | | | | 14.5 | 8.0 | 18.5 | 0.5 | 3.0 | | 44.5 |
| Silverbell | | | | 4.0 | | (*) | T. | | | |
| Snowflake | | | | 7.0 | 9.0 | 16.5 | T. | 2.0 | T. | 34.5 |
| Springerville | | | 3.0 | 1.8 | 5.6 | 5.5 | 0.3 | T. | | 16.2 |
| Sunflower Ranger Station | | | | 7.9 | (*) | (*) | (*) | | | |
| Supai | | | | | 7.5 | T. | 2.0 | | | 9.5 |
| Tex Canyon Ranger Station | | | | 4.0 | 2.0 | 4.0 | T. | T. | | 10.0 |
| Thatcher | | | | T. | 1.0 | | | | | 1.0 |
| Tombstone | | | | 5.0 | | | | | | 5.0 |
| Tonto Ranger Station | | | | 10.5 | 18.5 | 7.0 | T. | 4.0 | | 40.0 |
| Truxton | | | | 6.0 | (*) | 3.5 | 3.0 | | | |
| Tuba | | | T. | 2.0 | 14.3 | 3.5 | 1.5 | T. | T. | 21.3 |
| Tucson | | | | 2.0 | | | | | | 2.0 |
| University of Arizona | | | | 4.0 | | | | | | 4.0 |
| Walnut Creek Ranger Station | | | | 10.0 | 17.0 | 11.0 | 2.0 | 6.0 | | 46.0 |
| Walnut Grove | | | | 10.0 | 3.0 | 6.0 | 2.0 | | | 21.0 |
| Wickenburg | | | | 2.0 | 1.0 | | | | | 3.0 |
| Willcox | | | | 8.0 | T. | 1.0 | 1.0 | | | 10.0 |
| Williams | | T. | | 19.0 | 30.9 | 20.2 | 3.6 | 31.8 | T. | 105.5 |
| Willow Wash | | | | 6.0 | 16.0 | 19.0 | T. | 2.0 | | 43.0 |
| Windmill Ranch | | | | 10.0 | 10.5 | 12.5 | | | | 33.0 |
| Winona | | | | 9.0 | 13.0 | 14.0 | 2.0 | 24.0 | | 62.0 |
| Winslow | | | | 12.0 | 7.0 | 4.0 | T. | 6.0 | | 29.0 |
| *Arkansas.* | | | | | | | | | | |
| Alicia | | | T. | 7.0 | 8.5 | 1.0 | 0.8 | | | 17.3 |
| Amity | | | | 0.5 | 7.0 | | | | | 7.5 |
| Arkadelphia | | | | | (*) | | (*) | | | |
| Arkansas City | | | | | 2.0 | (*) | 2.0 | | | |
| Batesville | | | T. | 6.0 | 4.0 | T. | T. | | | 10.0 |
| Bee Branch | | | | 8.3 | 3.2 | | T. | | | 11.5 |
| Bentonville | | | 0.2 | 11.8 | 1.5 | 8.1 | 9.1 | | | 30.7 |
| Bergman | | | T. | 9.5 | 1.0 | 8.5 | 1.5 | | | 20.5 |
| Bigelow | | | T. | 4.7 | (*) | (*) | (*) | (*) | (*) | |
| Black Rock | | | T. | 5.5 | 4.0 | 1.0 | T. | | | 10.5 |
| Booneville | | | | 7.3 | 2.5 | | T. | | | 9.8 |
| Brinkley | | | | 5.5 | 3.0 | | T. | | | 8.5 |
| Calico Rock | | | 0.5 | 7.0 | 4.0 | 5.0 | 0.5 | | | 17.0 |
| Camden | | | T. | | 2.5 | | T. | | | 2.5 |
| Centerpoint | | | T. | | 6.0 | | 3.0 | | | 9.0 |
| Clarendon | | | T. | 4.0 | 4.1 | T. | 1.5 | | | 9.6 |
| Conway | | | T. | 5.0 | 4.0 | | 0.8 | | | 9.8 |
| Corning | | | T. | 6.2 | (*) | | T. | | | |
| Crossett | | | T. | | T. | 0 | T. | | | T. |
| Danville | | | T. | 9.0 | 3.5 | | | | | 12.5 |
| Dardanelle | | | T. | 8.5 | 2.0 | | | | | 10.5 |
| Dodd City | | | 0.5 | 11.3 | (*) | (*) | (*) | | | |
| Dumas | | | T. | | 2.0 | | 0.8 | | | 2.8 |
| Dutton | | | T. | 6.5 | 2.0 | 1.0 | 1.0 | | | 10.5 |
| El Dorado | | | | T. | T. | | 0.1 | | | 0.1 |
| England | | | | 2.0 | 5.0 | (*) | T. | | | |
| Eureka Springs | | | T. | 7.0 | 2.0 | 7.0 | 1.0 | | | 17.0 |
| Fayetteville | | | T. | 9.0 | 1.5 | 6.8 | T. | | | 17.3 |
| Fordyce | | | T. | T. | 3.5 | | 2.0 | | | 5.5 |
| Foreman | (*) | (*) | (*) | (*) | (*) | (*) | 2.5 | | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Arkansas*—Continued. | | | | | | | | | | |
| Fort Smith | | | T. | 8.3 | 0.8 | T. | T. | | | 9.1 |
| Fulton | | | | | 6.0 | | 2.0 | | | 8.0 |
| Georgetown | | | | 6.5 | 6.0 | | 2.5 | | | 15.0 |
| Gravette | | | T. | 8.0 | 2.0 | 8.0 | | | | 18.0 |
| Hardy | | | T. | 13.5 | 6.0 | 4.0 | 0.5 | T. | | 24.0 |
| Helena | | | | (*) | (*) | | (*) | | | |
| Hemp Wallace | | | | 0.3 | 7.2 | | T. | | | 7.5 |
| Hope | | | | | 6.5 | | 3.0 | | | 9.5 |
| Hot Springs | | | T. | 0.6 | 5.1 | | 0.2 | | | 5.9 |
| Huttig | | | | | 2.0 | | T. | | | 2.0 |
| Jelks | | | (*) | (*) | 5.0 | | 1.0 | | | 6.0 |
| Jonesboro | | | T. | 5.5 | 9.0 | T. | 1.0 | | | 15.5 |
| Junction | | | | | 2.0 | | 1.0 | | | 3.0 |
| Lewisville | | | | (*) | (*) | (*) | (*) | (*) | (*) | |
| Little Rock | | | T. | 3.2 | 5.5 | T. | 0.4 | | | 9.1 |
| Lutherville | | | T. | 8.0 | 3.0 | | | | | 11.0 |
| Malvern | | | | 1.0 | 6.0 | | 1.0 | | | 8.0 |
| Mammoth Spring | | | T. | 4.3 | 4.0 | 6.0 | T. | | | 14.3 |
| Marianna | | | | 2.7 | 3.1 | | 3.9 | | | 9.7 |
| Marked Tree | | | T. | 13.5 | 5.5 | | 2.5 | | | 21.5 |
| Marshall | | | 1.0 | 8.2 | 6.5 | 2.0 | 1.0 | | | 18.7 |
| Mena | | | T. | 1.4 | 2.8 | | 0.4 | | | 4.6 |
| Mountain Home | (*) | (*) | (*) | (*) | (*) | 5.7 | T. | | | |
| Mount Ida | | | T. | 1.0 | 4.8 | | 0.1 | | | 5.9 |
| Murfreesboro | | | (*) | (*) | 4.0 | (*) | (*) | (*) | | |
| Nail | | | | 7.3 | 1.5 | 1.0 | | | | 9.8 |
| Newport | | | | 8.0 | 5.1 | | T. | | | 13.1 |
| Okay | | | T. | 12.0 | 2.0 | | (*) | | | |
| Osceola | | | | 11.0 | 7.0 | | 3.0 | | | 21.0 |
| Osark | | | | 8.5 | 1.0 | | T. | | | 9.5 |
| Pine Bluff | | | | 0.5 | 3.0 | | 2.0 | | | 5.5 |
| Pocahontas | | | 0.5 | 5.7 | 4.0 | 1.5 | 1.0 | | | 12.7 |
| Portland | | | | | 2.5 | | 3.0 | | | 5.5 |
| Prescott | | | | | 6.0 | | 1.5 | | | 7.5 |
| Princeton | | | | | (*) | | | | | |
| Rison | | | | (*) | 3.0 | | (*) | | | |
| Rogers | | | T. | 10.5 | 2.2 | 6.7 | 1.5 | | | 20.9 |
| Searcy | | | | 6.0 | (*) | | T. | | | |
| Sheridan | | | | 0.5 | 6.3 | | 2.3 | | | 9.1 |
| Springbank | | | T. | | 3.0 | | (*) | | | |
| Stuttgart | | | | 2.5 | 3.5 | | T. | | | 6.0 |
| Subiaco | | | T. | 4.8 | 2.0 | | | | | 6.8 |
| Texarkana | | | | | (*) | | (*) | | | |
| Umphers | (*) | (*) | (*) | (*) | (*) | (*) | 0.2 | | | |
| Warren | | | | | 2.0 | | 4.0 | | | 6.0 |
| Whitecliffs | | | | T. | 6.0 | | 3.0 | | | 9.0 |
| Wynne | | | | 5.0 | 3.5 | | 1.0 | | | 9.5 |
| *California.* | | | | | | | | | | |
| Alturas | | 3.5 | 3.5 | 11.2 | 16.5 | 26.0 | 18.0 | 5.5 | 1.2 | 85.4 |
| Bear Valley Dam | | | 2.0 | 41.0 | 34.0 | 40.0 | 24.0 | 19.5 | | 160.5 |
| Bishop Creek | | 42.5 | 6.0 | 55.5 | 6.0 | 94.8 | 9.0 | 14.0 | 11.8 | 239.6 |
| Blue Canon | | 12.0 | 20.0 | 65.0 | 41.0 | 90.0 | 45.0 | 7.0 | 1.0 | 281.0 |
| Branscomb | | | 1.0 | 14.0 | 0.2 | 5.0 | 6.0 | | | 26.0 |
| Bridgeport | | 6.0 | 2.0 | 13.0 | T. | 24.0 | 4.0 | 6.0 | 1.5 | 56.5 |
| Bucks | (*) | 12.0 | 35.0 | 112.0 | 48.0 | 130.0 | 61.0 | 24.0 | 7.0 | |
| Burney | | 1.0 | T. | 17.0 | 7.5 | 16.0 | 10.0 | T. | | 51.5 |
| Cahuilla | | | | 6.0 | 4.0 | 6.0 | 1.0 | 0.5 | | 17.5 |
| Camptonville (near) | | | 2.0 | 38.5 | 17.0 | 25.0 | 35.5 | 0.5 | | 118.5 |
| Canon Dam | | | | 32.0 | 12.0 | 43.0 | 19.0 | 5.0 | 1.5 | 112.5 |
| Cascada | | 2.5 | 9.0 | 45.5 | 14.0 | 36.5 | 17.0 | 10.5 | | 135.0 |
| Cedarville | | | 3.0 | 18.0 | 20.0 | 20.0 | 9.0 | | | 70.0 |
| Chester | | | 8.0 | 38.0 | 16.0 | 35.5 | 19.0 | 10.0 | 2.0 | 128.5 |
| Clover Valley | (*) | (*) | 3.0 | 38.0 | 8.0 | 42.0 | 31.0 | 1.0 | (*) | |
| Colfax | | | | 19.0 | | 19.0 | 18.0 | | | 56.0 |
| Converse Nursery | | 1.0 | T. | 34.0 | 19.0 | 20.0 | 8.0 | 14.0 | (*) | |
| Covelo | | | | 9.0 | | | 30.0 | | | 39.0 |
| Cuyamaca | | | | 15.5 | | 21.0 | 4.0 | 6.2 | | 46.7 |
| Deer Creek | | | 18.0 | 70.0 | 19.0 | 70.0 | 45.0 | 7.0 | | 229.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *California*—Continued. | | | | | | | | | | |
| De Sabla | ..... | T. | ..... | 6.5 | 23.0 | 7.0 | 14.5 | ..... | ..... | 51.0 |
| Downieville | ..... | T. | 1.0 | 36.0 | 7.5 | 23.0 | 43.0 | 2.5 | ..... | 113.0 |
| Dudleys | ..... | T. | 3.0 | 40.0 | 7.0 | 15.0 | 15.5 | 3.0 | ..... | 83.5 |
| Eagle Lake | (*) | (*) | 4.2 | 23.0 | 5.0 | 18.0 | 16.0 | 4.5 | (*) | ..... |
| Emigrant Gap | ..... | 10.0 | 22.0 | 83.0 | 29.0 | 86.0 | 58.0 | 10.0 | 1.0 | 299.0 |
| Fordyce Dam | ..... | 21.0 | 40.0 | 106.0 | 37.0 | 131.0 | 50.0 | 27.0 | 9.0 | 421.0 |
| Fort Bidwell | ..... | ..... | 10.5 | 23.5 | 14.0 | 41.0 | 16.0 | 1.5 | ..... | 106.5 |
| Glennville | ..... | ..... | T. | 12.0 | 1.5 | 11.0 | 3.0 | T. | ..... | 27.5 |
| Gold Run | ..... | ..... | 5.0 | 12.0 | 2.0 | 25.0 | 27.0 | T. | ..... | 71.0 |
| Grass Valley | ..... | ..... | T. | 17.0 | T. | 18.0 | 23.0 | ..... | ..... | 58.0 |
| Happy Camp | ..... | ..... | ..... | 28.7 | 11.8 | 22.0 | 13.5 | ..... | ..... | 76.0 |
| Hayfork | ..... | ..... | ..... | ..... | ..... | 5.0 | 10.0 | T. | ..... | 15.0 |
| Hetch Hetchy | ..... | 1.0 | ..... | 23.0 | 4.0 | 10.5 | 4.0 | 2.5 | ..... | 45.0 |
| Hot Springs | ..... | ..... | ..... | ..... | 5.0 | ..... | 5.0 | ..... | ..... | 10.0 |
| Hullville | ..... | ..... | 0.5 | 33.8 | 3.5 | 7.0 | 13.8 | 0.5 | ..... | 59.1 |
| Huntington Lake | ..... | 33.0 | 16.0 | 73.8 | 16.2 | 64.0 | 32.0 | 18.0 | 7.5 | 260.5 |
| Inskip | ..... | 13.5 | 14.5 | 63.5 | 34.8 | 75.0 | 24.2 | 7.2 | 13.5 | 246.2 |
| Julian | ..... | ..... | ..... | 16.0 | 20.0 | 14.0 | 3.0 | 6.0 | ..... | 59.0 |
| Lake Eleanor | ..... | 8.0 | 12.0 | 53.8 | 21.0 | 50.4 | 34.5 | 16.7 | 2.0 | 198.4 |
| Lake Spaulding | ..... | 12.0 | 21.0 | 78.0 | 32.0 | 78.0 | 43.0 | 11.0 | ..... | 275.0 |
| La Porte | ..... | 12.8 | 13.5 | 62.5 | 29.0 | 48.0 | 26.0 | 10.0 | 2.8 | 204.6 |
| Lone Pine | ..... | ..... | ..... | 2.0 | 10.0 | 2.0 | 1.0 | ..... | ..... | 15.0 |
| McCloud | ..... | ..... | 7.0 | 39.0 | 19.0 | 22.0 | 19.0 | ..... | T. | 106.0 |
| Madeline | ..... | 5.0 | 5.0 | 17.0 | 14.0 | 20.0 | 24.0 | 2.0 | T. | 87.0 |
| Magalia | ..... | T. | ..... | 12.0 | 6.0 | 5.0 | 12.0 | ..... | ..... | 35.0 |
| Mill Creek No. 1 | ..... | ..... | 1.5 | 13.5 | ..... | 10.0 | 13.0 | 1.0 | ..... | 39.0 |
| Nellie | ..... | 0.5 | ..... | 11.0 | 24.0 | 19.0 | 5.5 | 6.0 | 0.2 | 66.2 |
| Nevada City | ..... | ..... | 0.5 | 20.5 | 0.5 | 13.5 | 18.0 | 0.5 | ..... | 53.5 |
| North Bloomfield | ..... | ..... | T. | T. | 4.0 | 13.0 | 19.0 | ..... | ..... | 36.0 |
| North Fork | ..... | ..... | ..... | 16.3 | ..... | 14.0 | 5.5 | T. | ..... | 35.8 |
| Portola | ..... | ..... | 3.0 | 27.0 | 10.0 | 19.0 | 28.0 | ..... | ..... | 87.0 |
| Quincy | ..... | 2.0 | 5.0 | 29.0 | 5.5 | 28.0 | 20.0 | 1.5 | ..... | 91.0 |
| Ruth | ..... | ..... | 2.0 | 54.0 | 11.0 | 35.0 | 22.0 | ..... | ..... | 124.0 |
| Seven Oaks | ..... | ..... | ..... | 23.0 | 19.0 | 19.0 | 12.0 | 5.0 | ..... | 78.0 |
| Sierra City | (*) | (*) | 10.0 | 46.0 | 19.0 | 43.0 | 36.0 | 7.0 | (*) | ..... |
| Sierraville | ..... | ..... | 6.0 | 18.0 | 4.0 | 23.0 | 27.0 | 5.0 | ..... | 83.0 |
| Sisson | ..... | ..... | 2.0 | 30.0 | 22.0 | 37.0 | 13.0 | 3.0 | ..... | 107.0 |
| Springville | ..... | 1.0 | 2.0 | 38.5 | 4.7 | 24.0 | 15.0 | 3.5 | ..... | 88.7 |
| Squirrel Inn | ..... | T. | ..... | 23.0 | 15.0 | 16.0 | 9.0 | 5.0 | 1.0 | 69.0 |
| Stevenson Creek | ..... | ..... | 4.0 | 40.0 | 6.5 | 27.0 | 9.0 | 17.0 | ..... | 103.5 |
| Stirling City | ..... | 3.5 | 5.5 | 38.0 | 22.0 | 18.0 | 22.0 | ..... | ..... | 109.0 |
| Summit | ..... | 30.0 | 36.0 | 100.0 | 29.0 | 108.0 | 30.0 | 24.0 | 8.0 | 365.0 |
| Table Rock | (*) | (*) | 26.0 | 104.0 | 30.0 | 96.0 | 48.0 | 29.0 | (*) | ..... |
| Tahoe | ..... | 5.5 | 12.0 | 63.0 | 23.0 | 98.0 | 41.0 | 9.0 | 1.0 | 252.5 |
| Tamarack | ..... | 48.0 | 31.0 | 99.0 | 26.0 | 118.0 | 57.0 | 24.0 | 6.0 | 409.0 |
| Towle | ..... | ..... | 6.0 | 44.0 | 8.0 | 42.0 | 29.0 | T. | ..... | 129.0 |
| Truckee | ..... | T. | 11.0 | 59.0 | 14.0 | 55.0 | 34.0 | 4.0 | 3.0 | 180.0 |
| Weaverville | ..... | ..... | ..... | 27.0 | 7.0 | 4.0 | 13.0 | ..... | ..... | 51.0 |
| Weitchpec | ..... | ..... | ..... | 44.5 | 9.5 | 29.5 | 24.5 | (*) | (*) | ..... |
| Wells Meadow | ..... | ..... | ..... | 33.0 | 5.5 | 15.0 | 5.0 | 2.2 | ..... | 60.7 |
| West Branch | ..... | 3.0 | 5.0 | 30.0 | 16.0 | 29.0 | 20.0 | 5.0 | 1.0 | 109.0 |
| Yosemite | ..... | 2.0 | 4.0 | 46.0 | 10.0 | 55.5 | 24.0 | ..... | ..... | 141.5 |
| Yreka | ..... | ..... | ..... | 19.6 | 8.5 | 12.0 | 5.0 | T. | ..... | 45.1 |
| *Colorado.* | | | | | | | | | | |
| Akron | ..... | 6.0 | 7.5 | 5.9 | 2.8 | 5.2 | 9.0 | 4.5 | 3.5 | 44.4 |
| Ames | ..... | 9.0 | 3.0 | 42.5 | 18.9 | 16.5 | 16.0 | 32.0 | 5.0 | 142.9 |
| Arriba (near) | ..... | 4.5 | 4.5 | 4.0 | 2.0 | 7.0 | 5.0 | (*) | 18.0 | ..... |
| Ashcroft | 4.0 | 16.5 | 14.0 | 30.0 | 13.5 | 26.0 | 15.5 | (*) | (*) | ..... |
| Aspen | 3.0 | (*) | 19.7 | (*) | 12.3 | 18.1 | 26.2 | (*) | 14.0 | ..... |
| Auldhurst | 1.0 | 19.2 | 9.4 | 10.6 | 4.5 | 8.2 | 16.2 | 23.4 | 22.1 | 114.6 |
| Bennett | ..... | T. | 3.5 | 6.6 | (*) | (*) | (*) | (*) | T. | ..... |
| Blanca | ..... | ..... | T. | 2.0 | 3.0 | (*) | (*) | (*) | (*) | ..... |
| Bonanza | (*) | (*) | 11.2 | 15.7 | 4.0 | 2.3 | 2.2 | 0.7 | 4.9 | ..... |
| Boulder | ..... | 10.1 | 17.4 | 13.6 | 5.9 | 6.3 | 22.2 | 13.0 | 14.8 | 103.3 |
| Buena Vista (near) | ..... | (*) | 13.5 | 4.0 | 10.0 | 17.0 | 1.5 | 1.2 | (*) | ..... |
| Burlington | ..... | 3.0 | 3.0 | 5.0 | 3.0 | 9.0 | 5.0 | 4.0 | 10.0 | 42.0 |
| Calhan | ..... | 4.2 | 5.0 | 3.5 | 4.2 | 8.0 | 9.0 | 6.5 | 8.8 | 49.2 |
| Cañon City | ..... | 9.0 | 6.5 | 10.5 | 3.9 | 6.7 | 10.0 | 14.5 | 3.0 | 64.1 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Colorado*—Continued. | | | | | | | | | | |
| Cascade | ..... | 10.0 | 1.5 | 41.0 | 28.0 | 28.0 | 21.0 | 63.0 | 19.0 | 211.5 |
| Cassells | 2.0 | 7.5 | 10.8 | 19.6 | (*) | (*) | (*) | (*) | (*) | ..... |
| Castle Rock | ..... | 6.5 | 10.0 | 17.0 | 1.0 | 7.5 | 21.0 | 8.0 | ..... | 71.0 |
| Cedaredge | ..... | T. | 3.0 | 5.0 | 5.0 | 4.5 | 2.0 | 3.0 | ..... | 22.5 |
| Cheesman | T. | 5.7 | 6.1 | 6.2 | 1.8 | 4.7 | 15.8 | 10.5 | T. | 50.8 |
| Cheyenne Wells | ..... | 2.0 | 8.0 | 8.0 | 3.0 | 5.0 | 8.5 | 5.0 | 10.0 | 49.5 |
| Cochetopa | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Collbran | ..... | 2.0 | 16.5 | 21.2 | 14.8 | 3.5 | 24.0 | 18.0 | T. | 100.0 |
| Colorado Springs | ..... | 1.0 | 6.1 | 2.2 | 3.2 | 11.2 | 12.5 | 4.8 | 6.8 | 47.8 |
| Columbine | (*) | (*) | 23.0 | 54.6 | 29.8 | 62.4 | 37.0 | 18.1 | 21.5 | ..... |
| Columbine Ranch | T. | 1.0 | 7.5 | 23.0 | 22.0 | 33.0 | 26.0 | 31.0 | T. | 143.5 |
| Crawford (near) | ..... | 4.8 | 6.8 | 9.0 | 13.5 | 2.2 | 3.0 | 9.8 | 3.0 | 52.1 |
| Crested Butte | ..... | (*) | 10.0 | 40.5 | 19.0 | 28.0 | 19.0 | 24.0 | 36.0 | ..... |
| Cripple Creek | 2.0 | 14.5 | 12.0 | 17.8 | 6.0 | 9.0 | 10.9 | 22.3 | 34.5 | 129.0 |
| Cuchara Camps | 1.0 | 11.2 | 24.0 | 28.8 | 13.5 | 27.5 | 13.0 | 55.0 | 32.0 | 206.0 |
| Cumbres | ..... | 9.0 | 9.5 | 61.5 | 63.5 | 59.5 | 45.0 | 45.5 | 35.0 | 328.5 |
| Delta | ..... | ..... | T. | 3.5 | 9.2 | 5.0 | 1.0 | (*) | ..... | ..... |
| Denver | ..... | 6.7 | 10.2 | 16.3 | 4.9 | 6.0 | 16.1 | 7.2 | 12.0 | 79.4 |
| Dillon | 6.5 | 25.0 | 20.0 | 22.0 | 14.0 | 10.5 | 10.8 | 20.0 | 37.5 | 166.3 |
| Dolores | ..... | ..... | 4.0 | 24.0 | 20.0 | 17.0 | 9.0 | 11.0 | ..... | 85.0 |
| Dove Creek | ..... | 0.2 | 4.2 | 26.8 | 21.5 | 16.5 | 7.0 | 19.0 | 1.0 | 96.2 |
| Durango | ..... | ..... | ..... | 41.0 | 24.0 | 27.0 | 11.0 | T. | 4.0 | 107.0 |
| Eads | ..... | 1.0 | 3.2 | 0.2 | 5.0 | 3.0 | (*) | 2.0 | 7.0 | ..... |
| Edgewater | ..... | 8.5 | 9.5 | 14.5 | 7.0 | 6.5 | 18.0 | 9.5 | 9.0 | 82.5 |
| Ellicott | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 6.0 | (*) | ..... |
| Estes Park Fish Hatchery | ..... | 25.0 | 23.0 | 14.0 | 10.0 | 25.0 | 3.0 | 25.0 | 33.0 | 158.0 |
| Fairplay | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 43.2 | ..... |
| Fairview | ..... | 13.0 | 46.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Fort Collins | ..... | 8.8 | 17.2 | 9.2 | 5.5 | 18.3 | 12.0 | 6.0 | 6.5 | 83.5 |
| Fort Lewis | ..... | ..... | 1.0 | 15.5 | 15.0 | 9.5 | T. | 6.5 | 6.0 | 53.5 |
| Fort Lupton | ..... | 5.0 | 8.0 | 10.0 | 4.0 | 4.0 | 16.5 | 1.0 | 3.0 | 51.5 |
| Fort Morgan | ..... | 5.5 | 5.0 | 10.0 | 6.0 | 3.8 | 4.5 | 0.9 | 8.0 | 43.7 |
| Frances | 9.8 | 27.3 | 30.3 | 47.9 | 12.1 | 26.8 | 34.0 | 41.0 | 41.6 | 270.8 |
| Fraser | 3.0 | 31.0 | 17.0 | 38.5 | 19.0 | 18.0 | 17.5 | 25.5 | 22.5 | 192.0 |
| Fremont Experiment Station | 3.0 | 5.8 | 12.0 | 5.1 | 4.3 | 17.4 | 32.4 | 19.6 | 43.1 | 142.7 |
| Fruita (near) | ..... | ..... | 1.3 | 6.2 | 14.5 | 2.8 | 3.5 | 1.2 | ..... | 29.5 |
| Frys Ranch | 5.0 | 18.0 | 27.0 | 16.0 | 7.0 | 21.0 | 22.0 | 19.0 | 19.0 | 154.0 |
| Garfield | 3.0 | 6.3 | 20.0 | 31.8 | 12.8 | 32.0 | 14.2 | 26.2 | 35.5 | 181.8 |
| Garnett | ..... | ..... | T. | 0.5 | 5.0 | 1.5 | 0.5 | 2.5 | 11.5 | 21.5 |
| Georgetown | T. | 26.0 | 7.5 | 12.0 | 3.0 | 7.5 | 8.5 | 18.0 | 4.0 | 86.5 |
| Glade Park | ..... | 2.0 | 9.0 | 11.0 | 25.0 | 9.0 | 32.0 | 12.0 | 6.0 | 106.0 |
| Gladstone | ..... | 54.9 | 6.0 | 57.8 | 34.8 | 23.6 | 30.0 | 81.8 | 14.5 | 303.4 |
| Glen | ..... | 2.5 | T. | T. | T. | ..... | ..... | T. | (*) | ..... |
| Glenwood Springs (near) | ..... | ..... | 7.0 | 31.5 | 18.0 | 3.0 | (*) | 8.0 | ..... | ..... |
| Grand Junction | ..... | ..... | 4.8 | 5.8 | 14.0 | 1.7 | 4.8 | 1.8 | T. | 32.9 |
| Grandlake | 3.0 | 13.0 | 7.0 | 25.5 | 21.0 | 8.0 | 11.0 | 5.5 | 34.0 | 128.0 |
| Greeley | ..... | 2.1 | (*) | (*) | 2.0 | 4.2 | 8.5 | (*) | (*) | ..... |
| Grover (near) | ..... | 5.0 | 7.0 | 20.0 | 1.5 | 6.1 | 12.8 | 5.5 | 7.0 | 64.9 |
| Gunnison | ..... | 2.0 | 4.2 | 13.0 | 9.3 | 6.5 | 2.8 | 5.0 | T. | 42.8 |
| Hamps | ..... | 4.5 | 3.5 | 5.5 | 3.0 | 10.0 | 10.8 | 5.5 | 9.5 | 52.3 |
| Hartsel | 0.2 | 6.0 | 10.5 | 1.8 | 2.9 | 5.5 | 2.4 | 14.8 | 8.0 | 52.1 |
| Hawthorne | ..... | 10.0 | 22.5 | 29.0 | 5.5 | 10.0 | 29.5 | 11.0 | 13.0 | 130.5 |
| Hayden | ..... | 2.0 | 24.0 | 41.0 | 27.0 | 8.0 | 29.0 | 8.0 | 4.0 | 143.0 |
| Hermit | ..... | 13.5 | T. | 16.0 | 20.0 | 2.5 | 6.0 | 57.5 | 11.5 | 127.0 |
| Hoehne (near) | ..... | (*) | (*) | 6.5 | 1.0 | 2.0 | 1.5 | 7.0 | 10.0 | ..... |
| Holly | ..... | T. | (*) | 1.8 | 3.0 | 1.5 | T. | 1.0 | T. | ..... |
| Holyoke (near) | ..... | 4.5 | 2.0 | 1.0 | 8.0 | 3.0 | 12.0 | 4.0 | (*) | ..... |
| Huerfano | (*) | (*) | (*) | (*) | (*) | (*) | 17.9 | 17.8 | 8.6 | ..... |
| Idaho Springs | 0.8 | 14.5 | 12.2 | 16.0 | 3.2 | 5.5 | 13.3 | 11.5 | 12.0 | 89.0 |
| Ignacio | ..... | T. | 1.0 | 22.0 | 17.0 | 11.0 | 4.0 | 2.0 | 2.0 | 59.0 |
| Ironton | ..... | (*) | 7.0 | 34.0 | 11.0 | 8.0 | 15.5 | 66.0 | 9.0 | ..... |
| Julesburg | ..... | (*) | 4.5 | 6.2 | 5.0 | 2.5 | 16.0 | (*) | ..... | ..... |
| La Junta | ..... | 1.5 | 2.1 | 4.2 | 4.0 | 1.9 | 2.4 | 7.2 | 4.0 | 27.3 |
| Lake Moraine | 4.0 | 9.0 | 17.0 | 16.5 | 3.0 | 19.5 | 25.0 | 35.5 | 42.5 | 172.0 |
| Lamar | ..... | ..... | 4.0 | 3.0 | 8.0 | 5.0 | 3.0 | ..... | ..... | 23.0 |
| La Porte | ..... | 4.0 | 11.0 | 5.8 | 4.4 | 16.9 | 21.5 | 8.5 | 8.0 | 80.1 |
| Las Animas | ..... | 0.5 | 2.0 | 4.0 | 2.0 | 2.0 | 0.5 | T. | 2.0 | 13.0 |
| La Veta Pass | T. | 22.5 | 16.5 | 39.0 | 14.0 | 25.0 | 14.0 | 24.0 | 30.0 | 185.0 |
| Lay | ..... | 8.0 | 11.5 | 19.0 | 32.5 | 18.5 | 27.5 | 12.0 | 5.0 | 134.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Colorado*—Continued. | | | | | | | | | | |
| Leadville | 5.5 | 19.9 | 9.9 | 24.8 | 12.3 | 14.5 | 7.6 | 16.6 | 25.5 | 136.6 |
| Le Roy (near) | ..... | 4.0 | 7.0 | 8.9 | 6.4 | 3.7 | 15.0 | 7.5 | 2.5 | 55.0 |
| Limon (near) | ..... | 5.0 | 5.0 | 4.5 | 4.0 | 6.5 | 5.0 | 7.0 | 7.0 | 44.0 |
| Lonesome | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 35.0 | 5.0 | ..... |
| Longmont | ..... | 4.0 | 8.2 | 10.0 | 3.2 | 8.5 | 18.8 | 0.5 | 7.0 | 60.2 |
| Longs Peak (near) | (*) | 29.0 | 15.0 | 10.0 | 10.0 | 37.0 | 36.0 | 25.0 | 33.0 | ..... |
| Madrid | ..... | 1.2 | 7.0 | 7.2 | 4.0 | 6.0 | 3.0 | 30.5 | 10.0 | 68.9 |
| Manassa | ..... | ..... | 2.0 | 5.0 | 6.0 | 11.0 | ..... | T. | ..... | 24.0 |
| Mancos | ..... | ..... | ..... | 21.0 | (*) | 7.0 | (*) | 3.0 | ..... | ..... |
| Marble | ..... | 8.0 | 13.0 | 47.0 | 28.0 | 26.0 | 36.0 | (*) | (*) | ..... |
| Marshall Pass | 3.0 | 12.5 | 14.0 | 33.0 | 3.0 | 7.0 | 11.0 | (*) | (*) | ..... |
| Meeker (near) | ..... | 2.0 | 6.0 | 21.0 | 20.8 | 7.0 | 8.5 | 17.3 | ..... | 82.6 |
| Montrose | ..... | 4.0 | 11.8 | 10.6 | 6.3 | 0.5 | 10.2 | 1.5 | 6.8 | 51.7 |
| Monument | 0.5 | 4.8 | 13.0 | 12.5 | 4.4 | 11.7 | 22.5 | 15.5 | 12.0 | 96.9 |
| Nast | 3.0 | 26.0 | 12.8 | 28.2 | 10.5 | 12.5 | 16.2 | 23.4 | 31.1 | 163.7 |
| North Lake | 0.1 | 10.8 | 11.8 | 13.0 | 10.8 | 19.6 | 15.9 | 17.5 | 25.0 | 124.5 |
| Ordway | ..... | (*) | 2.2 | T. | 3.5 | T. | 1.0 | (*) | (*) | ..... |
| Pagosa Springs | ..... | ..... | 4.8 | (*) | 30.5 | (*) | 11.5 | (*) | (*) | ..... |
| Palisades | ..... | ..... | 1.0 | 8.0 | 11.0 | 2.2 | 12.5 | (*) | ..... | ..... |
| Paonia | ..... | 1.0 | 12.0 | 14.5 | 15.0 | 6.1 | 12.2 | 6.0 | T. | 66.8 |
| Pearl | 0.9 | 6.1 | 18.2 | 28.8 | (*) | (*) | (*) | (*) | (*) | ..... |
| Peetz | ..... | 3.8 | (*) | 2.0 | 4.8 | 0.5 | 7.7 | (*) | T. | ..... |
| Pitkin | T. | 5.5 | 14.5 | 32.1 | 7.2 | 20.0 | 8.1 | 12.8 | 12.5 | 112.7 |
| Platoro | ..... | 14.8 | 8.5 | 39.2 | 42.5 | 35.0 | 40.8 | 73.8 | 23.5 | 278.1 |
| Platte Canon | ..... | 11.5 | 12.0 | 23.5 | 11.5 | 8.0 | 23.5 | 16.5 | 7.5 | 114.0 |
| Pueblo | ..... | 4.9 | 3.4 | 5.3 | 5.0 | 5.4 | 5.8 | 7.6 | 10.2 | 47.6 |
| Redcliff | 7.0 | 22.3 | 18.0 | 27.0 | (*) | (*) | (*) | (*) | (*) | ..... |
| Redvale | ..... | ..... | 3.0 | (*) | 6.2 | 0.5 | (*) | (*) | (*) | ..... |
| Rico | ..... | 11.5 | 1.0 | 24.5 | 16.0 | 11.5 | 12.8 | 23.0 | 4.5 | 104.8 |
| Rifle | ..... | ..... | 6.5 | 13.5 | 13.2 | 2.8 | 7.3 | 1.8 | ..... | 45.1 |
| River Portal | ..... | 2.0 | 3.5 | 14.4 | (*) | (*) | (*) | 1.5 | (*) | ..... |
| Rocky Ford (near) | ..... | T. | 1.0 | 3.0 | 3.2 | 1.0 | 3.0 | 3.0 | 3.0 | 17.2 |
| Saguache | ..... | ..... | T. | 0.5 | 4.0 | 2.2 | T. | 1.0 | T. | 7.7 |
| St. Elmo | 5.0 | 8.0 | 12.5 | 21.5 | 13.5 | 30.5 | 14.5 | 19.0 | 15.0 | 139.5 |
| Salida | ..... | ..... | 12.0 | 14.0 | 9.5 | 3.5 | 1.0 | 15.0 | 7.0 | 62.0 |
| San Luis | ..... | ..... | 3.1 | 4.9 | 4.9 | 6.4 | 7.0 | 3.6 | 17.3 | 47.2 |
| Sapinero (near) | ..... | 5.0 | 9.2 | 33.7 | 25.6 | 9.1 | 20.1 | 25.9 | 8.7 | 137.3 |
| Savage Basin | 2.8 | 44.5 | 24.5 | 122.0 | 78.0 | 33.0 | 59.5 | 144.0 | 59.0 | 567.3 |
| Sedgwick | (*) | 6.5 | (*) | 3.0 | (*) | (*) | (*) | (*) | (*) | ..... |
| Soshone | ..... | (*) | (*) | (*) | (*) | (*) | (*) | 10.0 | ..... | ..... |
| Silver Lake | 16.5 | 26.5 | 19.5 | 59.0 | 31.0 | 51.0 | 37.0 | 48.0 | (*) | ..... |
| Silverton (near) | ..... | 10.0 | 3.0 | 36.0 | 19.0 | 7.0 | 14.0 | 48.5 | 5.5 | 143.0 |
| Simpson | ..... | 7.0 | 4.0 | 10.0 | (*) | 1.5 | 2.0 | 1.0 | 8.0 | ..... |
| Spicer (near) | 5.0 | 7.0 | 13.0 | 19.0 | 0.2 | 5.0 | 18.0 | 16.0 | 26.0 | 109.2 |
| Springfield | ..... | ..... | (*) | (*) | 4.0 | 5.0 | 2.0 | (*) | ..... | ..... |
| Spruce Lodge | 5.5 | 33.0 | 23.5 | 59.0 | 43.5 | 24.0 | 38.0 | 47.0 | 46.5 | 320.0 |
| Steamboat Springs | ..... | ..... | 27.0 | 65.0 | 31.5 | 21.5 | 38.0 | 27.0 | 8.0 | 218.0 |
| Sterling | ..... | 2.0 | (*) | 3.2 | 3.0 | (*) | 6.0 | 1.5 | T. | ..... |
| Stonewall | ..... | 4.5 | 5.2 | 5.2 | 4.5 | 12.0 | T. | 19.1 | 12.0 | 62.5 |
| Tacoma | ..... | ..... | 1.0 | 25.0 | 29.2 | 17.0 | 15.0 | 22.5 | 9.0 | 118.7 |
| Telluride | ..... | 13.5 | 12.0 | 44.0 | 18.2 | 10.5 | 15.5 | 64.5 | 7.0 | 185.2 |
| Terminal Dam | ..... | 4.0 | 2.0 | 27.5 | 32.5 | 29.0 | 22.0 | 38.0 | 12.0 | 167.0 |
| Trinidad | ..... | ..... | 7.1 | 9.1 | 4.1 | 8.5 | 6.2 | 25.8 | 14.0 | 74.8 |
| Trout Lake | ..... | 19.0 | 6.5 | 36.5 | 7.8 | 13.4 | 14.0 | 44.0 | 31.5 | 172.7 |
| Two Buttes | ..... | ..... | 3.0 | 4.0 | 3.0 | 0.1 | 4.0 | 3.5 | ..... | 17.6 |
| Two Buttes Reservoir | T. | T. | (*) | 1.0 | 4.0 | 1.5 | 2.0 | 2.0 | ..... | ..... |
| Vallecito | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 14.0 | ..... |
| Victor (near) | 3.0 | 5.0 | 9.2 | 7.5 | 5.0 | 11.0 | 16.0 | 17.0 | 25.5 | 99.2 |
| Wagon Wheel Gap Exp. Sta. | T. | 9.4 | 2.6 | 11.9 | 20.3 | 5.3 | 12.2 | 43.2 | 12.8 | 117.7 |
| Wagon Wheel Gap River Valley | ..... | 2.0 | 0.5 | 3.8 | 16.0 | 2.4 | 2.9 | 22.7 | 4.5 | 54.8 |
| Waterdale | ..... | 10.0 | 11.0 | 10.5 | 8.0 | 17.0 | 36.0 | 20.0 | 14.0 | 126.5 |
| Westcliffe | 1.0 | 15.5 | 18.2 | 3.6 | 15.2 | 7.0 | 7.8 | 13.0 | ..... | 81.3 |
| Wiggins | ..... | ..... | 1.0 | 3.4 | 4.0 | (*) | (*) | T. | 6.0 | ..... |
| Willard | ..... | 4.5 | 7.0 | 5.5 | 5.5 | 3.0 | 7.0 | 1.5 | 5.0 | 39.0 |
| Wortman | 14.0 | (*) | 7.4 | 22.5 | 10.2 | 11.2 | 18.3 | 32.2 | 65.9 | ..... |
| Wray | ..... | 6.0 | (*) | (*) | (*) | (*) | (*) | 4.0 | (*) | ..... |
| Yampa (near) | 3.0 | 13.0 | 17.0 | 20.8 | 14.5 | 16.8 | 29.0 | 20.0 | 14.5 | 148.6 |
| Yoder | ..... | 2.0 | 4.0 | 1.0 | 1.5 | (*) | (*) | (*) | (*) | ..... |
| Yuma | ..... | 7.0 | 7.2 | 4.0 | 5.2 | 4.8 | (*) | 4.0 | (*) | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Connecticut.* | | | | | | | | | | |
| Bridgeport | | | 0.1 | 4.7 | 3.4 | 8.2 | 13.1 | 3.3 | | 32.8 |
| Canton | | | 0.6 | 11.0 | 8.0 | 16.0 | 11.0 | 2.0 | | 48.6 |
| Colchester | | | T. | 5.0 | 6.0 | 10.5 | 14.0 | 6.0 | (*) | |
| Cream Hill | | | 1.5 | 18.0 | 10.5 | 23.0 | 17.8 | 4.5 | 0.2 | 75.5 |
| Danielson | | | 1.0 | 8.0 | 9.0 | 13.0 | 16.0 | 8.0 | (*) | |
| Hartford | | | 0.6 | 6.8 | 7.9 | 12.4 | 7.2 | 0.4 | T. | 35.3 |
| New Haven | | | T. | 8.4 | 4.3 | 8.6 | 9.3 | 4.2 | T. | 34.8 |
| New London | | | T. | 6.5 | 15.5 | 5.5 | 15.0 | 8.0 | | 46.5 |
| North Grosvenor Dale | | | (*) | (*) | (*) | (*) | (*) | (*) | T. | |
| Norwalk | | | T. | 9.0 | 4.5 | 8.9 | 10.5 | 4.5 | (*) | |
| Southington | | | 1.0 | 9.0 | 6.0 | 0.5 | 11.5 | 1.0 | T. | 37.5 |
| Torrington | (*) | | 1.5 | 3.0 | 9.5 | 14.0 | 11.8 | 1.0 | (*) | |
| Voluntown | | | 1.0 | 5.0 | 3.5 | 6.0 | 4.0 | (*) | (*) | |
| Waterbury | | | 0.6 | 8.2 | 4.1 | 12.0 | 9.5 | 1.0 | (*) | |
| *Delaware.* | | | | | | | | | | |
| Delaware City | | | T. | 7.0 | 1.1 | (*) | (*) | (*) | | |
| Milford | | | T. | 10.0 | 0.5 | 1.0 | T. | 3.0 | | 14.5 |
| Millsboro | | | | 10.0 | 0.5 | 0.5 | 1.0 | 1.0 | | 13.0 |
| Newark | | | T. | (*) | (*) | (*) | (*) | (*) | | |
| Seaford | | | | 7.5 | 1.0 | 2.0 | 2.0 | 1.0 | | 13.5 |
| Wilmington | | | T. | 14.0 | 4.5 | 7.4 | 0.7 | 5.5 | | 32.1 |
| *District of Columbia.* | | | | | | | | | | |
| Washington | | | T. | 8.5 | 4.3 | 2.5 | 1.5 | 1.5 | | 18.3 |
| *Florida.* [1] | | | | | | | | | | |
| *Georgia.* | | | | | | | | | | |
| Adairsville | | | | | (*) | T. | | | | |
| Albany | | | | | | | | | | 0.0 |
| Atlanta | | | | T. | T. | T. | T. | | | T. |
| Augusta | | | | | | T. | | | | T. |
| Bainbridge | | | | | | | | | | 0. |
| Blakely | | | | | | | | | | 0.0 |
| Blue Ridge | | | | (*) | (*) | 6.5 | | | | |
| Canton | | | | | T. | T. | | | | T. |
| Clayton | | | | 3.0 | T. | 1.0 | T. | | | 4.0 |
| Dahlonega | | | | | 0.5 | 0.2 | T. | | | 0.7 |
| Eastman | | | | | T. | | | | | T. |
| Gainesville | | | | | | | | | | 0.0 |
| Gillsville | | | | T. | | T. | | | | T. |
| Glennville | | | | | | T. | | | | T. |
| Hartwell | | | | T. | | | | | | T. |
| Lisbon | | | | | | | | | | 0.0 |
| Lost Mountain | | | | | T. | 0.5 | | | | 0.5 |
| Macon | | | | | T. | 0.2 | | | | 0.2 |
| Newnan | | | | | | T. | | | | T. |
| Point Peter | | | | | | | | | | 0.0 |
| Ramhurst | | | | T. | T. | T. | | | | T. |
| Resaca | | | | | | | | | | 0.0 |
| Rome | | | | T. | T. | T. | | | | T. |
| Savannah | | | | | | T. | | | | T. |
| Statesboro | | | | | | | | | | 0.0 |
| Thomasville | | | | | | | | | | 0.0 |
| Toccoa | | | | | | | | | | 0.0 |
| Washington | | | | | | | | | | 0.0 |
| Waycross | | | | | | T. | | | | T. |
| Waynesboro | | | | | | T. | | | | T. |
| *Idaho.* | | | | | | | | | | |
| American Falls | | T. | 3.5 | 8.0 | 14.5 | (*) | 14.2 | T. | T. | |
| Arco | (*) | (*) | (*) | (*) | (*) | 21.0 | 10.7 | 4.5 | (*) | |
| Ashton | T. | 4.0 | 9.0 | 37.3 | 23.5 | 11.5 | (*) | 11.0 | T. | |
| Atlanta | | 0.5 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Avery | | T. | 11.6 | 34.7 | 44.4 | 31.5 | 33.1 | 2.3 | (*) | |

[1] No snowfall.

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Idaho*—Continued. | | | | | | | | | | |
| Bear Valley | T. | 5.5 | 37.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Big Springs | 0.5 | 13.7 | 25.5 | (*) | 65.7 | 46.8 | (*) | 43.3 | 8.4 | ..... |
| Blackfoot | ..... | ..... | 2.3 | 14.1 | 11.3 | 10.8 | 13.2 | 3.8 | ..... | 55.5 |
| Blackfoot Dam | 0.5 | 1.5 | 12.0 | 27.0 | (*) | 18.0 | 23.0 | 4.0 | ..... | ..... |
| Bogus Creek | ..... | T. | 4.9 | 26.0 | 24.5 | 17.5 | 42.0 | 32.0 | 1.5 | 148.4 |
| Boise | ..... | ..... | 0.2 | 10.8 | 8.6 | 8.5 | 18.9 | 3.0 | ..... | 50.0 |
| Boise King | ..... | (*) | 23.0 | 22.0 | 27.0 | 33.0 | 40.0 | 14.0 | ..... | ..... |
| Bonanza | (*) | 1.5 | 12.5 | 35.5 | 38.5 | 46.5 | 30.0 | 18.0 | 3.0 | ..... |
| Bostetter | ..... | 8.5 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Boulder Mine | ..... | ..... | 26.8 | 48.9 | 39.4 | 33.2 | 66.1 | 21.9 | 1.0 | 237.3 |
| Brownlee | ..... | 1.5 | 12.0 | (*) | 26.5 | (*) | 21.2 | 16.7 | T. | ..... |
| Buhll | ..... | ..... | 1.0 | 4.5 | (*) | 12.0 | 6.7 | 4.0 | ..... | ..... |
| Burke | ..... | 3.0 | 39.0 | 72.6 | 78.7 | 60.0 | 66.8 | 6.0 | T. | 326.1 |
| Caldwell | ..... | ..... | 1.0 | 6.0 | 6.2 | 7.5 | 10.5 | 2.3 | ..... | 33.5 |
| Cambridge | ..... | ..... | 12.5 | 28.0 | 22.2 | 9.0 | 20.0 | 3.0 | ..... | 94.7 |
| Challis | ..... | 1.0 | 0.2 | 4.3 | 2.8 | 8.5 | 6.0 | 2.0 | T. | 24.8 |
| Chattins Ranch | ..... | ..... | ..... | 7.5 | 4.1 | 5.0 | 5.0 | ..... | ..... | 21.6 |
| Chesterfield | T. | T. | (*) | 11.6 | 8.1 | (*) | 7.0 | 2.0 | T. | ..... |
| Coeur d'Alene | ..... | ..... | 7.2 | 15.5 | 15.0 | 16.8 | 19.7 | 1.3 | ..... | 75.5 |
| Cottonwood Creek | ..... | T. | 14.8 | 33.4 | 25.2 | 27.6 | 38.1 | 5.2 | 0.5 | 144.8 |
| Council | ..... | ..... | 10.0 | 24.0 | 31.5 | 17.5 | 21.0 | 4.0 | ..... | 108.0 |
| Culdesac | ..... | ..... | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Cuprum | ..... | 0.7 | (*) | 35.0 | 30.0 | 19.0 | 22.0 | 20.0 | 1.0 | ..... |
| Driggs | 2.5 | 2.0 | 12.0 | 22.0 | 19.5 | 20.0 | 20.5 | 13.3 | 2.7 | 114.5 |
| Elk Creek | (*) | 8.2 | 40.6 | 55.9 | 65.7 | (*) | 94.7 | 24.9 | 7.5 | ..... |
| Emmett | ..... | ..... | 1.0 | 7.0 | 7.0 | 11.5 | 9.0 | 1.0 | ..... | 36.5 |
| Fort Hall | ..... | T. | 2.0 | 12.2 | 4.9 | 7.7 | 12.5 | 2.4 | 1.0 | 42.7 |
| Flowers | ..... | 2.0 | 15.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| French Gulch | T. | 5.5 | 25.1 | 56.4 | 54.7 | 34.1 | 43.7 | (*) | 6.8 | ..... |
| Garden Valley | ..... | ..... | 9.0 | 28.0 | 21.0 | 18.5 | 35.7 | 7.0 | ..... | 119.2 |
| Geneva | ..... | 1.0 | 8.0 | 19.0 | 10.5 | 27.0 | 14.5 | 9.0 | 6.0 | 95.0 |
| Glenns Ferry | ..... | ..... | 1.5 | 8.5 | 3.5 | 17.0 | (*) | (*) | ..... | ..... |
| Gooding | ..... | ..... | 2.0 | 7.4 | 9.5 | 8.4 | (*) | (*) | (*) | ..... |
| Grace | ..... | ..... | (*) | (*) | 9.8 | 22.0 | 7.8 | 7.5 | (*) | ..... |
| Grandview Ranger Station | 6.0 | 8.0 | 13.7 | 28.5 | (*) | (*) | (*) | (*) | (*) | ..... |
| Grays Lake | 2.0 | (*) | 9.5 | 39.0 | 9.5 | (*) | (*) | (*) | 3.0 | ..... |
| Grimes Pass | ..... | 0.5 | 26.3 | 39.1 | 32.1 | 25.0 | 44.7 | 16.0 | 2.0 | 185.7 |
| Guffey | ..... | ..... | T. | 7.1 | 5.3 | 5.0 | 2.7 | T. | ..... | 20.1 |
| Hailey | T. | 2.3 | 13.1 | 42.7 | 9.9 | 45.6 | 22.2 | 16.7 | T. | 152.5 |
| Hawley Gulch | T. | 4.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Hill City | ..... | T. | 22.0 | 37.5 | 13.0 | 32.0 | (*) | (*) | (*) | ..... |
| Hollister | ..... | ..... | 2.0 | (*) | 14.0 | 11.5 | 5.6 | (*) | ..... | ..... |
| Hotspring | ..... | ..... | ..... | 4.5 | 2.0 | (*) | 5.0 | T. | ..... | ..... |
| Idaho City | ..... | ..... | 12.0 | 32.0 | 21.5 | 16.0 | 43.0 | 12.0 | 1.0 | 137.5 |
| Idaho Falls | ..... | T. | T. | (*) | (*) | (*) | (*) | T. | T. | ..... |
| Imus Bros. Ranch | 2.0 | 7.0 | 5.5 | 12.0 | 3.5 | 11.0 | 15.0 | 18.5 | 6.5 | 81.0 |
| Indian Cove | ..... | ..... | T. | 4.9 | 7.0 | 9.0 | (*) | 1.0 | ..... | ..... |
| Irwin | ..... | ..... | (*) | 34.1 | 17.7 | (*) | 10.3 | (*) | (*) | ..... |
| Jerome | ..... | ..... | 2.0 | (*) | 17.0 | 16.0 | 11.0 | 4.0 | ..... | ..... |
| Kamiah | ..... | ..... | 0.5 | 22.3 | 13.0 | 8.5 | 2.9 | 1.2 | ..... | 48.4 |
| Kellogg | ..... | ..... | 8.8 | 28.2 | 28.7 | 17.2 | 19.1 | 2.2 | ..... | 104.2 |
| Kirkham | ..... | ..... | 21.3 | 37.9 | 24.0 | 22.0 | 21.0 | 12.0 | T. | 138.2 |
| Kooskia | ..... | ..... | (*) | 30.0 | 11.0 | 11.0 | 4.0 | 1.0 | ..... | ..... |
| Lakeview (near) | ..... | ..... | 7.0 | 33.1 | 23.8 | 26.0 | 20.2 | (*) | ..... | ..... |
| Lapwai | ..... | ..... | (*) | (*) | 5.5 | (*) | (*) | (*) | (*) | ..... |
| Lemhi | ..... | T. | 0.9 | 3.5 | 4.6 | 3.7 | 8.8 | 5.3 | 2.7 | 29.5 |
| Lewiston | ..... | ..... | 0.4 | 9.0 | 5.5 | 7.7 | 0.6 | T. | ..... | 23.2 |
| Little Camas | T. | T. | 15.5 | 30.5 | 19.7 | 23.5 | 32.8 | 6.5 | 1.5 | 130.0 |
| Long Gulch | ..... | ..... | 13.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Loon Creek | T. | 2.2 | 9.5 | (*) | (*) | 17.0 | 12.0 | 7.0 | 3.0 | ..... |
| McCall | ..... | 3.0 | 19.0 | 58.0 | 27.9 | 25.1 | 18.2 | 20.8 | ..... | 172.0 |
| Mackay | T. | ..... | 4.0 | 24.0 | 4.7 | 20.0 | 3.0 | 6.2 | T. | 61.9 |
| Magic | ..... | T. | (*) | 17.0 | (*) | 35.0 | 12.0 | (*) | (*) | ..... |
| Meridian | ..... | ..... | 2.5 | 7.0 | 6.6 | 5.7 | 16.8 | 2.8 | ..... | 41.4 |
| Middle Fork | ..... | ..... | 1.0 | (*) | 20.3 | 25.0 | 14.5 | 0.5 | ..... | ..... |
| Montpelier | ..... | 0.5 | (*) | (*) | 21.5 | 26.0 | (*) | 9.5 | 1.0 | ..... |
| Moscow | ..... | ..... | 12.7 | 14.0 | 22.4 | 14.5 | 8.0 | 7.5 | T. | 79.1 |
| Mountainhome | ..... | ..... | 1.5 | 8.5 | 11.0 | 8.5 | 14.0 | ..... | ..... | 43.5 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Idaho*—Continued. | | | | | | | | | | |
| Murtaugh | ..... | ..... | 2.0 | 14.0 | 20.0 | 20.0 | 10.5 | 5.0 | ..... | 71.5 |
| Musselshell | ..... | T. | (*) | (*) | 59.5 | 33.7 | 62.1 | 14.0 | ..... | ..... |
| New Meadows | ..... | 1.2 | 21.0 | 36.5 | 30.5 | 33.0 | 26.0 | 11.3 | 1.5 | 161.0 |
| Nezperce | ..... | T. | 9.0 | 28.0 | 18.2 | 16.0 | 20.0 | 4.0 | ..... | 95.2 |
| Oakley | ..... | T. | 1.0 | 13.0 | 9.5 | 7.0 | 7.5 | 6.0 | T. | 44.0 |
| Orofino | ..... | ..... | 6.0 | 25.2 | 25.0 | 19.3 | 15.0 | 7.0 | ..... | 97.5 |
| Payette | ..... | ..... | 0.8 | 8.7 | 5.7 | 8.4 | 9.3 | 0.2 | ..... | 33.1 |
| Pierson | ..... | 3.0 | 15.0 | 17.0 | 13.0 | (*) | (*) | (*) | (*) | ..... |
| Pine | T. | ..... | 32.5 | 29.0 | 21.5 | 28.0 | 30.5 | 8.0 | ..... | 149.5 |
| Pleasant Valley | ..... | ..... | 1.5 | 7.3 | 5.6 | 5.8 | (*) | 4.9 | ..... | ..... |
| Pocatello | ..... | 0.4 | 5.0 | 19.7 | 12.3 | 18.5 | 15.1 | 8.6 | 0.5 | 80.1 |
| Pocatello Nursery | T. | 0.5 | (*) | (*) | (*) | (*) | (*) | (*) | T. | ..... |
| Pollock | ..... | ..... | (*) | 11.0 | 10.0 | (*) | T. | ..... | ..... | ..... |
| Porcupine | ..... | T. | 20.0 | 35.0 | 29.0 | 23.0 | 21.0 | 10.0 | 5.0 | 143.0 |
| Porthill | ..... | T. | 9.0 | 17.0 | 9.5 | 16.5 | 19.0 | 3.0 | ..... | 74.0 |
| Potlatch | ..... | ..... | 13.0 | 18.5 | 26.0 | 15.0 | 13.0 | 4.0 | T. | 89.5 |
| Prichard | ..... | ..... | (*) | (*) | (*) | (*) | 48.0 | (*) | ..... | ..... |
| Priest Lake | ..... | T. | 13.3 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Priest River Experiment Station | ..... | T. | 19.1 | 29.7 | 23.5 | 30.4 | 25.3 | 4.0 | ..... | 132.0 |
| Pyle Creek | ..... | ..... | 14.4 | 30.7 | 23.9 | 18.8 | 31.5 | 2.0 | T. | 121.3 |
| Rattlesnake | ..... | ..... | 15.4 | 24.4 | 17.0 | 17.3 | 26.8 | 8.2 | ..... | 109.1 |
| Rice | ..... | 2.0 | 16.5 | 36.0 | 27.0 | (*) | 29.0 | 15.0 | 3.0 | ..... |
| Richfield | ..... | T. | 6.5 | 13.5 | 8.7 | 25.2 | 13.0 | 7.0 | ..... | 73.9 |
| Rupert | ..... | T. | 0.8 | 12.7 | (*) | 11.5 | 16.5 | 5.0 | ..... | ..... |
| St. Maries | ..... | ..... | 5.6 | 23.4 | 21.5 | 20.0 | 18.1 | 1.0 | ..... | 89.6 |
| St. Michaels Priory | ..... | 4.5 | 15.7 | 29.7 | 35.2 | 25.2 | 36.4 | 17.4 | 0.8 | 164.9 |
| Salmon | ..... | T. | 0.7 | 7.1 | 8.0 | 7.1 | 14.5 | 1.0 | T. | 38.4 |
| Sandpoint | ..... | T. | 12.4 | 27.0 | 25.0 | 28.0 | 23.5 | 4.5 | ..... | 120.4 |
| Sheep Hill | ..... | ..... | 19.8 | 46.8 | 31.5 | 36.3 | 52.3 | 21.5 | T. | 208.2 |
| Shoshone | ..... | ..... | 1.0 | 6.0 | 6.2 | 14.5 | 7.0 | 4.5 | T. | 39.2 |
| Silver City | ..... | T. | 11.4 | 47.4 | 28.3 | 38.2 | 22.9 | 11.5 | ..... | 159.7 |
| Smiths Ferry | ..... | T. | 30.0 | 88.0 | 54.0 | (*) | (*) | (*) | (*) | ..... |
| Soldier Creek | T. | T. | 30.4 | 58.2 | 17.8 | 67.1 | 34.3 | 14.0 | T. | 221.8 |
| Spencer | T. | 13.0 | 14.5 | 24.0 | 21.0 | (*) | (*) | 14.0 | 3.0 | ..... |
| Springfield | ..... | 4.0 | 7.6 | 12.0 | 15.7 | 12.5 | 20.0 | 7.0 | T. | 78.8 |
| Stanley | ..... | 0.5 | 8.8 | 21.1 | 14.3 | 29.6 | 22.7 | 21.0 | 3.5 | 121.5 |
| Sublett Ranger Station | (*) | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Sugar | ..... | (*) | 1.0 | (*) | 35.5 | 8.6 | 11.0 | (*) | T. | ..... |
| Sunnyside | ..... | ..... | 1.0 | (*) | 9.2 | 6.5 | 12.0 | 0.5 | ..... | ..... |
| Tripod Mountain | ..... | ..... | 6.0 | 21.9 | 22.9 | 11.9 | 20.1 | 7.0 | T. | 89.8 |
| Twin Falls | ..... | ..... | 3.5 | 10.4 | 6.9 | 8.5 | 2.6 | (*) | (*) | ..... |
| Wallace | ..... | 0.2 | 11.9 | 35.8 | 41.2 | 26.5 | 55.0 | 3.8 | T. | 174.4 |
| Weiser | ..... | ..... | 3.0 | 15.0 | 7.6 | 9.5 | 10.5 | ..... | ..... | 45.6 |
| Wendell | ..... | ..... | (*) | 6.5 | 12.0 | 23.5 | 11.0 | 5.5 | ..... | ..... |
| Weston | ..... | ..... | T. | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Whitebird | ..... | 1.0 | 2.0 | 18.0 | 14.5 | (*) | (*) | (*) | T. | ..... |
| Whites | ..... | 1.0 | (*) | (*) | 3.5 | 13.5 | 11.0 | 3.0 | T. | ..... |
| Woodrow | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| *Illinois.* | | | | | | | | | | |
| Albion | ..... | T. | 1.0 | 7.8 | 3.7 | 2.8 | 1.8 | ..... | ..... | 17.1 |
| Aledo | ..... | ..... | 0.1 | 7.0 | 1.1 | 2.5 | T. | 3.0 | ..... | 13.7 |
| Alexander | ..... | 3.0 | T. | 2.7 | 0.3 | 1.0 | 0.2 | 2.5 | T. | 9.7 |
| Anna | ..... | ..... | T. | 8.2 | 5.8 | 10.5 | 1.5 | ..... | ..... | 26.0 |
| Antioch | T. | ..... | 0.5 | (*) | 6.9 | 2.5 | 1.0 | 1.0 | T. | ..... |
| Astoria | ..... | 6.0 | T. | 9.0 | 0.5 | 2.0 | 0.4 | 1.0 | T. | 18.9 |
| Aurora | ..... | ..... | 0.5 | 12.0 | 6.7 | 3.0 | T. | ..... | ..... | 22.2 |
| Beardstown | ..... | 3.0 | ..... | 3.7 | 0.1 | 0.1 | 0.1 | T. | ..... | 7.0 |
| Bement | ..... | 1.0 | T. | 3.8 | 1.4 | 0.8 | T. | T. | ..... | 7.0 |
| Bloomington | ..... | 5.0 | T. | 8.1 | 1.3 | 4.0 | ..... | ..... | ..... | 18.4 |
| Cairo | ..... | ..... | 1.0 | 3.3 | 6.9 | 1.1 | 2.8 | ..... | ..... | 15.1 |
| Camp Point | ..... | 2.4 | T. | 6.4 | 0.4 | 2.0 | 1.3 | 0.2 | ..... | 12.7 |
| Carbondale | ..... | ..... | 0.4 | 9.1 | 5.4 | 7.5 | 0.5 | ..... | ..... | 22.9 |
| Carlinville | ..... | 0.3 | T. | 1.8 | 0.4 | 0.4 | 0.1 | 0.4 | ..... | 3.4 |
| Casey | ..... | T. | 0.5 | (*) | T. | 0.2 | T. | T. | ..... | ..... |
| Charleston | ..... | 0.3 | 0.4 | 6.7 | 0.4 | 3.0 | 0.7 | ..... | ..... | 11.5 |
| Chester | ..... | ..... | 0.6 | 8.7 | 2.3 | 3.0 | 0.5 | ..... | ..... | 15.1 |
| Chicago | ..... | T. | 0.1 | 7.1 | 9.9 | 4.5 | 2.1 | T. | T. | 23.7 |
| Clinton | ..... | 3.0 | T. | 6.0 | 1.0 | 2.3 | T. | ..... | T. | 12.3 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Illinois*—Continued. | | | | | | | | | | |
| Danville | ..... | 0.9 | T. | 5.9 | 2.7 | 2.4 | 0.2 | T. | T. | 12.1 |
| Decatur | ..... | 1.5 | T. | 6.2 | 2.5 | 1.0 | T. | ..... | T. | 11.2 |
| Dixon | ..... | ..... | T. | 5.4 | 8.9 | 2.0 | 0.5 | T. | ..... | 16.8 |
| Duquoin | ..... | T. | 1.0 | 9.0 | 0.2 | 3.6 | 1.0 | ..... | ..... | 14.9 |
| Dwight | ..... | ..... | T. | 9.0 | 5.2 | 4.6 | T. | T. | ..... | 18.8 |
| Edwardsville | ..... | 0.2 | 0.1 | 1.5 | 3.0 | 0.9 | 0.2 | ..... | ..... | 5.8 |
| Elgin | ..... | T. | T. | 8.0 | 12.0 | 2.5 | 2.2 | T. | ..... | 24.7 |
| Equality | ..... | T. | T. | 10.9 | 6.0 | 9.0 | 3.0 | ..... | ..... | 28.9 |
| Ewing | ..... | T. | T. | 7.5 | 3.5 | 1.5 | T. | ..... | ..... | 12.5 |
| Fairfield | ..... | ..... | 1.0 | 7.5 | 2.0 | 4.3 | 1.0 | ..... | ..... | 15.8 |
| Fairview | ..... | 2.5 | T. | 3.8 | 2.0 | 0.1 | T. | 0.5 | ..... | 8.9 |
| Flora | ..... | (*) | (*) | 7.1 | 0.8 | T. | ..... | T. | ..... | ..... |
| Freeport | ..... | ..... | 0.4 | 4.8 | 7.9 | 2.7 | (*) | T. | ..... | ..... |
| Galva | ..... | ..... | T. | 7.7 | 6.5 | 1.2 | 0.3 | 7.8 | ..... | 23.5 |
| Grafton | ..... | T. | ..... | 1.8 | 3.5 | 0.2 | 0.2 | 0.2 | ..... | 5.9 |
| Greenville | ..... | T. | T. | 3.5 | 3.0 | T. | 0.3 | ..... | ..... | 6.8 |
| Griggsville | ..... | 1.0 | T. | 2.0 | T. | (*) | 1.5 | 3.0 | ..... | ..... |
| Havana | ..... | 2.5 | T. | 2.3 | 0.3 | 0.4 | 0.3 | T. | ..... | 5.8 |
| Henry | ..... | ..... | T. | 5.0 | 7.0 | 1.0 | T. | T. | ..... | 13.0 |
| Hillsboro | ..... | T. | T. | 4.1 | 1.3 | 0.2 | T. | T. | ..... | 5.6 |
| Hoopeston | ..... | 0.6 | 0.1 | 6.6 | 6.0 | 3.8 | 0.1 | T. | T. | 17.2 |
| Joliet | ..... | ..... | 0.2 | 6.0 | 3.5 | 1.6 | 0.7 | T. | T. | 12.0 |
| Kankakee | ..... | (*) | T. | 6.6 | 7.0 | 3.0 | T. | ..... | T. | ..... |
| La Grange | ..... | ..... | 0.3 | 5.3 | 5.0 | 2.5 | ..... | ..... | ..... | 13.1 |
| La Harpe | ..... | 9.0 | T. | 4.5 | 3.5 | 0.5 | T. | 1.5 | 1.5 | 20.5 |
| Lincoln | ..... | 2.0 | T. | 5.6 | 1.8 | 1.0 | T. | T. | T. | 10.4 |
| Macomb | ..... | 9.0 | T. | 6.0 | 2.1 | 1.0 | 0.5 | 3.0 | T. | 21.6 |
| McLeansboro | ..... | T. | 1.0 | 8.2 | 3.0 | 4.6 | 2.1 | ..... | ..... | 18.9 |
| Mascoutah | ..... | T. | T. | 5.5 | 2.0 | 0.5 | 0.5 | ..... | ..... | 8.5 |
| Minonk | ..... | ..... | T. | 5.0 | 2.0 | 2.0 | ..... | T. | ..... | 9.0 |
| Monmouth | ..... | T. | 0.1 | 3.1 | 3.7 | 0.3 | 0.1 | 8.5 | T. | 15.8 |
| Montrose | ..... | T. | 0.2 | 5.0 | 1.0 | T. | 0.2 | 0.5 | T. | 6.9 |
| Morris | ..... | ..... | T. | 8.0 | 3.3 | 1.0 | ..... | 0.2 | ..... | 12.5 |
| Morrison | ..... | ..... | 0.2 | 8.1 | 9.1 | 2.0 | 0.3 | T. | ..... | 19.7 |
| Morrisonville | ..... | 0.3 | T. | 6.8 | 0.2 | 0.2 | T. | 0.6 | T. | 8.1 |
| Mount Carmel | ..... | 0.2 | 0.5 | 10.2 | 7.5 | 4.0 | 3.5 | ..... | ..... | 25.9 |
| Mount Carroll | ..... | ..... | (*) | (*) | 12.0 | 4.0 | T. | T. | T. | ..... |
| Mount Vernon | ..... | T. | T. | 5.2 | 2.0 | 0.4 | T. | ..... | ..... | 7.6 |
| Nashville | ..... | T. | T. | 7.5 | 1.5 | 0.5 | 1.0 | ..... | ..... | 10.5 |
| New Burnside | ..... | T. | 0.2 | 9.4 | 5.7 | 11.2 | 1.6 | ..... | ..... | 28.1 |
| Newton | ..... | ..... | T. | 3.0 | T. | T. | 0.2 | 3.0 | T. | 6.2 |
| Olney | ..... | T. | 1.0 | 7.0 | 3.5 | 0.5 | 1.0 | ..... | ..... | 13.0 |
| Oregon | ..... | ..... | T. | 6.0 | 8.0 | 3.3 | (*) | T. | ..... | ..... |
| Ottawa | ..... | ..... | T. | 7.5 | (*) | 2.5 | T. | (*) | ..... | ..... |
| Palestine | ..... | T. | 1.0 | 6.0 | 2.0 | T. | 1.1 | 6.0 | ..... | 16.1 |
| Pana | ..... | T. | T. | 3.6 | 0.2 | 0.9 | T. | ..... | ..... | 4.7 |
| Paris | ..... | T. | T. | 17.0 | 0.4 | 3.0 | 0.1 | ..... | T. | 20.5 |
| Paw Paw | ..... | ..... | 0.1 | 8.8 | 7.1 | 1.6 | 0.3 | 0.1 | ..... | 18.0 |
| Peoria | ..... | 0.3 | T. | 3.9 | 4.1 | 1.2 | T. | T. | ..... | 9.5 |
| Pontiac | ..... | T. | T. | 13.5 | 8.0 | 6.0 | T. | T. | T. | 27.5 |
| Quincy | ..... | T. | T. | 0.7 | 0.7 | 0.1 | 2.2 | 1.9 | T. | 5.6 |
| Riley | ..... | T. | 0.4 | 5.7 | 8.4 | 3.2 | 1.7 | 1.0 | ..... | 20.4 |
| Roberts | ..... | 0.9 | T. | 5.8 | 3.9 | 1.4 | T. | ..... | T. | 12.0 |
| Rockford | ..... | T. | T. | 5.5 | 9.9 | 1.2 | 2.0 | 0.5 | ..... | 19.1 |
| Rushville | ..... | 4.0 | ..... | 4.5 | T. | T. | 1.0 | 2.0 | T. | 11.5 |
| Salem | ..... | T. | 0.5 | 6.4 | 0.5 | T. | T. | ..... | ..... | 7.4 |
| Shawneetown | ..... | ..... | 0.2 | 8.7 | 6.0 | 5.7 | (*) | ..... | ..... | ..... |
| Sidell | ..... | 1.0 | 0.5 | 5.5 | 2.0 | 2.5 | 0.5 | T. | T. | 12.0 |
| Sparta | ..... | T. | 1.0 | 9.5 | 0.9 | 2.3 | 0.3 | ..... | ..... | 14.0 |
| Springfield | ..... | 1.8 | T. | 1.7 | 0.6 | 1.3 | 0.3 | 0.5 | T. | 6.2 |
| Streator | ..... | ..... | 0.2 | 9.1 | 5.1 | 2.9 | 0.4 | 1.0 | ..... | 18.7 |
| Sycamore | ..... | T. | T. | 9.6 | 6.5 | 2.5 | 0.7 | 0.2 | ..... | 19.5 |
| Tiskilwa | ..... | ..... | T. | 4.5 | 2.4 | 2.0 | T. | 0.8 | ..... | 9.7 |
| Tuscola | ..... | T. | T. | 2.5 | T. | 0.5 | ..... | ..... | T. | 3.0 |
| Urbana | ..... | 1.4 | 0.3 | 4.3 | 2.5 | 1.4 | T. | T. | T. | 9.9 |
| Walnut | ..... | ..... | 0.3 | 6.5 | 5.3 | 2.1 | 1.0 | 0.7 | ..... | 15.9 |
| Warsaw | ..... | 1.4 | T. | 3.5 | 0.5 | 0.2 | 0.1 | 3.6 | ..... | 9.3 |
| Waterloo | ..... | T. | 0.5 | 6.0 | 3.0 | 0.6 | T. | ..... | ..... | 10.1 |
| White Hall | ..... | 1.0 | T. | 5.0 | 1.0 | T. | T. | 0.5 | ..... | 7.5 |
| Windsor | ..... | 0.2 | 0.2 | 6.2 | T. | 0.8 | 0.5 | T. | T. | 7.9 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Indiana.* | | | | | | | | | | |
| Albion | (*) | (*) | (*) | 9.3 | (*) | 4.3 | 0.7 | T. | ..... | ..... |
| Anderson | ..... | 1.2 | 1.5 | 11.2 | 4.2 | 1.5 | 1.8 | T. | T. | 21.4 |
| Berne | ..... | 1.5 | 0.3 | 13.0 | 9.6 | 5.2 | 2.3 | T. | 1.0 | 32.9 |
| Bloomington | ..... | 0.3 | 1.6 | 9.7 | 5.8 | 1.8 | 4.6 | 3.5 | T. | 27.3 |
| Bluffton | ..... | T. | T. | 8.3 | 11.0 | (*) | 1.7 | T. | T. | ..... |
| Butlerville | ..... | T. | 0.6 | 8.3 | 9.6 | 9.0 | 13.3 | 5.3 | ..... | 46.1 |
| Collegeville | ..... | T. | T. | 10.2 | 10.3 | (*) | 4.0 | ..... | 0.2 | ..... |
| Columbus | ..... | T. | 1.0 | 5.4 | 3.0 | 0.7 | 3.1 | 1.8 | ..... | 15.0 |
| Connersville | ..... | T. | 1.0 | 9.5 | 9.5 | 2.0 | 5.0 | T. | ..... | 27.0 |
| Crawfordsville | ..... | 0.5 | T. | 6.7 | 2.0 | T. | T. | T. | 2.0 | 11.2 |
| Crown Point | ..... | T. | T. | 13.5 | 16.5 | 11.0 | T. | T. | T. | 41.0 |
| Decker | ..... | ..... | (*) | (*) | (*) | (*) | 5.0 | 3.0 | ..... | ..... |
| Delphi | ..... | (*) | (*) | (*) | (*) | (*) | (*) | ..... | 0.5 | ..... |
| Elliston | ..... | T. | 1.0 | (*) | 2.0 | (*) | 3.0 | 1.0 | ..... | ..... |
| Evansville | ..... | ..... | 0.5 | 12.9 | 7.6 | 7.8 | 8.2 | T. | ..... | 37.0 |
| Farmersburg | ..... | ..... | 0.5 | 2.5 | T. | 0.5 | 0.2 | 1.5 | ..... | 5.2 |
| Farmland | ..... | T. | (*) | (*) | (*) | (*) | (*) | ..... | ..... | ..... |
| Forest Reserve | ..... | ..... | T. | 3.8 | 8.5 | 4.5 | 8.0 | 3.7 | ..... | 28.5 |
| Fort Wayne | ..... | 0.2 | 0.8 | 9.0 | 8.3 | 2.8 | 0.9 | T. | ..... | 22.0 |
| Frankfort | ..... | 1.0 | T. | 6.5 | 7.5 | 3.0 | 3.0 | T. | 2.0 | 23.0 |
| Goshen | ..... | T. | 2.0 | 5.5 | 2.0 | 2.5 | 0.7 | ..... | ..... | 12.7 |
| Greencastle | (*) | (*) | (*) | (*) | 0.5 | (*) | 1.0 | T. | ..... | ..... |
| Greenfield | ..... | (*) | 1.0 | 11.5 | 6.0 | 2.5 | 1.5 | ..... | ..... | ..... |
| Greensburg | ..... | T. | (*) | 8.0 | 8.0 | 2.5 | (*) | T. | ..... | ..... |
| Hammond | ..... | T. | T. | 18.0 | 6.0 | 1.0 | T. | ..... | ..... | 25.0 |
| Hickory Hill | ..... | T. | 1.0 | 8.1 | 4.0 | 1.3 | 4.8 | 1.0 | ..... | 20.2 |
| Howe | ..... | 0.5 | 2.0 | 13.0 | 12.5 | 10.0 | 5.5 | T. | ..... | 43.5 |
| Huntington | ..... | (*) | T. | 8.5 | 9.1 | 4.8 | 1.5 | T. | T. | ..... |
| Indianapolis | ..... | 0.4 | 0.7 | 9.9 | 5.8 | 3.7 | 3.0 | 0.2 | T. | 23.7 |
| Jeffersonville | ..... | ..... | T. | 11.2 | 9.0 | 9.1 | 5.8 | 1.0 | ..... | 36.1 |
| Judyville | ..... | 1.0 | T. | 6.6 | 7.9 | 3.2 | (*) | (*) | (*) | ..... |
| Knox | ..... | T. | 0.5 | 20.2 | 6.2 | (*) | (*) | (*) | ..... | ..... |
| Kokomo | ..... | 0.8 | T. | 18.0 | 2.0 | 3.0 | T. | T. | ..... | 23.8 |
| Lafayette | ..... | T. | T. | 8.7 | 7.2 | 5.7 | 1.0 | T. | T. | 22.6 |
| Laporte | ..... | T. | 2.0 | 27.0 | 9.0 | 13.0 | (*) | ..... | (*) | ..... |
| Logansport | ..... | T. | (*) | 9.8 | 4.5 | (*) | 0.6 | (*) | ..... | ..... |
| Madison | ..... | T. | T. | 7.0 | 7.4 | 7.7 | 6.0 | 2.0 | ..... | 30.1 |
| Marengo | ..... | T. | T. | 4.0 | (*) | 6.0 | 5.0 | 2.0 | ..... | ..... |
| Marion | ..... | T. | T. | 10.3 | 10.3 | 5.1 | 2.0 | T. | ..... | 27.7 |
| Mauzy | ..... | T. | 2.5 | 13.1 | 8.5 | 2.2 | 4.1 | 1.0 | T. | 31.4 |
| Monticello | ..... | T. | T. | 8.6 | 4.5 | 1.5 | T. | T. | T. | 14.6 |
| Moores Hill | ..... | (*) | 0.5 | 8.8 | 9.5 | 8.4 | 10.3 | 3.0 | ..... | ..... |
| Mount Vernon | ..... | T. | T. | 7.0 | 5.0 | 6.0 | (*) | (*) | ..... | ..... |
| Muncie | ..... | T. | 0.8 | 8.0 | 0.8 | T. | 0.3 | T. | T. | 9.9 |
| Noblesville | (*) | 0.5 | 0.5 | (*) | (*) | 1.0 | (*) | ..... | ..... | ..... |
| Notre Dame | ..... | 0.2 | 2.4 | 7.7 | 5.4 | 6.6 | 0.3 | T. | ..... | 22.6 |
| Paoli | ..... | T. | 0.5 | 11.0 | 9.5 | 6.5 | 6.0 | 3.0 | ..... | 36.5 |
| Plymouth | ..... | 0.5 | 1.0 | 8.9 | 5.7 | 7.6 | 0.1 | ..... | ..... | 23.8 |
| Princeton | ..... | (*) | (*) | 12.5 | 5.5 | (*) | 3.0 | (*) | ..... | ..... |
| Richmond | ..... | T. | 1.6 | 12.3 | 9.9 | 2.8 | 3.9 | 0.2 | 1.1 | 31.8 |
| Rochester | ..... | T. | T. | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Rockville | T. | 1.1 | 0.4 | 8.1 | 4.1 | 1.9 | 0.7 | T. | T. | 16.3 |
| Rome | ..... | ..... | T. | 12.5 | 9.0 | 6.2 | 12.0 | T. | ..... | 39.7 |
| Salamonia | ..... | T. | 1.5 | 15.5 | 8.0 | 9.7 | 5.2 | 1.0 | ..... | 40.9 |
| Salem | ..... | T. | T. | 7.5 | 6.5 | 8.0 | 9.0 | 6.0 | ..... | 37.0 |
| Scottsburg | ..... | ..... | T. | 5.5 | 7.5 | 5.5 | 6.0 | 3.0 | ..... | 27.5 |
| Seymour | ..... | T. | T. | 9.4 | 8.3 | 8.0 | 9.6 | 4.5 | ..... | 39.8 |
| Shelbyville | ..... | T. | 2.2 | 10.5 | 5.7 | 2.2 | 6.2 | 2.0 | ..... | 28.8 |
| Shoals | ..... | ..... | ..... | 5.0 | 3.5 | 3.5 | 5.0 | 1.0 | ..... | 18.0 |
| South Bend | ..... | 0.5 | 1.8 | 9.3 | 3.6 | 2.2 | 1.0 | T. | ..... | 18.4 |
| Tab | (*) | (*) | (*) | (*) | (*) | (*) | T. | ..... | ..... | ..... |
| Terre Haute | ..... | 0.2 | 0.8 | 7.9 | 3.3 | 1.0 | 0.8 | 0.5 | T. | 14.5 |
| Valparaiso | ..... | T. | 1.4 | 18.5 | 3.8 | 5.7 | 1.7 | T. | T. | 31.1 |
| Veedersburg | ..... | T. | T. | 7.5 | 5.5 | 1.0 | 1.0 | ..... | T. | 15.0 |
| Vevay | ..... | ..... | 0.5 | 10.5 | 9.0 | 8.5 | 9.0 | 4.0 | ..... | 41.5 |
| Vincennes | ..... | ..... | 0.5 | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Washington | ..... | T. | 0.5 | 4.9 | 2.0 | 2.2 | 2.0 | 2.0 | ..... | 13.6 |
| Wheatfield | (*) | T. | T. | 6.9 | 4.5 | 2.5 | T. | ..... | ..... | ..... |
| Whitestown | ..... | T. | 2.4 | 10.6 | 8.2 | 3.2 | 3.2 | T. | ..... | 27.6 |
| Whiting | ..... | T. | T. | 13.0 | 11.5 | 3.0 | 0.8 | ..... | ..... | 28.3 |
| Winona Lake | ..... | 0.8 | 0.5 | 10.1 | 4.4 | 5.5 | 0.7 | T. | ..... | 22.0 |
| Worthington | ..... | T. | 3.0 | 10.5 | 4.0 | (*) | 3.0 | 2.0 | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Iowa.* | | | | | | | | | | |
| Afton | ..... | ..... | 1.5 | 5.0 | 4.3 | 0.8 | 0.2 | 6.2 | ..... | 18.0 |
| Albia | ..... | 1.2 | T. | 4.5 | 3.0 | T. | T. | 5.0 | T. | 13.7 |
| Algona | ..... | 1.5 | 2.0 | 6.1 | (*) | 3.8 | 13.0 | 2.5 | ..... | ..... |
| Allerton | ..... | T. | T. | 6.2 | 0.5 | 1.0 | T. | 15.0 | ..... | 22.7 |
| Allison | ..... | 2.0 | 3.0 | 6.7 | 13.1 | 5.5 | (*) | 1.5 | ..... | ..... |
| Alta | ..... | 2.0 | 3.5 | 5.0 | 14.8 | 8.5 | 12.5 | 10.0 | 3.0 | 59.3 |
| Alta (near) | ..... | 3.0 | 4.0 | 5.9 | 11.5 | 6.5 | 15.0 | 10.0 | 3.5 | 59.4 |
| Alton | ..... | 7.0 | 5.0 | 10.0 | 14.2 | 5.7 | 12.0 | T. | T. | 53.9 |
| Ames | ..... | 1.0 | 0.8 | 5.7 | 1.2 | 2.9 | 3.0 | 4.0 | ..... | 18.6 |
| Atlantic | ..... | 1.5 | 1.4 | 4.3 | 5.7 | 1.6 | 3.4 | 5.0 | 2.0 | 24.9 |
| Audubon | ..... | 1.5 | 1.6 | 8.0 | 5.2 | 4.5 | 4.7 | 12.5 | 6.5 | 44.5 |
| Baxter | ..... | 2.0 | 1.5 | 3.8 | 2.7 | 1.5 | 2.3 | 3.5 | ..... | 17.3 |
| Bedford | ..... | 0.2 | 0.7 | 9.9 | 2.0 | 0.5 | 0.8 | 4.4 | 1.2 | 19.7 |
| Belle Plaine | ..... | 2.0 | 1.8 | 6.8 | 9.9 | 2.5 | (*) | 4.0 | T. | ..... |
| Belmond | ..... | 2.0 | 3.3 | 8.2 | 13.8 | 9.2 | 8.0 | 4.5 | ..... | 49.0 |
| Bloomfield | ..... | 2.0 | 1.0 | 9.5 | 3.0 | 1.5 | 0.5 | 9.5 | ..... | 27.0 |
| Bonaparte | ..... | 1.5 | T. | 2.8 | 4.7 | T. | T. | 6.0 | T. | 15.0 |
| Boone | ..... | 0.5 | 1.0 | 3.6 | 8.0 | 3.0 | 1.5 | 2.6 | ..... | 20.2 |
| Britt | ..... | 1.3 | 2.2 | 4.9 | 8.8 | 7.3 | 10.1 | 1.0 | ..... | 35.6 |
| Burlington | ..... | 4.5 | T. | 8.7 | 3.5 | 1.0 | T. | 3.0 | ..... | 20.7 |
| Carroll | ..... | 2.0 | 1.6 | 2.0 | 6.2 | 5.5 | 6.0 | 4.0 | 2.0 | 29.3 |
| Cedar Rapids | ..... | T. | 0.5 | 3.1 | 9.8 | 1.4 | 1.6 | 0.6 | T. | 17.0 |
| Centerville | ..... | 0.6 | T. | 1.9 | 0.5 | T. | T. | 5.5 | T. | 8.5 |
| Chariton | ..... | 1.0 | 1.0 | 5.0 | 1.0 | T. | T. | 4.0 | ..... | 12.0 |
| Charles City | ..... | 3.0 | 7.9 | 11.0 | 14.4 | 9.6 | 16.1 | 5.5 | ..... | 67.5 |
| Clarinda | ..... | ..... | 1.3 | 3.3 | 2.8 | 1.3 | 2.0 | 0.5 | ..... | ..... |
| Clinton | ..... | ..... | 0.2 | 5.6 | 6.8 | 1.6 | 1.2 | 2.0 | T. | 17.4 |
| Columbus Junction | ..... | T. | T. | 10.3 | 1.7 | 0.6 | T. | 2.0 | T. | 14.6 |
| Corning | ..... | T. | 1.0 | 8.0 | 0.2 | T. | T. | 0.2 | T. | 9.4 |
| Corydon | ..... | 1.7 | 1.0 | 9.0 | 0.7 | 1.4 | T. | 14.0 | T. | 27.8 |
| Creston | ..... | T. | 1.0 | 5.0 | 4.5 | 0.5 | T. | 6.5 | 5.0 | 22.5 |
| Cumberland | ..... | 1.0 | 1.0 | 8.0 | 2.0 | 1.0 | 1.0 | 5.0 | T. | 19.0 |
| Davenport | ..... | ..... | 0.1 | 8.0 | 8.0 | 1.8 | 0.5 | 2.1 | T. | 20.5 |
| Decorah | ..... | ..... | 5.5 | 6.5 | 13.5 | 10.0 | 13.0 | 1.0 | ..... | 49.5 |
| Delaware | ..... | ..... | 1.5 | 7.0 | 7.0 | 5.1 | 3.0 | 0.5 | T. | 24.1 |
| Denison | ..... | 4.0 | 2.0 | 7.0 | 5.0 | 6.2 | 7.7 | 2.5 | 1.0 | 35.4 |
| Des Moines | ..... | 1.3 | 1.7 | 7.9 | 4.2 | 4.1 | 4.2 | 4.8 | 0.6 | 28.8 |
| Dubuque | ..... | ..... | 1.1 | 6.0 | 8.4 | 1.7 | 2.5 | 2.4 | T. | 22.1 |
| Earlham | ..... | T. | 1.2 | 8.0 | 2.0 | 2.0 | T. | 5.0 | 3.0 | 21.2 |
| Elkader | ..... | ..... | 2.0 | 7.1 | 16.0 | 3.0 | 15.0 | T. | ..... | 43.1 |
| Estherville | ..... | 2.0 | 3.0 | 5.3 | 13.5 | 6.0 | 14.0 | 7.0 | ..... | 50.8 |
| Fairfield | ..... | 2.8 | 0.2 | 8.6 | 1.5 | 0.8 | 0.2 | 6.0 | ..... | 20.1 |
| Fayette | ..... | T. | 2.5 | 7.3 | 8.2 | 4.5 | 11.1 | (*) | T. | ..... |
| Forest City | ..... | 0.5 | 4.0 | 6.0 | 17.5 | 7.0 | 10.5 | 1.0 | ..... | 46.5 |
| Fort Dodge | ..... | 2.0 | 3.3 | 6.5 | 10.0 | 10.4 | 9.5 | 10.0 | 1.0 | 52.7 |
| Fort Madison | ..... | 8.0 | 0.5 | 9.3 | (*) | 0.4 | 1.0 | 10.5 | 2.5 | ..... |
| Gilman | (*) | (*) | (*) | 4.5 | 4.5 | 1.0 | T. | 0.5 | ..... | ..... |
| Glenwood | ..... | (*) | (*) | (*) | (*) | (*) | (*) | T. | T. | ..... |
| Greenfield | ..... | 1.0 | 1.0 | 11.0 | 2.5 | 1.0 | 4.0 | 1.2 | 6.0 | 27.7 |
| Grinnell | ..... | 1.5 | 0.7 | 4.7 | 5.4 | 1.5 | 3.0 | 4.5 | T. | 21.3 |
| Grundy Center | ..... | 2.0 | 1.0 | 7.0 | 6.0 | 3.0 | 3.0 | 5.0 | ..... | 27.0 |
| Guthrie Center | ..... | 1.0 | 1.3 | 6.0 | 4.8 | 2.2 | (*) | (*) | ..... | ..... |
| Harlan | ..... | 3.5 | 1.0 | 6.0 | 5.0 | 3.0 | (*) | ..... | ..... | ..... |
| Humboldt | ..... | 1.0 | 2.0 | 8.0 | 10.0 | 5.0 | 7.0 | 1.2 | ..... | 34.2 |
| Independence | ..... | T. | 1.5 | 5.7 | 9.0 | 1.0 | 1.5 | 1.0 | ..... | 19.7 |
| Indianola | ..... | 0.3 | 0.8 | 3.6 | 3.4 | 1.1 | 3.1 | T. | T. | 12.3 |
| Inwood | ..... | 9.6 | 0.8 | 5.5 | 12.4 | 6.3 | 19.0 | 0.4 | ..... | 54.0 |
| Iowa City | ..... | ..... | 0.5 | 3.0 | 6.0 | 1.0 | T. | 2.0 | ..... | 12.5 |
| Iowa Falls | ..... | 2.5 | 1.3 | 4.5 | 15.5 | 8.0 | 13.1 | 4.0 | ..... | 48.9 |
| Jefferson | ..... | 4.0 | 1.0 | 6.2 | 6.2 | 4.0 | 3.5 | 1.5 | T. | 26.4 |
| Keokuk | ..... | 2.0 | T. | 2.5 | 0.1 | 1.0 | 0.1 | 2.5 | T. | 8.2 |
| Keosauqua | ..... | 2.0 | T. | 5.3 | 3.2 | 0.5 | 0.3 | 7.8 | 0.6 | 19.7 |
| Knoxville | ..... | 2.5 | 0.3 | 7.0 | 3.5 | 1.3 | 0.2 | 4.0 | ..... | 18.8 |
| Lacona | ..... | 2.0 | 2.0 | 5.0 | 13.0 | 5.0 | ..... | 7.0 | ..... | 34.0 |
| Lake Park | ..... | 2.0 | 2.0 | 7.5 | 11.5 | 2.0 | (*) | 1.5 | ..... | ..... |
| Lamoni | ..... | T. | 0.5 | 3.5 | T. | T. | T. | 12.0 | ..... | 16.0 |
| Le Claire | ..... | ..... | 0.2 | 7.8 | 6.5 | 1.6 | 4.3 | 1.0 | 0.1 | 21.5 |
| Le Mars | ..... | 5.0 | 4.5 | 8.5 | 5.4 | 5.1 | 12.5 | 1.0 | T. | 42.0 |
| Lenox | ..... | 0.5 | T. | 2.3 | 1.3 | 0.8 | 1.8 | 5.3 | 3.0 | 15.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Iowa*—Continued. | | | | | | | | | | |
| Leon | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Little Sioux | ..... | 3.0 | 1.5 | 8.5 | 4.3 | 5.5 | 8.0 | 1.5 | T. | 32.3 |
| Logan | ..... | (*) | 2.0 | 5.1 | 3.0 | 3.0 | 4.0 | 5.0 | ..... | ..... |
| Maquoketa | ..... | ..... | ..... | (*) | 0.8 | (*) | T. | T. | T. | ..... |
| Marshalltown | ..... | 1.1 | T. | 3.2 | 5.0 | 1.0 | 1.9 | 2.8 | ..... | 15.0 |
| Mason City | ..... | 4.3 | 4.1 | 9.0 | 11.5 | 9.3 | 18.5 | 3.0 | ..... | 59.7 |
| Matlock | ..... | 6.0 | 0.5 | 5.0 | 9.0 | T. | 11.8 | (*) | T. | ..... |
| Monroe | ..... | 3.1 | T. | (*) | 3.0 | 1.0 | 3.1 | 3.6 | ..... | ..... |
| Mount Ayr | ..... | 0.3 | 0.5 | 4.9 | 0.3 | 0.5 | T. | 7.0 | ..... | 13.5 |
| Mount Pleasant | ..... | 3.7 | T. | 6.8 | 1.5 | 0.5 | T. | 6.2 | T. | 18.7 |
| Murray | ..... | T. | 0.5 | 3.7 | 3.1 | 1.6 | 0.3 | 5.0 | 3.5 | 17.7 |
| Muscatine | ..... | T. | T. | 8.5 | 4.0 | 1.0 | 1.0 | 3.0 | T. | 17.5 |
| New Hampton | ..... | 2.0 | 4.0 | 5.5 | 7.0 | 11.0 | 10.0 | (*) | ..... | ..... |
| Nora Springs | ..... | 3.1 | 8.2 | 7.2 | 5.5 | 7.8 | 5.2 | 0.8 | ..... | 37.8 |
| Northboro | ..... | 3.0 | T. | 3.0 | 0.5 | T. | (*) | ..... | ..... | ..... |
| Northwood | T. | 5.0 | 12.0 | 12.0 | 17.5 | 10.0 | 14.0 | 7.0 | ..... | 77.5 |
| Olin | ..... | ..... | 0.5 | 7.0 | 10.0 | 2.0 | 1.0 | 1.0 | T. | 21.5 |
| Onawa | ..... | 4.0 | 4.0 | 8.5 | 11.0 | 8.0 | 9.0 | 6.0 | ..... | 50.5 |
| Osage | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Oskaloosa | ..... | 3.5 | T. | 5.6 | 1.5 | 1.2 | 0.5 | 3.5 | ..... | 15.8 |
| Ottumwa | ..... | 2.0 | 1.0 | 10.5 | 1.0 | T. | 0.4 | 4.0 | T. | 18.9 |
| Pella | ..... | 3.5 | 1.0 | 5.0 | 3.5 | 0.1 | 1.5 | 0.5 | ..... | 15.1 |
| Perry | ..... | 1.6 | 0.7 | 3.7 | 3.5 | 3.2 | 3.0 | 3.5 | 1.5 | 20.7 |
| Pocahontas | ..... | 1.5 | 3.8 | 9.6 | 10.7 | 6.0 | 11.6 | 10.0 | 2.0 | 55.2 |
| Postville | ..... | T. | 2.5 | 6.3 | 12.1 | 4.8 | 9.2 | 1.5 | T. | 36.4 |
| Rack Rapids | ..... | 3.0 | 0.8 | (*) | 20.7 | 4.2 | 18.0 | 0.6 | T. | ..... |
| Rockwell City | ..... | 1.7 | 1.5 | 5.5 | 7.5 | 9.7 | 10.2 | 4.5 | T. | 40.6 |
| Sac City | ..... | (*) | 4.0 | 8.6 | (*) | 2.7 | 13.0 | (*) | T. | ..... |
| St. Charles | ..... | 0.5 | 0.1 | 4.0 | 1.3 | 0.1 | 0.5 | 5.0 | 1.0 | 12.5 |
| Sanborn | ..... | 4.0 | 2.0 | 7.5 | 12.0 | 3.6 | 20.0 | 6.5 | 3.0 | 58.6 |
| Sibley | ..... | 3.2 | 1.5 | 4.4 | 19.0 | 5.6 | 13.4 | 0.5 | 0.5 | 48.1 |
| Sigourney | ..... | (*) | 0.5 | 9.5 | 4.0 | 2.0 | (*) | 3.9 | ..... | ..... |
| Sioux Center | ..... | 5.0 | 4.0 | 7.5 | 18.0 | 4.5 | 15.0 | 3.2 | 3.0 | 60.2 |
| Sioux City | ..... | 5.0 | 7.6 | 16.3 | 13.5 | 5.8 | 13.8 | 5.7 | 5.1 | 72.8 |
| Spencer | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Stockport | ..... | 2.0 | T. | 11.0 | 2.5 | T. | T. | 7.0 | ..... | 22.5 |
| Storm Lake | ..... | 1.0 | 5.0 | 11.3 | 11.7 | 11.6 | 11.8 | 6.0 | ..... | 58.4 |
| Thurman | ..... | 3.0 | 0.5 | 8.5 | 2.0 | T. | 2.5 | T. | ..... | 16.5 |
| Tipton | ..... | ..... | (*) | 7.9 | 1.8 | 1.7 | 0.9 | (*) | T. | ..... |
| Toledo | ..... | 2.0 | 2.2 | 6.0 | 6.0 | 0.5 | 3.5 | 2.5 | ..... | 22.7 |
| Washington | ..... | 1.0 | 0.2 | 6.7 | 4.7 | 0.8 | (*) | 4.6 | ..... | ..... |
| Washta | ..... | 3.0 | 2.0 | 8.0 | 10.0 | 6.0 | 16.0 | 1.0 | T. | 46.0 |
| Waterloo | ..... | 1.5 | 0.7 | 9.3 | 9.7 | 3.9 | 8.2 | 2.5 | ..... | 35.8 |
| Waukee | ..... | 0.2 | 0.5 | 4.1 | 3.1 | 1.3 | 2.9 | 3.0 | 2.0 | 17.1 |
| Waverly | ..... | 2.2 | 1.8 | 7.0 | 8.0 | 9.0 | 9.0 | 1.0 | ..... | 38.0 |
| Webster City | ..... | 2.0 | 3.0 | 10.0 | 7.5 | 8.0 | 11.0 | 2.0 | ..... | 43.5 |
| West Bend | ..... | 2.0 | 3.5 | 11.5 | 13.7 | 5.0 | 7.5 | 3.0 | ..... | 46.2 |
| Whitten | ..... | 2.0 | 2.0 | 9.0 | 8.0 | 6.0 | (*) | 3.0 | ..... | ..... |
| Williamsburg | ..... | 3.0 | 0.2 | 3.4 | 4.4 | 1.0 | ..... | 2.5 | ..... | 14.5 |
| Winterset | ..... | 1.0 | 0.8 | 5.8 | (*) | ..... | ..... | 10.0 | 4.0 | ..... |
| *Kansas.* | | | | | | | | | | |
| Burlington | ..... | ..... | ..... | 2.8 | 2.0 | T. | 4.0 | ..... | ..... | 8.8 |
| Colby | ..... | 3.0 | 2.5 | 4.5 | 1.5 | 2.5 | 5.0 | 4.0 | T. | 23.0 |
| Columbus | ..... | T. | T. | 5.6 | 1.2 | 0.2 | 1.6 | ..... | ..... | 8.6 |
| Concordia | ..... | 1.8 | 4.4 | 8.8 | 2.0 | 0.7 | 4.5 | 0.1 | ..... | 22.3 |
| Dodge City | ..... | 0.1 | 0.3 | 3.0 | 2.7 | 0.4 | 3.6 | 0.6 | ..... | 10.7 |
| Ellinwood | ..... | 0.5 | T. | 5.3 | 2.0 | T. | 3.2 | ..... | ..... | 11.0 |
| Emporia | ..... | T. | T. | 4.0 | 2.8 | 0.8 | 2.2 | T. | ..... | 9.8 |
| Garden City | ..... | 1.0 | 1.0 | 6.0 | 3.5 | ..... | 4.7 | 2.0 | 2.0 | 20.2 |
| Grenola | ..... | ..... | T. | 2.0 | 3.0 | T. | T. | T. | ..... | 5.0 |
| Horton | ..... | 0.2 | T. | 0.8 | 0.5 | T. | T. | 1.2 | ..... | 2.7 |
| Hutchinson | ..... | T. | T. | 8.0 | 1.5 | T. | 4.0 | T. | ..... | 13.5 |
| Independence | ..... | T. | 0.2 | 2.3 | 2.8 | 0.1 | 1.7 | ..... | ..... | 7.1 |
| Iola | ..... | T. | T. | 2.5 | 2.5 | 0.7 | 4.5 | T. | ..... | 10.2 |
| Lakin | ..... | T. | T. | 2.5 | 3.0 | T. | T. | T. | ..... | 5.5 |
| Liberal | ..... | T. | T. | 4.2 | 3.0 | 1.5 | 0.5 | 0.5 | ..... | 9.7 |
| McPherson | ..... | T. | ..... | 8.5 | 1.5 | .0 | 3.5 | ..... | ..... | 13.5 |
| Manhattan | ..... | 0.6 | T. | 1.8 | T. | 0.3 | T. | T. | ..... | 2.7 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Kansas*—Continued. | | | | | | | | | | |
| Marion | ..... | T. | T. | 7.5 | 1.5 | T. | 2.5 | T. | ..... | 11.5 |
| Medicine Lodge | ..... | T. | T. | 1.5 | 2.0 | T. | T. | T. | ..... | 3.5 |
| Minneapolis | ..... | 3.0 | 1.0 | 6.0 | 0.5 | 0.2 | 2.2 | T. | ..... | 12.9 |
| Moran | ..... | T. | T. | 8.2 | 2.5 | 0.3 | 5.0 | T. | ..... | 16.0 |
| Oketo | ..... | 3.0 | 1.0 | 5.5 | 0.5 | T. | 5.0 | 0.2 | ..... | 15.2 |
| Phillipsburg | ..... | 2.5 | 0.5 | 5.0 | 4.0 | T. | 1.0 | 0.8 | ..... | 13.8 |
| Rome | ..... | ..... | T. | 4.0 | 3.0 | T. | 0.5 | T. | ..... | 7.5 |
| Richfield | ..... | 1.0 | 0.5 | 3.5 | 4.0 | 2.0 | 2.5 | 1.5 | 2.0 | 17.0 |
| St. Francis | ..... | 3.0 | 6.0 | 1.2 | 7.0 | 9.0 | (*) | 8.5 | ..... | ..... |
| Sedan | ..... | ..... | T. | 1.8 | 2.0 | 0.5 | 2.0 | ..... | ..... | 6.3 |
| Topeka | ..... | 0.1 | T. | 1.9 | 1.2 | T. | 0.4 | T. | ..... | 3.6 |
| Tribune | ..... | 1.0 | 1.0 | 7.0 | 4.0 | 0.5 | 1.2 | 1.4 | 8.0 | 24.1 |
| Wakeeney | ..... | T. | T. | 5.0 | 3.0 | T. | T. | 3.0 | ..... | 11.0 |
| Wichita | ..... | ..... | T. | 1.2 | 3.7 | T. | 1.0 | T. | ..... | 5.9 |
| *Kentucky.* | | | | | | | | | | |
| Alpha | ..... | ..... | T. | 19.0 | 7.7 | 4.5 | 6.6 | ..... | ..... | 37.8 |
| Anchorage | ..... | ..... | T. | 12.5 | 10.5 | 13.5 | 8.0 | 2.0 | ..... | 46.5 |
| Bardstown | ..... | ..... | T. | 15.2 | 17.2 | 9.2 | 10.5 | ..... | ..... | 52.1 |
| Beattyville | ..... | ..... | T. | 13.4 | 13.5 | 4.5 | 8.0 | T. | ..... | 39.4 |
| Beaver Dam | ..... | ..... | T. | 8.0 | 10.0 | 3.0 | 14.0 | ..... | ..... | 35.0 |
| Berea | ..... | ..... | ..... | 14.7 | 18.0 | 5.0 | 13.2 | ..... | ..... | 50.9 |
| Blandville | ..... | T. | ..... | 4.5 | 8.0 | 0.7 | 11.0 | T. | ..... | 24.2 |
| Bowling Green | ..... | ..... | ..... | 15.0 | 14.0 | T. | 8.0 | T. | ..... | 37.0 |
| Brownsville | ..... | ..... | ..... | (*) | (*) | 2.0 | 7.8 | ..... | ..... | ..... |
| Burnside | ..... | ..... | ..... | 2.0 | 11.0 | 0.5 | 7.0 | ..... | ..... | 20.5 |
| Calhoun | ..... | T. | T. | 11.0 | 12.0 | 4.1 | 14.0 | T. | ..... | 41.1 |
| Catlettsburg | ..... | ..... | T. | 10.0 | 15.4 | 6.2 | 9.0 | ..... | ..... | 40.6 |
| Cloverport | ..... | ..... | 0.1 | 8.2 | 6.2 | 6.9 | 8.0 | ..... | ..... | 29.4 |
| Earlington | ..... | ..... | T. | 8.0 | 7.0 | 2.5 | 8.5 | ..... | ..... | 26.0 |
| Edmonton | ..... | ..... | ..... | 13.5 | 12.0 | 0.4 | 9.5 | ..... | ..... | 35.4 |
| Eubank | ..... | ..... | ..... | 6.8 | 11.0 | 1.9 | 9.5 | ..... | ..... | 29.2 |
| Falmouth | ..... | ..... | T. | 14.0 | 8.0 | 9.0 | 4.5 | T. | ..... | 35.5 |
| Farmers | ..... | ..... | T. | (*) | 17.5 | 7.5 | 13.0 | ..... | ..... | ..... |
| Frankfort | ..... | ..... | T. | 13.0 | 13.2 | 7.7 | 8.0 | 0.2 | ..... | 42.1 |
| Franklin | ..... | ..... | T. | 11.0 | 11.0 | 1.0 | 6.0 | ..... | ..... | 29.0 |
| Greensburg | ..... | ..... | ..... | 12.5 | 20.0 | 1.0 | 7.0 | T. | ..... | 40.5 |
| Greenville | ..... | ..... | ..... | 9.0 | 10.5 | 2.6 | 8.0 | ..... | ..... | 30.1 |
| High Bridge | ..... | ..... | ..... | 6.4 | 18.5 | 3.2 | 6.0 | ..... | ..... | 34.1 |
| Hopkinsville | ..... | ..... | ..... | 13.0 | 12.0 | 1.8 | 6.0 | ..... | ..... | 32.8 |
| Irvington | ..... | T. | T. | 9.5 | 7.5 | 7.5 | 10.2 | T. | ..... | 34.7 |
| Jackson | ..... | ..... | ..... | 11.2 | 12.8 | 6.7 | (*) | ..... | ..... | ..... |
| Junction City | ..... | ..... | ..... | 13.5 | 21.0 | 6.0 | 11.0 | T. | ..... | 51.5 |
| Leitchfield | ..... | T. | ..... | 11.5 | 13.6 | 3.4 | 8.7 | ..... | ..... | 37.2 |
| Lexington | ..... | T. | T. | 12.5 | 16.8 | 7.4 | 15.9 | 0.4 | ..... | 53.0 |
| London | ..... | ..... | ..... | 7.5 | (*) | 1.0 | 5.0 | ..... | ..... | ..... |
| Loretto | ..... | ..... | T. | 14.0 | 18.0 | 7.0 | 12.0 | T. | ..... | 51.0 |
| Louisville (No. 1) | ..... | ..... | T. | 9.7 | 9.9 | 12.1 | 7.5 | 3.2 | ..... | 42.4 |
| Louisville (No. 2) | ..... | ..... | 0.1 | 13.5 | 9.0 | 10.0 | 5.7 | 3.0 | ..... | 41.3 |
| Louisa | ..... | ..... | (*) | (*) | (*) | 3.8 | 4.0 | ..... | ..... | ..... |
| Manchester | ..... | ..... | ..... | 10.0 | 7.0 | 2.0 | 3.5 | ..... | ..... | 22.5 |
| Marion | ..... | T. | T. | 7.0 | 10.0 | T. | (*) | ..... | ..... | ..... |
| Mayfield | ..... | ..... | ..... | 6.2 | 9.5 | (*) | 2.5 | ..... | ..... | ..... |
| Maysville | ..... | ..... | T. | 11.5 | 14.0 | 8.7 | 13.9 | 1.0 | ..... | 49.1 |
| Middlesboro | ..... | ..... | ..... | 9.0 | (*) | 1.0 | (*) | ..... | ..... | ..... |
| Mt. Sterling | ..... | ..... | ..... | 6.2 | 23.0 | 10.5 | 14.5 | 0.5 | ..... | 54.7 |
| Owensboro | ..... | T. | T. | 8.0 | 8.0 | 4.5 | 3.0 | ..... | ..... | 23.5 |
| Paducah | ..... | ..... | ..... | 6.4 | 8.6 | T. | 2.9 | ..... | ..... | 17.9 |
| Pikeville | ..... | ..... | ..... | 10.0 | 4.0 | 5.0 | 2.0 | ..... | ..... | 21.0 |
| Princeton | ..... | ..... | T. | (*) | 10.0 | T. | 9.0 | ..... | ..... | ..... |
| Richmond | ..... | ..... | ..... | 8.5 | 21.1 | 7.9 | 12.5 | ..... | ..... | 50.0 |
| Russellville | ..... | ..... | ..... | 11.5 | 11.0 | (*) | 5.5 | ..... | ..... | ..... |
| St. John | ..... | T. | 0.2 | 14.5 | 13.3 | 5.0 | 7.0 | T. | ..... | 40.0 |
| Scott | ..... | ..... | 0.5 | 5.6 | 9.5 | 6.3 | 4.4 | 1.5 | ..... | 27.8 |
| Shelbyville | ..... | ..... | 0.3 | 9.7 | 9.8 | 16.2 | 10.9 | 0.6 | ..... | 47.5 |
| Taylorsville | ..... | T. | 0.2 | 14.2 | 14.2 | 7.7 | 10.2 | 0.2 | ..... | 46.7 |
| Weeksbury | ..... | ..... | ..... | 11.1 | 3.5 | 5.0 | (*) | ..... | ..... | ..... |
| Williamsburg | ..... | ..... | T. | 7.0 | 15.0 | 1.0 | 1.0 | ..... | ..... | 24.0 |
| Williamstown | ..... | T. | T. | 9.0 | 8.6 | 9.5 | 7.7 | 1.5 | ..... | 36.3 |
| Woodbury | ..... | ..... | ..... | (*) | (*) | T. | 5.0 | T. | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Louisiana.* | | | | | | | | | | |
| Alexandria | | | | | | | T. | | | T. |
| Calhoun | | | | | | | 0.4 | | | 0.4 |
| Clinton | | | | | | | T. | | | T. |
| Collinston | | | T. | | 2.0 | | T. | | | 2.0 |
| Dodson | | | | | | | 0.7 | | | 0.7 |
| Liberty Hill | | | T. | | 3.0 | | 1.1 | | | 4.1 |
| Logansport | | | | | T. | | T. | | | T. |
| Minden | | | T. | | T. | | 0.2 | | | 0.2 |
| Monroe | | | T. | | | | 1.5 | | | 1.5 |
| Newellton | | | | | | | T. | | | T. |
| Plain Dealing | | | T. | | 2.0 | | 2.0 | | | 4.0 |
| Richland Plantation | | | | | | | T. | | | T. |
| Ruston | | | | | T. | | T. | | | T. |
| Shreveport | | | | | | | 0.5 | | | 0.5 |
| Tallulah | | | | | | | 0.2 | | | 0.2 |
| *Maine.* | | | | | | | | | | |
| Bar Harbor | (*) | (*) | (*) | (*) | 11.8 | 22.0 | 10.0 | 7.5 | (*) | |
| Cornish | | | 10.0 | 28.5 | 24.5 | 15.0 | 24.5 | 0.5 | 4.5 | 107.5 |
| Eastport | | | 10.7 | 18.9 | 19.6 | 21.2 | 14.9 | 17.5 | 1.2 | 104.0 |
| Fairfield | | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Farmington | | | 11.5 | 25.0 | 25.0 | 18.0 | 18.0 | T. | 6.0 | 103.5 |
| Gardiner | | | 10.0 | 25.5 | 20.0 | 22.0 | 20.5 | 1.5 | 5.5 | 105.0 |
| Greenville | | 0.5 | 9.7 | 36.1 | 39.5 | 19.0 | 17.3 | 10.4 | 6.0 | 138.5 |
| Houlton | | | 9.0 | 32.0 | 23.5 | 15.0 | 17.0 | 12.0 | 8.0 | 116.5 |
| Langtown | | | 15.0 | 30.2 | 23.5 | 14.0 | 18.8 | 4.2 | (*) | |
| Lewiston | | | 11.4 | 26.6 | 24.6 | 21.0 | 26.2 | 0.2 | 3.5 | 113.5 |
| Madison | | | (*) | 21.2 | 25.0 | 17.0 | 15.0 | (*) | (*) | |
| Millinocket | | | 8.6 | 24.5 | 32.0 | 26.8 | 20.8 | 6.8 | 7.0 | 126.5 |
| North Bridgton | | T. | 11.0 | 26.0 | 37.0 | 22.0 | 26.0 | T. | 6.0 | 128.0 |
| Orono | | | 11.0 | 35.0 | 24.0 | 31.5 | 13.0 | 12.0 | 3.0 | 129.5 |
| Patten | | 0.5 | 8.0 | 37.0 | 14.0 | 18.0 | 20.0 | 10.0 | 6.0 | 113.5 |
| Portland | | | 6.1 | 24.5 | 24.2 | 17.3 | 15.5 | 1.8 | T. | 89.4 |
| Presque Isle | (*) | T. | 11.5 | 38.0 | 36.5 | 22.0 | 16.0 | 12.0 | 10.0 | |
| Rumford | | T. | 6.6 | 27.0 | 27.0 | 11.0 | 19.5 | 1.2 | 5.8 | 98.1 |
| Van Buren | | T. | 10.5 | 25.1 | 28.3 | 16.0 | 19.5 | 7.2 | 7.0 | 113.6 |
| Winslow | | | 11.0 | 21.5 | 19.0 | 19.5 | 12.5 | 1.0 | 2.0 | 86.5 |
| *Maryland.* | | | | | | | | | | |
| Annapolis | | | T. | 12.0 | 1.2 | 0.5 | (*) | )*) | | |
| Baltimore | | | T. | 10.0 | 5.9 | 6.6 | 1.5 | 3.0 | | 27.0 |
| Baltimore (Lake Montebello) | | | T. | 9.0 | (*) | (*) | (*) | (*) | | |
| Cambridge | | | T. | 9.0 | T. | T. | 2.0 | (*) | | |
| Cheltenham | | | T. | 12.0 | T. | (*) | (*) | (*) | | |
| Chewsville | | | T. | 6.5 | 7.0 | 10.5 | 12.8 | 6.0 | | 42.8 |
| Clear Spring | | | | 5.9 | 5.5 | 10.0 | 26.7 | 4.0 | | 52.1 |
| Coleman | | | T. | 11.0 | 3.1 | (*) | (*) | 5.7 | | |
| College Park | | | T. | 8.5 | 3.5 | 2.0 | 3.5 | 3.0 | | 20.5 |
| Cumberland | | | T. | 5.0 | 8.0 | 11.2 | 27.0 | (*) | | |
| Darlington | | | T. | 11.5 | 3.5 | 8.0 | 9.5 | 5.0 | | 37.5 |
| Deer Park | | T. | 2.2 | 14.3 | 11.6 | 27.0 | 21.8 | 11.0 | T. | 87.9 |
| Denton | | | T. | 11.2 | T. | T. | T. | 4.0 | | 15.2 |
| Easton | | | T. | 7.5 | 0.4 | 1.2 | 1.0 | 1.0 | | 11.1 |
| Eklo | | | T. | 10.5 | 4.5 | 8.6 | 14.4 | 6.5 | | 44.5 |
| Emmitsburg | | | T. | 7.0 | 5.5 | 9.0 | 11.5 | 4.0 | | 37.0 |
| Fallston | | | T. | 12.5 | 5.5 | 7.7 | 9.0 | 6.0 | | 40.7 |
| Ferry Landing | (*) | (*) | (*) | (*) | T. | 0.2 | T. | 2.5 | | |
| Frederick | | | T. | 12.0 | 8.0 | 8.9 | 12.9 | 7.2 | | 49.0 |
| Frostburg | | | T. | 9.0 | 14.0 | 16.5 | 40.0 | 4.5 | T. | 84.0 |
| Grantsville | | | 1.0 | 8.3 | 7.8 | 18.8 | 22.0 | 5.0 | T. | 62.9 |
| Great Falls | | | T. | 8.6 | 4.0 | 5.3 | 2.0 | 4.0 | | 23.9 |
| Green Spring Furnace | | | | 7.9 | 1.0 | (*) | (*) | (*) | | |
| Keedysville | | | | 7.0 | 7.0 | 9.0 | 16.0 | 3.0 | | 42.0 |
| Laurel | | | T. | 10.0 | 5.0 | 5.0 | 9.5 | 6.0 | | 35.5 |
| Leonardtown | | | T. | 7.2 | 0.5 | 1.0 | (*) | T. | | |
| Monrovia | | | 0.6 | 12.1 | 5.6 | 7.9 | 8.5 | 3.0 | | 37.7 |
| Oakland | | | 0.5 | 12.2 | 7.6 | 18.6 | 20.0 | 10.0 | 2.5 | 71.4 |
| Princess Anne | | | T. | 6.0 | T. | T. | T. | T. | | 6.0 |
| Public Landing | | | | 6.1 | 1.3 | T. | T. | T. | | 7.4 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Maryland*—Continued. | | | | | | | | | | |
| Salisbury | ..... | ..... | T. | 8.0 | 0.5 | 1.0 | T. | T. | ..... | 9.5 |
| Solomons | ..... | ..... | T. | 11.0 | 0.2 | 0.5 | 1.7 | 0.2 | ..... | 13.6 |
| State Sanatorium | ..... | ..... | ..... | 12.5 | (*) | 13.0 | 14.0 | 4.0 | ..... | ..... |
| Sudlersville | ..... | ..... | T. | 15.0 | 3.5 | 4.0 | 0.5 | 4.5 | ..... | 27.5 |
| Takoma | ..... | ..... | T. | 12.0 | 6.6 | 6.5 | (*) | 4.0 | ..... | ..... |
| Towson | ..... | ..... | 0.5 | 15.6 | 5.3 | 9.0 | 13.2 | 5.3 | ..... | 48.9 |
| Union Bridge | ..... | ..... | T. | 7.5 | 6.0 | 9.0 | 8.5 | 7.0 | ..... | 38.0 |
| Van Bibber | ..... | ..... | ..... | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Westernport | ..... | ..... | ..... | 3.4 | 2.7 | 9.7 | 22.7 | 1.2 | ..... | 39.7 |
| Woodstock | ..... | ..... | 0.5 | 7.8 | 5.4 | 10.9 | 9.0 | 4.0 | ..... | 37.6 |
| Yarrow (Rockville) | ..... | ..... | T. | 9.5 | 4.0 | 4.0 | 2.5 | 4.0 | ..... | 24.0 |
| *Massachusetts.* | | | | | | | | | | |
| Amherst | ..... | ..... | 1.5 | 9.5 | 15.0 | 11.0 | 17.0 | T. | T. | 54.0 |
| Blue Hill | ..... | ..... | 1.1 | 10.9 | 14.9 | 11.7 | 20.5 | 12.2 | 3.0 | 74.3 |
| Boston | ..... | ..... | 0.7 | 9.5 | 13.6 | 8.4 | 12.9 | 9.1 | T. | 54.2 |
| Chestnut Hill | ..... | ..... | 1.0 | 9.0 | 10.5 | 7.8 | 11.2 | 6.2 | (*) | ..... |
| Clinton | ..... | ..... | 2.8 | 10.5 | 13.5 | 14.9 | 12.1 | T. | T. | 53.8 |
| Concord | ..... | (*) | 1.3 | 9.0 | 10.8 | 14.6 | 12.7 | 2.7 | 0.3 | 51.4 |
| Fall River | ..... | ..... | 1.2 | 13.0 | 12.2 | 6.2 | 16.0 | 10.0 | 0.2 | 58.8 |
| Fitchburg | ..... | ..... | 3.0 | 14.5 | 14.0 | 16.5 | 12.5 | 2.0 | T. | 62.5 |
| Framingham | ..... | ..... | 1.5 | 9.8 | 8.0 | 11.2 | 14.0 | 3.2 | (*) | ..... |
| Lawrence | ..... | ..... | 2.0 | 12.0 | 13.0 | 3.5 | 14.5 | 2.0 | (*) | ..... |
| Lowell | ..... | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Nantucket | ..... | ..... | T. | 5.4 | 6.6 | 7.1 | 13.6 | 5.0 | T. | 37.7 |
| New Bedford | ..... | (*) | T. | (*) | 6.4 | (*) | (*) | 12.0 | (*) | ..... |
| Plymouth | ..... | ..... | 0.5 | 10.0 | 16.0 | 5.0 | 24.0 | 12.5 | 0.5 | 68.5 |
| Provincetown | ..... | ..... | T. | 6.0 | 6.0 | 3.5 | 14.0 | 12.0 | (*) | ..... |
| Rockport | ..... | ..... | 0.8 | 8.0 | 11.3 | 8.0 | 15.2 | 9.0 | (*) | ..... |
| Rutland | ..... | ..... | 2.4 | 13.6 | 10.3 | 19.2 | 11.3 | 1.1 | 5.2 | 63.1 |
| Springfield | ..... | ..... | 1.0 | 11.1 | 14.4 | 13.0 | 15.3 | (*) | T. | ..... |
| Turners Falls | ..... | ..... | (*) | 9.5 | 13.8 | 11.5 | (*) | (*) | T. | ..... |
| Westboro | ..... | ..... | 3.0 | 10.5 | 12.5 | (*) | 11.5 | 1.8 | 1.0 | ..... |
| Williamstown | ..... | ..... | 6.3 | 21.0 | 15.4 | 9.8 | 8.5 | T. | T. | 61.0 |
| Worcester | ..... | ..... | 1.5 | 11.6 | 15.8 | 21.8 | 14.4 | 2.4 | (*) | ..... |
| *Michigan.* | | | | | | | | | | |
| Adrain | (*) | (*) | T. | 42.0 | 2.5 | 2.2 | 0.9 | ..... | T. | ..... |
| Albion | ..... | T. | 1.5 | 7.1 | 7.2 | 4.4 | 0.8 | ..... | T. | 21.0 |
| Allegan (No. 1) | ..... | ..... | 6.0 | 14.0 | 10.0 | 19.0 | 8.0 | ..... | ..... | 57.0 |
| Allegan (No. 2) | ..... | ..... | 4.6 | 10.6 | 9.7 | 13.9 | 4.0 | T. | (*) | ..... |
| Alma | T. | T. | 4.0 | 15.0 | 16.0 | 6.5 | 6.0 | 1.0 | T. | 48.5 |
| Alpena | T. | T. | 7.3 | 14.9 | 18.7 | 11.7 | 6.8 | 6.3 | 5.7 | 71.4 |
| Alpena (near) | (*) | (*) | 7.0 | 9.0 | 24.0 | 12.0 | 4.5 | 3.0 | 4.0 | ..... |
| Ann Arbor | ..... | ..... | 2.8 | 10.0 | 6.5 | 5.0 | 1.6 | T. | ..... | 25.9 |
| Ann Arbor (near) | (*) | (*) | (*) | 3.3 | 4.5 | 4.0 | T. | T. | ..... | ..... |
| Arbela | ..... | ..... | 1.5 | 7.5 | 8.5 | 3.0 | 4.0 | (*) | T. | ..... |
| Armada | ..... | T. | 1.0 | 8.1 | 7.8 | 3.1 | 2.1 | 1.2 | T. | 23.3 |
| Baraga | (*) | 2.0 | (*) | (*) | (*) | 5.0 | (*) | (*) | (*) | ..... |
| Battle Creek (No. 1) | ..... | 0.5 | 4.0 | 10.0 | 5.5 | 5.5 | 3.0 | T. | T. | 28.5 |
| Battle Creek (No. 2) | ..... | ..... | 2.0 | 6.9 | 6.0 | 6.0 | 1.5 | ..... | ..... | 22.4 |
| Bay City | ..... | ..... | 5.0 | 4.0 | 5.0 | 5.1 | 0.3 | T. | T. | 19.4 |
| Benzonia | T. | ..... | 20.8 | 36.2 | 35.8 | 27.2 | 7.3 | 2.9 | 5.5 | 135.7 |
| Bergland | T. | 6.0 | 14.0 | 20.6 | 7.8 | 5.0 | 32.3 | 7.0 | 5.0 | 97.7 |
| Bloomingdale | ..... | T. | 11.0 | 9.0 | 5.0 | 8.5 | T. | T. | T. | 33.5 |
| Cadillac | T. | T. | 10.0 | 13.0 | 17.0 | 6.0 | 8.5 | 7.5 | 6.0 | 68.0 |
| Calumet | T. | 5.0 | 8.0 | 43.9 | 19.1 | 12.9 | 27.0 | 4.0 | T. | 119.9 |
| Cassopolis | ..... | T. | 0.1 | 12.6 | 6.5 | 3.8 | T. | ..... | ..... | 23.0 |
| Ceresco | ..... | ..... | 1.8 | 2.9 | 10.7 | 5.0 | 0.5 | T. | T. | 20.9 |
| Charlevoix | ..... | ..... | 17.0 | 14.0 | (*) | (*) | 3.0 | 3.0 | 5.0 | ..... |
| Charlotte | ..... | T. | 0.7 | 8.0 | (*) | 3.0 | (*) | ..... | ..... | ..... |
| Chatham | ..... | 4.0 | (*) | (*) | 16.5 | 17.5 | 28.2 | 6.0 | 14.0 | ..... |
| Cheboygan | T. | T. | 9.0 | 14.1 | 14.6 | 7.5 | 12.0 | 5.0 | 7.3 | 69.5 |
| Coldwater | ..... | 0.5 | 0.7 | 5.5 | 5.5 | 4.3 | 7.4 | T. | ..... | 23.9 |
| Cooke Site | ..... | ..... | 6.0 | 10.7 | 15.0 | 6.5 | 3.6 | 2.0 | T. | 43.8 |
| Croton | ..... | ..... | 2.5 | 13.0 | 8.0 | 3.0 | 1.0 | T. | T. | 27.5 |
| Deer Park | T. | T. | 3.4 | 21.0 | 20.0 | 13.5 | (*) | T. | 4.0 | ..... |
| Detroit | ..... | T. | 0.5 | 11.3 | 13.8 | 5.5 | 3.1 | T. | T. | 34.2 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Michigan*—Continued. | | | | | | | | | | |
| Durand | ..... | ..... | T. | 10.0 | (*) | (*) | T. | T. | 0.5 | ..... |
| Eagle Harbor | ..... | T. | 3.0 | 49.0 | 9.0 | 14.3 | 29.0 | 1.7 | T. | 106.0 |
| East Tawas | ..... | ..... | 2.0 | 10.0 | 6.2 | 9.2 | 1.3 | T. | T. | 28.7 |
| Eloise | ..... | ..... | T. | 7.5 | 8.0 | 3.0 | 2.0 | T. | ..... | 20.5 |
| Escanaba | ..... | T. | 1.5 | 7.4 | 19.1 | 10.1 | 22.8 | 6.6 | T. | 67.5 |
| Ewen | T. | 6.5 | 15.0 | 21.0 | 18.5 | 15.5 | 47.5 | 8.0 | 5.0 | 137.0 |
| Five Channels | ..... | ..... | 8.0 | 11.0 | 16.0 | 9.5 | 7.2 | 5.5 | T. | 57.2 |
| Flint | ..... | ..... | 0.5 | 6.0 | 8.0 | 5.5 | 2.5 | 1.0 | 1.0 | 24.5 |
| Frankfort | ..... | T. | 13.6 | 23.8 | 20.0 | 15.9 | 7.8 | 1.2 | T. | 82.3 |
| Ganges | ..... | T. | 1.5 | 6.0 | 4.0 | 6.5 | T. | T. | ..... | 18.0 |
| Gaylord | ..... | (*) | (*) | (*) | 27.0 | (*) | (*) | (*) | 3.4 | ..... |
| Grand Haven | ..... | ..... | 1.4 | 21.4 | 12.6 | 15.4 | 1.7 | T. | T. | 52.5 |
| Grand Ledge | ..... | ..... | 0.5 | (*) | 8.7 | 3.2 | 0.3 | T. | ..... | ..... |
| Grand Marais | T. | 0.5 | 9.0 | 32.5 | 32.0 | 19.5 | 23.0 | 3.0 | 3.5 | 123.0 |
| Grand Rapids (1) | ..... | T. | 1.0 | 23.1 | 16.1 | 8.4 | 3.2 | 0.1 | T. | 51.9 |
| Grand Rapids (2) | ..... | ..... | 2.0 | 15.7 | 14.2 | 12.0 | 1.4 | ..... | ..... | 45.3 |
| Grape | ..... | (*) | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Greenville | ..... | (*) | 2.0 | 10.0 | 9.0 | 3.5 | (*) | (*) | (*) | ..... |
| Hamburg | (*) | (*) | 0.5 | 8.3 | 8.0 | 6.0 | T. | T. | T. | ..... |
| Harbor Beach | ..... | ..... | (*) | (*) | 10.4 | (*) | 2.6 | ..... | T. | ..... |
| Harrison | T. | ..... | 11.5 | (*) | 14.0 | 11.0 | (*) | 5.8 | ..... | ..... |
| Harrisville | ..... | (*) | 6.0 | 11.0 | 19.0 | 7.0 | 3.0 | T. | T. | ..... |
| Hart | T. | ..... | 4.0 | 27.5 | 4.0 | 13.5 | 1.0 | T. | T. | 50.0 |
| Hastings | ..... | ..... | (*) | 9.7 | 4.4 | 3.2 | 4.7 | T. | ..... | ..... |
| Highland | ..... | T. | (*) | 9.2 | 14.0 | 5.0 | 4.0 | 1.0 | 1.0 | ..... |
| Hillsdale | ..... | 1.5 | 1.9 | 7.0 | 8.6 | 3.7 | 9.2 | T. | T. | 31.9 |
| Holland | ..... | ..... | 3.0 | 19.5 | 8.5 | 20.0 | 1.8 | T. | ..... | 52.8 |
| Houghton | 0.3 | 7.2 | 10.7 | 21.6 | 14.0 | 13.3 | 32.1 | 5.6 | 2.7 | 107.5 |
| Houghton Lake (near) | (*) | T. | (*) | 7.5 | 8.4 | 4.6 | (*) | 2.2 | 1.3 | ..... |
| Howard City | ..... | T. | 4.5 | 9.5 | 15.0 | 6.0 | 3.2 | T. | T. | 38.2 |
| Howell | ..... | 0.1 | 0.3 | 5.4 | 6.5 | 2.1 | 2.1 | 0.2 | 0.6 | 17.3 |
| Humboldt | T. | 9.0 | 10.0 | 15.5 | (*) | 9.0 | 23.0 | 11.0 | 3.0 | ..... |
| Iron Mountain | ..... | 3.0 | 4.5 | 5.2 | 8.4 | 7.5 | 20.7 | 5.7 | 0.5 | 55.5 |
| Iron River | T. | T. | 3.0 | 11.0 | 14.0 | 14.0 | 39.0 | 7.5 | 4.0 | 92.5 |
| Ironwood | T. | 3.0 | 14.0 | 17.0 | 11.0 | 15.0 | 52.0 | 10.0 | 4.0 | 126.0 |
| Ishpeming | T. | 17.3 | 6.3 | 20.4 | 9.4 | 15.9 | 29.3 | 13.8 | 7.1 | 119.5 |
| Ivan | T. | T. | 7.5 | 7.5 | 10.0 | 7.5 | 4.0 | 5.5 | 5.5 | 47.5 |
| Jackson (No. 1) | ..... | ..... | 2.3 | 15.5 | 5.3 | 5.4 | 2.8 | ..... | ..... | 31.3 |
| Jackson (No. 2) | ..... | ..... | 0.2 | 24.0 | 3.1 | (*) | 0.3 | 0.2 | T. | ..... |
| Jeddo | ..... | ..... | 0.5 | 8.2 | 7.8 | 5.7 | 6.5 | 2.0 | T. | 30.7 |
| Johannesburg | ..... | T. | 7.7 | 7.0 | 7.5 | 7.5 | 3.4 | 8.0 | 6.0 | 47.1 |
| Kalamazoo (No. 1) | ..... | 0.5 | 19.0 | 28.5 | 11.5 | 8.5 | 12.5 | T. | ..... | 80.5 |
| Kalamazoo (No. 2) | ..... | T. | 3.7 | 7.7 | 6.9 | 5.2 | 8.5 | T. | ..... | 32.0 |
| Lansing | ..... | 0.3 | 0.4 | 11.5 | 13.0 | 5.5 | 3.6 | 1.3 | ..... | 35.6 |
| Lapeer | ..... | T. | 1.0 | 7.0 | 8.0 | 3.5 | 3.0 | 0.5 | ..... | 23.0 |
| Loud | ..... | ..... | 7.0 | 10.0 | 15.0 | 4.0 | 3.0 | 0.7 | T. | 39.7 |
| Lowell | ..... | ..... | 1.1 | 11.5 | 9.0 | 4.3 | 2.0 | ..... | ..... | 27.9 |
| Ludington | ..... | T. | 12.7 | 36.2 | 19.8 | 16.3 | 3.2 | 0.4 | 1.2 | 89.8 |
| Luther | ..... | T. | 10.6 | 12.2 | 14.3 | 9.8 | 9.5 | T. | 1.0 | 57.4 |
| Mackinac Island | ..... | (*) | (*) | 12.0 | 36.5 | 27.0 | 16.0 | 1.0 | 17.0 | ..... |
| Mackinaw | ..... | T. | 10.5 | 34.0 | 34.0 | (*) | 17.0 | (*) | 4.0 | ..... |
| Mancelona | T. | 4.0 | 22.0 | 22.0 | (*) | 11.0 | 8.0 | 4.0 | 14.0 | ..... |
| Manistee | ..... | (*) | 5.0 | (*) | (*) | (*) | 5.0 | (*) | ..... | ..... |
| Maple Ridge | ..... | 0.3 | 4.0 | 9.0 | 7.0 | 7.0 | 18.0 | 6.0 | ..... | 51.3 |
| Marquette | T. | 2.5 | 11.1 | 30.8 | 13.1 | 17.4 | 30.5 | 10.7 | 6.2 | 122.3 |
| Menominee | ..... | T. | 5.0 | 9.2 | 23.0 | 5.5 | 7.5 | 4.5 | ..... | 54.7 |
| Midland | (*) | (*) | 8.0 | 6.5 | 9.5 | 8.0 | (*) | 0.5 | T. | ..... |
| Mio | (*) | (*) | (*) | (*) | (*) | 8.5 | 5.5 | (*) | 5.5 | ..... |
| Monroe | (*) | (*) | (*) | (*) | (*) | (*) | 2.5 | T. | ..... | ..... |
| Morenci | ..... | T. | T. | 10.5 | 8.0 | 4.5 | 7.0 | T. | T. | 30.0 |
| Mount Clemens | ..... | T. | T. | 5.7 | 9.0 | 5.5 | 3.5 | T. | T. | 23.7 |
| Mount Pleasant | ..... | (*) | 3.0 | 10.0 | 12.5 | 1.5 | 3.5 | T. | 0.5 | ..... |
| Munising | T. | 1.2 | 27.5 | 39.5 | 32.7 | 25.0 | 27.0 | 9.2 | 13.0 | 175.1 |
| Muskegon | ..... | ..... | T. | 35.0 | 27.0 | 6.1 | T. | T. | ..... | 68.1 |
| Newberry | T. | 3.4 | 10.9 | 17.6 | 14.5 | 15.2 | 20.0 | 4.6 | 11.9 | 98.1 |
| Old Mission | ..... | T. | 8.5 | 10.4 | 9.8 | 10.1 | 3.0 | 2.0 | 4.0 | 47.8 |
| Olivet | ..... | ..... | T. | 6.5 | 11.6 | 2.5 | 2.5 | ..... | ..... | 23.1 |
| Omer | (*) | (*) | (*) | (*) | (*) | (*) | 4.0 | 1.0 | 0.3 | ..... |
| Onaway (near) | ..... | T. | 9.2 | 12.9 | 19.8 | 12.9 | 7.8 | 6.5 | 8.0 | 77.1 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Michigan*—Continued. | | | | | | | | | | |
| Otsego | ..... | T. | 2.0 | 15.3 | 15.4 | 14.7 | 5.0 | T. | ..... | 52.4 |
| Petoskey | T. | T. | 33.5 | 45.0 | 37.0 | 16.5 | 14.0 | 6.0 | 11.5 | 163.5 |
| Plainwell | ..... | ..... | 4.2 | 10.2 | 11.2 | 10.0 | 4.6 | T. | ..... | 40.2 |
| Plymouth | ..... | ..... | T. | (*) | 7.0 | 4.7 | 1.0 | ..... | ..... | ..... |
| Pontiac | T. | T. | T. | 7.5 | 10.0 | 5.0 | 7.0 | 2.0 | T. | 31.5 |
| Port Austin | ..... | ..... | 8.0 | 8.0 | 13.0 | 7.0 | 2.0 | 2.0 | T. | 40.0 |
| Port Huron | ..... | ..... | 0.4 | 7.9 | 14.1 | 7.9 | 5.0 | 1.2 | T. | 36.5 |
| Powers | (*) | 2.0 | 4.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Reed City | (*) | T. | 9.2 | 7.6 | 5.8 | 1.7 | 5.2 | T. | T. | ..... |
| Rogers | ..... | (*) | 3.0 | 9.0 | 7.0 | 6.5 | 3.0 | T. | ..... | ..... |
| Roscommon | ..... | T. | 15.0 | 11.0 | 11.0 | 6.0 | 7.0 | 0.9 | 11.3 | 62.2 |
| Saginaw (No. 1) | ..... | T. | 1.3 | 7.5 | 9.5 | 3.7 | 1.3 | 0.6 | T. | 23.9 |
| Saginaw (No. 2) | ..... | ..... | T. | 4.5 | 12.5 | 3.5 | 2.0 | 0.4 | T. | 22.9 |
| Saint Ignace | ..... | T. | 5.0 | 7.4 | 18.2 | 11.7 | 9.9 | 1.0 | (*) | ..... |
| Saint James | ..... | T. | 3.5 | 15.0 | 4.0 | 14.5 | 9.0 | 3.0 | 2.0 | 51.0 |
| Saint Joseph | ..... | ..... | 1.5 | 28.5 | 4.7 | 14.3 | 1.5 | ..... | ..... | 50.5 |
| Sandusky | ..... | T. | (*) | 5.0 | 7.6 | 4.5 | 3.0 | 3.0 | T. | ..... |
| Saranac | ..... | ..... | ..... | (*) | (*) | 7.5 | 1.5 | ..... | ..... | ..... |
| Sault Ste. Marie | ..... | 5.9 | 14.6 | 25.9 | 16.0 | 18.3 | 20.0 | 1.6 | 3.7 | 106.0 |
| Seney | ..... | 3.0 | 11.5 | 23.0 | 11.0 | 13.0 | 19.0 | 5.0 | 6.0 | 91.5 |
| Sidnaw | T. | 5.0 | 7.0 | 7.1 | 3.0 | 12.3 | 11.4 | 4.0 | 4.0 | 53.8 |
| South Haven | ..... | T. | 1.1 | 11.7 | 10.1 | 13.1 | 3.5 | T. | ..... | 39.5 |
| Stronach | ..... | ..... | 15.0 | 18.0 | 11.0 | 12.0 | 10.0 | 2.5 | ..... | 68.5 |
| Traverse City | ..... | T. | 13.0 | 12.0 | 15.5 | 16.0 | (*) | 2.0 | T. | ..... |
| Trowbridge | ..... | ..... | 5.0 | 11.5 | 8.5 | 17.4 | 8.0 | T. | T. | 50.4 |
| Vassar | ..... | ..... | 1.0 | 7.0 | 9.0 | (*) | (*) | (*) | ..... | ..... |
| Victoria | T. | 4.0 | 6.5 | 23.0 | (*) | (*) | (*) | 3.0 | 5.0 | ..... |
| Wasepi | ..... | 1.0 | 1.0 | 9.5 | 8.0 | 5.0 | 2.0 | T. | ..... | 26.5 |
| Watersmeet | (*) | (*) | (*) | (*) | (*) | (*) | 17.7 | 3.0 | (*) | ..... |
| Webber Dam | ..... | ..... | T. | 8.0 | 7.3 | 5.2 | 1.2 | T. | ..... | 21.7 |
| Wellston | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 2.1 | T. | ..... |
| West Branch (near) | T. | T. | 10.0 | 15.4 | 12.0 | 6.0 | 7.5 | 3.5 | 1.0 | 55.4 |
| Whitefish Point | T. | T. | 7.8 | 37.3 | 26.1 | 19.0 | 24.0 | 3.5 | 8.0 | 125.7 |
| Ypsilanti | ..... | ..... | 0.8 | 8.5 | 11.0 | 6.0 | 1.5 | T. | ..... | 27.8 |
| *Minnesota.* | | | | | | | | | | |
| Ada | ..... | T. | 0.2 | 12.9 | 1.9 | 6.9 | .5 | (*) | ..... | ..... |
| Albert Lea | T. | 4.0 | 4.0 | 13.0 | 20.0 | 6.0 | 15.0 | 2.0 | ..... | 64.0 |
| Alexandria | T. | 4.0 | T. | 15.0 | 15.2 | 10.5 | 16.0 | 4.5 | ..... | 65.2 |
| Angus | ..... | 2.7 | T. | 13.5 | 4.7 | 8.2 | 1.2 | 1.2 | 1.0 | 32.5 |
| Argyle | T. | 6.0 | 0.5 | 21.6 | 10.3 | 12.0 | 1.1 | T. | ..... | 51.5 |
| Artichoke Lake | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | T. | ..... |
| Bagley | ..... | 0.5 | 1.5 | 11.0 | 4.0 | 12.2 | 4.0 | 2.0 | ..... | 35.2 |
| Baudette | T. | 19.0 | 1.9 | 20.0 | 4.9 | 15.4 | 5.4 | T. | ..... | 66.6 |
| Beardsley | ..... | 0.2 | ..... | 20.0 | 18.0 | 9.0 | 18.0 | (*) | ..... | ..... |
| Bemidji | ..... | T. | T. | 10.5 | 4.5 | 7.5 | 6.0 | 4.0 | ..... | 32.5 |
| Bird Island | ..... | 5.5 | T. | 8.1 | 21.0 | 2.5 | 21.6 | 0.4 | ..... | 59.1 |
| Brainerd | ..... | (*) | 1.5 | 7.7 | 6.7 | 7.7 | 12.4 | 3.5 | ..... | ..... |
| Caledonia | ..... | ..... | 5.0 | 12.0 | (*) | 6.5 | 10.1 | T. | ..... | ..... |
| Campbell | ..... | 1.0 | 1.5 | 9.5 | 10.2 | 14.0 | 6.0 | 2.0 | | 44.2 |
| Canby | ..... | 3.0 | T. | 7.0 | 22.5 | 2.7 | 33.0 | 1.0 | ..... | 69.2 |
| Cass Lake | ..... | 0.5 | T. | 5.0 | 3.5 | 9.5 | 8.0 | 3.0 | ..... | 29.5 |
| Chatfield | ..... | T. | 3.0 | 11.6 | 18.5 | 4.0 | 10.0 | T. | ..... | 47.1 |
| Cloquet | ..... | 8.0 | 0.6 | 5.8 | 8.8 | 8.1 | 14.4 | 6.0 | ..... | 51.7 |
| Collegeville | ..... | 3.0 | T. | 9.7 | 14.2 | 5.0 | 27.0 | 0.5 | ..... | 59.4 |
| Crookston, No. 1 | ..... | 3.0 | 0.2 | 10.2 | 4.3 | 11.5 | 3.0 | 1.5 | T. | 33.7 |
| Crookston, No. 2 | ..... | 3.1 | 0.5 | 4.8 | 2.4 | 10.7 | 1.0 | 0.5 | T. | 23.0 |
| Crystal Bay | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Detroit | ..... | T. | 0.5 | 10.5 | 6.5 | 15.0 | 3.5 | 1.5 | T. | 37.5 |
| Duluth | T. | 3.4 | 0.8 | 2.9 | 9.1 | 10.7 | 48.2 | 7.1 | ..... | 82.2 |
| Duluth (near) | ..... | (*) | 0.8 | 9.0 | 10.5 | 15.0 | 33.8 | 10.0 | ..... | ..... |
| Fairmont | ..... | 3.2 | 2.5 | 8.8 | 14.7 | 3.0 | 16.6 | 4.2 | ..... | 53.0 |
| Faribault | T. | 3.0 | 0.5 | 10.0 | 19.5 | 4.0 | 14.0 | 2.0 | ..... | 53.0 |
| Farmington | T. | 5.0 | T. | 8.2 | 25.0 | 4.0 | 17.0 | 1.0 | ..... | 60.2 |
| Fergus Falls | ..... | 0.8 | 1.4 | 15.4 | 14.6 | 11.3 | 9.6 | 4.2 | ..... | 57.3 |
| Fort Ripley | ..... | 3.0 | 2.5 | 8.0 | 6.5 | 12.0 | 23.5 | 2.5 | ..... | 58.0 |
| Fosston | ..... | T. | ..... | (*) | 3.1 | (*) | (*) | 2.0 | ..... | ..... |
| Glencoe | T. | 3.0 | T. | 10.0 | 32.0 | 1.0 | 27.0 | 1.0 | ..... | 74.0 |
| Grand Marais | (*) | (*) | 0.1 | 6.1 | (*) | (*) | 38.0 | T. | 1.0 | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Minnesota*—Continued. | | | | | | | | | | |
| Grand Meadow | ..... | 3.4 | 7.0 | 9.0 | 14.5 | 7.2 | 12.0 | 2.2 | ..... | 55.3 |
| Grand Rapids | ..... | 5.0 | 2.0 | 8.5 | 4.5 | 13.5 | 11.5 | 8.0 | ..... | 53.0 |
| Grandy | (*) | (*) | (*) | (*) | (*) | (*) | 31.5 | T. | ..... | ..... |
| Gull Lake Dam | ..... | 2.0 | 2.4 | 6.9 | 4.0 | 12.0 | 11.0 | 3.0 | ..... | 41.3 |
| Hallock | T. | 14.0 | T. | 12.5 | 4.5 | 10.7 | 0.7 | 0.3 | ..... | 42.7 |
| Hinckley | ..... | (*) | (*) | (*) | 5.4 | 6.9 | 19.7 | 3.0 | ..... | ..... |
| Hutchinson | ..... | 4.3 | ..... | 7.2 | 27.5 | 7.2 | 34.0 | 0.2 | ..... | 80.4 |
| International Falls | (*) | (*) | (*) | (*) | (*) | 18.0 | 7.0 | (*) | ..... | ..... |
| Itasca State Park | ..... | 0.7 | T. | 10.5 | 3.5 | 13.5 | 6.0 | 2.0 | ..... | 36.2 |
| Lake Crystal | ..... | 3.0 | T. | 7.5 | 20.0 | 4.7 | 24.0 | T. | ..... | 59.2 |
| Leech Lake Dam | T. | 4.4 | T. | 5.8 | 5.0 | 12.6 | 14.1 | 3.0 | ..... | 44.9 |
| Little Falls | ..... | 3.8 | 1.0 | 7.5 | 19.9 | 7.5 | 25.1 | T. | ..... | 64.8 |
| Long Prairie | (*) | 5.0 | 2.0 | 9.8 | 13.7 | 9.2 | 22.5 | 3.5 | ..... | ..... |
| Luverne | (*) | (*) | (*) | (*) | 18.0 | 3.2 | 15.0 | T. | ..... | ..... |
| Lynd | ..... | 5.0 | T. | 9.0 | 32.5 | 1.5 | 33.5 | T. | ..... | 81.5 |
| Mankato | ..... | 2.2 | 0.2 | (*) | (*) | 9.8 | 21.0 | (*) | ..... | ..... |
| Mapleplain | T. | 4.5 | T. | 10.5 | 29.9 | 9.8 | 28.4 | 1.4 | ..... | 84.5 |
| Meadowlands | ..... | 6.0 | 3.0 | 2.5 | 5.5 | 11.0 | 22.5 | 8.0 | ..... | ..... |
| Milaca | ..... | 3.0 | T. | 5.0 | 17.0 | 8.0 | 28.0 | T. | ..... | 61.0 |
| Milan | ..... | 5.0 | T. | 14.4 | 25.2 | 12.0 | 28.2 | T. | ..... | 84.8 |
| Minneapolis | T. | 4.3 | 0.1 | 13.6 | 28.8 | 7.7 | 29.9 | 0.5 | ..... | 84.9 |
| Minneapolis, No. 2 | T. | 5.0 | T. | 10.5 | 22.7 | 5.8 | 29.0 | T. | ..... | 73.0 |
| Montevideo | ..... | 5.3 | T. | 11.0 | 13.5 | 8.2 | 24.3 | T. | ..... | 62.3 |
| Moorhead | ..... | T. | 1.0 | 11.7 | 6.5 | 7.8 | 4.0 | 3.2 | T. | 34.2 |
| Moose Lake | ..... | 5.0 | ..... | 1.6 | 6.5 | 8.5 | 33.0 | 2.0 | ..... | 56.6 |
| Mora | ..... | 3.0 | T. | 5.1 | 9.5 | 5.4 | 27.0 | 3.0 | ..... | 53.0 |
| Morris | ..... | 4.0 | 2.0 | 11.0 | 23.0 | 13.0 | 17.0 | 6.5 | ..... | 76.5 |
| New London | ..... | 2.0 | T. | 9.5 | 11.0 | 4.5 | 21.0 | T. | ..... | 48.0 |
| New Richland | ..... | 4.0 | 0.7 | 6.2 | 19.5 | 7.0 | 12.0 | T. | ..... | 49.4 |
| New Ulm | ..... | 5.8 | 0.5 | 14.0 | 26.5 | 7.2 | 28.0 | 0.2 | ..... | 82.2 |
| Park Rapids | ..... | 1.4 | 0.8 | 8.6 | 4.8 | 8.5 | 9.2 | 6.8 | ..... | 40.1 |
| Pierz | ..... | 4.0 | 0.5 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Pine River Dam | ..... | 2.5 | 2.0 | 5.8 | 5.0 | 9.5 | 12.5 | 3.0 | ..... | 40.3 |
| Pipestone | ..... | 2.5 | 0.5 | 5.0 | 23.8 | 6.7 | 12.5 | 1.2 | ..... | 52.2 |
| Pokegama Falls | ..... | 2.2 | T. | 3.7 | 5.7 | 10.2 | 13.9 | 3.5 | ..... | 39.2 |
| Red Lake | (*) | 6.0 | 1.0 | 7.0 | 3.2 | 5.2 | 2.0 | 2.1 | ..... | ..... |
| Red Lake Falls | T. | 5.0 | 0.7 | 16.0 | 18.3 | 22.7 | 5.8 | 2.0 | T. | 70.5 |
| Red Wing | ..... | 1.0 | 0.5 | 13.3 | 25.5 | 13.8 | 20.6 | 0.2 | ..... | 74.9 |
| Redwood Falls | ..... | 7.0 | T. | 13.0 | 34.0 | 1.7 | 25.3 | 1.0 | ..... | 82.0 |
| Reads | ..... | ..... | 1.4 | 10.2 | 27.8 | 12.0 | 21.5 | (*) | ..... | ..... |
| Rochester | ..... | 3.0 | 2.5 | 9.5 | 21.0 | 5.8 | 14.0 | T. | ..... | 55.8 |
| Roseau | ..... | 11.0 | 0.2 | 18.5 | 1.5 | 11.5 | 1.0 | 1.5 | T. | 45.2 |
| Saint Charles | ..... | 0.5 | 5.0 | 14.5 | 23.5 | 2.0 | 19.0 | 4.0 | ..... | 68.5 |
| Saint Cloud | ..... | 3.5 | T. | 8.1 | 18.7 | 9.2 | 36.0 | T. | ..... | 75.5 |
| Saint Paul | T. | 3.5 | T. | 11.7 | 27.9 | 5.9 | 22.2 | T. | ..... | 71.2 |
| Saint Peter | ..... | 2.5 | T. | 14.0 | 34.0 | 2.2 | 22.0 | ..... | ..... | 74.7 |
| Sandy Lake Dam | ..... | 3.0 | 3.0 | 6.0 | 5.0 | 11.5 | 20.5 | 1.0 | ..... | 50.0 |
| State Sanatorium | ..... | 1.5 | T. | 7.0 | 8.5 | 10.7 | 5.5 | 2.0 | ..... | 35.2 |
| Stillwater | ..... | 1.5 | ..... | 13.0 | 34.5 | 26.0 | 24.0 | (*) | ..... | ..... |
| Taylors Falls | ..... | (*) | ..... | 6.0 | 23.1 | 11.0 | 30.0 | T. | ..... | ..... |
| Thief River Falls | ..... | 10.0 | 0.5 | 14.6 | 4.4 | 8.6 | 1.3 | 5.0 | ..... | 44.4 |
| Tracy | ..... | 3.0 | 0.5 | 12.7 | 41.0 | 0.5 | 27.4 | 6.0 | T. | 91.1 |
| Two Harbors | ..... | T. | 0.5 | 3.0 | 3.3 | 11.0 | 36.0 | 6.0 | ..... | 59.8 |
| Tyler | ..... | 1.0 | T. | (*) | 16.0 | 1.0 | 21.0 | T. | ..... | ..... |
| Virginia | T. | 6.5 | 0.8 | 4.2 | 2.0 | 9.5 | 15.0 | 4.2 | ..... | 42.2 |
| Warren | (*) | 9.5 | T. | 20.0 | 5.0 | 7.0 | 1.0 | T. | ..... | ..... |
| Warroad | 0.2 | 9.3 | 1.8 | 22.2 | 3.0 | 15.2 | 4.0 | T. | ..... | 55.7 |
| Waseca | T. | 0.5 | 0.5 | 11.0 | 7.0 | 10.0 | 10.0 | 0.7 | ..... | 36.8 |
| Wheaton | ..... | 0.7 | 0.1 | 5.0 | 8.5 | 3.8 | 8.0 | T. | ..... | 26.1 |
| Willmar | ..... | 2.3 | T. | 10.0 | 11.0 | 4.3 | 31.1 | 0.5 | ..... | 59.2 |
| Windom | ..... | 4.0 | T. | 8.0 | 28.0 | 2.0 | 28.0 | (*) | ..... | ..... |
| Winnebago | ..... | 3.5 | 1.0 | 7.0 | 22.0 | 12.0 | 18.0 | 3.0 | ..... | 66.5 |
| Winnibigoshish | ..... | 2.9 | 1.0 | 5.2 | 5.8 | 10.7 | 9.6 | 4.2 | ..... | 39.4 |
| Winona | T. | T. | 4.5 | 11.4 | 25.0 | 3.8 | 6.9 | T. | ..... | 51.6 |
| Winton | T. | 10.5 | (*) | 6.7 | 1.5 | 17.0 | 23.0 | 4.0 | ..... | ..... |
| Worthington | ..... | 4.5 | 1.0 | 5.0 | 13.0 | 2.2 | 23.0 | 4.0 | ..... | 52.7 |
| Zumbrota | ..... | 4.0 | T. | 12.2 | 20.5 | 3.0 | 6.0 | T. | ..... | 45.7 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Mississippi.* | | | | | | | | | | |
| Aberdeen | | | T. | T. | | 0.2 | T. | | | 0.2 |
| Agricultural College | | | | | | T. | T. | | | T. |
| Anguilla | | | | | | | 1.0 | | | 1.0 |
| Austin | | | | 3.5 | 4.5 | | 1.0 | | | 9.0 |
| Batesville | | | | 3.0 | | | 0.5 | | | 3.5 |
| Bay St. Louis | | | | | | | | | | 0.0 |
| Biloxi | | | | | | | | | | 0.0 |
| Booneville | | | | 2.0 | T. | | T. | | | 2.0 |
| Brookhaven | | | | | | | | | | 0.0 |
| Calhoun City | | | T. | T. | T. | 0.2 | (*) | | | |
| Canton | | | | | | | T. | | | T. |
| Charleston | | | | T. | T. | T. | T. | | | T. |
| Clarksdale | | | | 2.5 | 0.2 | 0.2 | 0.8 | | | 3.7 |
| Cleveland | | | | | | | 1.0 | | | 1.0 |
| Collins | | | | | | | | | | 0.0 |
| Columbia | | | | | | | | | | 0.0 |
| Columbus | | | | T. | | T. | T. | | | T. |
| Corinth | | | | 3.8 | T. | T. | 0.5 | | | 4.3 |
| Crenshaw | | | | (*) | 2.0 | | 0.5 | | | |
| Crystal Springs | | | | | | | T. | | | T. |
| Duck Hill | | | T. | | | T. | T. | | | T. |
| Edinburg | | | | | | | | | | 0.0 |
| Edwards | | | | | | | T. | | | T. |
| Enterprise | | | | | | | | | | 0.0 |
| Fayette | | | | | | | T. | | | T. |
| Fulton | | | | T. | 0.9 | (*) | 0.2 | | | |
| Greenville | | | | | 0.5 | | 0.5 | | | 1.0 |
| Greenwood | | | | | 0.1 | T. | 0.3 | | | 0.4 |
| Grenada | | | | | | 0.5 | T. | | | 0.5 |
| Hattiesburg | | | | | | | T. | | | T. |
| Hazlehurst | | | | | | | | | | 0.0 |
| Hernando | | | | 8.0 | 4.5 | | 1.4 | | | 13.9 |
| Hickory | | | | | | | | | | 0.0 |
| Hickory Flat | | | | 5.0 | | T. | 0.8 | | | 5.8 |
| Holly Bluff | | | | | | | (*) | | | |
| Holly Springs | | | | 9.0 | 1.5 | | 0.5 | | | 11.0 |
| Jackson | | | | | | | T. | | | T. |
| Kosciusko | | | | | | | | | | 0.0 |
| Lake | | | | | | | | | | 0.0 |
| Laurel | | | | | | | | | | 0.0 |
| Leakesville | | | | | | | | | | 0.0 |
| Louisville | | | | | | T. | T. | | | T. |
| McNeill | | | | | | | | | | 0.0 |
| Macon | | | | | | T. | T. | | | T. |
| Magnolia | | | | | | | T. | | | T. |
| Meridian | | | | | T. | | T. | | | T. |
| Merrill | | | | | | | | | | 0.0 |
| Monticello | | | | | | | | | | 0.0 |
| Moorehead | | | | | | | 0.3 | | | 0.3 |
| Natchez | | | | | | | | | | 0.0 |
| Okolona | | | | | | | | | | 0.0 |
| Pascagoula | | | | | | | | | | 0.0 |
| Pearlington | | | | | | | | | | 0.0 |
| Pontotoc | | | | T. | 0.5 | T. | 0.5 | | | 1.0 |
| Port Gibson | | | | | | | T. | | | T. |
| Rosedale | | | | | T. | | 1.0 | | | 1.0 |
| Shubuta | | | | | | | | | | 0.0 |
| Stoneville | | | | | | | T. | | | T. |
| Suffolk | | | | | | | T. | | | T. |
| Swan Lake | | | | | | | T. | | | T. |
| Tchula | | | | T. | 1.5 | | T. | | | 1.5 |
| Tupelo | | | | | T. | T. | T. | | | T. |
| University | | | | 1.0 | T. | T. | 1.0 | | | 2.0 |
| Utica | | | | | | | T. | | | T. |
| Vicksburg | | | | | | | T. | | | T. |
| Water Valley | | | | T. | T. | T. | T. | | | T. |
| Waynesboro | | | | | | | | | | 0.0 |
| Woodville | | | | | | | | | | 0.0 |
| Yazoo City | | | | | | | T. | | | T. |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Missouri.* | | | | | | | | | | |
| Amoret | ..... | T. | ..... | 10.3 | 6.0 | T. | 4.0 | T. | ..... | 20.3 |
| Appleton City | ..... | T. | T. | 5.7 | 0.4 | T. | 2.0 | T. | T. | 8.1 |
| Arlington | ..... | ..... | T. | (*) | 2.0 | T. | 5.0 | (*) | ..... | ..... |
| Avalon | ..... | ..... | ..... | 0.2 | 1.0 | T. | 1.5 | ..... | ..... | 2.7 |
| Bethany | ..... | T. | ..... | 2.0 | T. | T. | T. | 8.1 | ..... | 10.1 |
| Birchtree | ..... | ..... | ..... | 7.5 | 2.0 | 4.0 | T. | ..... | ..... | 13.5 |
| Bolivar | ..... | T. | ..... | 6.0 | 1.0 | ..... | 3.0 | ..... | ..... | 10.0 |
| Boonville | ..... | ..... | ..... | 1.0 | 1.4 | T. | (*) | (*) | ..... | ..... |
| Brunswick | ..... | 0.5 | ..... | T. | 2.2 | 0.5 | 3.0 | 0.5 | ..... | 6.7 |
| Cape Girardeau | (*) | (*) | (*) | 7.0 | 5.0 | 9.0 | T. | ..... | ..... | ..... |
| Cardwell | ..... | ..... | T. | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Caruthersville | ..... | ..... | ..... | 6.5 | 6.0 | T. | 1.0 | ..... | ..... | 13.5 |
| Cassville | ..... | ..... | T. | 13.0 | 8.0 | 8.5 | 1.0 | ..... | ..... | 30.5 |
| Chillicothe | ..... | ..... | ..... | T. | T. | T. | (*) | 1.0 | ..... | ..... |
| Clifton Hill | ..... | ..... | ..... | T. | T. | T. | 3.2 | T. | ..... | 3.2 |
| Clinton | ..... | ..... | ..... | 3.5 | ..... | ..... | 2.5 | ..... | ..... | 6.0 |
| Columbia | ..... | T. | T. | 1.9 | 2.3 | 0.3 | 2.5 | T. | ..... | 7.0 |
| Conception | ..... | T. | T. | 2.0 | 0.5 | T. | T. | 3.0 | ..... | 5.5 |
| Crocker | ..... | T. | 1.0 | 6.0 | (*) | ..... | (*) | ..... | ..... | ..... |
| Dean | ..... | ..... | T. | 9.5 | ..... | 8.2 | T. | ..... | ..... | 17.7 |
| Doniphan | ..... | ..... | T. | 7.0 | 4.0 | T. | T. | ..... | ..... | 11.0 |
| Eldon | ..... | T. | T. | 2.0 | 3.0 | T. | 3.0 | T. | ..... | 8.0 |
| Fayette | ..... | T. | ..... | 0.5 | 0.5 | 0.7 | 2.5 | 0.5 | ..... | 4.7 |
| Fruit City | (*) | ..... | ..... | 13.0 | 3.0 | 1.0 | ..... | ..... | ..... | ..... |
| Fulton | (*) | (*) | (*) | (*) | 2.2 | 0.3 | 0.4 | 2.0 | ..... | ..... |
| Gallatin | ..... | 0.5 | T. | 0.3 | 0.5 | 0.3 | 0.3 | 1.0 | ..... | 2.9 |
| Gano | ..... | T. | 0.4 | 12.0 | 1.4 | 1.3 | 2.0 | 2.2 | ..... | 19.3 |
| Glencoe | (*) | (*) | T. | 0.3 | 4.0 | T. | 0.5 | ..... | ..... | ..... |
| Goodland | ..... | ..... | ..... | 11.0 | 1.5 | ..... | 0.8 | ..... | ..... | 13.3 |
| Gorin | ..... | 0.5 | T. | 1.5 | T. | T. | 0.1 | 3.0 | ..... | 5.1 |
| Grant City | ..... | ..... | T. | 4.5 | T. | T. | T. | 3.0 | ..... | 7.5 |
| Hannibal | ..... | 1.8 | T. | 3.3 | 0.8 | 0.9 | 1.8 | 2.2 | ..... | 10.8 |
| Harrisonville | ..... | 0.5 | ..... | 4.5 | 2.0 | 1.0 | 3.0 | 0.8 | ..... | 11.8 |
| Hermann | ..... | ..... | ..... | 0.9 | 5.0 | T. | 2.0 | ..... | ..... | 7.9 |
| Hollister | ..... | ..... | ..... | 10.0 | 2.0 | 1.0 | 1.0 | ..... | ..... | 14.0 |
| Houston | ..... | T. | 0.2 | 12.5 | 1.0 | 2.0 | 3.6 | T. | ..... | 19.3 |
| Ironton | ..... | T. | 0.5 | 10.0 | 3.5 | 1.2 | 0.8 | 0.5 | ..... | 16.5 |
| Jackson | ..... | ..... | 0.5 | 10.0 | T. | 11.0 | T. | ..... | ..... | 21.5 |
| Jefferson City | ..... | T. | ..... | 1.6 | 7.6 | 0.1 | 3.0 | 0.1 | ..... | 12.4 |
| Kansas City | ..... | T. | T. | 0.9 | 2.8 | 0.8 | 3.2 | 2.0 | ..... | 9.7 |
| Keytesville | ..... | T. | T. | 0.2 | 1.2 | 0.7 | 3.0 | 0.1 | ..... | 5.2 |
| Kidder | ..... | ..... | T. | 0.5 | 1.0 | ..... | 1.0 | 2.0 | ..... | 5.5 |
| Kirksville | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 3.8 | ..... | ..... |
| Koshkonong | ..... | ..... | ..... | 10.0 | 3.0 | 6.0 | 1.0 | ..... | ..... | 20.0 |
| Lamar | ..... | T. | T. | 2.0 | 0.6 | 3.0 | 1.0 | 2.0 | T. | 8.6 |
| Lamonte | ..... | T. | (*) | 1.0 | 3.0 | 1.0 | 2.0 | T. | ..... | ..... |
| Lebanon | ..... | T. | T. | 7.5 | 1.0 | ..... | 3.0 | ..... | ..... | 11.5 |
| Lexington | ..... | T. | ..... | 0.5 | 1.5 | 0.4 | 2.0 | 3.0 | ..... | 7.4 |
| Liberty | ..... | ..... | T. | 0.2 | 2.9 | 0.5 | 3.5 | T. | ..... | 7.1 |
| Lockwood | ..... | T. | 0.5 | 6.5 | 2.0 | T. | 1.0 | T. | ..... | 10.0 |
| Louisiana | ..... | 1.2 | T. | 3.0 | 1.4 | 0.5 | 1.5 | 1.2 | ..... | 8.8 |
| Macon | ..... | T. | T. | T. | T. | T. | 1.5 | 1.0 | ..... | 2.5 |
| Marble Hill | ..... | ..... | ..... | 6.0 | 4.0 | 10.5 | ..... | ..... | ..... | 20.5 |
| Marshall | ..... | T. | ..... | 0.2 | 2.0 | 1.0 | 4.0 | 0.5 | ..... | 7.7 |
| Maryville | ..... | 2.0 | T. | 1.2 | 2.0 | 1.0 | 0.5 | 1.0 | ..... | 7.7 |
| Mexico | ..... | 0.5 | T. | 1.8 | 2.8 | 1.0 | 3.0 | 3.0 | ..... | 12.1 |
| Mountain Grove | ..... | T. | T. | 14.5 | 2.0 | 5.0 | 2.0 | ..... | ..... | 23.5 |
| Mount Vernon | (*) | (*) | (*) | (*) | (*) | 2.5 | 1.5 | ..... | ..... | ..... |
| Neosho | ..... | T. | ..... | 11.2 | 1.0 | 10.2 | 0.5 | ..... | ..... | 22.9 |
| Nevada | ..... | ..... | T. | 8.0 | 6.0 | T. | 3.0 | ..... | ..... | 17.0 |
| New Madrid | ..... | ..... | ..... | 3.5 | 8.5 | ..... | T. | ..... | ..... | 12.0 |
| Oakfield | ..... | 0.5 | 0.5 | 3.0 | 3.0 | T. | 1.5 | 2.0 | ..... | 10.5 |
| Oregon | ..... | T. | T. | 1.3 | 0.5 | 0.5 | T. | T. | ..... | 2.3 |
| Pacific | (*) | (*) | ..... | 3.0 | 1.0 | T. | ..... | ..... | ..... | ..... |
| Palmyra | ..... | 2.5 | ..... | 0.5 | 2.0 | 0.5 | 2.5 | 7.5 | ..... | 15.5 |
| Patton | ..... | ..... | ..... | 3.5 | 1.0 | 2.0 | ..... | ..... | ..... | 6.5 |
| Poplar Bluff | ..... | ..... | 0.1 | 6.0 | 6.4 | 4.0 | 0.1 | ..... | ..... | 16.6 |
| Rolla | ..... | 1.0 | 1.0 | 12.3 | 1.5 | 1.3 | 3.5 | 1.0 | ..... | 21.6 |
| St. Catherine | ..... | 1.0 | ..... | 2.0 | 0.5 | 0.5 | 0.5 | 6.0 | ..... | 10.5 |
| St. Charles | ..... | T. | ..... | 0.2 | 4.0 | 1.0 | 0.5 | 0.5 | ..... | 6.2 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Missouri*—Continued. | | | | | | | | | | |
| St. Joseph | ..... | T. | 0.1 | 0.6 | 0.8 | 0.2 | 0.1 | 1.8 | ..... | 2.6 |
| St. Louis, No. 1 | ..... | 0.1 | 0.1 | 2.5 | 2.5 | 1.0 | 0.3 | 1.0 | ..... | 7.5 |
| St. Louis, No. 2 | ..... | 0.1 | 0.1 | 1.9 | 1.8 | 0.8 | 0.3 | 2.4 | ..... | 7.4 |
| Sikeston | ..... | ..... | ..... | 4.3 | 6.0 | T. | 1.0 | ..... | ..... | 11.3 |
| Shelbina | (*) | (*) | (*) | (*) | (*) | (*) | 2.6 | 0.6 | ..... | ..... |
| Springfield | ..... | T. | 1.0 | 16.7 | 2.2 | 4.0 | 4.4 | 0.9 | ..... | 29.2 |
| Steelville | (*) | (*) | T. | 8.9 | 0.8 | 0.2 | 0.8 | 1.2 | ..... | ..... |
| Steffenville | ..... | 1.5 | T. | 3.0 | 0.5 | 0.5 | 1.0 | 5.0 | ..... | 11.5 |
| Tarkio | ..... | 2.0 | T. | 2.0 | T. | T. | ..... | ..... | ..... | 4.0 |
| Trenton | ..... | T. | T. | 1.0 | T. | T. | T. | 1.0 | ..... | 2.0 |
| Tuscumbia | (*) | (*) | (*) | (*) | (*) | (*) | 1.0 | (*) | ..... | ..... |
| Union | (*) | (*) | (*) | (*) | 4.0 | T. | 1.2 | T. | ..... | ..... |
| Unionville | ..... | 2.0 | T. | 5.0 | 0.5 | 1.0 | T. | 16.0 | 2.0 | 26.5 |
| Valley Park | (*) | (*) | ..... | 1.6 | 3.3 | 0.8 | 0.7 | T. | ..... | ..... |
| Warrensburg | ..... | T. | T. | 0.8 | 2.8 | 0.2 | 2.0 | T. | ..... | 5.8 |
| Warrenton | ..... | T. | ..... | 2.2 | 2.5 | 1.0 | 0.8 | 2.0 | ..... | 8.5 |
| Warsaw | ..... | 2.0 | 0.2 | 6.5 | 4.5 | 1.0 | 4.5 | ..... | ..... | 18.7 |
| Waverly | ..... | 0.2 | ..... | 0.2 | 0.6 | 0.5 | (*) | (*) | ..... | ..... |
| *Montana.* | | | | | | | | | | |
| Adel | 2.0 | 28.0 | 2.5 | 45.5 | 21.0 | 43.0 | 24.0 | 13.0 | 10.0 | 189.0 |
| Agricultural College | ..... | 15.0 | 15.0 | 21.2 | 23.7 | 12.0 | 12.0 | 11.0 | 5.6 | 115.5 |
| Anaconda | T. | 13.3 | 8.8 | 9.7 | 13.5 | 27.0 | (*) | 5.2 | 4.5 | ..... |
| Augusta | ..... | (*) | 4.0 | 5.0 | T. | 12.0 | 10.0 | 7.0 | ..... | ..... |
| Babb | T. | 17.0 | 16.5 | 14.0 | 16.0 | 12.5 | 5.5 | 29.0 | 4.0 | 114.5 |
| Bald Butte | 2.2 | 23.0 | 12.5 | 27.1 | 19.4 | (*) | (*) | (*) | (*) | ..... |
| Belton | ..... | (*) | (*) | 29.6 | 52.5 | 30.7 | 23.0 | 12.0 | 2.0 | ..... |
| Big Ox | ..... | 8.5 | (*) | 17.5 | 12.0 | 49.0 | 13.0 | 7.0 | ..... | ..... |
| Big Timber | ..... | 19.5 | 4.0 | 6.0 | 10.0 | 13.0 | 10.0 | 20.0 | 15.0 | 97.5 |
| Billings | ..... | (*) | (*) | (*) | 5.6 | 6.7 | 9.8 | (*) | 5.0 | ..... |
| Blackleaf | T. | (*) | (*) | (*) | (*) | 11.5 | 10.0 | 35.0 | (*) | ..... |
| Boulder | ..... | 8.9 | 3.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Bowen | ..... | (*) | 12.1 | 5.5 | 24.9 | 12.3 | 16.7 | 5.2 | 2.5 | ..... |
| Brenner | T. | 25.9 | 8.9 | ..... | ..... | 5.1 | 25.2 | 15.4 | 5.1 | ..... |
| Bridger | ..... | 8.8 | 5.4 | 10.7 | 4.4 | 3.4 | 6.5 | 6.3 | 3.0 | 47.6 |
| Broadview | ..... | 13.5 | (*) | (*) | (*) | (*) | (*) | 15.0 | (*) | ..... |
| Browning | ..... | 4.9 | 2.4 | (*) | 0.6 | 4.8 | 12.0 | 5.9 | (*) | ..... |
| Busby | ..... | 11.8 | 9.0 | 8.8 | 7.7 | 4.0 | 15.0 | 10.0 | 8.0 | 74.3 |
| Busteed | ..... | 33.0 | 4.1 | 12.6 | 8.0 | 11.3 | 14.9 | 25.2 | 18.0 | 127.1 |
| Butte | ..... | (*) | 12.0 | 21.5 | 14.0 | 19.0 | 18.0 | 8.0 | 3.5 | ..... |
| Canyon Ferry | ..... | 3.0 | 1.0 | 13.0 | 5.0 | 10.5 | 3.0 | 0.5 | 0.0 | 36.0 |
| Cascade | ..... | 9.0 | 5.0 | 13.5 | 2.5 | 15.5 | 11.0 | 10.0 | 6.0 | 72.5 |
| Chester | ..... | 5.0 | ..... | 4.7 | 1.4 | 5.2 | 8.6 | 7.5 | 0.0 | ..... |
| Chinook | ..... | (*) | ..... | (*) | 7.3 | (*) | 2.5 | (*) | ..... | ..... |
| Clear Creek | ..... | 14.0 | 3.0 | 16.5 | 8.5 | 6.0 | 2.0 | 13.0 | 0.0 | 63.0 |
| Clyde Park | (*) | (*) | (*) | (*) | (*) | (*) | 1.5 | 2.0 | 4.0 | ..... |
| Columbia Falls | ..... | 0.1 | 6.7 | 32.7 | 31.5 | 27.3 | 17.1 | 4.5 | 0.5 | 120.4 |
| Como | ..... | 14.0 | 7.0 | 5.5 | 11.0 | 34.0 | 13.0 | 2.0 | 1.0 | 87.5 |
| Copper | 4.0 | 12.0 | 7.5 | 18.5 | 20.2 | 32.5 | 14.7 | 26.0 | 10.7 | 146.1 |
| Dayton | ..... | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Deer Lodge | ..... | 0.2 | 2.0 | 17.0 | 13.5 | 11.4 | 6.9 | (*) | ..... | ..... |
| Denton | T. | 8.5 | 11.5 | 25.5 | 11.0 | 17.0 | 6.0 | 8.0 | 15.0 | 102.5 |
| Dillon | T. | 12.0 | 8.2 | 4.5 | 12.5 | 8.9 | 19.7 | 15.0 | 7.0 | 87.8 |
| Dunkirk | ..... | 7.0 | 2.5 | 8.0 | 2.0 | 9.0 | ..... | 4.0 | ..... | 32.5 |
| East Anaconda | ..... | 2.6 | 5.8 | 6.3 | 10.0 | 24.2 | 7.2 | 6.0 | 2.8 | 64.9 |
| Ekalaka | ..... | 1.5 | 1.5 | 6.0 | (*) | (*) | (*) | T. | ..... | ..... |
| Fallon | ..... | T. | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Findon | ..... | 15.4 | 2.3 | 20.0 | 17.9 | 22.7 | 8.0 | 31.1 | 5.5 | 122.9 |
| Flatwillow | ..... | 9.0 | 11.0 | 12.0 | 2.0 | 9.0 | 11.2 | 14.0 | 8.0 | 76.2 |
| Fortine | ..... | 0.5 | (*) | (*) | (*) | (*) | 17.0 | (*) | ..... | ..... |
| Fort Shaw | ..... | 4.9 | 15.3 | 7.3 | 2.8 | 9.4 | 5.0 | 2.5 | 4.0 | 51.2 |
| Foster | ..... | 3.0 | 6.8 | (*) | (*) | (*) | (*) | T. | ..... | ..... |
| Geyser | ..... | 7.0 | (*) | 14.0 | 1.0 | 10.0 | 3.0 | 7.0 | 23.0 | ..... |
| Glacier Park | ..... | 13.5 | 23.0 | 14.0 | 25.0 | 36.0 | 25.0 | 37.0 | (*) | ..... |
| Glasgow | ..... | 1.0 | (*) | 5.9 | 4.0 | 7.9 | 6.5 | 1.0 | ..... | ..... |
| Glendive | ..... | T. | T. | 15.2 | 7.0 | 3.0 | 5.0 | 4.5 | (*) | ..... |
| Glantana | ..... | 4.1 | 0.6 | (*) | 4.0 | 4.4 | 1.4 | 4.7 | (*) | ..... |
| Gold Butte | ..... | 12.0 | 4.4 | (*) | (*) | (*) | 0.4 | T. | 2.0 | ..... |
| Graham | ..... | ..... | 6.8 | 9.2 | 4.6 | 4.5 | 10.0 | 10.0 | T. | ..... |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Montana*—Continued. | | | | | | | | | | |
| Great Falls | ..... | ..... | 1.0 | 11.5 | 3.5 | 19.0 | 14.5 | 7.5 | (*) | ..... |
| Hamilton | ..... | 2.0 | 6.0 | (*) | 4.0 | 20.0 | (*) | (*) | ..... | ..... |
| Harlowton | ..... | ..... | 1.0 | 1.8 | 10.0 | 4.4 | 1.7 | 7.6 | (*) | ..... |
| Hat Creek | 3.2 | 18.9 | 11.2 | 29.2 | 42.4 | 25.6 | 38.3 | 43.0 | 10.6 | 222.4 |
| Haugan | ..... | T. | 16.5 | 45.5 | 35.0 | 25.0 | 24.0 | 0.5 | 0.0 | 146.5 |
| Havre | ..... | 8.4 | 4.2 | 10.7 | 9.1 | 9.0 | 1.8 | 4.3 | 0.0 | 47.5 |
| Hebgen Dam | 1.0 | 2.4 | 30.7 | 71.8 | 47.2 | 40.9 | 34.2 | 30.1 | 1.5 | 259.8 |
| Helena | T. | 20.5 | 3.5 | 14.5 | 11.1 | 20.8 | 7.3 | 6.4 | 5.1 | 89.2 |
| Hercules Ranch | ..... | 3.0 | 2.5 | 14.2 | 7.2 | 4.3 | 6.5 | 6.6 | (*) | ..... |
| Heron | ..... | ..... | 19.8 | 27.8 | 40.5 | 28.0 | 31.5 | 3.0 | ..... | 150.6 |
| Highwood | ..... | 16.0 | 18.1 | 30.5 | 23.1 | 32.7 | 21.1 | 26.3 | 7.6 | 175.4 |
| Huntley | ..... | 6.0 | 2.5 | 9.2 | 10.0 | 6.0 | 11.0 | 7.0 | 5.0 | 56.7 |
| Kalispell | ..... | ..... | 4.0 | 16.3 | 10.3 | 18.2 | 8.8 | 0.2 | T. | 57.8 |
| Jordan | ..... | 6.0 | 2.5 | 17.0 | 10.5 | 8.2 | 8.0 | 4.8 | T. | 57.0 |
| Knobles Ranch | T. | 12.5 | 11.2 | 11.0 | 8.0 | 6.0 | 5.0 | 21.0 | T. | 74.7 |
| Knowlton | ..... | 4.5 | 3.1 | 22.2 | 16.0 | 7.0 | 9.9 | 7.2 | 10.0 | 79.9 |
| Lewistown | ..... | 6.5 | 17.4 | (*) | 18.5 | (*) | (*) | (*) | (*) | ..... |
| Libby | ..... | ..... | 9.5 | 8.5 | 6.0 | (*) | 4.0 | 4.5 | ..... | ..... |
| Lima | 3.0 | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Lindsay | ..... | (*) | 0 | 11.4 | 9.2 | (*) | (*) | ..... | 4.0 | ..... |
| Livingston | ..... | 9.6 | 4.0 | 13.4 | 14.1 | 10.0 | 4.2 | 11.7 | 4.0 | 71.0 |
| Lytle | ..... | 8.5 | 6.0 | 12.3 | 7.0 | 11.3 | 4.5 | 10.4 | 3.0 | 63.0 |
| Malta | ..... | 4.0 | 2.5 | 14.0 | 4.6 | 14.0 | 1.0 | 3.0 | ..... | 43.1 |
| Medicine Lake | ..... | 5.5 | 2.0 | 12.8 | 7.0 | 13.0 | 6.0 | 21.1 | ..... | 67.4 |
| Melstone | ..... | 6.7 | 3.0 | 9.7 | 3.8 | 3.3 | 2.2 | 4.8 | 11.0 | 44.5 |
| Mildred | ..... | (*) | T. | 5.0 | 6.0 | 1.0 | 4.0 | T. | T. | ..... |
| Miles City | 3.0 | 1.6 | 1.7 | 19.2 | 7.3 | 7.9 | 5.5 | 2.1 | 6.0 | 54.3 |
| Missoula | ..... | 2.5 | 0.5 | 19.1 | 8.5 | 17.1 | 6.0 | 0.8 | ..... | 54.5 |
| Norris | T. | 0 | 7.4 | 7.1 | 12.2 | 11.3 | 11.9 | 13.7 | 1.2 | 64.8 |
| Ovando | ..... | 9.3 | 9.3 | 51.0 | 47.7 | 39.0 | 15.0 | ..... | ..... | 171.3 |
| Philipsburg | ..... | 5.3 | 9.2 | 12.9 | 12.7 | 18.0 | 24.1 | 11.5 | 3.5 | 97.2 |
| Pine Grove | 2.0 | 13.4 | 12.2 | 30.0 | 20.2 | 20.8 | 27.6 | 47.7 | 43.4 | 217.3 |
| Plains | ..... | 1.0 | 6.0 | 16.0 | 6.7 | 17.5 | 4.0 | 1.0 | T. | 52.2 |
| Plevna | ..... | ..... | 4.1 | 20.0 | 10.0 | 9.8 | 7.1 | 5.3 | 2.5 | 58.8 |
| Polson | ..... | ..... | 0 | 28.0 | 5.0 | 11.0 | 7.0 | ..... | ..... | 51.0 |
| Poplar | ..... | 7.5 | 4.0 | 14.3 | (*) | 4.0 | (*) | 4.0 | (*) | ..... |
| Red Lodge | 1.0 | 31.0 | 13.0 | 19.5 | 12.0 | 16.0 | 16.0 | 34.0 | 21.0 | 163.5 |
| Renova | ..... | 8.0 | 3.0 | 1.0 | 4.5 | 5.0 | 5.5 | 6.0 | 1.0 | 34.0 |
| Ringling | ..... | 12.0 | 7.0 | 18.0 | 15.0 | 25.0 | 12.0 | 4.5 | ..... | 93.5 |
| Rock Springs | ..... | 3.5 | 3.3 | 29.8 | 16.0 | (*) | 15.0 | 7.0 | 6.0 | ..... |
| Roundup | ..... | 8.5 | 4.5 | 10.0 | 4.0 | 5.5 | 9.0 | 13.0 | 12.0 | 66.5 |
| Rudyard | ..... | 6.0 | (*) | 8.0 | 0.5 | 8.0 | T. | T. | ..... | ..... |
| Ryegate | (*) | (*) | (*) | (*) | 10.0 | (*) | 13.0 | 20.0 | ..... | ..... |
| St. Ignatius | ..... | 1.0 | 1.0 | 27.0 | 21.5 | 16.0 | 2.0 | 0.0 | ..... | 68.5 |
| St. Mary's Lake | ..... | 19.0 | 13.0 | 16.0 | 37.0 | 37.0 | 26.0 | 52.0 | (*) | ..... |
| Savage | ..... | 0.3 | T. | 13.0 | 6.5 | 4.0 | 4.5 | 3.5 | 0.0 | 31.8 |
| Shelby | ..... | 7.9 | 5.3 | 16.5 | 1.5 | 4.4 | 8.0 | 8.5 | T. | 52.1 |
| Sidney | ..... | 1.0 | 2.2 | 10.7 | 3.0 | 5.0 | 4.0 | (*) | T. | ..... |
| Snowbelt | ..... | 16.0 | 4.5 | 18.3 | 5.3 | 5.8 | 9.1 | 13.1 | (*) | ..... |
| Spring Brook | ..... | 6.5 | 0.5 | 28.3 | 17.7 | 11.5 | 7.4 | 8.0 | 3.0 | 82.9 |
| Stacey | (*) | 4.5 | (*) | 10.9 | (*) | (*) | (*) | 12.0 | (*) | ..... |
| Stevensville | ..... | ..... | 3.0 | 11.5 | 6.6 | 18.5 | 7.0 | 0.5 | 1.0 | 48.1 |
| Stryker | ..... | 3.4 | 11.0 | 20.7 | 37.5 | 28.7 | 29.2 | 7.0 | ..... | 137.5 |
| Suffolk | T. | 9.0 | T. | 19.0 | 6.0 | 23.0 | 6.0 | 20.0 | 13.0 | 96.0 |
| Sula | ..... | 8.7 | 10.0 | 10.9 | 17.4 | 15.9 | 20.2 | 3.4 | 1.7 | 88.2 |
| Sunlit Farm | ..... | (*) | (*) | (*) | (*) | (*) | (*) | 6.0 | ..... | ..... |
| Sun River Canyon | T. | ..... | 4.5 | 5.0 | (*) | 19.0 | 18.0 | 19.0 | 10.0 | ..... |
| Sunset Orchard | ..... | 5.0 | 9.0 | 12.5 | 10.0 | 3.8 | 16.0 | 1.0 | 2.0 | 59.1 |
| Superior | ..... | 2.0 | 7.0 | (*) | 11.5 | 20.0 | 13.4 | 0.2 | (*) | ..... |
| Thompson Falls | ..... | (*) | 1.5 | 16.5 | 8.5 | 18.5 | 5.5 | ..... | ..... | ..... |
| Three Forks | ..... | 11.0 | T. | 8.5 | 10.0 | 6.0 | 4.5 | 2.0 | 2.5 | 44.5 |
| Trout Creek | ..... | 0.5 | 17.0 | 31.2 | 38.1 | 30.5 | 32.0 | 0.5 | T. | 149.8 |
| Upper Yaak River | ..... | ..... | 8.5 | 16.1 | 10.6 | 18.9 | 16.5 | 9.2 | 1.0 | 80.8 |
| Utica | ..... | 13.0 | 5.0 | 19.5 | 4.0 | 12.1 | 9.0 | 12.0 | 6.0 | 80.6 |
| Valentine | ..... | (*) | 3.0 | (*) | (*) | (*) | (*) | (*) | 4.0 | ..... |
| Valier | ..... | 12.0 | 15.5 | 10.4 | 2.0 | 5.6 | (*) | 8.2 | 0.2 | ..... |
| Victor | ..... | (*) | 6.0 | 16.9 | 15.9 | 27.9 | 15.0 | 0.0 | T. | ..... |
| Virginia City | T. | (*) | (*) | 9.0 | 8.5 | 10.0 | T. | 4.0 | (*) | ..... |
| Wheaton | ..... | 16.0 | 4.0 | 28.5 | 5.0 | 24.0 | 14.0 | 21.5 | 11.0 | 121.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Montana*—Continued. | | | | | | | | | | |
| White Sulphur Springs | 1.0 | 8.0 | 4.0 | 12.0 | 9.0 | 25.0 | 5.0 | 14.0 | 4.0 | 82.0 |
| White Water | ..... | 4.5 | 2.0 | 8.7 | 5.0 | 9.0 | 3.0 | 5.0 | ..... | 37.2 |
| Wibaux | ..... | (*) | 3.6 | (*) | 9.0 | (*) | (*) | (*) | ..... | ..... |
| Wilder | ..... | 1.0 | 2.0 | 15.0 | 2.0 | 12.0 | 4.0 | 9.0 | T. | 45.0 |
| Wolf Creek | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| *Nebraska.* | | | | | | | | | | |
| Ainsworth | ..... | 8.0 | 13.1 | 6.0 | 8.0 | 11.0 | 22.5 | 25.0 | 7.0 | 100.6 |
| Albion | ..... | 5.0 | 5.0 | 7.0 | 14.0 | 3.0 | 5.0 | 5.0 | T. | 44.0 |
| Alliance | (*) | 12.0 | 6.0 | 5.0 | 3.5 | 6.5 | 10.0 | T. | T. | ..... |
| Alma | (*) | 4.5 | 1.0 | 2.7 | 1.0 | 1.0 | 2.0 | 0.2 | (*) | ..... |
| Arcadia | (*) | (*) | (*) | (*) | 4.8 | 0.5 | 14.5 | 7.5 | (*) | ..... |
| Arden | ..... | 10.0 | 9.0 | 6.0 | 9.0 | 4.5 | 22.0 | 8.0 | ..... | 68.5 |
| Ashland | ..... | 4.0 | 1.5 | 4.0 | 0.6 | 0.3 | 2.5 | 2.0 | ..... | 14.9 |
| Atkinson | (*) | 4.0 | 4.0 | 5.0 | 11.0 | 8.0 | 22.0 | T. | (*) | ..... |
| Auburn | ..... | 3.0 | T. | 5.0 | ..... | T. | 3.0 | T. | ..... | 11.0 |
| Aurora | (*) | 6.0 | (*) | 6.5 | (*) | 0.5 | 3.5 | (*) | (*) | ..... |
| Beatrice | (*) | 2.2 | 0.7 | 1.0 | 0.6 | T. | T. | (*) | ..... | ..... |
| Beaver City | ..... | 5.0 | 1.0 | 6.0 | (*) | (*) | 5.6 | T. | ..... | ..... |
| Bellevue | ..... | 4.0 | 1.0 | 2.7 | 2.2 | 3.0 | 3.9 | T. | ..... | 16.8 |
| Benkelman | (*) | 1.0 | 4.2 | 5.3 | 2.4 | 4.8 | 15.0 | 1.3 | (*) | ..... |
| Bertrand | ..... | 6.0 | 2.0 | 11.0 | 2.5 | 2.0 | 5.0 | T. | ..... | 28.5 |
| Bigspring | ..... | 2.5 | 6.5 | 4.5 | 6.0 | (*) | 14.5 | 3.5 | T. | ..... |
| Blair | ..... | 5.0 | 2.7 | 7.7 | 5.0 | 1.1 | 5.5 | 8.0 | ..... | 35.6 |
| Blake | ..... | 6.5 | 10.0 | 7.0 | 6.0 | 3.5 | 7.0 | 12.5 | 7.0 | 59.5 |
| Bloomfield | (*) | 5.0 | 2.0 | 3.0 | 7.0 | 3.0 | 23.0 | T. | (*) | ..... |
| Bradshaw | (*) | 5.0 | 3.9 | 1.3 | 3.3 | T. | 3.7 | 5.0 | (*) | ..... |
| Brewster | ..... | 5.0 | 12.0 | 3.0 | 7.0 | 3.5 | 8.3 | 3.0 | 1.0 | 42.8 |
| Bridgeport | ..... | 6.0 | 6.0 | 3.5 | 5.0 | 0.5 | 14.5 | 1.0 | T. | 36.5 |
| Brownlee | (*) | (*) | (*) | (*) | 6.5 | 3.2 | 11.5 | (*) | 1.0 | ..... |
| Brokenbow | ..... | 6.5 | 5.0 | 6.0 | 8.5 | 3.5 | 12.0 | 11.0 | T. | 52.5 |
| Bruning | ..... | 4.5 | 5.0 | 5.5 | 1.0 | T. | 4.1 | T. | ..... | 20.1 |
| Burwell | ..... | 2.0 | 9.0 | 1.5 | 6.5 | 2.3 | 15.2 | 13.0 | ..... | 49.5 |
| Butte | ..... | 2.0 | 2.5 | 4.0 | 7.4 | 4.0 | 11.0 | 3.0 | ..... | 33.9 |
| Cairo | (*) | 5.0 | ..... | 7.5 | (*) | 2.5 | 4.0 | 3.0 | (*) | ..... |
| Callaway | (*) | (*) | (*) | (*) | (*) | 3.5 | 8.0 | 4.0 | (*) | ..... |
| Cambridge | ..... | 6.0 | 1.0 | 4.0 | 2.0 | (*) | 6.0 | ..... | (*) | ..... |
| Chadron | ..... | 3.5 | 12.0 | 3.0 | 9.5 | 1.2 | 22.3 | 7.0 | 1.3 | 59.8 |
| Clay Center | ..... | 2.0 | ..... | 3.1 | 1.0 | 1.0 | T. | ..... | ..... | 7.1 |
| Columbus | ..... | 3.0 | 3.0 | 3.5 | 7.0 | 1.0 | 2.0 | 5.0 | ..... | 24.5 |
| Crete | ..... | 4.5 | 2.0 | 7.3 | 1.2 | T. | 4.2 | 2.0 | ..... | 21.0 |
| Culberston | ..... | 4.0 | 3.0 | 2.0 | 4.0 | (*) | 3.0 | ..... | ..... | ..... |
| Curtis | ..... | 6.0 | 2.0 | 5.0 | 4.0 | 1.0 | 6.0 | 5.0 | ..... | 29.0 |
| Dalton | (*) | 5.0 | 20.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| David City | ..... | 4.2 | 6.3 | 9.2 | 2.2 | 0.4 | 5.6 | 11.0 | ..... | 38.9 |
| Drexel | ..... | 5.0 | 3.5 | 6.1 | 3.0 | 1.5 | 5.1 | 8.1 | T. | 32.3 |
| Dumas | ..... | 5.0 | 12.0 | 1.5 | 3.5 | 2.0 | 6.0 | 8.5 | ..... | 38.5 |
| Edison | ..... | 9.0 | 1.2 | 2.5 | (*) | (*) | (*) | (*) | (*) | ..... |
| Elm Creek | ..... | 9.0 | ..... | 10.0 | 3.0 | 3.0 | 8.0 | (*) | ..... | ..... |
| Elsie | (*) | 6.0 | 6.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Ericson | ..... | 5.0 | 4.0 | (*) | 6.5 | 2.0 | 9.0 | 3.0 | ..... | ..... |
| Ewing | ..... | 4.5 | 8.0 | 7.5 | 6.2 | 4.5 | 17.5 | T. | T. | 48.2 |
| Fairbury | ..... | 0.5 | 2.0 | 7.2 | 0.5 | 0.2 | 3.7 | 1.5 | ..... | 15.6 |
| Fairmont | ..... | 3.0 | 5.5 | 4.7 | 4.0 | T. | 5.5 | 6.5 | ..... | 29.2 |
| Falls City | ..... | 1.0 | 0.5 | 3.9 | 0.1 | T. | 0.5 | 1.0 | ..... | 7.0 |
| Fort Robinson | (*) | 9.2 | 13.5 | 7.0 | 7.0 | (*) | 25.0 | 13.0 | 1.2 | ..... |
| Franklin | ..... | 2.0 | 1.5 | 7.0 | 2.0 | 1.0 | 2.5 | 2.0 | ..... | 18.0 |
| Fremont | ..... | 4.6 | 4.0 | 8.5 | 5.5 | 1.7 | 0.2 | T. | ..... | 24.5 |
| Fullerton | ..... | 5.0 | 2.0 | 5.0 | 5.0 | (*) | 5.0 | (*) | ..... | ..... |
| Geneva | ..... | 4.0 | 1.5 | 8.8 | 1.3 | 0.5 | 2.0 | 2.0 | ..... | 20.1 |
| Genoa | ..... | 4.0 | 4.0 | 7.2 | 3.0 | 1.5 | 5.5 | 5.0 | ..... | 30.2 |
| Gordon | (*) | 13.0 | 12.0 | 5.5 | 5.5 | 3.0 | 16.0 | 20.5 | 9.0 | ..... |
| Gosper | ..... | 8.0 | 1.0 | 4.0 | 1.5 | T. | 4.5 | 1.0 | ..... | 20.0 |
| Gothenburg | ..... | 10.0 | 2.0 | 7.0 | 4.5 | 4.0 | 16.0 | 8.0 | ..... | 51.5 |
| Grand Island | ..... | 6.0 | 1.5 | 9.0 | 4.0 | 2.0 | 17.5 | 4.0 | ..... | 44.0 |
| Grant | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Greeley | ..... | (*) | (*) | 3.2 | 5.7 | 1.3 | 6.6 | 9.2 | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Nebraska*—Continued. | | | | | | | | | | |
| Gresham | ..... | 4.0 | 6.3 | 2.6 | 1.3 | 0.6 | 0.5 | 5.5 | ..... | 20.8 |
| Guide Rock | ..... | 6.0 | 0.5 | 11.0 | 2.5 | 0.8 | 2.5 | 0.2 | ..... | 23.5 |
| Haigler | (*) | 7.0 | (*) | (*) | (*) | 6.0 | (*) | 6.0 | ..... | ..... |
| Halsey | ..... | 4.5 | 12.0 | 8.0 | 6.0 | 5.8 | 15.7 | 22.5 | 3.0 | 77.5 |
| Harrison | T. | 10.0 | 12.0 | 7.0 | 7.5 | 2.5 | 31.0 | 26.5 | 3.5 | 100.0 |
| Hartington | ..... | 8.0 | 5.0 | 8.0 | 16.0 | 7.5 | 22.5 | T. | ..... | 67.0 |
| Hastings | ..... | 2.5 | 1.0 | 5.7 | 2.0 | 0.8 | 5.0 | 0.5 | ..... | 17.5 |
| Hayes Center | ..... | 11.0 | 5.5 | 9.0 | 8.0 | 2.0 | 11.5 | 9.0 | ..... | 56.0 |
| Hay Springs | ..... | 12.5 | 8.0 | 2.0 | 7.0 | 3.5 | 26.0 | 16.5 | 7.5 | 83.0 |
| Hebron | ..... | 4.0 | 3.2 | 5.8 | 0.5 | 0.2 | 4.0 | T. | ..... | 17.7 |
| Hemingford | (*) | (*) | 5.5 | (*) | (*) | 3.5 | 7.8 | T. | (*) | ..... |
| Hershey | ..... | 9.0 | 5.0 | 5.7 | 4.0 | 3.0 | 13.5 | 14.0 | T. | 54.2 |
| Hillside | ..... | 4.5 | 11.0 | 4.0 | 6.8 | 8.1 | 11.6 | 12.0 | 1.5 | 59.5 |
| Holdredge | ..... | 6.0 | 1.0 | 6.5 | 1.7 | 2.7 | 4.0 | 3.3 | ..... | 25.2 |
| H. O. Ranch | ..... | 11.0 | (*) | 7.5 | 7.0 | 4.5 | 11.2 | 11.5 | T. | ..... |
| Hull | (*) | 12.0 | 12.0 | 6.0 | 2.0 | 5.0 | 16.0 | 20.0 | 12.0 | ..... |
| Imperial | ..... | 7.0 | 7.0 | 7.0 | 7.0 | 4.5 | 20.6 | 13.0 | ..... | 66.1 |
| Kearney | ..... | 3.0 | 0.2 | 6.2 | 0.4 | 0.4 | 18.7 | 1.5 | ..... | 30.4 |
| Kimball | ..... | 7.0 | 3.0 | 5.5 | 5.0 | 5.5 | 18.0 | 5.5 | T. | 49.5 |
| Kirkwood | ..... | 3.0 | 4.0 | 3.5 | 8.2 | 6.0 | 15.0 | 6.5 | T. | 46.2 |
| Kola | (*) | (*) | 5.5 | 1.5 | 4.5 | 2.0 | 2.5 | T. | T. | ..... |
| Kowanda | ..... | 7.0 | 13.0 | 4.0 | 5.5 | 3.5 | 15.4 | 5.6 | ..... | 54.0 |
| Lexington | ..... | T. | 1.0 | 5.0 | 1.5 | 6.0 | 2.0 | 3.5 | T. | 73.0 |
| Lincoln | ..... | 3.1 | 2.3 | 4.9 | 0.6 | 0.4 | 2.7 | 0.7 | ..... | 14.7 |
| Lodgepole | ..... | 7.0 | 10.0 | 4.0 | 7.0 | 3.0 | 12.0 | 8.0 | ..... | 51.0 |
| Loup City | (*) | 9.0 | 1.5 | 1.0 | 4.5 | 3.5 | 11.5 | 8.0 | (*) | ..... |
| Long Pine | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 12.0 | 6.0 | ..... |
| McCook | ..... | 5.5 | 1.4 | 2.5 | 1.1 | T. | 4.3 | T. | ..... | 14.8 |
| McCool Junction | (*) | 4.0 | 7.0 | 12.5 | 3.0 | T. | 3.0 | 3.0 | (*) | ..... |
| Madison | ..... | (*) | T. | 2.0 | 7.0 | 4.2 | 7.0 | 6.0 | T. | ..... |
| Marquette | ..... | 5.0 | 2.3 | 4.5 | 1.4 | 0.5 | 4.2 | 9.0 | ..... | 26.9 |
| Mary | ..... | 4.0 | 8.5 | 4.9 | 8.6 | 8.0 | 14.9 | 21.5 | 2.0 | 72.4 |
| Mason City | (*) | 9.0 | 4.0 | 8.0 | 6.0 | 4.5 | 14.0 | 3.0 | (*) | ..... |
| Merriman | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 6.0 | ..... |
| Minden | ..... | 3.0 | 1.0 | 7.0 | 2.0 | 1.0 | 2.7 | 1.0 | ..... | 17.7 |
| Mitchell | ..... | 7.5 | 5.3 | 4.0 | 2.2 | 0.1 | 9.0 | T. | T. | 28.1 |
| Nebraska City | ..... | 5.0 | 1.5 | 5.5 | 0.5 | T. | 7.0 | T. | ..... | 19.5 |
| Nelson | ..... | 4.0 | 0.5 | 6.9 | 0.5 | 0.5 | 1.5 | T. | ..... | 13.9 |
| Nenzel | (*) | 6.2 | 1.9 | 5.5 | 5.0 | 5.0 | 9.1 | 15.1 | 11.0 | ..... |
| Norfolk | ..... | 7.0 | 11.0 | 10.7 | 7.0 | 5.0 | 9.2 | 6.0 | T. | 55.9 |
| North Loup | ..... | 10.0 | 4.5 | 0.6 | 7.5 | 2.0 | 15.0 | 7.0 | ..... | 46.6 |
| North Platte | ..... | 6.3 | 3.6 | 4.4 | 6.2 | 4.0 | 14.1 | 2.6 | ..... | 41.2 |
| Oakdale | ..... | 10.0 | 8.0 | 4.6 | 8.5 | 2.9 | 11.5 | 10.3 | T. | 55.8 |
| Ogallala | (*) | 3.0 | 9.0 | 10.0 | 8.0 | T. | 10.0 | (*) | (*) | ..... |
| Omaha | ..... | 4.1 | 3.2 | 5.8 | 2.7 | 2.0 | 3.5 | 1.6 | T. | 22.9 |
| O'Neill | (*) | 2.0 | 5.0 | 6.0 | 9.9 | (*) | (*) | (*) | ..... | ..... |
| Ord | ..... | 7.0 | 6.0 | 1.0 | 7.2 | 2.4 | 15.0 | 7.5 | ..... | 46.1 |
| Orleans | ..... | 3.5 | ..... | 4.5 | 2.5 | 2.5 | 4.5 | T. | ..... | 17.5 |
| Osceola | (*) | (*) | 2.0 | 5.5 | 3.0 | 0.1 | 8.0 | 6.0 | ..... | ..... |
| Oshkosh | ..... | 3.0 | 9.0 | 9.0 | 16.5 | 5.0 | 24.5 | 2.0 | ..... | 69.0 |
| Palisade | (*) | 7.0 | 2.0 | 2.4 | 2.5 | (*) | 10.6 | (*) | 2.0 | ..... |
| Pawnee City | ..... | 3.0 | 4.0 | 4.5 | 1.0 | 0.5 | 0.5 | 0.5 | ..... | 14.0 |
| Paxton | ..... | 6.0 | 4.0 | 6.0 | 9.0 | 2.0 | 14.0 | 6.0 | ..... | 47.0 |
| Plainview | (*) | 6.0 | (*) | 6.5 | 8.0 | 12.0 | 12.0 | (*) | (*) | ..... |
| Plattsmouth | (*) | (*) | (*) | (*) | (*) | (*) | 5.0 | 0.5 | ..... | ..... |
| Purdum | ..... | 5.6 | 8.7 | 6.3 | 9.9 | 5.0 | 18.7 | 15.7 | 2.2 | 72.1 |
| Ravenna | ..... | 9.0 | 1.2 | 7.4 | 4.1 | 2.5 | 12.9 | 3.0 | ..... | 40.1 |
| Red Cloud | ..... | 3.0 | 0.5 | 5.5 | 1.3 | T. | 2.0 | 1.4 | ..... | 13.7 |
| St. Libory | ..... | 5.0 | 2.0 | 8.0 | ..... | 3.0 | 7.0 | 3.0 | ..... | 28.0 |
| St. Paul | ..... | 7.6 | 1.0 | 3.5 | 2.7 | 0.4 | 8.9 | 13.0 | ..... | 37.1 |
| Santee | (*) | (*) | 2.5 | 2.0 | (*) | (*) | (*) | (*) | ..... | ..... |
| Schuyler | ..... | 2.0 | 3.5 | 7.0 | 4.0 | T. | 2.5 | 4.5 | ..... | 23.5 |
| Scottsbluff | ..... | 8.4 | 5.5 | 7.3 | 3.8 | 1.1 | 12.1 | 6.9 | 3.5 | 48.6 |
| Seward | ..... | 3.0 | 5.5 | 6.2 | 1.0 | 0.5 | 2.2 | 2.0 | ..... | 20.4 |
| Sidney | ..... | 5.0 | 4.5 | 4.4 | 3.8 | 1.8 | 16.0 | 5.2 | 1.0 | 41.7 |
| Springfield | ..... | 4.0 | 4.0 | 1.3 | 8.1 | 0.3 | 6.2 | 2.0 | ..... | 25.9 |
| Stanton | ..... | 4.6 | 9.0 | 10.9 | 9.0 | 5.0 | (*) | 8.0 | T. | ..... |
| Stratton | (*) | (*) | (*) | (*) | 1.3 | (*) | (*) | T. | (*) | ..... |
| Syracuse | (*) | 3.0 | 3.0 | 7.0 | 1.5 | 0.5 | 5.0 | 1.0 | (*) | ..... |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Nebraska*—Continued. | | | | | | | | | | |
| Table Rock | ..... | 4.0 | 2.0 | 3.0 | 1.0 | T. | 2.0 | 1.0 | ..... | 13.0 |
| Tecumseh | (*) | 3.0 | 2.0 | 3.5 | 1.7 | ..... | 0.2 | 0.5 | (*) | ..... |
| Tekamah | ..... | 6.0 | 3.5 | 11.2 | 6.0 | 3.5 | 6.5 | 8.0 | ..... | 44.7 |
| University Farm | ..... | 4.0 | 2.0 | 5.5 | (*) | 0.4 | (*) | (*) | ..... | ..... |
| Upland | ..... | 1.0 | ..... | 6.0 | 2.0 | (*) | 2.5 | ..... | ..... | ..... |
| Utica | (*) | 2.0 | 2.0 | 2.8 | 2.5 | ..... | 1.5 | 0.2 | (*) | ..... |
| Valentine | ..... | 3.6 | 2.4 | 5.4 | 5.4 | 5.0 | 9.4 | 10.2 | 6.8 | 48.2 |
| Wahoo | ..... | 4.0 | 3.0 | 4.5 | 2.0 | ..... | 4.0 | T. | ..... | 17.5 |
| Wakefield | ..... | 3.5 | 6.5 | 14.0 | 6.5 | 6.5 | 5.2 | 1.5 | T. | 43.7 |
| Walthill | ..... | 6.0 | 5.5 | 16.0 | 6.5 | 7.0 | 10.0 | 2.0 | T. | 53.0 |
| Watertown | (*) | 5.0 | 2.0 | 4.0 | 2.0 | 1.0 | 12.0 | 6.0 | (*) | ..... |
| Wauneta | ..... | 5.0 | 2.0 | 2.5 | 6.5 | 4.5 | 12.0 | 5.0 | T. | 37.5 |
| Weeping Water | ..... | 3.5 | 5.5 | 5.6 | 0.7 | 0.5 | 4.0 | 0.5 | ..... | 20.3 |
| West Point | (*) | 4.0 | 4.0 | 15.0 | 2.0 | 4.0 | 6.0 | (*) | T. | ..... |
| Whitman | ..... | 10.5 | 9.0 | 5.5 | 7.5 | 6.8 | 18.0 | 10.0 | 3.0 | 70.3 |
| Wisner | ..... | 6.0 | 6.0 | 15.0 | 10.0 | 8.0 | 6.0 | 4.0 | ..... | 55.0 |
| York | ..... | 4.0 | 2.5 | 5.4 | 0.9 | T. | 2.6 | 3.0 | ..... | 18.4 |
| *Nevada.* | | | | | | | | | | |
| Arthur | ..... | 4.0 | 3.7 | 23.9 | 5.5 | 22.8 | 17.6 | 12.8 | ..... | 90.3 |
| Austin | ..... | 22.6 | 10.0 | 9.9 | 16.7 | 10.8 | 15.4 | 9.5 | 3.2 | 98.1 |
| Battle Mountain | (*) | (*) | (*) | (*) | (*) | (*) | 0.1 | 5.2 | (*) | ..... |
| Belmont | ..... | 9.0 | 1.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Beowawe | ..... | (*) | ..... | 7.0 | 5.0 | 2.0 | 1.0 | 1.0 | ..... | ..... |
| Cherry Creek | ..... | 16.1 | 8.2 | 15.8 | 2.2 | 9.5 | 0.7 | 4.5 | ..... | 57.0 |
| Clover Valley | ..... | T. | ..... | (*) | (*) | 17.9 | 18.5 | (*) | (*) | ..... |
| Duck Flat | ..... | T. | T. | 7.5 | 10.0 | 5.0 | 4.5 | ..... | ..... | 27.0 |
| Elko | ..... | T. | T. | 7.2 | 10.0 | 9.0 | 11.0 | ..... | ..... | 37.2 |
| Eureka | ..... | 12.5 | 12.5 | 12.5 | 12.0 | 25.0 | 14.5 | 7.0 | 5.5 | 101.5 |
| Fallon | ..... | ..... | ..... | 2.8 | 6.7 | 6.3 | 0.2 | T. | ..... | 16.0 |
| Francis | ..... | 0.5 | T. | 9.1 | 4.0 | 10.5 | 5.8 | 0.1 | ..... | 30.0 |
| Franktown | ..... | (*) | (*) | (*) | 3.0 | (*) | (*) | (*) | (*) | ..... |
| Gardnerville | ..... | ..... | ..... | 5.0 | T. | 2.0 | 4.0 | T. | ..... | 11.0 |
| Gerlach | ..... | ..... | ..... | 2.6 | 4.1 | 3.2 | 4.5 | 0.1 | ..... | 14.5 |
| Golconda | ..... | 1.0 | ..... | 3.0 | 12.0 | 1.0 | 2.0 | 3.0 | ..... | 22.0 |
| Gold Creek | T. | ..... | 13.5 | 48.0 | 23.0 | 26.0 | (*) | (*) | 12.0 | ..... |
| Goldfield | ..... | 1.0 | 0.5 | 6.0 | T. | 5.0 | T. | 1.0 | ..... | 13.5 |
| Hamilton | (*) | (*) | (*) | (*) | (*) | 29.0 | (*) | (*) | (*) | ..... |
| Hylton | ..... | 4.0 | 6.5 | 12.0 | 4.0 | 16.0 | 18.0 | 6.0 | ..... | 66.5 |
| Imlay | ..... | ..... | ..... | 3.0 | 8.0 | ..... | ..... | ..... | ..... | 11.0 |
| Indian Springs | (*) | ..... | ..... | (*) | (*) | ..... | 10.0 | (*) | (*) | ..... |
| Jack Creek | T. | 8.0 | 23.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Jungo | ..... | ..... | ..... | 4.0 | 9.0 | 1.0 | 0.8 | ..... | ..... | 14.8 |
| Lahontan | ..... | 2.0 | ..... | 3.0 | 6.8 | 6.0 | ..... | ..... | ..... | 17.8 |
| Lamoille | ..... | (*) | 7.5 | 27.0 | 10.0 | 18.0 | 29.0 | (*) | (*) | ..... |
| Las Vegas | ..... | ..... | ..... | T. | ..... | ..... | ..... | ..... | ..... | T. |
| Lida | (*) | ..... | ..... | (*) | ..... | 7.0 | T. | ..... | ..... | ..... |
| Logan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Lovelocks | (*) | (*) | (*) | 1.0 | 11.0 | 2.5 | 1.0 | T. | ..... | ..... |
| McDermitt | ..... | T. | 3.0 | 17.5 | 18.5 | 14.0 | 9.0 | ..... | ..... | 62.0 |
| McGill | ..... | 17.3 | 4.0 | 16.7 | 4.3 | 7.5 | 5.3 | 14.2 | (*) | ..... |
| Mahoney Ranger Station | (*) | (*) | 11.0 | 27.6 | 18.5 | 27.0 | 22.5 | 25.0 | 6.0 | ..... |
| Marlette Lake | ..... | 27.0 | 20.0 | 59.0 | 17.0 | 66.0 | 22.0 | 14.5 | 13.0 | 238.5 |
| Metropolis | ..... | T. | ..... | 7.5 | 4.0 | 6.0 | 6.0 | 5.0 | ..... | 28.5 |
| Millett | ..... | ..... | 1.0 | 1.5 | 3.0 | 8.0 | ..... | 4.0 | ..... | 17.5 |
| Mina | ..... | ..... | ..... | 1.3 | 3.5 | 5.0 | ..... | ..... | ..... | 9.8 |
| Mount Charleston | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| North Fork | ..... | 4.0 | 10.0 | 16.5 | 4.5 | 2.0 | 10.0 | 21.0 | 9.0 | 77.0 |
| Oak Springs | (*) | (*) | (*) | (*) | 2.0 | 1.7 | 3.0 | ..... | (*) | ..... |
| Oasis Ranch | ..... | T. | ..... | 8.0 | T. | T. | ..... | 11.0 | ..... | 19.0 |
| Owyhee | ..... | (*) | (*) | (*) | (*) | 14.0 | 22.0 | 13.0 | 8.0 | ..... |
| Pahrump | ..... | (*) | ..... | 1.0 | 1.0 | ..... | 1.0 | (*) | (*) | ..... |
| Paradise Valley | ..... | ..... | 2.0 | 10.5 | 13.0 | 10.6 | 6.1 | 1.4 | 0.5 | 44.1 |
| Pioche | ..... | 0.2 | (*) | (*) | (*) | (*) | 1.3 | 0.7 | T. | ..... |
| Potts | ..... | 15.0 | 2.0 | 5.0 | 3.0 | 22.5 | 7.0 | 13.0 | 2.5 | 70.0 |
| Quinn River Ranch | ..... | ..... | ..... | 7.5 | 12.0 | (*) | (*) | (*) | ..... | ..... |
| Rebel Creek | ..... | 0.5 | 1.2 | 4.5 | 15.5 | 3.5 | 6.5 | ..... | ..... | 31.7 |
| Reno | ..... | 0.4 | T. | 12.5 | 0.3 | 8.0 | 9.9 | 0.7 | T. | 31.8 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Nevada*—Continued. | | | | | | | | | | |
| Rhyolite | ..... | ..... | ..... | 1.0 | 4.0 | ..... | (*) | (*) | (*) | ..... |
| Sand Pass | ..... | T. | T. | 11.0 | 8.8 | 1.0 | T. | T. | ..... | 20.8 |
| San Jacinto | T. | T. | T. | 20.6 | 9.0 | 10.0 | 5.0 | 11.0 | ..... | 55.6 |
| Searchlight | ..... | ..... | ..... | 5.0 | 3.5 | ..... | ..... | ..... | ..... | 8.5 |
| Sharp | ..... | ..... | 2.0 | 5.0 | 5.0 | 14.0 | 4.0 | 7.0 | T. | 37.0 |
| Smith | ..... | T. | ..... | 4.0 | 2.5 | 5.0 | 3.0 | 6.5 | ..... | 21.0 |
| Sulphur | ..... | T. | T. | 3.0 | 11.5 | T. | T. | T. | T. | 14.5 |
| Tacoma | ..... | T. | 0.4 | 7.5 | 5.0 | 14.0 | 0.2 | 2.0 | ..... | 29.1 |
| Thorne | ..... | 0.6 | (*) | (*) | (*) | (*) | (*) | T. | ..... | ..... |
| Tonopah | ..... | 6.0 | 0.9 | 5.2 | 5.1 | 3.9 | 0.2 | 10.3 | T. | 31.6 |
| Vya | ..... | 1.0 | 3.0 | 11.0 | 11.0 | 17.5 | 14.0 | 0.6 | 0.1 | 58.2 |
| Winnemucca | ..... | 0.5 | 0.1 | 3.7 | 10.8 | 1.6 | 4.7 | 2.7 | ..... | 24.1 |
| Yerington | (*) | (*) | T. | 3.0 | 2.8 | 6.5 | T. | 1.0 | ..... | ..... |
| *New Hampshire.* | | | | | | | | | | |
| Alstead Center | ..... | ..... | 2.0 | 20.0 | 23.0 | 16.0 | 27.0 | 6.0 | 8.0 | 102.0 |
| Bethlehem | ..... | T. | 11.5 | 20.5 | 15.7 | 11.0 | 16.5 | 3.0 | 6.1 | 84.3 |
| Concord | ..... | ..... | 4.0 | 12.5 | 18.8 | 11.0 | 12.0 | 0.3 | 2.6 | 61.2 |
| Durham | ..... | ..... | 3.0 | 8.5 | 15.0 | 9.8 | 11.0 | (*) | (*) | ..... |
| Franklin | ..... | T. | 5.0 | 15.0 | 20.0 | 12.2 | 19.8 | 4.0 | 3.0 | 79.0 |
| Glencliff | (*) | (*) | (*) | 30.2 | 20.6 | 20.4 | 34.1 | 5.3 | 5.5 | ..... |
| Grafton | ..... | (*) | (*) | 13.0 | 16.0 | (*) | 14.0 | 5.5 | 4.0 | ..... |
| Hanover | ..... | T. | 6.9 | 11.1 | 14.2 | 5.9 | 17.2 | 0.5 | 1.7 | 57.5 |
| Keene | ..... | ..... | 1.8 | 9.8 | 13.8 | 11.2 | 14.0 | 0.2 | 0.2 | 51.0 |
| Nashua | (*) | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Newton | (*) | ..... | 2.5 | 9.0 | 14.0 | 14.0 | 15.0 | 2.0 | T. | ..... |
| Plymouth | ..... | ..... | 11.5 | 12.0 | 32.2 | 13.2 | 19.8 | 0.5 | 5.0 | 94.2 |
| *New Jersey.* | | | | | | | | | | |
| Asbury Park | ..... | ..... | T. | 10.0 | 4.9 | 9.7 | 13.4 | 6.5 | ..... | 44.5 |
| Atlantic City | ..... | ..... | T. | 8.1 | 0.3 | 6.2 | 1.1 | 5.0 | ..... | 20.7 |
| Bayonne | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Belvidere | ..... | ..... | ..... | 11.0 | 5.5 | (*) | 6.0 | (*) | ..... | ..... |
| Bergen Point | ..... | ..... | T. | 9.5 | 8.5 | (*) | 15.5 | 7.0 | ..... | ..... |
| Boonton | ..... | ..... | T. | 11.9 | 4.3 | 6.3 | 13.0 | 1.0 | ..... | 36.5 |
| Bridgeton | ..... | ..... | ..... | 14.0 | 1.0 | 4.5 | 2.0 | 7.0 | ..... | 28.5 |
| Burlington | ..... | ..... | ..... | 11.0 | 5.7 | (*) | 7.0 | 7.0 | ..... | ..... |
| Cape May City | ..... | ..... | 0.3 | 8.4 | 1.6 | 1.6 | 2.4 | 4.3 | ..... | 18.6 |
| Charlotteburg | ..... | ..... | T. | 13.0 | (*) | (*) | 12.0 | T. | ..... | ..... |
| Chatham | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Clayton | ..... | ..... | ..... | 12.5 | 2.0 | 3.7 | 1.8 | 6.5 | ..... | 26.5 |
| Culvers Lake | ..... | ..... | 0.6 | 17.1 | 8.7 | 7.0 | 16.0 | 0.7 | 1.0 | 51.1 |
| Dover | ..... | ..... | ..... | 18.5 | 9.0 | 11.0 | 12.5 | 2.0 | ..... | 53.0 |
| Elizabeth | ..... | ..... | T. | 15.5 | 7.5 | 11.0 | 11.0 | 6.0 | ..... | 51.0 |
| Flemington | ..... | ..... | ..... | 12.0 | 7.0 | 10.3 | 9.5 | 4.0 | ..... | 42.8 |
| Hammonton | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 3.7 | ..... | ..... |
| Hightstown | ..... | ..... | ..... | (*) | 6.0 | (*) | (*) | (*) | ..... | ..... |
| Highwood | ..... | ..... | T. | 14.4 | 7.3 | 8.1 | 16.3 | 5.0 | ..... | 51.1 |
| Imlaystown | ..... | (*) | (*) | (*) | (*) | (*) | (*) | 4.0 | (*) | ..... |
| Indian Mills | ..... | ..... | T. | 13.0 | 4.3 | 8.0 | 5.5 | 10.5 | ..... | 41.3 |
| Jersey City | ..... | ..... | T. | 13.4 | 6.7 | 12.9 | 14.3 | 7.3 | ..... | 54.6 |
| Lakewood | ..... | ..... | T. | 10.5 | 4.5 | 8.0 | 8.0 | 8.0 | ..... | 39.0 |
| Lambertville | ..... | ..... | ..... | (*) | 6.9 | 11.0 | 11.0 | 4.0 | ..... | ..... |
| Layton | ..... | ..... | 0.4 | 12.5 | 5.4 | 4.5 | 18.0 | 1.0 | ..... | 39.8 |
| Little Falls | ..... | ..... | (*) | (*) | (*) | (*) | 16.1 | 4.0 | ..... | ..... |
| Long Branch | ..... | ..... | T. | 11.7 | 7.1 | 10.9 | 15.1 | 6.6 | ..... | 51.4 |
| Moorestown | ..... | ..... | T. | 14.5 | 6.1 | 8.0 | 8.0 | 8.0 | ..... | 44.6 |
| Newark | ..... | ..... | T. | 18.0 | 5.7 | 10.1 | 12.8 | 3.5 | ..... | 50.1 |
| New Brunswick | ..... | ..... | T. | 14.0 | 7.5 | 10.5 | 11.0 | 7.2 | ..... | 50.2 |
| Newton | ..... | ..... | T. | 16.2 | 11.0 | 8.5 | 10.0 | T. | ..... | 45.7 |
| Northfield | ..... | ..... | T. | 9.6 | 0.8 | 3.5 | 0.7 | 6.0 | ..... | 20.6 |
| Palisades Park | ..... | ..... | T. | 15.2 | 6.7 | 12.7 | 15.0 | 5.5 | ..... | 55.1 |
| Paterson | ..... | ..... | T. | (*) | 7.5 | (*) | 8.5 | 2.0 | ..... | ..... |
| Phillipsburg | ..... | ..... | T. | 12.6 | 6.7 | 13.7 | 10.4 | 0.1 | ..... | 43.5 |
| Plainfield | ..... | ..... | T. | 12.8 | 6.8 | 12.0 | 11.9 | 5.0 | ..... | 48.5 |
| Pompton Plains | ..... | ..... | T. | 21.0 | (*) | 6.0 | 18.0 | 2.0 | ..... | ..... |
| Sandy Hook | ..... | ..... | T. | 13.7 | 6.4 | 12.0 | 9.8 | 5.5 | ..... | 47.4 |
| Somerville | ..... | ..... | ..... | 10.0 | 6.5 | 10.6 | 8.5 | 3.0 | ..... | 38.6 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *New Jersey*—Continued. | | | | | | | | | | |
| South Orange | ..... | ..... | T. | 13.5 | 5.0 | 8.0 | 11.0 | 4.0 | ..... | 41.5 |
| Trenton | ..... | ..... | T. | 10.7 | 6.3 | 7.6 | 7.0 | 6.2 | ..... | 37.8 |
| Tuckerton | ..... | ..... | ..... | 11.2 | 2.7 | 8.5 | 3.0 | 6.0 | ..... | 31.4 |
| Vineland | ..... | ..... | T. | 6.5 | 0.2 | 2.6 | (*) | 8.0 | ..... | ..... |
| Woodbine | ..... | ..... | T. | 5.5 | 0.5 | 0.5 | T. | 3.0 | ..... | 9.5 |
| *New Mexico.* | | | | | | | | | | |
| Abbott | ..... | ..... | 3.0 | 4.0 | 2.5 | 8.0 | 6.5 | 5.0 | 14.0 | 43.0 |
| Agricultural College | ..... | ..... | ..... | T. | T. | ..... | T. | ..... | ..... | T. |
| Alamogordo, No. 1 | ..... | ..... | T. | ..... | 1.5 | ..... | T. | ..... | ..... | 1.5 |
| Alamogordo, No. 2 | ..... | ..... | T. | ..... | 1.0 | T. | T. | ..... | ..... | 1.0 |
| Alamos Ranch | ..... | ..... | (*) | (*) | (*) | (*) | 4.0 | 2.0 | 17.0 | ..... |
| Albuquerque | ..... | ..... | ..... | T. | 2.0 | 3.0 | T. | ..... | ..... | 5.0 |
| Alma | ..... | ..... | ..... | 4.4 | 7.1 | 1.2 | T. | T. | T. | 12.7 |
| Ancho | ..... | ..... | 3.0 | 4.5 | 14.0 | 4.5 | 1.2 | 1.0 | T. | 28.2 |
| Anchor Mine | ..... | 13.0 | 14.0 | 26.0 | 29.0 | 26.0 | 36.1 | 54.0 | 76.0 | 274.1 |
| Aragon | ..... | ..... | ..... | 11.0 | 10.0 | 10.0 | 1.0 | 2.0 | ..... | 34.0 |
| Artesia | ..... | ..... | 5.5 | T. | 1.5 | T. | 2.0 | ..... | ..... | 9.0 |
| Aspen Grove Ranch | ..... | 6.2 | ..... | 32.2 | 49.5 | 48.7 | 28.8 | 7.5 | 32.5 | 205.4 |
| Aurora | ..... | 5.5 | 2.0 | 6.0 | 3.0 | 10.5 | 5.5 | 12.5 | 17.5 | 62.5 |
| Aztec | ..... | ..... | 0.5 | 5.5 | 10.0 | 4.0 | T. | T. | T. | 20.0 |
| Baca Ranch Ranger Station | ..... | ..... | 6.0 | 2.3 | 5.2 | 2.0 | 4.0 | T. | 3.0 | 22.5 |
| Baldwin Ranger Station | ..... | 0.8 | (*) | 8.0 | 12.5 | 8.0 | ..... | 6.0 | ..... | ..... |
| Barton | ..... | ..... | 1.0 | 5.3 | 6.5 | 10.0 | 3.0 | ..... | 6.5 | 32.3 |
| Batemans Ranch | ..... | 5.5 | T. | 11.8 | 11.5 | 18.7 | 17.9 | 10.9 | 27.0 | 103.3 |
| Bell Ranch | ..... | ..... | T. | 2.0 | 6.5 | T. | 2.0 | ..... | 7.4 | 17.9 |
| Black Lake | ..... | 6.0 | ..... | 4.6 | 4.0 | 4.0 | 3.0 | 9.7 | 12.6 | 43.9 |
| Blackrock | ..... | ..... | T. | 5.0 | 5.0 | 7.5 | 2.0 | 6.2 | 1.8 | 27.5 |
| Bland | ..... | ..... | T. | 1.0 | 8.0 | 9.0 | 6.0 | T. | 13.8 | 37.8 |
| Block Ranch Ranger Station | ..... | ..... | 6.0 | 0.5 | 5.0 | (*) | 0.4 | ..... | 3.0 | ..... |
| Bloomfield | ..... | ..... | T. | 6.2 | 8.9 | 2.5 | 0.5 | 0.3 | 0.7 | 19.1 |
| Bluewater | ..... | ..... | (*) | (*) | (*) | 4.0 | ..... | (*) | (*) | ..... |
| Boaz | ..... | ..... | 1.0 | 1.0 | 5.0 | 1.0 | 0.5 | ..... | ..... | 8.5 |
| Buchanan (near) | ..... | ..... | 1.0 | T. | 5.5 | 3.0 | 2.0 | ..... | 2.0 | 13.5 |
| Cabeza | ..... | ..... | 0.8 | 2.2 | 5.5 | 2.5 | 2.5 | T. | 12.0 | 25.5 |
| Cambray | ..... | ..... | ..... | ..... | 0.5 | ..... | ..... | ..... | ..... | 0.5 |
| Campana | ..... | ..... | 2.0 | 3.0 | 5.0 | 1.0 | 3.0 | ..... | 12.0 | 26.0 |
| Capitan | ..... | ..... | 6.0 | 2.0 | 14.0 | 4.8 | 0.2 | T. | ..... | 27.0 |
| Capulin Ranger Station | ..... | ..... | 3.0 | 7.5 | 12.8 | 20.1 | 5.1 | 3.0 | 2.0 | 53.5 |
| Carlsbad | ..... | ..... | 3.5 | T. | 1.2 | ..... | 2.5 | ..... | ..... | 7.2 |
| Carrizozo | ..... | ..... | 0.5 | T. | 0.9 | T. | 6.1 | ..... | ..... | 7.5 |
| Carson Seep Ranger Station | ..... | ..... | 8.0 | ..... | 2.5 | T. | 5.8 | T. | 3.0 | 19.3 |
| Chacon | ..... | T. | ..... | 13.0 | 4.5 | 8.5 | 3.5 | 4.0 | 23.0 | 56.5 |
| Chama | ..... | T. | 1.5 | 35.5 | 41.0 | 32.0 | 17.5 | 28.3 | 31.3 | 187.1 |
| Cimarron (near) | ..... | T. | 1.0 | 3.2 | 8.5 | 8.5 | 1.5 | 5.5 | 10.0 | 38.2 |
| Clayton | ..... | ..... | 1.5 | 2.2 | 6.5 | 7.5 | 8.0 | (*) | 6.0 | ..... |
| Cloudcroft | ..... | ..... | 8.0 | 14.0 | 19.0 | 30.5 | 3.0 | 2.0 | 4.0 | 80.5 |
| Cloverdale | ..... | ..... | ..... | 6.0 | (*) | 6.0 | ..... | ..... | ..... | ..... |
| Clovis | ..... | ..... | 0.8 | 1.5 | 6.5 | 0.8 | 1.0 | ..... | 1.2 | 11.8 |
| Columbus | ..... | ..... | T. | T. | T. | ..... | T. | ..... | ..... | T. |
| Corona | ..... | ..... | 5.0 | 3.0 | 10.5 | 10.5 | 4.0 | 2.5 | 4.0 | 39.5 |
| Costilla | ..... | ..... | 1.0 | (*) | (*) | (*) | 2.0 | (*) | (*) | ..... |
| Crown Point | ..... | ..... | 2.5 | 4.8 | 3.0 | 5.0 | 3.0 | 2.5 | T. | 20.8 |
| Crozier | ..... | ..... | ..... | T. | 15.5 | T. | ..... | ..... | ..... | 15.5 |
| Cuervo | ..... | ..... | 3.5 | 2.0 | 4.0 | T. | 1.5 | T. | 2.0 | 13.0 |
| Cundiyo | ..... | ..... | ..... | (*) | ..... | 7.0 | 6.0 | ..... | 1.0 | ..... |
| Dawson | ..... | ..... | 2.5 | 2.0 | 6.8 | 4.0 | 1.2 | 7.8 | 12.0 | 36.3 |
| Deming | ..... | ..... | ..... | ..... | T. | ..... | ..... | ..... | ..... | T. |
| Demonstration Farm | ..... | ..... | 1.2 | 3.2 | 6.0 | 9.5 | 2.5 | 3.0 | 7.5 | 32.9 |
| Des Moines | ..... | ..... | T. | 2.0 | 2.5 | 4.0 | 2.5 | 9.0 | 7.0 | 27.0 |
| Dulce | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 5.0 | ..... |
| Duran | ..... | ..... | 10.0 | 5.0 | 10.0 | 9.0 | 2.0 | 2.0 | 3.0 | 41.0 |
| Eagle Rock Ranger Station | ..... | ..... | ..... | 3.0 | 7.0 | (*) | 3.0 | 2.0 | 10.0 | ..... |
| Elida | ..... | ..... | ..... | ..... | 2.5 | ..... | ..... | ..... | ..... | 2.5 |
| Elizabethtown | ..... | (*) | 3.0 | 7.5 | 22.5 | 11.5 | 9.0 | 4.5 | 25.5 | ..... |
| Espanola | ..... | ..... | T. | 1.8 | 8.5 | 5.0 | 4.5 | ..... | ..... | 19.8 |
| Estancia | ..... | ..... | 3.2 | 2.5 | 2.0 | 9.2 | 3.2 | T. | 4.0 | 24.1 |
| Farmington | ..... | ..... | (*) | (*) | 7.0 | (*) | ..... | ..... | ..... | ..... |
| Felix | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *New Jersey*—Continued. | | | | | | | | | | |
| Fort Bayard | | | 0.1 | 4.0 | 10.5 | (*) | 0.4 | 3.5 | | |
| Fort Stanton | | | 4.0 | 3.4 | 3.5 | 6.0 | 3.0 | T. | 1.0 | 20.9 |
| Fort Sumner | | | (*) | 0.9 | 4.0 | T. | (*) | | | |
| Fort Union | | | T. | 1.0 | 1.8 | 4.0 | 0.8 | (*) | (*) | |
| Fruitland | | | | 0.5 | 8.2 | 2.0 | T. | | | 10.7 |
| Gage | | | | T. | 1.5 | | | | | 1.5 |
| Gallinas Planting Station | | | 2.1 | 11.0 | 6.0 | 30.0 | 6.0 | 3.0 | 18.0 | 76.0 |
| Gallinas Ranger Station | | | 11.0 | 4.0 | 20.0 | 20.0 | 6.0 | 7.0 | 2.0 | 70.0 |
| Gila | | | | 6.0 | 5.0 | | | | | 11.0 |
| Gila Planting Station | | | 2.0 | 10.3 | 14.2 | 4.8 | 0.2 | 5.5 | T. | 37.0 |
| Glorieta Ranch | | | 1.0 | 0.5 | 1.2 | 1.0 | 0.5 | 1.0 | | 5.2 |
| G. O. S. Ranch | | | (*) | (*) | (*) | (*) | (*) | 4.0 | | |
| Grogans Ranch | | | T. | 6.5 | 10.7 | (*) | | | | |
| Hachita | | | 1.0 | 3.0 | 1.0 | T. | | | | 5.0 |
| Harvey's Upper Ranch | | 6.2 | 2.9 | 13.0 | 31.0 | 30.5 | 5.0 | 16.8 | 35.1 | 140.5 |
| Hayden (near) | | | 3.5 | 4.0 | 6.0 | 3.5 | 2.0 | 0.5 | 5.0 | 24.5 |
| Haynes | | | (*) | (*) | (*) | 5.5 | 3.3 | 0.4 | 13.0 | |
| Hermanes | | | 4.0 | T. | T. | T. | | | | 4.0 |
| Hermosa | | | 2.0 | 6.0 | 6.0 | 8.0 | T. | | | 22.0 |
| Hobbs | | | 2.2 | T. | 3.0 | | 2.0 | | | 7.2 |
| Hollene | | | 3.0 | 3.0 | 5.0 | 2.0 | 1.0 | | 6.8 | 20.8 |
| Hondo Reservoir | | | 9.0 | T. | 1.2 | 0.5 | 0.5 | | T. | 11.2 |
| Hood Ranger Station | | | T. | 3.0 | 1.5 | 6.5 | T. | T. | | 11.0 |
| Hoosier Ranch | | | 1.8 | 3.8 | 3.5 | 3.2 | 2.5 | T. | 7.5 | 22.3 |
| Ima | | | 5.5 | 4.5 | 2.5 | (*) | (*) | (*) | (*) | |
| Ingleville | | | (*) | (*) | (*) | (*) | (*) | | 0.5 | |
| Ione | | | 3.2 | 3.6 | 2.6 | 3.2 | 2.5 | | 6.0 | 21.1 |
| Jemez Springs | | | 0.2 | 3.5 | 9.0 | 9.2 | 2.0 | | 1.5 | 25.4 |
| Kappus | | | | | 2.5 | 2.5 | 2.5 | | (*) | |
| Kingston Ranger Station | | | 0.2 | 9.0 | 17.0 | 6.0 | 2.0 | 0.5 | | 34.7 |
| Knowles (near) | (*) | (*) | (*) | (*) | 2.0 | | 1.0 | | | |
| Lagunita | | | 3.0 | 3.0 | 4.8 | 2.0 | 2.5 | T. | | 15.3 |
| Laguna | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | | |
| Lake Alice (near) | | T. | 3.3 | 5.5 | 7.5 | 4.6 | 3.0 | 13.0 | 12.5 | 49.4 |
| Lake Avalon | | | 3.0 | T. | 1.0 | | 0.5 | | | 4.5 |
| Lake Valley | | | 0.5 | 0.2 | 7.0 | 1.0 | 1.0 | | | 9.7 |
| Lakewood (near) | | | 4.0 | T. | 1.0 | | 2.0 | | | 7.0 |
| Lanark | | | | | 0.8 | | T. | | | 0.8 |
| Las Vegas | | | 0.9 | 2.1 | 6.5 | 9.5 | 1.8 | 1.5 | 8.0 | 30.3 |
| Logan | | | 3.0 | (*) | 3.0 | (*) | (*) | | 2.0 | |
| Lordsburg | | | | 0.5 | 2.2 | | | | | 27.0 |
| Los Lunas (near) | | | | | T. | T. | | | | T. |
| Lulu | | | (*) | (*) | (*) | (*) | | | | |
| Luna | | | 0.5 | (*) | (*) | 18.0 | (*) | (*) | 0.6 | |
| Lykins (near) | | | 2.0 | 3.0 | 6.0 | T. | T. | | 8.0 | 19.0 |
| Maxwell | | | T. | 0.8 | 2.0 | 5.5 | T. | 2.5 | (*) | |
| Mayhill Ranger Station | (*) | (*) | (*) | (*) | (*) | 1.5 | 1.0 | | T. | |
| Meek | | | 15.0 | 0.6 | 16.0 | 15.0 | 10.0 | | 10.0 | 66.6 |
| Melrose | | | 2.0 | 3.8 | 9.5 | 0.8 | (*) | | | |
| Miami Ranch | | | 1.2 | 3.0 | 3.0 | 6.5 | 0.8 | 9.5 | 9.0 | 33.0 |
| Mills, No. 1 | | | 2.0 | 3.0 | 2.8 | 8.0 | 4.0 | T. | 12.5 | 32.3 |
| Mills (near) | | | 1.5 | 2.0 | 3.0 | 6.0 | 1.5 | 1.0 | 8.0 | 23.0 |
| Mimbres | | | | T. | 10.5 | (*) | | 4.0 | T. | |
| Mineral Hill | | | 0.5 | 7.0 | 4.0 | 21.0 | 4.0 | 8.0 | 16.0 | 60.5 |
| Mogollon Ranger Station | | | | 9.0 | 11.2 | 13.5 | (*) | 6.2 | | |
| Montoya | | | 0.8 | 3.0 | 1.5 | 2.0 | 3.0 | | 8.0 | 18.5 |
| Morairty (near) | | | 2.0 | 3.2 | 1.5 | 8.5 | 2.0 | T. | 3.0 | 20.2 |
| Mosquero | | | 4.2 | 3.5 | 3.8 | 6.0 | 2.0 | T. | 10.0 | 29.5 |
| Mountain Park | | | 2.0 | 4.5 | 5.5 | 4.0 | T. | 1.5 | 0.5 | 18.0 |
| Mountainair | (*) | (*) | (*) | (*) | 6.5 | 15.0 | 3.0 | 1.5 | 2.0 | |
| Nara Visa | | | 1.1 | 1.1 | (*) | 5.0 | 1.0 | (*) | 7.0 | |
| Newman | | | 1.0 | | | | | | | 1.0 |
| Nogal (near) | | | 7.0 | 10.0 | 23.0 | 13.0 | 7.0 | 4.0 | 5.0 | 69.0 |
| Noria | | | | | 0.1 | | T. | | | 0.1 |
| Orogrande | | | | T. | 2.0 | T. | 2.5 | | | 4.5 |
| Oscura, No. 1 | | | 1.0 | | 2.2 | T. | | | | 3.2 |
| Oscura, No. 2 | | | 1.0 | 0.5 | 2.9 | | 0.2 | | | 4.6 |
| Palma | | | 3.0 | T. | 5.0 | 9.0 | 3.0 | T. | 12.0 | 32.0 |
| Palo Verde | | | 3.0 | 4.2 | 2.8 | 7.0 | 2.7 | .08 | 8.0 | 28.5 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *New Mexico*—Continued. | | | | | | | | | | |
| Pasamonte | | | | 1.5 | 5.0 | 6.0 | 7.0 | (*) | 6.0 | |
| Pastura | | | 2.5 | 2.0 | 4.0 | 6.5 | 2.0 | 1.0 | T. | 18.0 |
| Pearl | | | 6.0 | | 2.0 | | 1.0 | | | 9.0 |
| Pecos | | | | 6.0 | (*) | 10.0 | 1.0 | 6.0 | 10.0 | |
| Pinon (near) | | | 2.0 | 0.5 | 5.0 | T. | 1.0 | T. | T. | 8.5 |
| Pinos Altos (near) | | | T. | 14.0 | 21.5 | 20.5 | 1.5 | 7.0 | 8.0 | 72.5 |
| Pleasant View | | | 2.0 | 4.2 | 4.0 | 6.0 | 3.0 | T. | 8.0 | 27.2 |
| Portales (near) | | | 0.8 | 1.5 | 4.2 | 0.8 | 0.5 | | 3.0 | 10.8 |
| Raton | | | 0.5 | 3.2 | 7.5 | 5.2 | 4.2 | 6.5 | 3.0 | 30.1 |
| Red River Canyon | | 3.0 | 2.0 | 9.0 | 16.0 | 7.5 | 23.0 | 37.0 | 53.0 | 150.5 |
| Redrock | | | | 5.0 | (*) | T. | | | | |
| Regina | | T. | (*) | (*) | 5.0 | 7.5 | T. | 3.0 | (*) | |
| Richland (near) | | | T. | T. | 3.0 | | T. | | 0.1 | 3.1 |
| Rincon | | | | | (*) | (*) | (*) | | (*) | |
| Rio Grande Dam | | | T. | T. | 1.8 | T. | | | | 1.8 |
| Rio Grande Industrial School | | | T. | 0.5 | 1.0 | 1.0 | 0.5 | | | 3.0 |
| Rociada | | | | 3.0 | 12.0 | 10.0 | 3.0 | 6.0 | 27.0 | 61.0 |
| Rodeo | | | | T. | (*) | | | | | |
| Rosedale | | | 2.0 | 4.0 | 8.5 | 5.0 | T. | | | 19.5 |
| Roswell | | | 3.1 | T. | 2.3 | 1.5 | 2.3 | | T. | 9.2 |
| Roy | | | 1.0 | 8.0 | 9.0 | 6.0 | 3.5 | 1.2 | 15.0 | 43.7 |
| Saint Vrain | | | 1.5 | 1.2 | 5.2 | 0.8 | 0.6 | | 3.0 | 12.3 |
| San Antone Ranger Station | (*) | (*) | (*) | (*) | (*) | 17.3 | 10.0 | 2.7 | 3.0 | |
| San Jon | | | 3.8 | T. | 6.0 | (*) | 3.0 | T. | 6.0 | |
| San Jose (near) | | | T. | 4.5 | 2.5 | 10.5 | 8.0 | 3.5 | 11.5 | 40.5 |
| San Marcial | | | T. | T. | 5.5 | | | | | 5.5 |
| Santa Fe | | | 1.4 | 5.4 | 3.4 | 4.5 | 3.6 | 0.5 | 0.1 | 19.0 |
| Santa Fe Canyon | | | 1.5 | (*) | (*) | (*) | (*) | (*) | (*) | |
| Santa Rosa, No. 1 | | | 1.0 | 0.5 | (*) | (*) | (*) | (*) | (*) | |
| Santa Rosa, No. 2 | | | 3.0 | 1.0 | 10.0 | T. | T. | | | 14.0 |
| Schuster Springs Ranger Station | | 3.0 | 2.0 | 11.0 | 20.5 | 15.0 | 6.0 | 9.5 | T. | 67.0 |
| Senorito (near) | | 2.0 | 1.5 | 13.5 | 26.0 | 11.0 | 8.5 | 12.0 | 13.0 | 87.5 |
| Silver City | | | T. | 7.8 | 14.4 | 6.6 | 0.5 | T. | | 29.3 |
| Skeleton Canyon Ranger Station | | | | 2.8 | (*) | | | (*) | | |
| Socorro | | | T. | | (*) | (*) | | | | |
| Solano, No. 1 | | | 6.0 | 5.5 | 7.0 | 8.0 | 5.0 | 2.0 | 10.0 | 43.5 |
| Solano, No. 2 | | | 2.0 | 4.5 | 6.0 | 7.5 | 5.0 | 1.0 | 10.0 | 36.0 |
| Springer | | | | 0.8 | 2.0 | 3.0 | (*) | 3.0 | 10.0 | |
| Stanley | | | | 2.0 | 2.0 | 3.0 | | | (*) | |
| Tajique (near) | | 10.0 | 2.5 | 5.0 | 17.5 | 38.5 | 12.5 | 18.0 | 16.5 | 120.5 |
| Taos | | | T. | 8.8 | 10.9 | 3.0 | 1.6 | 7.0 | 7.0 | 38.3 |
| Taos Canyon | | 0.5 | 0.5 | 20.0 | 14.0 | 8.8 | 7.2 | 17.0 | 12.0 | 80.0 |
| Taylor | | | 0.8 | 1.0 | 2.6 | 9.6 | 2.5 | 1.0 | 12.0 | 29.5 |
| Tecolote | | | 10.0 | 9.0 | 26.0 | 10.0 | 5.0 | | | 60.0 |
| Texico (near) | | | 3.5 | | 3.0 | T. | 1.0 | | 2.0 | 9.5 |
| Three Rivers | | | 2.5 | | 3.0 | T. | | | | 5.5 |
| Tijeras Canyon | | T. | 1.0 | 1.2 | 6.5 | 7.2 | T. | T. | T. | 15.9 |
| Torrance | | | 10.5 | 2.8 | 7.8 | 7.5 | 4.5 | 0.5 | 3.0 | 36.6 |
| Trementina | | | 4.0 | 2.0 | 7.5 | 0.5 | 1.0 | (*) | (*) | |
| Tres Piedras | | | T. | 12.0 | 19.0 | 20.5 | (*) | (*) | (*) | |
| Truchas | | | | 8.5 | 4.8 | 6.5 | 10.0 | 9.0 | 5.0 | 43.8 |
| Trujillo (near) | | | 6.0 | 6.0 | 3.0 | 4.6 | 2.0 | | 18.0 | 41.6 |
| Tucumcari (near) | | | 2.8 | 1.5 | 7.5 | 0.2 | 2.7 | | 5.0 | 19.7 |
| Tucumcari | | | 2.8 | 1.5 | 7.5 | 1.2 | 6.5 | | 8.0 | 27.5 |
| Tularosa | | | 1.0 | 0.3 | T. | T. | | | | 1.3 |
| Turney's Ranch | | | 1.0 | | 2.0 | | T. | | | 3.0 |
| Tyrone | | | 2.5 | 10.0 | 13.0 | 2.5 | | | | 28.0 |
| Valley | | | T. | (*) | 1.3 | (*) | 0.5 | 1.0 | (*) | |
| Valmora | (*) | (*) | (*) | (*) | (*) | (*) | 2.3 | 1.1 | 8.0 | |
| Vance (near) | | | 3.0 | 4.0 | 4.0 | 4.0 | 8.0 | T. | 6.0 | 29.0 |
| Vaughn | | | 10.5 | 4.0 | 4.0 | 7.5 | 0.5 | 0.5 | T. | 27.0 |
| Vermejo Park | | 6.0 | 0.5 | 9.5 | 10.0 | 7.2 | 9.0 | 24.0 | 12.0 | 78.2 |
| Virsylvia | | | | (*) | (*) | (*) | (*) | (*) | (*) | |
| Wagon Mound (near) | | | | 3.8 | (*) | 6.4 | 1.4 | T. | 9.0 | |
| Weed Ranger Station | | | 6.8 | 1.7 | 3.5 | 1.2 | 1.2 | | T. | 14.4 |
| Whitetail | | | 6.0 | 6.2 | 10.4 | 9.5 | 2.9 | 2.2 | 3.0 | 40.2 |
| Willard | | | 3.1 | 2.5 | 3.9 | 4.3 | 2.0 | | 2.5 | 18.3 |
| Winsors Ranch | | | T. | 5.0 | 19.0 | 20.0 | 2.0 | 12.0 | 20.0 | 78.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *New York.* | | | | | | | | | | |
| Adams Center | ..... | 0.5 | 9.0 | 38.5 | 31.5 | 39.5 | 22.5 | 4.0 | 5.0 | 150.5 |
| Addison | ..... | ..... | 1.6 | 4.8 | 3.3 | 5.6 | 6.5 | T. | ..... | 21.8 |
| Albany | ..... | ..... | 0.3 | 4.1 | 4.7 | 15.0 | 16.3 | T. | ..... | 40.4 |
| Alfred | ..... | T. | 8.0 | 10.9 | 10.2 | 9.6 | 15.7 | 5.6 | 7.6 | 67.6 |
| Amsterdam | ..... | ..... | 3.0 | 4.0 | 6.5 | 12.0 | 19.0 | 3.0 | T. | 47.5 |
| Angelica | ..... | ..... | 13.0 | 17.0 | 16.0 | 15.0 | 9.0 | 3.0 | T. | 73.0 |
| Appleton | ..... | ..... | 2.4 | 22.7 | 16.8 | 19.2 | 5.0 | 2.0 | T. | 68.1 |
| Athens | ..... | ..... | T. | 6.0 | 3.0 | 8.0 | 13.0 | T. | T. | 30.0 |
| Auburn | ..... | ..... | 11.0 | 21.7 | 12.9 | 18.4 | 12.7 | 1.3 | T. | 78.0 |
| Avon | ..... | ..... | 7.0 | 17.5 | 13.3 | 8.5 | 5.2 | 1.2 | ..... | 52.7 |
| Bainbridge | ..... | ..... | 1.7 | (*) | 7.7 | 7.6 | 14.9 | (*) | ..... | ..... |
| Ballston Lake | ..... | ..... | 2.8 | 8.4 | 8.0 | 12.5 | 14.3 | T. | T. | 46.0 |
| Bedford Hills | ..... | ..... | ..... | 12.7 | (*) | 16.5 | 10.8 | (*) | ..... | ..... |
| Beerston | ..... | ..... | 1.5 | 8.6 | 8.0 | 10.5 | 16.5 | 0.5 | 2.0 | 47.6 |
| Binghamton | ..... | ..... | 2.2 | 7.1 | 6.5 | 5.6 | 11.4 | 4.8 | T. | 37.6 |
| Bolivar | ..... | ..... | 13.0 | 21.5 | 10.0 | 18.0 | 14.5 | 2.0 | T. | 79.0 |
| Brockport | ..... | ..... | 13.5 | 22.5 | 24.0 | 18.0 | 16.4 | 5.5 | ..... | 99.9 |
| Buffalo | ..... | ..... | 8.5 | 28.8 | 16.8 | 17.7 | 13.5 | 1.5 | T. | 86.8 |
| Canisius College | ..... | ..... | 3.5 | (*) | 18.7 | 21.4 | 13.3 | ..... | ..... | ..... |
| Canton | ..... | T. | 3.0 | 23.5 | 18.9 | 15.0 | 11.7 | 1.8 | T. | 73.9 |
| Carmel | ..... | ..... | ..... | 14.0 | 4.0 | 14.2 | 11.5 | ..... | ..... | 43.7 |
| Cazenovia | ..... | ..... | 9.5 | 31.0 | 15.5 | 27.0 | 22.5 | 4.5 | T. | 110.0 |
| Chatham | ..... | ..... | ..... | 9.0 | 4.5 | (*) | 10.5 | T. | T. | ..... |
| Chazy | ..... | T. | 4.5 | 13.0 | 8.0 | 1.5 | 8.0 | ..... | ..... | 35.0 |
| Cooperstown | ..... | ..... | 1.0 | 21.1 | 16.5 | 11.9 | 19.7 | 5.0 | T. | 75.2 |
| Corinth | ..... | ..... | 7.0 | 5.0 | 20.0 | 12.0 | 20.0 | 1.5 | ..... | 65.5 |
| Cortland | ..... | ..... | 3.2 | 12.8 | 12.5 | 7.9 | 11.7 | 6.0 | ..... | 54.1 |
| Cutchogue | ..... | ..... | T. | 6.0 | 5.5 | 9.5 | 17.0 | 12.0 | ..... | 50.0 |
| Dannemora | ..... | ..... | 4.8 | 22.4 | 45.4 | 31.6 | 31.3 | 5.7 | 0.1 | 141.3 |
| De Ruyter | ..... | ..... | 1.6 | 14.4 | 15.8 | 14.5 | 17.2 | 4.3 | T. | 67.8 |
| Elba | ..... | ..... | 12.0 | 31.0 | 29.0 | 34.0 | 14.0 | 8.0 | T. | 128.0 |
| Elmira | ..... | ..... | 3.5 | 4.6 | 5.0 | 6.5 | 9.8 | 1.0 | T. | 30.4 |
| Farmingdale | (*) | (*) | (*) | 1.2 | 4.3 | 3.3 | 6.1 | (*) | (*) | ..... |
| Fayetteville | ..... | ..... | 6.0 | 12.0 | 6.0 | 9.5 | 11.0 | T. | T. | 44.5 |
| Fishs Eddy | ..... | ..... | 1.5 | 12.5 | 6.5 | (*) | (*) | (*) | (*) | ..... |
| Flushing | ..... | ..... | 0.1 | 17.0 | 6.1 | 9.6 | 16.7 | 6.2 | ..... | 55.7 |
| Fredonia | ..... | ..... | 11.5 | 24.3 | 10.7 | 15.1 | 9.1 | 4.6 | ..... | 75.3 |
| Freeville | ..... | ..... | 1.1 | 1.9 | (*) | (*) | (*) | (*) | (*) | ..... |
| Gabriels | ..... | 0.5 | 11.0 | 43.5 | 41.5 | 23.3 | 34.5 | 7.9 | 9.2 | 171.4 |
| Geneva | ..... | ..... | 7.0 | 17.2 | 12.5 | 9.5 | 12.0 | 4.0 | ..... | 62.2 |
| Glens Falls, No. 1 | ..... | ..... | 4.0 | 6.8 | 18.7 | 13.2 | 16.5 | T. | ..... | 59.2 |
| Glens Falls, No. 2 | ..... | ..... | 4.0 | 5.0 | 22.0 | 12.5 | 16.5 | (*) | ..... | ..... |
| Gloversville | ..... | T. | 10.5 | 8.3 | 20.5 | 13.0 | 24.5 | 1.0 | 0.5 | 78.3 |
| Greenfield Center | ..... | ..... | 5.0 | 7.0 | 14.0 | 16.0 | 11.0 | (*) | ..... | ..... |
| Harkness | ..... | T. | 9.5 | 19.5 | 9.0 | 7.0 | 13.9 | 2.5 | ..... | 61.4 |
| Haskinville | ..... | ..... | 6.8 | 9.8 | 6.3 | 7.2 | 6.6 | 7.2 | 9.8 | 53.7 |
| Hemlock | ..... | ..... | 5.0 | T. | 14.8 | 9.5 | 8.0 | T. | ..... | 37.3 |
| Homestead Sanatorium | ..... | (*) | 5.1 | 5.3 | 12.5 | 11.2 | 22.5 | 3.0 | 1.0 | ..... |
| Hoosick Falls | ..... | ..... | 1.0 | 6.0 | (*) | 8.0 | (*) | (*) | (*) | ..... |
| Hunt | ..... | ..... | 15.0 | 16.0 | 12.0 | 10.0 | 8.0 | 3.0 | 4.0 | 68.0 |
| Indian Lake | ..... | ..... | 20.0 | 17.9 | 19.0 | 7.5 | 11.1 | 1.2 | ..... | 75.8 |
| Ithaca | ..... | ..... | 4.3 | 8.2 | 13.3 | 5.8 | 9.1 | 0.6 | 0.8 | 42.1 |
| Jeffersonville | ..... | ..... | T. | 12.0 | 8.0 | 10.0 | 16.0 | 2.0 | ..... | 48.0 |
| Keene Valley | ..... | T. | 9.0 | 25.0 | 21.0 | 13.0 | 26.0 | 1.0 | ..... | 95.0 |
| Lake George | ..... | ..... | 3.2 | 5.4 | 20.0 | 14.6 | 17.1 | 0.3 | (*) | ..... |
| Lake Placid Club | 0.5 | 0.7 | 11.5 | 36.4 | 48.8 | 31.9 | 50.8 | 22.2 | 17.5 | 220.3 |
| Lauterbrunnen | ..... | ..... | 13.7 | 16.2 | 12.2 | 5.5 | 7.0 | 5.0 | T. | 59.6 |
| Liberty | ..... | (*) | 1.0 | 12.0 | 12.8 | 14.5 | 16.0 | 2.0 | T. | ..... |
| Little Falls | ..... | ..... | 6.5 | 23.0 | 18.0 | 13.0 | 30.0 | T. | ..... | 90.5 |
| Lockport | ..... | ..... | 8.5 | 19.0 | 16.0 | 18.0 | 8.5 | 3.0 | ..... | 73.0 |
| Lowville | T. | T. | 8.8 | 22.2 | 24.6 | 26.0 | 16.5 | 2.0 | 2.0 | 102.1 |
| Mechanicsville | ..... | ..... | 1.0 | 5.0 | 6.0 | 13.0 | 14.0 | ..... | ..... | 39.0 |
| Medford | ..... | ..... | 0.2 | 5.2 | 2.0 | 8.5 | 12.2 | ..... | ..... | 28.1 |
| Mohonk Lake | ..... | ..... | ..... | 13.5 | 12.1 | 16.0 | 13.5 | 2.0 | ..... | 57.1 |
| Moira | ..... | 0.5 | 3.0 | 28.5 | 46.0 | 26.0 | 23.0 | 4.0 | 8.0 | 139.0 |
| Morrisville | ..... | ..... | 14.0 | 29.0 | 15.0 | 16.0 | 19.0 | (*) | ..... | ..... |
| Mount Hope | ..... | ..... | T. | 15.0 | T. | 13.0 | 17.0 | 5.0 | ..... | 50.0 |
| Mount McGregor | ..... | ..... | 2.5 | 5.0 | 14.8 | 9.8 | 9.0 | T. | ..... | 41.1 |
| Mount Vernon | ..... | ..... | 0.1 | 15.4 | 7.0 | 10.6 | 16.3 | 6.3 | ..... | 55.7 |
| Newark Valley | ..... | ..... | 4.5 | 7.5 | 9.0 | 6.5 | 14.5 | T. | 1.0 | 43.0 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *New York*—Continued. | | | | | | | | | | |
| New Berlin | ..... | ..... | 3.0 | 13.0 | 16.0 | 9.0 | 11.5 | 1.0 | T. | 53.5 |
| New Lisbon | ..... | ..... | 4.0 | 10.0 | 10.0 | 6.0 | 17.0 | 4.0 | T. | 51.0 |
| New York | ..... | ..... | T. | 13.7 | 5.9 | 12.2 | 11.4 | 6.5 | ..... | 49.7 |
| North Lake | ..... | T. | 19.7 | 44.5 | 43.0 | 40.0 | 51.0 | 7.0 | 1.0 | 206.2 |
| Northville | ..... | ..... | 8.0 | 9.0 | 22.0 | 17.0 | 17.5 | ..... | ..... | 73.5 |
| Norwich | ..... | ..... | 5.0 | 13.0 | 12.0 | 8.5 | 20.5 | 2.0 | T. | 61.0 |
| Ogdensburg | ..... | ..... | T. | 18.3 | 20.2 | (*) | 11.2 | 5.5 | T. | ..... |
| Olean | ..... | ..... | 6.0 | 22.0 | 7.5 | 14.0 | 20.0 | 4.0 | T. | 73.5 |
| Oneonta | ..... | ..... | 0.9 | 11.0 | 8.5 | 6.3 | 12.5 | 4.0 | ..... | 43.2 |
| Oswego | ..... | ..... | 7.7 | 25.7 | 24.7 | 39.6 | 9.1 | 2.2 | T. | 109.0 |
| Palermo | ..... | ..... | 18.3 | 19.9 | 20.1 | 44.4 | 14.4 | 9.4 | T. | 126.5 |
| Perrysburg | ..... | ..... | 19.0 | 50.5 | 28.1 | 25.0 | 16.5 | 5.0 | 1.0 | 145.1 |
| Philadelphia | T. | T. | 5.0 | 18.0 | 24.0 | 12.5 | 11.0 | 1.0 | T. | 71.5 |
| Port Jervis, No. 1 | ..... | ..... | 0.6 | 12.8 | 5.0 | 9.6 | 17.8 | 2.0 | T. | 47.8 |
| Port Jervis, No. 2 | ..... | ..... | 0.5 | 15.0 | 1.5 | (*) | (*) | (*) | (*) | ..... |
| Raquette Lake | T. | T. | 12.9 | 43.0 | 42.6 | 19.0 | 30.0 | 5.2 | 4.5 | 157.2 |
| Rhinebeck | ..... | ..... | 0.8 | 10.2 | 6.2 | 16.5 | 10.5 | ..... | ..... | 44.2 |
| Rochester | ..... | ..... | 11.7 | 24.9 | 22.7 | 16.7 | 14.6 | 2.3 | T. | 92.9 |
| Rome | ..... | ..... | 17.9 | 20.0 | 22.6 | 18.1 | 17.1 | 0.5 | ..... | 96.2 |
| Romulus | ..... | (*) | 4.0 | 10.7 | 10.2 | 7.0 | 9.0 | 3.0 | ..... | ..... |
| Roslyn | ..... | ..... | T. | 11.0 | 8.0 | 11.4 | 21.0 | 5.0 | ..... | 56.4 |
| Roxbury | ..... | ..... | 4.5 | 21.4 | 15.7 | 19.7 | 19.8 | 5.3 | 3.0 | 89.4 |
| Salisbury | ..... | ..... | 23.0 | 19.0 | 20.0 | 8.0 | 27.0 | 1.0 | T. | 98.0 |
| Scarsdale | ..... | ..... | T. | 17.0 | 7.0 | 11.0 | 22.0 | 4.0 | ..... | 61.0 |
| Setauket | ..... | ..... | T. | 4.0 | 4.6 | 6.1 | 23.5 | 5.0 | ..... | 43.2 |
| Sharon Springs, No. 1 | ..... | ..... | 3.5 | 16.0 | 14.0 | 13.0 | 25.0 | 1.0 | 1.0 | 73.5 |
| Sharon Springs, No. 2 | ..... | ..... | 11.0 | 19.0 | 21.0 | 8.0 | 23.0 | 3.0 | 4.0 | 89.0 |
| Sherburne | ..... | ..... | (*) | (*) | (*) | 12.0 | 13.2 | 0.5 | (*) | ..... |
| Shortsville | ..... | ..... | 6.0 | 14.4 | 5.5 | 8.0 | 5.1 | 2.0 | ..... | 41.0 |
| Southampton | ..... | ..... | 0.1 | 5.8 | 2.8 | 7.9 | 23.0 | 11.0 | T. | 50.6 |
| Spier Falls | ..... | ..... | (*) | 6.4 | 13.4 | 9.5 | 16.6 | ..... | ..... | ..... |
| Syracuse | ..... | ..... | 10.3 | 19.8 | 22.4 | 22.8 | 12.4 | 3.0 | T. | 90.7 |
| Trenton Falls | ..... | ..... | 18.5 | (*) | 8.0 | (*) | 13.0 | T. | T. | ..... |
| Tribeshill | ..... | ..... | 1.2 | 6.0 | 10.0 | 13.0 | 18.0 | (*) | ..... | ..... |
| Troy | ..... | ..... | 3.2 | 4.5 | 4.5 | 11.0 | 8.5 | ..... | ..... | 31.7 |
| Utica | ..... | ..... | 13.0 | 19.4 | 16.3 | 29.0 | 23.5 | 0.5 | T. | 101.7 |
| Volusia | ..... | T. | 32.0 | 32.0 | 14.0 | 17.0 | 20.0 | 13.0 | 3.0 | 131.0 |
| Wanakena | T. | 0.2 | 10.0 | (*) | 46.1 | 20.0 | 33.0 | 1.0 | 1.0 | ..... |
| Wappinger Falls | ..... | ..... | 2.0 | 18.0 | 5.0 | 14.0 | 10.0 | T. | ..... | 49.0 |
| Warwick | ..... | ..... | T. | 16.0 | 5.0 | 11.0 | 21.0 | T. | ..... | 53.0 |
| Watertown | T. | T. | 10.5 | 29.5 | 28.0 | 21.0 | 8.0 | T. | T. | 97.0 |
| Wedgwood | ..... | ..... | 4.5 | 7.3 | 6.5 | 5.0 | 12.5 | 6.0 | 4.0 | 45.8 |
| West Berne | ..... | ..... | (*) | 7.5 | 12.0 | 12.0 | 14.5 | 3.0 | 2.0 | ..... |
| Westfield | ..... | ..... | 24.0 | 27.0 | 18.0 | 17.0 | 13.0 | 6.0 | ..... | 105.0 |
| West Point | ..... | ..... | T. | 11.0 | 5.5 | 14.0 | 24.0 | ..... | ..... | 54.5 |
| York | ..... | ..... | 4.0 | 15.4 | 17.7 | 9.8 | 9.8 | 2.3 | T. | 59.0 |
| *North Carolina.* | | | | | | | | | | |
| Albemarle | ..... | ..... | ..... | 2.0 | T. | 1.0 | ..... | ..... | ..... | 3.0 |
| Altapass | ..... | ..... | ..... | 8.5 | 5.7 | 5.8 | 0.5 | ..... | T. | 20.5 |
| Andrews | ..... | ..... | ..... | 7.4 | 1.2 | 5.0 | 0.3 | ..... | ..... | 13.9 |
| Asheville | ..... | ..... | ..... | 4.3 | 2.0 | 2.1 | 0.6 | T. | ..... | 9.0 |
| Banners Elk | ..... | ..... | ..... | 22.0 | 4.0 | 5.0 | 4.0 | 0.5 | T. | 35.5 |
| Beaufort | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Belhaven | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Blantyre | ..... | ..... | ..... | 6.5 | (*) | (*) | (*) | (*) | (*) | ..... |
| Blowing Rock | ..... | ..... | ..... | 9.5 | (*) | (*) | (*) | (*) | (*) | ..... |
| Brevard | ..... | ..... | ..... | 7.8 | T. | 1.0 | 0.2 | ..... | ..... | 9.0 |
| Brewers | ..... | ..... | ..... | 5.5 | 1.0 | 1.0 | T. | ..... | ..... | 7.5 |
| Bryson City | ..... | ..... | ..... | 6.0 | 0.5 | 1.2 | 0.5 | ..... | ..... | 8.2 |
| Cane River | ..... | ..... | ..... | 10.2 | (*) | (*) | (*) | (*) | (*) | ..... |
| Caroleen | ..... | ..... | ..... | 2.5 | 0.5 | T. | ..... | ..... | ..... | 3.0 |
| Chapel Hill | ..... | ..... | ..... | 1.5 | 0.5 | 2.0 | ..... | ..... | ..... | 4.0 |
| Charlotte | ..... | ..... | ..... | 0.8 | T. | 0.2 | ..... | ..... | ..... | 1.0 |
| Chimney Rock | ..... | ..... | ..... | 4.0 | 1.5 | ..... | ..... | ..... | ..... | 5.5 |
| Cullowhee | ..... | ..... | ..... | 4.5 | 0.5 | 1.2 | T. | ..... | ..... | 6.2 |
| Durham (near) | ..... | ..... | ..... | 2.0 | T. | 4.0 | ..... | ..... | ..... | 6.0 |
| Eagletown | ..... | ..... | ..... | 0.5 | T. | 2.5 | ..... | ..... | ..... | 3.0 |
| Edenton | ..... | ..... | ..... | T. | T. | T. | ..... | ..... | ..... | T. |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *North Carolina*—Continued. | | | | | | | | | | |
| Elizabeth City | | | | | T. | 1.0 | | | | 1.0 |
| Elizabethtown | | | | | T. | | | | | T. |
| Elkin | | | | 5.5 | T. | T. | T. | | | 5.5 |
| Ellijay | | | | 2.0 | (*) | 1.7 | T. | | | |
| Enfield | | | | 0.2 | 0.8 | 0.5 | | | | 1.5 |
| Fayetteville | | | | | T. | 0.2 | | | | 0.2 |
| Globe | | | | 9.0 | (*) | (*) | (*) | (*) | (*) | |
| Goldsboro | | | | | T. | 0.5 | | | | 0.5 |
| Gorge | | | | 7.3 | 0.3 | 0.2 | 0.1 | | | 7.9 |
| Graham | | | | 3.0 | | 2.0 | | | | 5.0 |
| Greensboro | | | | 2.5 | 2.0 | 2.0 | | | | 6.5 |
| Greenville | | | | T. | 0.2 | 2.0 | | | | 2.2 |
| Hatteras | | | | | | 0.1 | | | | 0.1 |
| Henderson | | | | 2.5 | 0.5 | 3.0 | | | | 6.0 |
| Hendersonville | | | | 4.0 | (*) | 0.5 | T. | | | |
| Hickory | | | | 3.5 | T. | 0.1 | | | | 3.6 |
| Highlands | | | | 10.8 | 0.5 | 0.2 | T. | T. | | 11.5 |
| Hot Springs | | | | 7.0 | 1.0 | 8.0 | | | | 16.0 |
| Jefferson | | | | 10.7 | 2.0 | T. | 0.2 | 0.2 | | 13.1 |
| Kingston | | | | | T. | 2.0 | | | | 2.0 |
| Lenoir | | | | 5.0 | T. | 0.5 | | | | 5.5 |
| Lillington | | | | T. | T. | | | | | T. |
| Lincolnton | | | | 2.5 | 1.5 | 0.5 | | | | 4.5 |
| Louisburg | | | | 0.2 | T. | | | | | 0.2 |
| Lumberton | | | | | | 0.1 | | | | 0.1 |
| Manteo | | | | | | 0.1 | | | | 0.1 |
| Marion | | | | 7.3 | 4.6 | 0.5 | T. | | | 12.4 |
| Marshall | | | | 2.3 | 0.5 | 0.5 | | | | 3.3 |
| Moncure | | | | 0.5 | T. | T. | | | | 0.5 |
| Monroe | | | | | T. | | | | | T. |
| Montreat | (*) | (*) | (*) | (*) | (*) | 0.9 | T. | | | |
| Morganton | | | | 6.6 | 1.0 | 0.5 | T. | | | 8.1 |
| Mount Airy | | | | 5.0 | T. | | | | | 5.0 |
| Mount Holly | | | | 3.0 | T. | 0.5 | | | | 3.5 |
| Murphy | | | | 3.0 | T. | 0.8 | | | | 3.8 |
| Nashville | | | | | T. | T. | | | | T. |
| Neuse | | | | 1.0 | 0.2 | T. | | | | 1.2 |
| New Bern | | | | | T. | T. | | | | T. |
| North Wilkesboro (near) | | | | 6.0 | (*) | (*) | (*) | (*) | (*) | |
| Pinehurst | | | | T. | | T. | | | | T. |
| Raleigh | | | | 0.3 | T. | 0.9 | | | | 1.2 |
| Randleman | | | | 3.5 | | 3.0 | | | | 6.5 |
| Reidsville | | | | 6.0 | | 0.6 | | | | 6.6 |
| Rock House | | | | 7.6 | 1.0 | 1.3 | 0.5 | T. | | 10.4 |
| Rockingham | | | | | | | | | | 0.0 |
| Rocky Mount | | | | | | T. | | | | T. |
| Rougemont | | | | 2.5 | | 1.5 | | | | 4.0 |
| Salisbury | | | | 2.5 | | 0.2 | | | | 2.7 |
| Sanatorium | | | | | T. | T. | | | | T. |
| Scotland Neck | | | | 0.7 | 0.5 | 3.3 | 0.2 | | | 4.7 |
| Settle | | | | 4.0 | T. | T. | | | | 4.0 |
| Siler City | | | | 0.5 | T. | 0.5 | | | | 1.0 |
| Sloan | | | | | T. | T. | | | | T. |
| Smithfield | | | | T. | T. | 0.8 | | | | 0.8 |
| Southern Pines | | | | T. | T. | (*) | (*) | (*) | | |
| Southport | | | | | | T. | | | | T. |
| Statesville | | | | 2.0 | 0.5 | 1.0 | | | | 3.5 |
| Swan Quarter | | | | T. | T. | T. | | | | T. |
| Tarboro | | | | T. | 0.5 | 1.5 | | | | 2.0 |
| Transon | | | | 10.5 | (*) | (*) | (*) | (*) | (*) | |
| Tryon (near) | | | | 4.9 | T. | 0.2 | | | | 5.1 |
| Waynesville | | | | 7.0 | 2.0 | 3.0 | 0.1 | | | 12.1 |
| Weldon | | | | 3.0 | T. | 3.0 | | | | 6.0 |
| Wenona | | | | | 0.1 | 0.8 | | | | 0.9 |
| Willard | | | | | T. | | | | | T. |
| Wilmington | | | | | T. | T. | | | | T. |
| Wilson | | | | T. | T. | 2.5 | | | | 2.5 |
| Winston-Salem | | | | 2.7 | 1.0 | 1.1 | T. | | | 4.8 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *North Dakota.* | | | | | | | | | | |
| Alexander | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Amenia | ..... | ..... | 0.5 | 10.5 | 4.5 | 8.5 | 1.5 | (*) | ..... | ..... |
| Ashley | ..... | T. | 2.0 | 19.0 | 12.0 | 5.0 | 15.0 | 4.0 | ..... | 57.0 |
| Beach | ..... | ..... | ..... | (*) | (*) | (*) | (*) | 0.2 | 2.0 | ..... |
| Berthold Agency | ..... | T. | 2.5 | 17.5 | 6.9 | 9.7 | 1.1 | 8.2 | ..... | 45.9 |
| Bierman | ..... | 3.5 | 0.5 | 7.3 | 7.8 | 8.0 | 6.5 | 1.5 | 3.5 | 38.6 |
| Bismarck | ..... | 0.2 | 0.8 | 21.7 | 11.6 | 6.9 | 5.6 | 6.0 | ..... | 52.8 |
| Bottineau | ..... | 1.0 | 3.0 | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Bowbells | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Bowman | ..... | 1.0 | 0.8 | 16.0 | 13.0 | (*) | 7.0 | (*) | 1.0 | ..... |
| Buford | ..... | T. | (*) | (*) | (*) | (*) | (*) | (*) | T. | ..... |
| Cando | ..... | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Carson | ..... | 0.5 | 0.6 | 11.0 | 5.2 | 1.1 | 8.0 | 9.4 | ..... | 35.8 |
| Colgate | T. | 6.0 | 2.5 | 9.5 | 2.6 | 4.9 | (*) | 6.0 | T. | ..... |
| Cooperstown | ..... | T. | 1.0 | 8.0 | 5.0 | 5.0 | T. | 14.0 | ..... | 33.0 |
| Crosby | (*) | (*) | (*) | (*) | 4.8 | 4.8 | 1.5 | 6.0 | ..... | ..... |
| Devils Lake | T. | 3.5 | 1.5 | 15.9 | 8.0 | 9.1 | 2.7 | 6.4 | T. | 47.1 |
| Dickinson | ..... | 3.0 | 4.0 | 9.8 | 6.2 | 2.7 | 7.5 | 6.5 | 0.2 | 39.9 |
| Donnybrook | ..... | 2.5 | 3.0 | 6.5 | 3.0 | 2.5 | 2.2 | T. | ..... | 19.7 |
| Dunseith | T. | (*) | (*) | 0.2 | (*) | 6.0 | T. | 5.5 | ..... | ..... |
| Eckman | ..... | 2.0 | 4.0 | 17.0 | 13.0 | 10.0 | T. | 1.0 | ..... | 47.0 |
| Edgeley | ..... | T. | T. | 12.0 | 2.8 | (*) | 3.0 | (*) | ..... | ..... |
| Energy | ..... | 2.0 | 2.0 | 18.5 | (*) | 5.0 | (*) | (*) | ..... | ..... |
| Epping | ..... | 2.0 | 6.0 | 14.5 | 6.0 | 12.5 | 3.0 | 8.0 | ..... | 52.0 |
| Fessenden | ..... | 2.0 | 2.0 | 18.5 | 9.5 | 10.5 | 0.5 | 3.0 | T. | 46.0 |
| Forman | ..... | T. | 0.8 | 7.5 | 3.5 | 4.0 | 3.0 | 1.0 | ..... | 19.8 |
| Fullerton | ..... | T. | 1.9 | 18.8 | 23.7 | 13.2 | 14.5 | 9.9 | ..... | 82.0 |
| Garrison | T. | 2.0 | 3.0 | 18.8 | 4.0 | 4.2 | 2.5 | 6.5 | ..... | 41.0 |
| Goodall | ..... | T. | 3.0 | 10.0 | (*) | (*) | (*) | 20.0 | ..... | ..... |
| Grafton | ..... | 7.9 | 0.2 | 17.5 | 5.9 | 10.1 | 0.7 | ..... | ..... | 42.3 |
| Grand Rapids | ..... | ..... | 0.8 | 10.0 | 15.0 | 5.0 | 10.0 | 0.1 | ..... | 40.9 |
| Granville | ..... | 2.0 | 2.2 | 7.1 | 7.0 | 14.5 | 0.2 | T. | ..... | 33.0 |
| Hannah | T. | 8.0 | 2.0 | 15.0 | 14.0 | 10.0 | 3.0 | 10.0 | ..... | 62.0 |
| Hansboro | ..... | ..... | 1.0 | 25.3 | 28.0 | 5.0 | 5.0 | 16.0 | ..... | 80.3 |
| Hettinger | ..... | 1.0 | T. | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Hillsboro | ..... | T. | 1.5 | 14.0 | 6.0 | 14.0 | 0.5 | (*) | T. | ..... |
| Howard | ..... | 2.7 | 8.6 | 8.0 | 8.0 | 6.1 | 11.7 | 15.0 | T. | 60.1 |
| Jamestown | ..... | T. | 0.5 | 7.5 | 8.0 | 4.9 | 3.0 | 2.0 | ..... | 25.9 |
| Lakota | T. | 5.5 | 4.0 | 19.7 | 5.5 | 25.5 | 3.5 | 12.0 | ..... | 75.7 |
| Lamoine | ..... | T. | 2.0 | 19.0 | 1.0 | 4.0 | 1.0 | 6.0 | ..... | 33.0 |
| Langdon | ..... | 6.0 | 0.4 | 24.0 | 24.0 | 11.0 | 3.0 | T. | ..... | 68.4 |
| Larimore | ..... | 2.0 | 1.5 | 22.0 | 8.0 | 7.5 | 1.0 | 6.0 | ..... | 48.0 |
| Lisbon | ..... | T. | T. | 2.0 | 19.0 | 5.0 | 4.2 | T. | ..... | 30.7 |
| McHenry | ..... | 3.5 | 2.0 | 21.0 | 10.0 | 14.0 | 3.0 | 7.5 | T. | 61.0 |
| McKinney | ..... | 2.0 | 2.0 | 5.0 | 2.5 | 3.7 | T. | (*) | ..... | ..... |
| McLeod | ..... | ..... | 1.0 | 10.0 | 7.5 | 13.0 | 7.5 | 1.0 | ..... | 40.0 |
| Maddock | ..... | (*) | 0.8 | (*) | 1.5 | 6.6 | 1.8 | (*) | T. | ..... |
| Mandan | ..... | T. | 0.4 | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Manfred | ..... | 4.0 | 1.5 | 17.5 | 7.5 | 8.0 | 2.8 | 2.0 | ..... | 43.3 |
| Manning | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Marmarth | ..... | 4.0 | 4.2 | 11.1 | 4.6 | 7.5 | 4.7 | 4.1 | 3.0 | 43.2 |
| Marstonmoor | T. | 2.5 | 0.5 | 8.0 | 5.5 | 4.0 | 2.0 | 4.2 | ..... | 26.7 |
| Mayville | ..... | (*) | (*) | 14.0 | (*) | (*) | (*) | (*) | ..... | ..... |
| Melville | ..... | 1.0 | 3.0 | 10.0 | 6.0 | 5.0 | T. | 3.0 | ..... | 28.0 |
| Milnor | ..... | ..... | T. | 12.6 | 9.5 | 4.0 | 5.7 | 2.0 | ..... | 33.8 |
| Minot | ..... | 2.0 | 2.0 | 17.0 | 3.0 | 7.0 | T. | 0.5 | ..... | 31.5 |
| Minto | ..... | 6.5 | T. | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Mott | ..... | ..... | 1.8 | 14.5 | 16.8 | (*) | 13.2 | 7.0 | ..... | ..... |
| Napoleon | ..... | T. | 1.0 | 14.5 | 5.0 | 3.0 | 6.0 | 17.0 | ..... | 46.5 |
| New England | ..... | ..... | 2.0 | 6.0 | 11.0 | 3.0 | 6.0 | 6.0 | ..... | 34.0 |
| New Salem | ..... | ..... | 1.5 | 20.2 | (*) | 6.4 | 7.2 | 14.0 | ..... | ..... |
| Orange | ..... | 1.0 | ..... | 10.0 | 6.0 | 1.0 | 5.0 | 7.0 | ..... | 30.0 |
| Oriska | ..... | T. | 0.5 | 16.0 | 9.5 | (*) | 2.0 | 8.0 | ..... | ..... |
| Park River | ..... | 7.0 | T. | (*) | 10.0 | (*) | (*) | (*) | ..... | ..... |
| Parshall | ..... | 1.0 | 2.0 | (*) | (*) | 0.9 | ..... | (*) | ..... | ..... |
| Pembina | ..... | 10.0 | ..... | 28.0 | 7.0 | 8.0 | (*) | (*) | ..... | ..... |
| Power | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Powers Lake | ..... | ..... | 5.0 | 8.4 | 17.2 | 11.0 | 0.9 | 11.0 | ..... | 53.5 |
| Steele | T. | 2.5 | 1.0 | 24.0 | 11.4 | (*) | 10.0 | 6.0 | ..... | ..... |
| Taylor | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *North Dakota*—Continued. | | | | | | | | | | |
| Towner | ..... | 1.0 | 3.0 | 8.0 | 4.5 | 4.0 | T. | 1.0 | ..... | 21.5 |
| Turtle Lake | ..... | T. | 3.0 | 12.0 | 2.0 | 4.0 | (*) | (*) | (*) | ..... |
| University | ..... | 1.8 | 0.1 | 16.9 | 6.8 | 10.8 | 3.6 | 0.7 | 0.3 | 41.0 |
| Wahpeton | ..... | T. | T. | (*) | (*) | (*) | (*) | 0.6 | ..... | ..... |
| Walhalla | ..... | 6.0 | 1.0 | 28.0 | 11.0 | 8.0 | 2.5 | 3.0 | ..... | 59.5 |
| Washburn | ..... | (*) | (*) | (*) | 6.0 | 8.4 | ..... | (*) | ..... | ..... |
| Westhope | ..... | T. | T. | 8.0 | 0.5 | (*) | T. | (*) | ..... | ..... |
| Williston | ..... | 0.6 | 1.7 | 14.1 | 4.2 | 5.6 | 3.9 | 1.6 | T. | 31.7 |
| Willow City | ..... | 0.5 | 4.0 | 15.0 | 16.0 | 7.5 | 1.0 | 3.0 | ..... | 47.0 |
| Zap | ..... | 3.1 | 2.0 | 10.5 | 5.3 | 7.9 | 6.7 | 8.0 | ..... | 43.5 |
| *Ohio.* | | | | | | | | | | |
| Akron | ..... | ..... | 1.0 | 11.3 | 10.5 | 7.3 | 6.0 | 1.3 | T. | 37.4 |
| Amesville | ..... | ..... | T. | 9.5 | 12.0 | 8.5 | 12.5 | 0.5 | ..... | 43.0 |
| Ashland | ..... | T. | 2.0 | 21.0 | 12.1 | 8.0 | 14.0 | T. | T. | 57.1 |
| Bangorville | ..... | T. | 2.0 | 14.5 | 10.0 | 10.0 | 3.0 | T. | T. | 39.5 |
| Batavia | ..... | ..... | T. | 12.0 | 11.0 | 4.5 | 7.0 | 3.0 | ..... | 37.5 |
| Bellefontaine | ..... | T. | 0.1 | 12.0 | 11.4 | 6.5 | 6.0 | 0.2 | ..... | 36.2 |
| Benton Ridge | ..... | T. | 0.8 | 10.5 | 13.0 | 8.0 | 8.0 | T. | 0.4 | 40.7 |
| Beverly | ..... | ..... | T. | 8.5 | 7.5 | 8.0 | 6.5 | ..... | ..... | 30.5 |
| Bowling Green | ..... | T. | T. | 11.0 | 10.0 | 7.5 | 6.0 | ..... | ..... | 34.5 |
| Brilliant | ..... | ..... | 1.0 | 7.0 | (*) | (*) | 7.5 | T. | ..... | ..... |
| Bucyrus | ..... | T. | T. | 19.0 | 6.0 | 12.0 | 9.0 | T. | ..... | 46.0 |
| Cadiz | ..... | ..... | 0.8 | 10.7 | 16.9 | 2.8 | 12.1 | 0.7 | T. | 44.0 |
| Cambridge | ..... | ..... | T. | 0.5 | 12.0 | 5.0 | 9.0 | T. | ..... | 26.5 |
| Canfield | ..... | ..... | 1.7 | 12.4 | 11.1 | 5.6 | 8.2 | 0.5 | T. | 39.5 |
| Canton | ..... | ..... | 1.5 | 16.7 | 14.9 | 7.7 | 8.8 | T. | T. | 49.6 |
| Cardington | ..... | ..... | T. | 14.0 | (*) | (*) | (*) | T. | ..... | ..... |
| Chillicothe | ..... | ..... | T. | 6.7 | 11.2 | 7.8 | 8.5 | 1.5 | ..... | 35.7 |
| Cincinnati | ..... | ..... | 0.2 | 8.0 | 7.3 | 5.8 | 6.0 | 0.3 | ..... | 27.6 |
| Circleville | ..... | ..... | ..... | 12.0 | 12.0 | 8.0 | 5.5 | ..... | ..... | 37.5 |
| Clarington | ..... | ..... | T. | 10.5 | (*) | 12.7 | 13.2 | 0.1 | ..... | ..... |
| Cleveland | ..... | ..... | 10.1 | 12.3 | 11.6 | 9.9 | 6.1 | T. | ..... | 50.0 |
| Cleveland (Case School) | ..... | ..... | 6.6 | 12.5 | 13.1 | 9.4 | 6.5 | 0.2 | ..... | 48.3 |
| Cleveland (St. Ignatius) | ..... | ..... | 12.2 | 16.2 | 14.0 | 10.4 | 6.4 | T. | ..... | 59.2 |
| Columbus | ..... | ..... | 0.3 | 13.5 | 15.4 | 4.0 | 4.2 | 0.3 | ..... | 37.7 |
| Coshocton | ..... | ..... | T. | 8.0 | 11.0 | 5.5 | 7.2 | 0.5 | ..... | 32.2 |
| Dam No. 28 | ..... | ..... | ..... | 12.5 | 8.5 | 8.0 | 9.5 | ..... | ..... | 38.5 |
| Danbury | ..... | ..... | T. | 5.7 | 6.0 | 5.9 | 3.1 | T. | ..... | 20.7 |
| Dayton | ..... | ..... | 0.8 | 6.9 | 9.0 | 3.2 | 6.1 | 0.5 | ..... | 26.5 |
| Dayton (Boyer) | ..... | ..... | 0.5 | 7.4 | 9.0 | 2.4 | 5.5 | 1.0 | ..... | 25.8 |
| Delaware | ..... | ..... | T. | 12.5 | 9.8 | 5.5 | (*) | (*) | ..... | ..... |
| Demos | ..... | ..... | 0.3 | 5.0 | 9.3 | 4.3 | 8.1 | 4.0 | ..... | 31.0 |
| Dennison | ..... | ..... | T. | 6.6 | 9.2 | (*) | 6.2 | T. | T. | ..... |
| Dover | ..... | ..... | 1.0 | 7.0 | 16.0 | 6.0 | 6.0 | T. | T. | 36.0 |
| Eaton | ..... | T. | 1.0 | 9.0 | (*) | 4.8 | 5.0 | (*) | ..... | ..... |
| Findlay | ..... | T. | T. | 13.0 | 15.0 | 9.0 | 8.0 | T. | ..... | 45.0 |
| Frankfort | ..... | ..... | (*) | 11.5 | 10.5 | 4.5 | 7.5 | 4.0 | ..... | ..... |
| Fremont | ..... | T. | T. | 10.0 | 12.5 | 5.5 | 16.5 | T. | ..... | 44.5 |
| Gallipolis | ..... | ..... | (*) | 5.2 | 9.0 | (*) | 2.0 | ..... | ..... | ..... |
| Gambier | ..... | ..... | 5.0 | 14.5 | 8.0 | (*) | 4.0 | (*) | ..... | ..... |
| Geneva | ..... | T. | 14.5 | 39.0 | 8.0 | 9.0 | 8.0 | 2.0 | T. | 80.5 |
| Germantown | ..... | ..... | 0.2 | 7.5 | 6.4 | 2.5 | 7.5 | 1.0 | ..... | 25.1 |
| Granville | ..... | ..... | 0.1 | 15.0 | 15.5 | 4.0 | 3.5 | T. | ..... | 38.1 |
| Green | ..... | ..... | 0.5 | 15.4 | 18.0 | 9.0 | 19.0 | 3.0 | ..... | 64.9 |
| Green Hill | ..... | ..... | 0.9 | 9.5 | 11.2 | 3.8 | 5.9 | 0.5 | T. | 31.8 |
| Greenville | ..... | T. | 2.0 | 10.0 | 8.5 | 3.0 | 4.0 | T. | ..... | 27.5 |
| Hamilton | ..... | ..... | T. | 6.0 | 8.0 | 3.5 | 5.5 | 3.0 | ..... | 26.0 |
| Hillhouse | ..... | ..... | 28.0 | 35.5 | 8.5 | 16.0 | 9.5 | 1.5 | T. | 99.0 |
| Hillsboro | ..... | ..... | (*) | 9.0 | (*) | (*) | 8.0 | 2.0 | ..... | ..... |
| Hiram | ..... | ..... | 9.0 | 17.5 | 14.5 | 10.0 | 14.5 | 3.0 | T. | 68.5 |
| Hudson | ..... | ..... | 2.0 | 18.5 | 7.0 | 11.0 | 7.0 | T. | ..... | 45.5 |
| Ironton | ..... | ..... | T. | 6.0 | (*) | (*) | (*) | T. | ..... | ..... |
| Jackson | ..... | ..... | (*) | 9.0 | 12.0 | 13.0 | 17.0 | (*) | ..... | ..... |
| Kenton | ..... | T. | 1.5 | 7.0 | (*) | (*) | 3.0 | T. | T. | ..... |
| Killbuck | ..... | ..... | 1.0 | 21.5 | 8.5 | 7.5 | 7.0 | T. | ..... | 45.5 |
| King's Mills | ..... | ..... | T. | 5.3 | 7.8 | 7.0 | 3.5 | 0.5 | ..... | 24.1 |
| Lakeview | ..... | ..... | 1.0 | (*) | (*) | 6.2 | 3.9 | (*) | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Ohio*—Continued. | | | | | | | | | | |
| Lancaster | ..... | ..... | T. | 6.0 | 8.0 | 3.5 | 1.0 | T. | ..... | 18.5 |
| Lima | ..... | T. | 2.0 | 15.0 | 7.0 | 5.0 | 5.0 | T. | T. | 34.0 |
| Lima (St. Rose School) | ..... | ..... | 1.0 | 11.0 | 5.0 | 5.5 | 5.0 | ..... | T. | 27.5 |
| Loudonville | (*) | (*) | (*) | 17.9 | 16.4 | 6.7 | 10.8 | T. | ..... | ..... |
| McArthur | ..... | ..... | T. | 6.2 | 10.8 | 10.7 | 10.9 | 1.0 | ..... | 39.6 |
| McConnelsville | ..... | ..... | 0.2 | 10.5 | 13.7 | 2.7 | 8.0 | 2.0 | ..... | 37.1 |
| Mansfield | (*) | (*) | (*) | 14.2 | 9.0 | 6.5 | 10.0 | T. | T. | ..... |
| Marietta, No. 1 | ..... | ..... | T. | 6.2 | 8.0 | 8.1 | 9.0 | 0.2 | ..... | 31.5 |
| Marietta, No. 2 | ..... | ..... | T. | 4.8 | (*) | (*) | (*) | (*) | ..... | ..... |
| Marietta (Experiment Farm) | ..... | ..... | T. | 9.0 | 7.0 | 6.0 | 11.0 | T. | ..... | 33.0 |
| Marion | ..... | ..... | 1.5 | 16.5 | 13.0 | 5.5 | 9.0 | 0.5 | ..... | 46.0 |
| Marysville | (*) | (*) | (*) | (*) | 10.5 | 4.5 | 6.0 | T. | T. | ..... |
| Medina | ..... | ..... | 1.0 | 11.0 | 11.0 | 4.0 | 8.0 | 1.0 | ..... | 36.0 |
| Milford | ..... | T. | 0.3 | 9.0 | 15.3 | 7.8 | 10.0 | 1.2 | T. | 43.6 |
| Milfordton | ..... | T. | 1.0 | 14.0 | (*) | 4.5 | 6.8 | 0.7 | ..... | ..... |
| Millersburg | (*) | (*) | (*) | 13.0 | 8.0 | 3.0 | (*) | (*) | ..... | ..... |
| Milligan | ..... | ..... | 0.1 | 5.5 | 13.0 | 8.5 | 12.5 | 2.0 | ..... | 41.6 |
| Millport | ..... | ..... | 0.1 | 8.0 | 11.5 | 4.5 | 5.4 | ..... | T. | 29.5 |
| Milton Dam | ..... | ..... | (*) | 8.5 | 6.0 | 4.6 | 6.0 | T. | ..... | ..... |
| Montpelier | ..... | ..... | 1.0 | 12.0 | 9.0 | 10.5 | 6.0 | T. | T. | 38.5 |
| Mount Healthy | ..... | ..... | T. | (*) | 8.0 | 5.4 | 4.5 | 2.0 | ..... | ..... |
| Napoleon | ..... | ..... | T. | 13.8 | 7.8 | 7.0 | 2.0 | ..... | ..... | 30.6 |
| New Bremen | ..... | T. | T. | 12.0 | (*) | (*) | 4.5 | T. | T. | ..... |
| New Carlisle | (*) | (*) | (*) | (*) | 9.2 | 4.0 | 6.0 | T. | ..... | ..... |
| North Royalton | ..... | ..... | 5.0 | 13.5 | 12.0 | 13.5 | 7.0 | 3.0 | T. | 54.0 |
| Norwalk | ..... | ..... | 2.0 | 9.0 | 11.5 | 9.0 | 7.5 | T. | ..... | 39.0 |
| Oberlin | ..... | ..... | T. | 11.3 | 10.1 | 8.2 | 10.9 | T. | ..... | 40.5 |
| Ottawa | ..... | T. | 1.2 | 12.5 | 10.5 | 6.0 | 5.5 | (*) | T. | ..... |
| Oxford | ..... | ..... | 0.3 | (*) | 5.1 | 1.9 | (*) | (*) | (*) | ..... |
| Pataskala | ..... | ..... | 2.1 | 14.1 | 15.0 | 4.4 | 4.5 | 0.7 | ..... | 40.8 |
| Paulding | ..... | T. | 6.9 | 3.6 | 3.6 | (*) | 1.4 | ..... | ..... | ..... |
| Peebles | ..... | ..... | T. | 10.0 | 10.0 | 10.0 | 14.0 | 2.5 | ..... | 46.5 |
| Philo, No. 1 | ..... | ..... | 0.1 | 9.9 | 15.4 | 7.2 | 13.6 | 1.8 | ..... | 48.0 |
| Philo, No. 2 | ..... | ..... | 0.2 | 7.6 | 16.8 | 5.0 | 11.6 | 2.5 | ..... | 43.7 |
| Piqua | ..... | ..... | 0.4 | 6.0 | 7.7 | 2.9 | 4.3 | (*) | ..... | ..... |
| Plattsburg | ..... | T. | 1.0 | 10.0 | 12.0 | 4.0 | 5.5 | 0.5 | ..... | 33.0 |
| Portsmouth, No. 1 | ..... | ..... | T. | 7.0 | 13.0 | 2.8 | 11.5 | T. | ..... | 34.3 |
| Portsmouth, No. 2 | ..... | ..... | T. | (*) | (*) | (*) | (*) | T. | ..... | ..... |
| Put-in-Bay | ..... | ..... | T. | (*) | 12.0 | 4.3 | 6.0 | T. | ..... | ..... |
| Roxabell | ..... | ..... | T. | (*) | 13.0 | 9.0 | (*) | 2.0 | ..... | ..... |
| St. Paris | ..... | ..... | 2.5 | 11.5 | 16.0 | 4.2 | 4.5 | (*) | ..... | ..... |
| Sandusky | ..... | ..... | 0.1 | 7.6 | 11.8 | 6.6 | 7.7 | T. | ..... | 33.8 |
| Sidney | ..... | T. | 1.0 | 12.2 | 9.4 | 3.9 | 2.7 | T. | ..... | 29.2 |
| Somerset | ..... | ..... | T. | 11.0 | 14.5 | 9.0 | 8.5 | 2.0 | ..... | 45.0 |
| Summerfield | ..... | ..... | 2.5 | 8.3 | 10.2 | 6.5 | 10.8 | 1.5 | ..... | 39.8 |
| Syracuse | ..... | ..... | ..... | 6.0 | 13.0 | (*) | 17.0 | (*) | ..... | ..... |
| Tadmor | ..... | ..... | 0.2 | (*) | (*) | 2.3 | 4.2 | (*) | ..... | ..... |
| Thurman | ..... | ..... | T. | 10.0 | 14.0 | 15.0 | 17.0 | 1.0 | ..... | 57.0 |
| Tiffin | ..... | T. | 1.5 | 9.5 | 15.5 | 7.0 | 11.0 | ..... | ..... | 44.5 |
| Toboso | ..... | ..... | T. | 8.5 | 10.5 | 5.0 | 5.5 | (*) | ..... | ..... |
| Toledo | ..... | T. | 0.2 | 9.1 | 7.9 | 4.3 | 7.8 | T. | ..... | 29.3 |
| Upper Sundusky | ..... | T. | 3.0 | 13.0 | 10.5 | 10.0 | 10.0 | T. | ..... | 46.5 |
| Urbana | ..... | T. | 1.5 | 14.3 | 14.7 | 5.5 | 7.5 | T. | T. | 43.5 |
| Valley Crossing | ..... | ..... | 0.5 | 9.9 | 12.4 | 2.3 | 2.8 | 0.5 | T. | 28.4 |
| Versailles | ..... | T. | 1.0 | 14.6 | 8.8 | 3.3 | 8.2 | (*) | T. | ..... |
| Vickery | ..... | ..... | T. | 4.3 | 9.7 | (*) | 5.7 | ..... | ..... | ..... |
| Walhonding | ..... | ..... | (*) | 12.3 | 9.0 | 6.0 | 4.0 | T. | T. | ..... |
| Wapakoneta | ..... | T. | 1.5 | 17.0 | 15.5 | 8.1 | 8.3 | T. | T. | 50.4 |
| Warren, No. 1 | ..... | ..... | 2.2 | 17.2 | 13.9 | 9.4 | 15.2 | 2.5 | T. | 60.4 |
| Warren, No. 2 | ..... | T. | T. | 14.8 | 15.9 | 4.0 | (*) | (*) | T. | ..... |
| Washington C. H | ..... | ..... | T. | 14.5 | 9.3 | 7.0 | 7.0 | 2.0 | ..... | 39.8 |
| Wauseon | ..... | 0.3 | 0.6 | 14.7 | 10.1 | 3.9 | 6.3 | T. | T. | 35.9 |
| Waverly | ..... | ..... | T. | 7.9 | 11.4 | 10.5 | 10.5 | 2.5 | ..... | 42.8 |
| Waynesville | ..... | ..... | 1.0 | 8.5 | 7.5 | 1.5 | 6.0 | 2.0 | T. | 26.5 |
| West Manchester | ..... | ..... | (*) | (*) | (*) | 1.3 | 6.3 | (*) | ..... | ..... |
| West Milton | ..... | ..... | 1.5 | (*) | 7.0 | 2.0 | 4.0 | T. | ..... | ..... |
| Wickliffe | ..... | T. | 16.2 | 18.0 | 6.9 | (*) | 2.6 | 1.0 | ..... | ..... |
| Wilmington | ..... | ..... | T. | (*) | (*) | (*) | 6.0 | 0.5 | T. | ..... |
| Wooster, No. 1 | ..... | ..... | 1.8 | 14.8 | 9.0 | 6.0 | 6.2 | T. | ..... | 37.8 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Ohio*—Continued. | | | | | | | | | | |
| Xenia | | | T. | 9.6 | 9.4 | (*) | (*) | T. | T. | |
| Youngstown | | | T. | 9.6 | 9.2 | 7.7 | 8.9 | T. | | 35.4 |
| Zanesville | | | 0.1 | (*) | 10.8 | 3.5 | 7.0 | 0.8 | | |
| *Oklahoma.* | | | | | | | | | | |
| Ada | | | | 1.0 | 2.0 | | 3.0 | | | 6.0 |
| Altus | | | | 1.0 | 3.0 | | 1.8 | | | 5.8 |
| Alva | | | T. | 4.0 | 2.0 | 2.0 | 1.5 | | | 9.5 |
| Apache | | | | 1.5 | 4.0 | T. | (*) | | | |
| Arapaho | | | | 3.7 | 5.0 | 4.0 | 1.0 | | | 13.7 |
| Ardmore | | | | T. | 2.5 | | 1.0 | | | 3.5 |
| Bacone | | | | 5.0 | 2.0 | 0.5 | T. | | | 7.5 |
| Bartlesville | | | 0.2 | 4.2 | 2.0 | 3.0 | | | | 9.4 |
| Beaver | | | T. | 4.5 | 1.0 | 6.0 | 1.0 | 1.0 | | 13.5 |
| Billings | | T. | T. | 2.4 | 2.5 | 5.5 | 1.3 | | | 11.7 |
| Blackwell | | | (*) | (*) | | | | | | |
| Bristow | | | | 3.0 | 3.0 | 3.0 | T. | | | 9.0 |
| Buffalo | | | T. | 3.0 | 2.0 | 3.0 | 2.0 | | | 10.0 |
| Calvin | | | | 1.8 | 1.8 | | 0.5 | | | 4.1 |
| Camargo | | | (*) | (*) | (*) | (*) | | | | |
| Canton | | | (*) | (*) | (*) | (*) | 0.6 | | | |
| Carnegie | | | T. | 2.0 | 5.0 | 6.0 | T. | | | 13.0 |
| Chandler | | | | 4.5 | 2.0 | 2.5 | | | | 9.0 |
| Chattanooga | | | | 1.0 | 3.5 | | 2.0 | | | 6.5 |
| Cherokee | | | | 0.7 | 2.2 | 6.5 | 1.2 | | | 10.6 |
| Chickasha | | | | 1.5 | 2.0 | 1.0 | 2.5 | | (*) | |
| Claremore | | | | 7.0 | 1.2 | 6.5 | | | | 14.7 |
| Cleveland | | | 0.5 | 5.5 | 3.0 | 10.5 | 2.0 | | | 21.5 |
| Cloud Chief | | | | 2.0 | 5.0 | 2.0 | | | | 9.0 |
| Durant | | | | | 5.0 | | T. | | | 5.0 |
| Eldorado | | (*) | | (*) | 2.6 | (*) | T. | | (*) | |
| El Reno | | | (*) | (*) | (*) | 5.5 | (*) | | | |
| Enid | | | T. | 4.0 | 4.5 | 6.0 | 0.5 | | | 15.0 |
| Erick | | | T. | 2.0 | 3.0 | 2.5 | 0.5 | | | 8.0 |
| Eufaula | | | | 8.0 | 2.0 | | 3.0 | | | 13.0 |
| Fairland | | | T. | 3.0 | 1.5 | 3.5 | T. | | | 8.0 |
| Fort Gibson | | | 0.2 | 5.5 | 2.0 | 0.5 | | | | 8.2 |
| Frederick | | | | 0.2 | 2.5 | | 3.0 | | | 5.7 |
| Geary | | T. | T. | 7.0 | 8.0 | 6.0 | 1.0 | | | 22.0 |
| Goodwell | | | 1.0 | 5.3 | 5.0 | 2.5 | 2.0 | 2.0 | | 17.8 |
| Guthrie | | | T. | 8.0 | 3.0 | 12.0 | | | | 23.0 |
| Hammon | | | | 3.0 | 5.0 | 5.0 | 0.8 | | | 13.8 |
| Healdton | | | | 0.5 | 4.0 | | 1.5 | | | 6.0 |
| Heavener | | | | (*) | (*) | T. | (*) | (*) | (*) | |
| Hennessey | | | (*) | 3.0 | 4.0 | 6.0 | (*) | | | |
| Hobart | | | | 1.0 | 2.9 | 2.5 | T. | | | 6.4 |
| Holdenville | | | | 1.5 | 1.5 | | | | | 3.0 |
| Hooker | | T. | T. | 3.5 | 2.5 | 2.0 | T. | 2.0 | | 10.0 |
| Hugo | | | | | 5.0 | | | | | 5.0 |
| Hurley | | | 5.0 | 10.0 | 11.0 | 5.0 | 15.0 | (*) | 5.0 | |
| Jefferson | | | T. | (*) | | 4.0 | | | | |
| Kenton | | T. | 1.5 | 8.9 | 10.5 | 4.0 | 6.7 | 1.2 | 4.8 | 37.6 |
| Kingfisher | | | | 4.3 | 3.5 | 6.0 | 3.0 | | | 16.8 |
| Lawton | | | | 0.2 | 3.0 | | 2.8 | | | 6.0 |
| Lawtonka Lake | | | | T. | 2.8 | T. | (*) | | | |
| McAlester | | | 0.5 | 2.5 | 3.0 | | 0.8 | | | 6.8 |
| Mangum | | | | 2.0 | 7.0 | 1.5 | T. | | | 10.5 |
| Marlow | | | | 3.0 | 4.0 | | 10.0 | | | 17.0 |
| Meeker | | | | 2.5 | 2.0 | 3.0 | | | | 7.5 |
| Muskogee | | | | 5.0 | 0.9 | (*) | | | | |
| Mutual | | | | (*) | 2.5 | 2.5 | | | | |
| Newkirk | | | | 2.0 | 6.0 | T. | 2.0 | | | 10.0 |
| Norman | | | | 2.0 | 2.5 | 2.5 | (*) | | | |
| North Muskogee | | | T. | 6.0 | 2.0 | | T. | | | 8.0 |
| Oakwood | | T. | | 5.0 | 5.0 | 5.0 | T. | | | 15.0 |
| Okeene | | | T. | 2.9 | 2.9 | 6.0 | 1.1 | | | 12.9 |
| Okemah | | | T. | 2.6 | 0.8 | T. | | | | 3.4 |
| Oklahoma | | | 0.1 | 6.5 | 2.0 | 6.4 | 0.4 | | | 15.4 |
| Okmulgee | | | T. | 6.5 | 1.0 | 1.0 | T. | | | 8.5 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Oklahoma*—Continued. | | | | | | | | | | |
| Pauls Valley | | | | 1.5 | 3.0 | | 5.0 | | | 9.5 |
| Pawhuska | | | | 3.0 | 4.0 | 6.0 | T. | | | 13.0 |
| Perry | | | | 5.0 | 2.5 | 8.0 | 1.0 | | | 16.5 |
| Rankin | | | 1.0 | 5.0 | (*) | 5.0 | T. | | | |
| Ravia | | | | | 2.5 | | | | | 2.5 |
| Reno Junction | | | (*) | (*) | (*) | (*) | | | | |
| Sac and Fox Agency | | | (*) | 6.0 | 2.0 | 3.0 | | | | |
| Sallisaw | (*) | (*) | | 9.0 | 1.5 | | | | | |
| Shawnee | | | 0.5 | 2.5 | 1.5 | 0.5 | T. | | | 5.0 |
| Snyder | | | | 1.3 | 3.4 | T. | T. | | | 4.7 |
| Stillwater | | | | 4.7 | 2.3 | 9.0 | 1.5 | | | 17.5 |
| Tahlequah | | | (*) | (*) | (*) | (*) | (*) | | | |
| Tamaha | | | | 8.5 | 1.4 | | T. | | | 9.9 |
| Tulsa | | T. | | 8.3 | 1.5 | 6.0 | T. | | | 15.8 |
| Union City | | | (*) | (*) | (*) | (*) | T. | | | |
| Vinita | | | | 3.0 | 1.0 | 10.2 | | | | 14.2 |
| Wagoner | | | | 5.2 | 1.5 | 2.0 | | | | 8.7 |
| Walter | | | | 1.0 | 4.5 | 6.1 | | | | 11.6 |
| Waukomis | | | T. | 5.0 | 3.0 | 5.0 | 2.0 | | | 15.0 |
| Waurika | | | | T. | 4.0 | | | | | 4.0 |
| Weatherford | | | T. | 3.5 | 4.3 | 4.0 | 0.5 | | | 12.3 |
| Webbers Falls | | | | 5.5 | 2.0 | | | | | 7.5 |
| Whiteagle | | | T. | (*) | (*) | (*) | (*) | | (*) | |
| Wichita National Forest | | | (*) | (*) | 3.0 | (*) | (*) | | | |
| Woodward | | T. | 4.5 | 2.0 | 2.0 | 2.0 | 0.5 | | | 11.0 |
| Wyandotte | | | | 7.0 | 2.0 | 6.0 | | | | 15.0 |
| *Oregon.* | | | | | | | | | | |
| Agency Plains | | | T. | 7.0 | 1.3 | 16.6 | 12.8 | T. | | 37.7 |
| Agness | | | | | T. | (*) | 3.0 | 1.0 | | |
| Albany | | | | 3.0 | (*) | (*) | 0.2 | | | |
| Ana River | | | 1.0 | 10.0 | 5.0 | 15.0 | 1.0 | | | 35.0 |
| Ashland | | | | 15.0 | 5.9 | 36.2 | 12.0 | 0.8 | | 69.9 |
| Astoria | | | | 3.2 | 2.6 | (*) | | | | |
| Austin | | 1.0 | 6.5 | 35.0 | 31.5 | 31.0 | (*) | (*) | | |
| Baker | | T. | 2.0 | 11.9 | 13.5 | 8.6 | 4.7 | 0.8 | T. | 41.5 |
| Bear Creek | | 1.0 | 3.4 | 17.2 | 22.1 | 23.2 | 7.4 | 6.7 | T. | 81.0 |
| Bear Valley | | 0.5 | 12.5 | 31.5 | 25.0 | 9.0 | 26.8 | 15.0 | | 120.3 |
| Beckley | | T. | 3.5 | (*) | 14.5 | 15.5 | 9.5 | 1.5 | 2.0 | |
| Beech Creek | | 3.0 | 8.0 | 35.5 | 26.5 | 22.0 | 13.5 | 18.5 | T. | 127.0 |
| Bellfountain | | | | 15.7 | 8.5 | 24.0 | | | | 48.2 |
| Bend | | | 7.2 | 8.8 | 2.0 | 23.2 | 11.2 | 3.0 | T. | 55.4 |
| Blue Mountain Sawmill | | 4.0 | 37.0 | 77.5 | 56.0 | 30.0 | 51.0 | 36.0 | T. | 291.5 |
| Butte Falls | | | 0.5 | 33.1 | 19.9 | 39.8 | 25.4 | 2.9 | 0.1 | 121.7 |
| Cascade Locks | | | | 11.2 | 7.0 | 18.0 | 1.5 | | | 37.7 |
| Cascadia | | | | 5.0 | 13.0 | 31.0 | 9.0 | 0.5 | | 58.5 |
| Cazadero | | | | 7.0 | 10.5 | 12.5 | 2.8 | | | 32.8 |
| Chiloquin | | | 17.0 | 35.5 | 34.5 | 30.5 | 19.2 | 8.5 | 3.0 | 148.2 |
| Christmas Lake | | T. | 2.5 | 12.0 | (*) | (*) | (*) | (*) | (*) | |
| Columbia Mine | | T. | 24.0 | 92.4 | 43.9 | 54.9 | 37.7 | (*) | (*) | |
| Condon | | | T. | 12.0 | 9.0 | 8.0 | 6.0 | 1.0 | | 36.0 |
| Cornucopia | | T. | 41.7 | 80.9 | 71.4 | 52.1 | 89.5 | 42.1 | 0.5 | 378.2 |
| Corvallis | | | | 3.1 | 1.5 | 12.0 | | | | 16.6 |
| Crescent | | | 17.0 | 46.9 | 32.8 | 40.7 | 14.5 | 4.7 | 3.5 | 160.1 |
| Dayville | | | T. | 6.0 | 10.0 | 11.5 | 4.5 | 2.2 | | 34.2 |
| Deadwood | | | | (*) | 1.0 | (*) | (*) | | | |
| Detroit | | | 5.0 | 33.5 | 28.0 | 67.0 | 44.0 | 6.0 | | 183.5 |
| Doraville | | | | 10.7 | 15.1 | 21.5 | 8.3 | T. | | 55.6 |
| Drain | | | (*) | 1.8 | 0.6 | 15.2 | | | | |
| Drewsey | | | 2.0 | 6.0 | 6.0 | 12.5 | 9.5 | | | 36.0 |
| Dufur | | T. | 4.8 | 18.2 | 7.5 | 14.1 | 12.2 | T. | | 56.8 |
| Echo | | (*) | | 3.0 | 6.5 | 8.0 | T. | | | |
| Eugene | | | | 3.9 | 1.1 | 22.7 | 1.4 | | | 29.1 |
| Fir Glen | | | T. | 25.0 | 5.5 | 56.5 | 24.5 | 2.6 | T. | 114.1 |
| Florence | | | | | 2.5 | 9.5 | (*) | | | |
| Forest Grove | | | | 6.0 | 2.8 | 15.7 | T. | | | 24.5 |
| Fort Rock | | T. | T. | 10.0 | 1.0 | 22.5 | 5.0 | T. | T. | 38.5 |
| Glencoe | | | | 5.3 | 6.0 | 8.0 | 5.0 | | | 24.3 |
| Glendale | | | | 10.0 | 16.0 | 34.0 | 2.0 | | | 62.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Oregon*—Continued. | | | | | | | | | | |
| Golden Falls | | | | (*) | 2.0 | 25.8 | 3.5 | 1.0 | | |
| Government Camp | | 5.0 | 39.0 | 67.0 | 80.0 | 37.0 | 92.0 | 34.0 | 7.0 | 361.0 |
| Grants Pass | | | T. | 8.8 | 0.1 | 34.1 | 1.2 | | | 44.2 |
| Gumboot | | 1.5 | 24.5 | 48.5 | 28.8 | 32.0 | 23.5 | 16.5 | T. | 175.3 |
| Hazeldell | | | | 14.5 | 16.0 | 43.5 | 26.0 | 6.0 | | 106.0 |
| Headworks | | | | 16.5 | (*) | (*) | (*) | T. | | |
| Heppner | | | | 7.0 | 7.2 | 9.2 | 8.0 | 3.0 | | 34.4 |
| Hermiston | | | T. | 3.5 | 2.0 | 6.0 | | | | 11.5 |
| Hilgard | | | 5.0 | 29.0 | 31.0 | 21.0 | 36.0 | 0.5 | | 122.5 |
| Hood River | | | T. | 17.5 | 9.0 | 29.5 | 3.0 | | | 59.0 |
| Howardville | | 2.6 | 22.6 | 54.8 | 57.3 | 37.2 | 45.5 | 28.7 | 0.7 | 249.4 |
| Huntington | | | 1.1 | 18.0 | (*) | 21.4 | 7.4 | 0.3 | | |
| Ibex Mine | 1.6 | 1.2 | 26.3 | 108.2 | 49.4 | 53.5 | 53.8 | 25.7 | 0.3 | 320.0 |
| Jacksonville | | | | 17.5 | 3.2 | 35.0 | 3.0 | T. | | 58.7 |
| Joseph | | 0.7 | 16.0 | 32.0 | 28.0 | 16.5 | 26.0 | 32.5 | | 151.7 |
| Klamath Falls | | | T. | 17.0 | 19.0 | 8.0 | 7.5 | | T. | 51.5 |
| La Grande | | | 0.8 | 28.2 | 37.5 | 17.5 | 15.0 | 2.2 | 0 | 101.2 |
| Lakeview | | 3.6 | 9.2 | 9.4 | 9.0 | 18.3 | 3.8 | 3.4 | 2.6 | 59.3 |
| Lebanon | | | | 4.0 | | 32.8 | | | | 36.8 |
| Lilyglen | | T. | 20.0 | 50.0 | 53.0 | 50.0 | 51.0 | 13.0 | 4.0 | 241.0 |
| Longwood | | | 0.5 | 14.5 | 15.0 | 34.5 | 8.0 | | | 72.5 |
| McKinley | | | | 3.0 | 4.0 | 9.0 | | | | 16.0 |
| McMinnville | | | | 5.9 | 3.8 | 11.0 | | | | 20.7 |
| Marshfield | | | | 0.4 | 2.4 | 7.5 | | | | 10.3 |
| Maury | | T. | 8.5 | 12.5 | 16.5 | 17.8 | 10.0 | 1.5 | | 66.8 |
| Medford | | | | 9.6 | 1.9 | 17.5 | 1.0 | | | 30.0 |
| Merrill | | | 1.0 | 1.5 | T. | (*) | (*) | | | |
| Milton | | | | 27.0 | 9.0 | 7.0 | | | | 43.0 |
| Miramonte Farm | | | | 2.5 | 3.5 | 3.0 | | | | 9.0 |
| Monument | | T. | 4.2 | 12.5 | (*) | 21.2 | 9.2 | 4.5 | | |
| Mountain Home | | | | 15.0 | 16.5 | 37.4 | 25.4 | 3.5 | | 97.8 |
| Mount Angel | | | | T. | T. | 3.5 | | | | 3.5 |
| Nehalem | | | | 0.2 | 6.0 | (*) | | | | |
| Newport | | | | T. | 0.7 | 5.5 | | | | 6.2 |
| Oakridge | | | | 15.5 | 12.5 | 19.5 | 4.0 | | | 51.5 |
| Ochoco | | T. | 8.7 | 20.5 | 33.0 | 19.5 | 22.5 | 20.0 | T. | 124.2 |
| Ochoco Creek | | T. | 1.5 | 15.0 | 15.0 | 13.8 | 6.0 | 5.0 | | 56.3 |
| Ortley | | | 1.0 | 28.0 | 17.0 | (*) | 8.0 | 1.0 | | |
| Owyhee | | | T. | 7.5 | 5.0 | 7.0 | 8.5 | 1.0 | | 29.0 |
| Paisley (near) | | | 3.0 | 17.0 | 5.5 | 25.2 | 6.0 | 2.0 | T. | 58.7 |
| Parkdale | | | 3.5 | 41.5 | 23.0 | 24.0 | 12.0 | | | 104.0 |
| Pendleton | | | | 9.0 | 4.5 | 8.0 | T. | T. | | 21.5 |
| Persist | | | 5.5 | 31.4 | 24.5 | 66.5 | 49.2 | 12.0 | | 189.1 |
| Pilot Rock | | | | 13.5 | 8.0 | 8.5 | T. | | | 30.0 |
| Portland | | | | 1.6 | 4.5 | 13.3 | 0.2 | | | 19.6 |
| Port Orford | | (*) | (*) | (*) | 1.0 | | | | | |
| Post | | T. | 3.0 | 7.5 | 15.0 | 19.0 | 6.0 | 0.5 | | 51.0 |
| Power House | | | | 14.0 | 12.0 | 8.5 | T. | (*) | | |
| Prairie City | | 1.3 | 1.3 | 25.7 | 18.5 | 7.7 | 7.0 | 3.1 | T. | 64.6 |
| Prineville | | | | 5.0 | | | | | | 5.0 |
| Prospect | | | T. | 39.0 | 25.5 | 45.0 | 24.0 | 5.0 | | 138.5 |
| Ramsey | | | 0.5 | 16.2 | 4.5 | 11.9 | 6.5 | | | 39.6 |
| Range | | 1.0 | 9.0 | 25.0 | (*) | (*) | (*) | | | |
| Ray Creek | | | | 5.5 | 7.0 | 8.0 | 3.0 | 4.0 | | 27.5 |
| Redmond | | | 0.5 | 2.6 | 1.3 | (*) | (*) | (*) | (*) | |
| Reservoir No. 3 | | | 4.4 | 20.6 | 12.2 | 12.0 | 7.7 | 1.2 | | 58.1 |
| Reston | | | | 8.0 | 2.5 | 33.0 | 9.0 | 1.0 | | 53.5 |
| Richland | | | 0.5 | 11.0 | 10.5 | 3.0 | 3.0 | | | 28.0 |
| Riddle | | | | 4.0 | 0.2 | 25.0 | 3.8 | | | 10.5 |
| Riverside | | | 1.0 | 3.8 | 6.2 | 12.0 | 10.5 | (*) | | |
| Roseburg | | | | 2.2 | 0.3 | 17.8 | 1.0 | T. | | 21.3 |
| Salem | | | | 1.0 | | (*) | | | | |
| Silver Lake | | | T. | 6.0 | 6.0 | 23.5 | 1.0 | T. | | 36.5 |
| Siskiyou | | | 8.5 | 67.5 | 47.5 | 54.5 | 52.5 | 13.5 | 7.0 | 251.0 |
| Sisters | | T. | 9.0 | 24.5 | 17.0 | 27.5 | 11.0 | 2.0 | 2.0 | 93.0 |
| Sparta | | 2.0 | 21.0 | 36.0 | 32.0 | 17.0 | 40.0 | 11.0 | T. | 123.0 |
| Stafford | | | | 3.8 | 0.5 | (*) | | | | |
| Stanfield | | | | 3.9 | 1.8 | 8.0 | | | | 6.5 |
| Starkey | | T. | 1.0 | 24.6 | 24.7 | 15.5 | 9.0 | 4.5 | T. | 79.3 |
| Summit | | | | 6.4 | 10.6 | 21.9 | T. | | | 38.9 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Oregon*—Continued. | | | | | | | | | | |
| Sunrise Valley | | | | 13.0 | 6.0 | 11.0 | 5.0 | T. | | 34.0 |
| Susanville | | 1.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Talent | | | | 9.0 | 5.0 | 22.5 | 4.8 | | | 41.3 |
| The Dalles | | | | 4.1 | 1.6 | 9.3 | | | | 15.0 |
| Tillamook | | | | 2.0 | 3.9 | 6.9 | 2.5 | | | 15.3 |
| Toledo | | | | 1.5 | 1.2 | 7.5 | 1.5 | | | 11.7 |
| Umatilla | | | | 3.0 | 0.5 | 3.0 | T. | | | 6.5 |
| Union | | | 0.3 | 11.9 | 20.4 | 10.8 | 2.4 | 6.6 | | 52.4 |
| Vale | | | T. | 6.0 | 7.0 | 8.2 | 9.2 | | | 30.4 |
| Valley Falls | | 5.0 | | 4.0 | 1.0 | 10.0 | 9.5 | 5.5 | | 35.0 |
| Vida | | | | 15.0 | 10.5 | 45.0 | 10.5 | 0.5 | | 81.5 |
| Vistillas | | | 6.5 | 24.5 | 17.0 | 20.5 | 18.0 | 2.5 | | 89.0 |
| Waldo | | | T. | 26.0 | (*) | 68.5 | 19.0 | 3.0 | | |
| Wallace Orchard | | | | 1.5 | 5.0 | 9.8 | T. | | | 16.3 |
| Wallowa | (*) | (*) | 0.3 | 21.0 | 11.2 | 21.5 | 11.0 | 3.2 | 0.5 | |
| Wamic | | | T. | 5.8 | 6.0 | 11.0 | 7.5 | | | 30.3 |
| Warmspring | (*) | | | 6.4 | 2.3 | 14.2 | 5.0 | | | 27.9 |
| Wasco | | | | 9.0 | 3.0 | 12.0 | | | | 24.0 |
| Welches | | | T. | 7.5 | 18.0 | 29.0 | 23.0 | 3.0 | | 80.5 |
| Weston | | | T. | 21.0 | 8.8 | 10.0 | 1.0 | 1.5 | T. | 42.3 |
| Williams | | | | 20.5 | 1.0 | 32.0 | 5.5 | T. | | 59.0 |
| Yonna | | | 4.0 | 13.7 | 11.0 | 13.0 | 9.0 | 1.2 | 0.3 | 52.2 |
| *Pennsylvania.* | | | | | | | | | | |
| Aleppo | | | T. | 6.0 | 9.0 | 12.0 | 12.0 | 4.0 | | 43.0 |
| Allentown | | | T. | 11.0 | 2.8 | 11.1 | 11.0 | T. | | 35.9 |
| Altoona | | | 3.0 | 15.0 | 8.5 | 10.5 | 19.5 | 8.0 | T. | 64.5 |
| Ansonia | | | 2.0 | (*) | 3.0 | 5.0 | 14.0 | 2.0 | T. | |
| Austin | | | 10.0 | 10.8 | 7.1 | 5.3 | 6.0 | 0.7 | | 39.9 |
| Baldwin | | | 0.5 | 7.2 | 17.1 | 11.8 | (*) | (*) | (*) | |
| Beaver Dam | | | 0.5 | 7.3 | 10.4 | 5.8 | 8.4 | 0.6 | T. | 33.0 |
| Beaver Falls | | | 0.3 | 5.1 | (*) | 3.6 | 8.3 | 0.7 | | |
| Bellefonte | | | T. | 7.0 | 15.0 | 0.9 | 18.0 | 1.0 | | 41.9 |
| Bethlehem | | | (*) | 0.9 | 6.0 | 14.0 | 20.5 | (*) | | |
| Bloserville | | | T. | 5.0 | (*) | (*) | (*) | (*) | (*) | |
| Bradford | | | 15.5 | 26.0 | 21.5 | 12.7 | 15.1 | 1.0 | T. | 91.8 |
| Brookville | | | 0.5 | 8.5 | (*) | (*) | 8.5 | (*) | | |
| Browers Lock | | | (*) | 12.0 | 7.5 | 7.2 | 8.2 | 4.5 | | |
| Carlisle | | | T. | 6.5 | 13.0 | 15.0 | 19.5 | 1.5 | | 55.5 |
| Catawissa | | | 0.2 | 8.1 | 7.5 | 5.5 | 10.8 | T. | | 32.1 |
| Center Hall | | | T. | 7.5 | 7.0 | 5.0 | 12.5 | (*) | | |
| Chambersburg | | | (*) | 3.8 | 11.2 | 10.5 | 7.8 | 1.0 | | |
| Clarion | | | 3.5 | 18.5 | 13.5 | 13.5 | 14.0 | 2.0 | (*) | |
| Claysville | | | T. | 5.5 | 8.0 | 3.5 | 20.0 | 2.0 | | 39.0 |
| Clearfield | | | T. | 8.7 | 11.9 | 6.5 | 24.0 | 2.0 | T. | 53.1 |
| Coatesville | | | T. | 14.9 | 8.5 | 9.6 | 15.3 | 5.5 | | 53.8 |
| Colebrook | | | T. | 10.7 | 9.6 | 11.2 | 13.2 | 3.5 | | 48.2 |
| Coraopolis | | | 0.7 | 5.0 | 10.4 | 2.4 | 11.3 | | | 29.8 |
| Corry | | | 21.5 | (*) | 11.5 | 12.0 | 10.5 | 2.0 | T. | |
| Davis Island Dam | | | T. | (*) | (*) | (*) | (*) | (*) | (*) | |
| Derry | | | T. | 8.8 | 14.6 | (*) | 14.0 | 2.1 | | |
| Doylestown | | | (*) | 13.5 | 6.0 | 9.5 | 10.5 | 2.0 | | |
| Drifton | | | 0.5 | 19.2 | 12.8 | 10.6 | 22.5 | 7.0 | 0.5 | 73.1 |
| Edinboro | | | 22.0 | 40.0 | 20.5 | 18.8 | 10.0 | 8.5 | T. | 119.8 |
| Emporium | | | 2.7 | 6.4 | 10.0 | 7.5 | 8.5 | T. | T. | 35.1 |
| Ephrata | | | (*) | 12.7 | 9.6 | 15.2 | 13.3 | 2.0 | | |
| Erie | | | 12.2 | 20.3 | 11.3 | 7.9 | 10.3 | 8.7 | 0.1 | 70.8 |
| Everett | | | T. | 9.0 | 5.0 | 13.0 | 23.0 | 2.0 | | 52.0 |
| Franklin | | | 1.0 | 8.5 | 12.0 | 4.0 | 9.3 | (*) | (*) | |
| Freeland | | | T. | 13.0 | 13.1 | 7.6 | 20.5 | 7.0 | 0.5 | 61.7 |
| Freeport | | | T. | 7.8 | 10.1 | 2.5 | 15.0 | T. | | 35.4 |
| George School | | | T. | 10.0 | 7.2 | 10.5 | 12.5 | 7.0 | | 47.2 |
| Gettysburg | | | | 9.5 | 5.0 | 10.2 | 18.8 | 4.0 | | 47.5 |
| Girardville | | | 0.2 | 14.2 | 10.2 | 11.8 | 20.5 | T. | | 56.9 |
| Gordon | | | T. | 12.0 | 13.0 | 12.0 | 19.0 | (*) | | |
| Greensboro | | | T. | 4.4 | 6.0 | 5.6 | 16.8 | | | 32.8 |
| Greensburg | | T. | 0.5 | 11.5 | 13.5 | 8.2 | 11.6 | 3.8 | T. | 49.1 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Pennsylvania*—Continued. | | | | | | | | | | |
| Greenville | ..... | ..... | 6.0 | 18.4 | 13.8 | 11.4 | 13.6 | 3.0 | ..... | 66.2 |
| Grove City | ..... | ..... | 0.2 | 9.0 | 9.9 | 6.0 | 7.6 | 3.5 | ..... | 36.2 |
| Hamburg | ..... | ..... | T. | 12.0 | 7.0 | 12.5 | 13.1 | 0.5 | ..... | 45.1 |
| Hanover | ..... | ..... | T. | 7.5 | 2.5 | 8.0 | 11.5 | 4.8 | ..... | 34.3 |
| Harrisburg | ..... | ..... | T. | 7.5 | 12.2 | 14.1 | 10.5 | 0.8 | ..... | 45.1 |
| Herrs Island Dam | ..... | ..... | 0.6 | 6.5 | 8.5 | 4.7 | 14.5 | 0.5 | ..... | 35.3 |
| Honesdale | ..... | ..... | 1.5 | 9.2 | 8.5 | 0.9 | 1.5 | (*) | ..... | ..... |
| Huntingdon | ..... | ..... | T. | 9.2 | 9.8 | 8.0 | 14.0 | 1.5 | ..... | 42.5 |
| Hyndman | ..... | ..... | T. | 8.0 | 9.0 | 18.5 | 21.0 | 2.0 | ..... | 58.5 |
| Indiana | ..... | ..... | 0.2 | 10.2 | 13.5 | 11.0 | 16.0 | T. | T. | 50.9 |
| Irwin | ..... | ..... | T. | 5.1 | 10.2 | 3.4 | 4.3 | 0.5 | ..... | 23.5 |
| Johnstown | ..... | ..... | 0.5 | 17.1 | 11.7 | 11.4 | 14.3 | 1.3 | T. | 56.3 |
| Lancaster | ..... | ..... | T. | 13.4 | 6.4 | 1.2 | 17.2 | 4.5 | ..... | 42.7 |
| Lansford | ..... | ..... | T. | 13.8 | 11.4 | 6.0 | 15.0 | 1.5 | ..... | 47.7 |
| Lawrenceville | ..... | ..... | 4.0 | 11.0 | 8.0 | 11.0 | 13.0 | T. | ..... | 47.0 |
| Lebanon | ..... | ..... | T. | 9.6 | 8.5 | 12.0 | 10.8 | 3.0 | ..... | 43.9 |
| Le Roy | ..... | ..... | 1.9 | 6.8 | 4.6 | 7.0 | 15.1 | 3.2 | T. | 38.6 |
| Lewisburg | ..... | ..... | T. | 8.0 | 11.2 | 4.1 | 14.2 | ..... | ..... | 37.5 |
| Linesville | ..... | ..... | 8.0 | 28.8 | (*) | 7.8 | 9.5 | 3.5 | (*) | ..... |
| Lloyd | ..... | ..... | T. | 7.0 | 4.0 | 13.0 | 9.0 | ..... | ..... | 33.0 |
| Lock Haven | ..... | ..... | T. | 9.7 | 11.5 | 9.0 | 15.5 | T. | ..... | 45.7 |
| Lock No. 4 | ..... | ..... | T. | 24.3 | 14.0 | (*) | (*) | 0.3 | ..... | ..... |
| Lycippus | ..... | ..... | 0.3 | 14.6 | 13.2 | 11.0 | 13.1 | 7.0 | ..... | 59.2 |
| Lykens | ..... | ..... | T. | 7.6 | 6.5 | 10.3 | 13.0 | 1.0 | ..... | 38.4 |
| McCall Ferry | ..... | ..... | T. | 6.2 | 8.5 | 5.0 | 17.5 | 4.0 | ..... | 41.2 |
| Marion | ..... | ..... | (*) | 6.5 | (*) | (*) | (*) | (*) | (*) | ..... |
| Mauch Chunk | ..... | ..... | T. | 16.0 | 8.2 | 5.0 | 7.0 | ..... | (*) | ..... |
| Media | ..... | ..... | T. | 12.0 | 8.0 | 12.0 | 11.4 | 5.5 | ..... | 48.9 |
| Mifflintown | ..... | ..... | T. | 8.0 | 13.0 | 8.0 | 12.0 | 1.0 | ..... | 42.0 |
| Milford | ..... | ..... | (*) | 12.0 | 3.0 | 2.0 | 5.0 | (*) | (*) | ..... |
| Montrose | ..... | ..... | 0.2 | 10.0 | 9.0 | 10.0 | 11.0 | 4.0 | ..... | 44.2 |
| Mosgrove | ..... | ..... | T. | 8.0 | 5.5 | 4.8 | 12.0 | T. | ..... | 30.3 |
| Mount Pocono | ..... | ..... | T. | (*) | 5.5 | T. | 10.5 | 2.0 | T. | ..... |
| Muncy Valley | ..... | ..... | 0.2 | 6.4 | 5.8 | 5.2 | 11.2 | (*) | ..... | ..... |
| Neshaminy Falls | ..... | ..... | T. | 9.2 | 10.8 | 9.5 | 11.8 | 8.8 | ..... | 50.1 |
| New Castle | ..... | ..... | T. | 11.8 | 2.5 | 1.0 | 4.0 | T. | ..... | 19.3 |
| Parkers Landing | ..... | ..... | 0.6 | 6.6 | 10.7 | 2.0 | 16.5 | T. | T. | 36.4 |
| Philadelphia (*a*) | ..... | ..... | T. | 9.2 | 5.4 | 8.4 | 9.6 | 7.0 | ..... | 39.6 |
| Philadelphia (*c*) | ..... | ..... | T. | 11.7 | (*) | 10.3 | 7.3 | 8.2 | (*) | ..... |
| Philadelphia (*d*) | ..... | ..... | T. | 7.2 | 5.8 | (*) | 10.4 | 5.2 | ..... | ..... |
| Phoenixville | ..... | ..... | T. | 10.5 | 5.0 | 6.5 | 8.0 | ..... | ..... | 30.0 |
| Pittsburgh | ..... | ..... | 0.3 | 5.8 | 8.7 | 3.4 | 13.1 | 0.7 | ..... | 32.0 |
| Pottstown | ..... | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Pottsville | ..... | ..... | T. | 12.1 | 6.9 | 8.5 | 9.5 | T. | ..... | 37.0 |
| Punxsutawney | ..... | ..... | (*) | (*) | (*) | (*) | 14.0 | (*) | (*) | ..... |
| Quakertown | ..... | ..... | T. | 18.5 | 6.5 | 7.0 | 10.6 | 2.9 | ..... | 45.5 |
| Reading | ..... | ..... | T. | 10.5 | 9.1 | 11.1 | 13.3 | 3.0 | ..... | 47.0 |
| Renovo | ..... | ..... | (*) | 2.5 | 0.4 | (*) | 3.7 | (*) | ..... | ..... |
| Ridgway | ..... | ..... | 5.0 | 14.5 | 13.5 | 12.5 | 14.5 | 1.0 | 3.0 | 64.0 |
| Sadsburyville | ..... | ..... | 0.1 | 17.5 | 8.1 | 8.3 | 14.5 | 3.0 | ..... | 51.5 |
| Saegerstown | ..... | T. | 9.5 | 21.0 | 20.5 | 13.5 | 7.5 | (*) | ..... | ..... |
| Saltsburg | ..... | ..... | T. | 8.6 | 11.8 | 9.7 | 17.3 | 1.2 | ..... | 48.6 |
| Scranton | ..... | ..... | 0.3 | 10.7 | 9.3 | 8.4 | 11.7 | T. | T. | 40.4 |
| Selingsgrove | ..... | ..... | (*) | 16.7 | 8.2 | 5.2 | 19.8 | (*) | T. | ..... |
| Sharon | ..... | T. | 1.7 | 13.5 | 7.3 | 5.0 | 10.0 | T. | ..... | 37.5 |
| Shawmont | ..... | ..... | (*) | 15.0 | 10.5 | 8.0 | 11.5 | 7.0 | ..... | ..... |
| Somerset | ..... | ..... | T. | 18.2 | 21.3 | 21.2 | 27.6 | 15.2 | T. | 103.5 |
| Springdale | ..... | ..... | 0.5 | 7.3 | 9.4 | 4.1 | 13.5 | 0.2 | ..... | 35.0 |
| State College | ..... | ..... | T. | 8.5 | 10.5 | 5.8 | 12.8 | 1.5 | ..... | 39.1 |
| Stroudsburg | ..... | ..... | T. | 11.5 | 5.0 | 3.0 | 10.0 | T. | ..... | 29.5 |
| Sunbury | ..... | ..... | T. | 4.7 | 4.5 | 2.0 | 10.0 | ..... | ..... | 21.2 |
| Towanda | ..... | ..... | 0.9 | 5.8 | 5.9 | 4.8 | 11.8 | 1.0 | T. | 30.2 |
| Uniontown | ..... | ..... | T. | 12.0 | 9.0 | 13.0 | 9.0 | 1.5 | ..... | 44.5 |
| Vandergrift | ..... | ..... | T. | 11.2 | 13.0 | 7.8 | 11.8 | 1.0 | ..... | 44.8 |
| Warren | ..... | ..... | 12.6 | 14.1 | 12.8 | 11.0 | 11.6 | 2.9 | 1.5 | 66.5 |
| Waterville | ..... | ..... | (*) | 8.5 | 9.0 | 15.5 | 22.0 | (*) | ..... | ..... |
| Weikert | ..... | ..... | 0.2 | 8.0 | 10.0 | 6.0 | 11.0 | ..... | ..... | 35.2 |
| Wellsboro | ..... | ..... | 1.5 | 5.0 | 9.8 | 8.2 | 10.3 | 3.0 | T. | 37.8 |
| West Bingham | ..... | ..... | 5.0 | 8.5 | 6.5 | 7.5 | 7.0 | 6.0 | T. | 40.5 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Pennsylvania*—Continued. | | | | | | | | | | |
| West Chester | | | 0.2 | 17.2 | 5.8 | 6.5 | 9.2 | 6.0 | | 44.9 |
| West Newton | | | 0.1 | (*) | (*) | 3.8 | 11.0 | 2.0 | | |
| White Haven | | | 0.5 | 12.0 | 4.0 | 5.0 | 14.5 | | | 36.0 |
| Wilkes-Barre | | | (*) | 4.3 | 3.7 | 4.8 | 9.0 | (*) | | |
| Williamsport | | | T. | 6.8 | 7.4 | 5.5 | 17.9 | | | 37.6 |
| York | | | T. | 8.0 | 4.0 | 4.0 | 14.0 | 3.0 | | 33.0 |
| *Rhode Island.* | | | | | | | | | | |
| Block Island | | | T. | 3.9 | 4.1 | 4.6 | 9.5 | 4.0 | | 26.1 |
| Bristol | | | T. | 8.5 | 8.5 | 5.0 | 14.5 | 8.0 | T. | 44.5 |
| Kingston | | | T. | 9.0 | 7.5 | 8.0 | 14.5 | 8.0 | (*) | |
| Narragansett Pier | | | T. | 6.5 | 10.0 | 7.5 | 15.5 | 7.0 | | 46.5 |
| Providence | | | 2.5 | 9.2 | 10.0 | 6.3 | 9.6 | 8.8 | T. | 46.4 |
| *South Carolina.* | | | | | | | | | | |
| Aiken | | | | | | | | | | 0.0 |
| Allendale | | | | | | | | | | 0.0 |
| Anderson | | | | T. | | | | | | T. |
| Batesburg | | | | | | | | | | 0.0 |
| Beaufort | (*) | | (*) | | | | | | | |
| Blackville | | | | | | T. | | | | T. |
| Blairs | | | | | | | | | | 0.0 |
| Bowman | | | | | | 1.5 | | | | 1.5 |
| Calhoun Falls | | | | | T. | T. | | | | T. |
| Camden | | | | | T. | T. | | | | T. |
| Catawba | | | | | | | | | | 0.0 |
| Centenary | | | | | T. | T. | | | | T. |
| Chappells | | | | | | | | | | 0.0 |
| Charleston | | | | | | T. | | | | T. |
| Cheraw | | | | | T. | T. | | | | T. |
| Clemson College | | | | T. | | | | | | T. |
| Columbia | | | | | | T. | | | | T. |
| Conway | | | | | | T. | | | | T. |
| Darlington | | | | | T. | T. | | | | T. |
| Dillon | | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Edgefield | | | | | | | | | | 0.0 |
| Edisto | | | | | | T. | | | | T. |
| Effingham | | | | | | | | | | 0.0 |
| Ferguson | | | | | | | | | | 0.0 |
| Florence, No. 1 | | | | | | | | | | 0.0 |
| Florence, No. 2 | | | | | T. | | | | | T. |
| Gaston Shoals | | | | 2.2 | T. | 0.2 | | | | 2.4 |
| Georgetown | | | | | | T. | | | | T. |
| Greenville | | | | 4.0 | | | | | | 4.0 |
| Greenwood | | | | | | | | | | 0.0 |
| Heath Spring | | | | | T. | | | | | T. |
| Kershaw | | | | | | | | | | 0.0 |
| Kingstree | | | | | | | | | | 0.0 |
| Landrum | | | | 5.5 | T. | T. | | | | 5.5 |
| Liberty | | | | 2.0 | T. | | | | | T. |
| Little Mountain | | | | | T. | | | | | T. |
| Mayesville (near) | | | | | (*) | (*) | (*) | (*) | (*) | |
| Meriwether | | | | | (*) | (*) | | | | |
| Monetta | | | | | | | | | | 0.0 |
| Mountain Rest | | | | 2.3 | T. | T. | T. | | | 2.3 |
| Newberry | | | | | T. | | | | | T. |
| Oaks | | | | | T. | T. | | | | T. |
| Orangeburg | (*) | | | | | T. | | | | |
| Pelzer | | | | | | | | | | 0.0 |
| Pinopolis | | | | | | | | | | 0.0 |
| Rimini | | | | | | 0.8 | | | | 0.8 |
| St. George | | | | | | 0.3 | | | | 0.3 |
| St. Matthews | | | | | | 0.5 | | | | 0.5 |
| Saluda | | | | | | | | | | 0.0 |
| Santuck | | | | | T. | | | | | T. |
| Society Hill | | | | | T. | | | | | T. |
| Spartanburg | | | | 0.8 | T. | T. | | | | 0.8 |
| Summerville | | | | | | T. | | | | T. |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *South Carolina*—Continued. | | | | | | | | | | |
| Trenton | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Walhalla | ..... | ..... | ..... | 1.0 | ..... | ..... | ..... | ..... | ..... | 1.0 |
| Walterboro | (*) | (*) | (*) | (*) | (*) | ..... | ..... | ..... | ..... | ..... |
| White Hall (near) | ..... | ..... | ..... | (*) | (*) | (*) | (*) | ..... | ..... | ..... |
| White Oak | ..... | ..... | ..... | ..... | T. | ..... | ..... | ..... | ..... | T. |
| Winthrop College | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| Yemassee | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 0.0 |
| *South Dakota.* | | | | | | | | | | |
| Aberdeen | ..... | 0.5 | 2.0 | 20.5 | 12.3 | 14.7 | 16.4 | 3.5 | ..... | 69.9 |
| Academy | ..... | 4.5 | 3.0 | 6.2 | 10.7 | 4.2 | 20.0 | 0.2 | ..... | 48.8 |
| Alexandria | ..... | 2.0 | 1.0 | 5.0 | 16.5 | (*) | (*) | (*) | ..... | ..... |
| Ardmore | ..... | (*) | 6.2 | 2.0 | 7.0 | 1.5 | 16.5 | 9.0 | ..... | ..... |
| Armour | ..... | 1.5 | 2.0 | 5.5 | 11.0 | 1.8 | 19.5 | 1.2 | ..... | 42.5 |
| Bellefourche | ..... | 1.0 | 3.0 | 9.0 | 4.0 | 2.0 | 12.5 | (*) | T. | ..... |
| Bison | ..... | 1.0 | 1.0 | 11.0 | 11.0 | 3.5 | 6.0 | 0.5 | ..... | 34.0 |
| Britton | ..... | T. | 1.0 | 15.0 | 3.5 | 7.9 | 6.5 | 0.5 | ..... | 34.4 |
| Brookings | ..... | 0.6 | T. | 3.6 | 14.5 | 5.0 | 12.0 | ..... | ..... | 35.7 |
| Bryant | ..... | 2.8 | T. | 4.5 | (*) | 2.0 | 7.5 | 7.0 | ..... | ..... |
| Camp Crook | ..... | 1.0 | 1.0 | 9.3 | 5.0 | 2.4 | 9.7 | 2.0 | 1.0 | 31.4 |
| Canton | ..... | 8.0 | 0.6 | 4.0 | 16.0 | 2.0 | 20.0 | ..... | ..... | 50.6 |
| Castlewood | ..... | 4.0 | T. | 1.2 | 4.3 | 4.2 | 2.4 | 2.5 | T. | 18.6 |
| Cedar Canyon | ..... | 4.0 | 1.5 | 12.0 | 14.5 | 10.0 | 10.5 | 7.5 | (*) | ..... |
| Centerville | ..... | 7.6 | 1.9 | 5.4 | 18.2 | 6.2 | 21.3 | ..... | T. | 60.6 |
| Chamberlain | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 1.0 | ..... | ..... |
| Clark | T. | 2.5 | (*) | 13.7 | 22.3 | 6.3 | 25.3 | 1.0 | ..... | ..... |
| Cottonwood | ..... | 0.2 | 2.9 | 4.0 | 14.5 | 4.0 | 4.0 | 5.2 | T. | 34.8 |
| Crow Creek | (*) | 2.0 | (*) | 5.5 | 13.5 | T. | (*) | 2.5 | ..... | ..... |
| Custer | T. | T. | 1.5 | 2.0 | 6.0 | 8.0 | (*) | (*) | 8.0 | ..... |
| Deadwood | ..... | 6.8 | 8.0 | 30.0 | 5.0 | 10.0 | 17.5 | 24.0 | 1.5 | 102.8 |
| Deerfield | 0.5 | 5.6 | 5.5 | 13.8 | 11.4 | 5.7 | 8.2 | 31.8 | 9.4 | 91.9 |
| De Smet | ..... | 6.0 | ..... | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Dowling | ..... | 0.2 | 4.0 | 10.0 | 18.0 | 8.8 | 10.6 | 23.6 | ..... | 75.2 |
| Dumont | 0.8 | 6.4 | 9.2 | 19.2 | 11.1 | 16.5 | 14.5 | 16.0 | 3.0 | 96.7 |
| Eagle Butte | ..... | 0.3 | T. | 9.5 | 9.0 | 2.0 | 9.0 | 6.3 | T. | 36.1 |
| Eales | ..... | 0.6 | 0.3 | 13.9 | 12.5 | 6.0 | 3.9 | 7.2 | T. | 44.4 |
| Elk Mountain | 1.0 | 6.0 | 7.0 | 5.0 | 8.0 | 7.0 | 10.0 | 16.0 | 6.0 | 66.0 |
| Ellingson | (*) | 1.0 | (*) | 12.5 | 8.0 | T. | 8.0 | 4.0 | ..... | ..... |
| Eureka | ..... | T. | 1.0 | 4.5 | 6.8 | 2.7 | 12.0 | 9.0 | ..... | 36.0 |
| Fairfax | ..... | 0.2 | 5.0 | 4.5 | 8.7 | 4.0 | 20.8 | 5.0 | ..... | 48.2 |
| Faulkton | ..... | T. | T. | 12.0 | 17.8 | 20.5 | 16.5 | 7.0 | ..... | 73.8 |
| Flandreau | ..... | 2.2 | 0.5 | 4.9 | 15.4 | 1.5 | 14.2 | T. | ..... | 38.7 |
| Forestburg | ..... | 5.6 | T. | 4.2 | 18.7 | 2.2 | 15.5 | ..... | ..... | 46.2 |
| Fort Meade | ..... | 5.0 | 7.5 | 12.0 | 2.7 | 5.5 | 11.5 | 12.0 | ..... | 56.2 |
| Gann Valley | T. | 2.5 | 1.0 | 5.5 | 4.0 | 1.0 | 7.0 | 2.0 | ..... | 23.0 |
| Goldfield | ..... | 1.0 | 6.8 | 14.0 | 6.7 | 15.0 | 12.3 | (*) | (*) | ..... |
| Greenmont | 3.0 | 19.8 | 14.0 | 26.5 | 15.0 | 19.0 | 23.6 | 24.2 | 2.4 | 147.5 |
| Hardingrove | ..... | 1.2 | 3.0 | 8.0 | 10.0 | 4.0 | 9.0 | 11.0 | ..... | 46.2 |
| Hardy Ranger Station | 5.0 | 14.0 | 16.0 | 33.0 | 19.1 | 19.0 | 17.0 | 21.3 | 2.8 | 147.2 |
| Harveys Ranch | 1.5 | 6.0 | 7.0 | 22.5 | 13.5 | 22.0 | 14.5 | 22.5 | 21.0 | 130.5 |
| Hermosa | ..... | 0.5 | 3.0 | 4.0 | 8.7 | 0.2 | 8.8 | 30.0 | 7.5 | 62.7 |
| Highmore | ..... | 1.0 | 1.1 | 4.7 | 10.7 | 5.3 | 11.2 | 5.8 | ..... | 39.8 |
| Hopewell | ..... | 2.0 | 2.0 | 9.0 | 14.0 | 8.0 | 10.5 | 1.0 | ..... | 46.5 |
| Hot Springs | ..... | 2.0 | 2.9 | 4.0 | (*) | 1.9 | 8.6 | 6.0 | (*) | ..... |
| Howard | ..... | 1.5 | (*) | (*) | (*) | 1.5 | 11.5 | T. | ..... | ..... |
| Howell | ..... | 1.5 | 0.4 | 6.1 | 12.2 | 6.6 | 10.8 | 2.1 | ..... | 39.7 |
| Huron | ..... | 2.8 | 0.4 | 8.6 | 25.5 | 5.5 | 10.5 | T. | ..... | 53.3 |
| Interior | ..... | ..... | 3.0 | 3.0 | (*) | 5.1 | 5.0 | 10.0 | ..... | ..... |
| Ipswich | (*) | T. | T. | 9.5 | 9.8 | 3.5 | 11.0 | 4.0 | ..... | ..... |
| Jefferson | ..... | 2.0 | 3.0 | 7.0 | 8.0 | 3.0 | 9.5 | 5.5 | T. | 38.0 |
| Kadoka | ..... | 3.0 | 2.4 | 2.0 | 3.0 | 2.6 | 4.0 | 6.5 | 2.0 | 25.5 |
| Kennebec | ..... | 6.0 | 1.5 | 9.0 | 16.5 | 4.5 | 12.5 | 5.0 | ..... | 55.0 |
| Kimball | ..... | ..... | T. | (*) | (*) | T. | (*) | ..... | ..... | ..... |
| La Delle | ..... | 3.0 | T. | 6.0 | 10.0 | 3.0 | 16.0 | T. | ..... | 38.0 |
| Lead | 2.5 | 12.0 | 13.0 | 25.0 | 10.5 | 17.0 | 17.5 | 28.0 | 3.0 | 128.5 |
| Lemmon | ..... | 0.5 | 0.8 | 12.0 | 15.0 | 7.0 | 11.0 | 8.0 | T. | 54.3 |
| McIntosh | ..... | 0.5 | 0.7 | 9.5 | 10.0 | 6.0 | 11.0 | 10.2 | ..... | 47.9 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *South Dakota*—Continued. | | | | | | | | | | |
| Marion | ..... | 4.0 | 0.5 | 4.0 | 21.0 | 4.5 | 31.7 | T. | T. | 65.7 |
| Marston | ..... | 0.8 | 0.2 | 9.2 | 15.6 | 3.0 | 8.3 | 4.0 | ..... | 41.1 |
| Meadow | ..... | 2.0 | 2.0 | 8.0 | 10.0 | 3.5 | 9.5 | 4.0 | T. | 39.0 |
| Mellette | ..... | 1.0 | 10.0 | 21.0 | 19.0 | 10.0 | 31.0 | 3.0 | ..... | 95.0 |
| Menno | ..... | 3.0 | 3.0 | 4.0 | 13.0 | 9.0 | 25.0 | ..... | ..... | 57.0 |
| Milbank | ..... | 2.0 | 0.7 | 4.8 | 11.5 | 8.7 | 21.5 | ..... | ..... | 49.2 |
| Mitchell | ..... | 0.3 | 1.5 | 4.0 | 29.0 | 14.0 | 21.0 | 2.0 | ..... | 71.8 |
| Mobridge | ..... | T. | 0.7 | 5.7 | 23.8 | 5.0 | 10.0 | (*) | ..... | ..... |
| Murdo | ..... | 0.5 | 3.0 | 7.0 | 18.6 | 2.5 | 13.0 | 11.5 | 2.0 | 58.1 |
| Oelrichs | ..... | T. | 11.0 | 2.0 | 6.0 | 3.0 | 13.0 | 11.0 | T. | 46.0 |
| Onaka | ..... | 1.0 | 1.5 | 11.0 | 12.0 | 4.5 | 9.0 | 7.0 | (*) | ..... |
| Onida | ..... | T. | T. | 7.0 | 20.0 | 10.0 | 14.0 | 6.0 | ..... | 57.0 |
| Orman | ..... | 1.0 | 5.0 | 11.6 | 7.5 | 5.0 | 15.0 | 14.1 | ..... | 59.2 |
| Ottumwa | ..... | 1.0 | 2.0 | 9.0 | 13.0 | 10.0 | 12.0 | 10.0 | ..... | 57.0 |
| Parkston | ..... | (*) | 1.0 | 4.0 | 19.5 | 5.0 | 19.0 | ..... | ..... | ..... |
| Pearl Creek | ..... | 1.5 | 0.3 | 4.5 | 12.7 | (*) | 4.2 | ..... | ..... | ..... |
| Pierre | ..... | 0.9 | 0.7 | 11.7 | 14.1 | 4.5 | 6.4 | 9.3 | ..... | 47.6 |
| Pine Ridge | ..... | 6.0 | 4.5 | 4.7 | 3.2 | 4.0 | 14.0 | 7.0 | 1.0 | 44.4 |
| Pollock | ..... | 0.2 | ..... | 12.0 | 11.7 | 3.4 | 6.2 | (*) | ..... | ..... |
| Rapid City | ..... | 1.1 | 4.7 | 7.9 | 7.0 | 3.4 | 9.7 | 22.6 | 0.9 | 57.3 |
| Redfield | ..... | 1.0 | ..... | 22.2 | 38.0 | 8.0 | 24.5 | 0.5 | ..... | 94.2 |
| Redig | ..... | 1.0 | 2.0 | 11.2 | 8.3 | 6.0 | 11.2 | 5.5 | T. | 45.2 |
| Rochford | 1.0 | 7.0 | 0.6 | 11.0 | 6.0 | 7.5 | 14.0 | 21.5 | 6.0 | 74.6 |
| Rosebud Agency | ..... | 6.0 | 4.2 | 8.0 | 9.5 | 0.6 | 13.0 | 11.0 | 3.0 | 55.3 |
| Roslyn | ..... | 1.5 | 0.4 | 9.0 | 5.5 | 3.2 | 14.7 | 4.9 | ..... | 39.2 |
| Sioux Falls | ..... | 4.0 | 1.0 | 5.0 | 18.6 | 1.0 | 27.5 | 0.5 | T. | 57.6 |
| Spearfish | ..... | 4.0 | 11.0 | 16.5 | 3.0 | 9.5 | 12.0 | 7.5 | 1.0 | 64.5 |
| Stephan | ..... | 1.5 | T. | 12.5 | 11.5 | 2.0 | 11.0 | 2.0 | T. | 40.5 |
| Timber Lake | (*) | 0.5 | T. | 15.2 | 24.5 | (*) | 1.7 | (*) | (*) | ..... |
| Tyndall | ..... | 1.5 | 1.0 | 4.0 | 8.9 | 2.0 | 21.0 | T. | ..... | 38.4 |
| Vale | ..... | 1.0 | 5.0 | 11.5 | 5.0 | 3.0 | 10.0 | 13.5 | T. | 49.0 |
| Vermillion | ..... | 10.0 | 5.0 | 10.5 | 15.0 | 7.0 | 18.4 | T. | T. | 65.9 |
| Vivian | ..... | 3.0 | 1.2 | 4.0 | 13.0 | 3.0 | 6.0 | (*) | ..... | ..... |
| Wagner | ..... | 3.0 | 1.5 | 5.5 | 17.2 | 6.7 | 21.0 | T. | ..... | 54.9 |
| Waters Ranch | T. | 11.7 | 15.3 | 22.0 | 9.2 | 12.2 | 18.1 | 25.8 | 2.5 | 116.8 |
| Watertown | ..... | 1.0 | 0.2 | 4.5 | 12.0 | 1.0 | 14.0 | 5.7 | ..... | 38.4 |
| Wentworth | ..... | 2.3 | 0.7 | 4.0 | 10.0 | 7.3 | 16.6 | 1.3 | ..... | 42.2 |
| White Lake | ..... | 1.5 | T. | (*) | (*) | 4.3 | 12.1 | ..... | ..... | ..... |
| Winner | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Wood | ..... | 4.2 | 2.5 | 6.0 | 10.0 | 4.0 | 11.0 | 1.0 | ..... | 38.7 |
| Wososo | ..... | 5.0 | 5.0 | 9.5 | 7.5 | 6.5 | 11.5 | ..... | ..... | 45.1 |
| Yankton | ..... | 4.0 | 2.5 | 5.8 | 18.2 | 4.4 | 20.2 | 1.0 | ..... | 56. |
| *Tennessee.* | | | | | | | | | | |
| Ashwood | ..... | ..... | ..... | 8.0 | T. | 0.5 | (*) | ..... | ..... | ..... |
| Bolivar | ..... | ..... | ..... | 11.0 | 2.5 | ..... | 3.3 | ..... | ..... | 16.8 |
| Byrdstown | ..... | ..... | T. | 9.5 | 2.0 | 2.5 | 7.0 | ..... | ..... | 21.0 |
| Chattanooga | ..... | ..... | T. | 2.3 | 0.1 | 1.7 | 0.3 | ..... | ..... | 4.4 |
| Clarksville | ..... | ..... | ..... | 13.0 | 7.5 | 0.3 | 4.5 | ..... | ..... | 25.3 |
| Decatur | ..... | ..... | ..... | 7.5 | T. | 0.2 | T. | ..... | ..... | 7.7 |
| Florence | ..... | ..... | T. | 6.0 | 3.0 | 1.0 | 1.0 | ..... | ..... | 11.0 |
| Johnson City | ..... | ..... | ..... | 6.5 | 2.0 | 1.5 | 0.7 | ..... | ..... | 10.7 |
| Knoxville | ..... | ..... | T. | 9.3 | 0.8 | 0.2 | 0.2 | ..... | ..... | 10.5 |
| McMinnville | ..... | T. | T. | 7.0 | 0.5 | 1.7 | 0.5 | ..... | ..... | 9.7 |
| Memphis | ..... | ..... | ..... | 5.5 | 5.4 | ..... | 2.9 | ..... | ..... | 13.8 |
| Nashville | ..... | ..... | T. | 10.0 | 1.5 | 0.5 | 8.0 | ..... | ..... | 20.0 |
| Palmetto | ..... | ..... | ..... | 11.5 | 1.5 | 0.5 | 0.8 | ..... | ..... | 14.3 |
| Rogersville | ..... | ..... | ..... | 6.0 | T. | 0.6 | T. | ..... | ..... | 6.6 |
| Rugby | ..... | ..... | T. | 14.0 | 1.0 | 5.5 | 2.0 | ..... | ..... | 22.5 |
| Sparta | ..... | ..... | T. | 7.5 | 1.0 | 1.5 | 1.5 | ..... | ..... | 11.5 |
| Trenton | ..... | ..... | ..... | 11.0 | 6.0 | 1.0 | 3.0 | ..... | ..... | 21.0 |
| Union City | ..... | ..... | T. | 5.2 | 13.0 | 0.5 | 3.0 | ..... | ..... | 21.7 |
| Waynesboro | ..... | ..... | ..... | 8.5 | 0.7 | 1.0 | 1.5 | ..... | ..... | 11.7 |
| Wildersville | ..... | ..... | ..... | 5.0 | 3.5 | T. | 3.5 | ..... | ..... | 12.0 |
| Yukon | ..... | ..... | ..... | 3.5 | 0.6 | (*) | 0.2 | ..... | ..... | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Texas.* | | | | | | | | | | |
| Abilene | | | 0.2 | 0.2 | 5.8 | | 0.5 | | | 6.7 |
| Albany | | | | | 7.0 | | | | | 7.0 |
| Alice | | | | | | | | | | 0.0 |
| Alpine | | | (*) | | | | (*) | (*) | (*) | |
| Alvin | | | | | | | | | | 0.0 |
| Amarillo | | | 3.7 | 6.3 | 6.8 | 2.2 | 2.5 | T. | 9.1 | 30.6 |
| Anahuac | | | | | | | | | | 0.0 |
| Anderson | | (*) | | | | | T. | | | |
| Angleton | | | | | | | | | | 0.0 |
| Antelope | | | T. | | 3.0 | | 1.0 | | | 4.0 |
| Archer City | | | | | 3.0 | | 1.1 | | | 4.1 |
| Arthur City | | | T. | | 5.0 | | T. | | | 5.0 |
| Aspermont | | | | | 4.0 | | 1.6 | | | 5.6 |
| Austin | | | | | | | T. | | | T. |
| Austwell | | | | | | | | | | 0.0 |
| Ballinger | | | | | 5.0 | | | | | 5.0 |
| Barstow | | | | | T. | | 0.5 | | | 0.5 |
| Bay City | | (*) | | | | | | | | |
| Beaumont | | | | | | | | | | 0.0 |
| Beeville | | | | | | | | | | 0.0 |
| Big Spring | | | | | 2.5 | | 0.1 | | | 2.6 |
| Big Wells | | | | | | | | | | 0.0 |
| Blanco | | | T. | | | | | | | T. |
| Boerne | | | | | | | | | | 0.0 |
| Bonham | | | | | 5.5 | | 0.2 | | | 5.7 |
| Bowie | | | 0.2 | T. | 3.0 | | 1.1 | | | 4.3 |
| Brazoria | | | | | | | | | | 0.0 |
| Brazos | | | | | 6.0 | | 1.0 | | | 7.0 |
| Brenham | | | | | | | | | | 0.0 |
| Bridgeport | | | T. | | 5.5 | | 1.1 | | | 6.6 |
| Brighton | | | | | | | | | | 0.0 |
| Brownfield | | | T. | T. | 3.0 | 1.5 | 1.5 | (*) | | |
| Brownsville | | | | | | | | | | 0.0 |
| Brownwood | | | | | 3.5 | | 1.0 | | | 4.5 |
| Bryan | (*) | (*) | (*) | | | | T. | (*) | (*) | |
| Buena Vista | | | | | 2.0 | | T. | | | 2.0 |
| Cameron | | | | | | | T. | | | T. |
| Canadian | | | 2.0 | 2.3 | 3.7 | 2.2 | | | | 10.2 |
| Carrizo Springs | | | | | | | | (*) | (*) | |
| Childress | | | | 0.2 | 2.8 | 0.6 | 0.2 | | | 3.8 |
| Chillicothe | | | | 1.0 | 2.5 | 2.5 | 4.0 | | | 10.0 |
| Clarendon | | | 0.5 | 1.0 | 3.0 | T. | T. | | | 4.5 |
| Clarksville | | | | | 6.5 | | | | | 6.5 |
| Claude | | | 3.0 | | 3.0 | | T. | | 8.0 | 14.0 |
| Claytonville | | (*) | | | 3.0 | | 1.5 | | | |
| Cleburne | | | | | 6.5 | | 0.3 | | | 6.8 |
| Clifton | | | | | 3.0 | | 0.5 | | | 3.5 |
| Coleman | | | | | 5.0 | | 0.5 | | | 5.5 |
| College Station | | | | | | | | | | 0.0 |
| Colorado | | (*) | (*) | | (*) | (*) | (*) | (*) | (*) | |
| Columbus | | | | | | | | | | 0.0 |
| Comanche | | | | | 4.8 | | 1.5 | | | 6.3 |
| Copperas Cove | | | | | (*) | | | | | |
| Corpus Christi | | | | | | | | | | 0.0 |
| Corsicana | | | | | 3.0 | | | | | 3.0 |
| Cotulla | | | | | (*) | (*) | (*) | | | |
| Crockett | | | | | | | 0.2 | | | 0.2 |
| Crosbyton | (*) | (*) | (*) | (*) | 5.0 | | 0.8 | | T. | |
| Crowell | | | | | 3.5 | | 1.0 | | | 4.5 |
| Cuero | | | | | | | | | | 0.0 |
| Dalhart | | | T. | 2.5 | 3.5 | | | | 3.5 | 9.5 |
| Dallas | | | T. | T. | 7.1 | | 1.2 | | | 8.3 |
| Danevang | | | (*) | | (*) | | | | | |
| Del Rio | | | | | | | | | | 0.0 |
| Denison (near) | | | | | 4.0 | | 0.2 | | | 4.2 |
| Denton | | | | | 4.5 | | 0.5 | | | 5.0 |
| Devine | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | | |
| Dialville | (*) | (*) | (*) | | | | | | | |
| Dilley | | | (*) | (*) | | | | | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Texas*—Continued. | | | | | | | | | | |
| Dublin | | | | | 5.5 | | 1.0 | | | 6.5 |
| Duval | | | | | (*) | (*) | (*) | (*) | (*) | |
| Eagle Pass | | | | | | | | | | 0.0 |
| Eastland | | | | | 6.5 | | | | | 6.5 |
| Edna | | | | | | | | | | 0.0 |
| El Paso | | | T. | T. | 0.5 | | 0.4 | | | 0.9 |
| Encinal | | | | | | | | | | 0.0 |
| Fairland | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Falfurrias | | | | | | | | | | 0.0 |
| Finley | | | | | 7.0 | | 2.0 | | | 9.0 |
| Flatonia | | | | | | | | | | 0.0 |
| Flint | | | | | | | 0.5 | | | 0.5 |
| Floresville | | | | | | | | | | 0.0 |
| Fort Clark | | | | | | | | | | 0.0 |
| Fort Davis | | | | | 3.0 | | | | | 3.0 |
| Fort McIntosh | | | | | | | | | | 0.0 |
| Fort McKavett (near) | | | | | 2.0 | | 1.0 | | | 3.0 |
| Fort Stockton | | | T. | | T. | | 0.2 | | | 0.2 |
| Fort Worth | | | T. | T. | 8.2 | | 1.0 | | | 9.2 |
| Fowlerton | | | (*) | | (*) | (*) | (*) | | | |
| Gainesville | | | | | 4.0 | | 1.0 | | | 5.0 |
| Galveston | | | | | T. | | | | | T. |
| Garden City | | | 0.5 | | 2.0 | | 2.0 | | | 4.5 |
| Gatesville | (*) | | | | 1.0 | | | | | |
| Georgetown | | | T. | | T. | | T. | | | T. |
| George West | | | | | | | | | | 0.0 |
| Goliad | | | | | | | | | | 0.0 |
| Gonzales | | | | | | | | | | 0.0 |
| Gorham | | | | | (*) | | T. | | | |
| Graham | | | | | 7.0 | | | | | 7.0 |
| Grand Falls | | | T. | | T. | | | | | T. |
| Grapevine | | | 0.5 | T. | 6.0 | | 1.5 | | | 8.0 |
| Greenville | | | | | 7.0 | | 1.0 | | | 8.0 |
| Hallettsville | | | | | | | | | | 0.0 |
| Hamilton | | | | | 2.0 | | T. | | | 2.0 |
| Hamlin | | | | | 5.5 | | 1.0 | | | 6.5 |
| Harlingen | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Haskell | | | | | 5.0 | | 1.5 | | | 6.5 |
| Hebbronville | | | | | | | | | | 0.0 |
| Hempstead | | | | | | | | | | 0.0 |
| Henderson | | | | | T. | | | | | T. |
| Henrietta | | | | | 2.5 | | 2.0 | | | 4.5 |
| Hewitt | | | | T. | 0.2 | | 0.8 | | | 1.0 |
| Hico | | | | | 6.0 | | | | | 6.0 |
| Highbank | | | | | | | T. | | | T. |
| Hillsboro | | | | | | | 1.0 | | | 1.0 |
| Hills Ranch | | | | | | | | | | 0.0 |
| Hitchcock | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | | |
| Hondo | | | | | | | | | | 0.0 |
| Honey Grove | | | | T. | 6.2 | | 2.1 | | | 8.3 |
| Houston | | | | | | | | | | 0.0 |
| Huntsville | | | | | T. | | | | | T. |
| Jayton | (*) | | | | 4.0 | | 2.0 | | | |
| Jefferson | | | | | 2.0 | | | | | 2.0 |
| Jewett | | | | | | | T. | | | T. |
| Jourdanton | | | | | | | | | | 0.0 |
| Junction | | | | | | | | | | 0.0 |
| Kaufman | | | | | 3.0 | | 2.0 | | | 5.0 |
| Kerrville | | | | | | | | | | 0.0 |
| Knickerbocker | | | | | 3.0 | | 1.0 | | | 4.0 |
| Kopperl | | | | | 4.5 | | 0.3 | | | 4.8 |
| Lagrange | | | | | | | | | | 0.0 |
| Lamesa | | | | | 3.0 | | 1.0 | | | 4.0 |
| Lamkin | (*) | (*) | (*) | (*) | (*) | (*) | 0.3 | | | |
| Lampasas | | | T. | | 1.8 | | | | | 1.8 |
| La Parra | | | | | | | | | | 0.0 |
| La Pryor | | | | | | | | | | 0.0 |
| Laredo | | | | | | | | | | 0.0 |
| Laureles Ranch | (*) | | (*) | (*) | | (*) | (*) | (*) | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Texas*—Continued. | | | | | | | | | | |
| Liberty | | | | | | | | | | 0.0 |
| Lieb (near) | | | 3.2 | 6.0 | 5.5 | 3.0 | 1.0 | T. | T. | 18.7 |
| Littlefield | (*) | | 4.0 | 0.4 | 4.3 | 0.3 | 2.0 | | 0.8 | |
| Llano | | | | | | | T. | | | T. |
| Lobo | (*) | | 2.2 | | | | T. | | | |
| Long Lake | | | | | 2.0 | | | | | 2.0 |
| Longview | | | | | | | T. | | | T. |
| Lubbock | | | | 0.2 | 3.5 | 0.5 | 1.5 | | T. | 5.7 |
| Lufkin | | | | | T. | | | | | T. |
| Luling | | | | | | | | | | 0.0 |
| McGregor | | | | | | | | | (*) | |
| McKinney | | | | T. | 6.0 | | T. | | | 6.0 |
| Marble Falls | | | | | | | | | | 0.0 |
| Marshall | | | | | 2.0 | | 2.0 | | | 4.0 |
| Matagorda | | | | | | | | | | 0.0 |
| Mathis | (*) | (*) | (*) | (*) | (*) | (*) | | | | |
| Memphis | | (*) | | 0.1 | 2.5 | 0.5 | | | | |
| Mercedes | | | | | | | | | | 0.0 |
| Mexia | | | | | 1.8 | | 1.0 | | | 2.8 |
| Miami | | | 5.0 | 1.7 | 3.0 | 3.0 | 0.2 | | T. | 12.9 |
| Midland | | | | | 3.0 | | | | | 3.0 |
| Mission | | | | | | | | | | 0.0 |
| Mont Belvieu | | | | | | | | | | 0.0 |
| Montell | | | | | | | | | | 0.0 |
| Munday | | | | | 4.2 | | | | | 4.2 |
| Nacogdoches | | | | | | | T. | | | T. |
| Navasota | | | | | | | | | | 0.0 |
| New Braunfels | | | | | | | | | | 0.0 |
| Ochiltree | | (*) | | 3.0 | 2.5 | | | | | |
| Orange | | | | | | | | | | 0.0 |
| O 2 Ranch | | | | | 3.2 | | | | | 3.2 |
| Paducah | | | | T. | 4.0 | | 7.0 | | | 11.0 |
| Palestine | | | T. | | 1.0 | | 0.1 | | | 1.1 |
| Panhandle | | | 5.0 | 0.7 | 6.0 | | 2.0 | | | 13.7 |
| Panter | | | | | 7.0 | | | | | 7.0 |
| Paris | | | T. | T. | 6.0 | | T. | | | 6.0 |
| Pearsall | | | | | | | | | | 0.0 |
| Pierce | | | | | | | | | | 0.0 |
| Plainview | | | 3.2 | | 5.5 | 0.5 | 1.0 | | 1.4 | 11.6 |
| Port Arthur | | | | | | | | | | 0.0 |
| Port Lavaca | (*) | (*) | (*) | | (*) | (*) | (*) | (*) | (*) | |
| Post | | | | | 4.0 | | 3.0 | | | 7.0 |
| Putnam | | | | | 6.0 | | 1.0 | | | 7.0 |
| Quanah | | | | | 3.0 | 1.0 | 4.0 | | | 8.0 |
| Ratcliff | | | | | | | T. | | | T. |
| Raymondville | | | | | | | | | | 0.0 |
| Ricardo | | | | | | | | | | 0.0 |
| Ringo Crossing | | | | | 7.0 | | | | | 7.0 |
| Rio Grande | | | | | | | | | | 0.0 |
| Riverside | | | | | | | | | | 0.0 |
| Rochelle | | | | | 5.0 | | 0.5 | | | 5.5 |
| Rockland | | | | | | | | | | 0.0 |
| Rockport | | | | | | | | | | 0.0 |
| Rosenberg | | | | | | | | | | 0.0 |
| Rossville | | | | | | | | | | 0.0 |
| Runge | (*) | | | | | | | | | |
| Sabinal | | | | | | | | | | 0.0 |
| Salado | | | | | | | | | | 0.0 |
| San Angelo | | | | | 4.5 | | | | | 4.5 |
| San Antonio | | | | | | | | | | 0.0 |
| San Augustine | | | | | | | 0.2 | | | 0.2 |
| San Marcos | | | | | | | | | | 0.0 |
| San Saba | | | | | 4.0 | | | | | 4.0 |
| Santa Gertrudes | | | | | | (*) | (*) | | (*) | |
| Sealy | | | | | | | | (*) | (*) | |
| Sherman | | | T. | T. | 4.5 | | 3.1 | | | 8.6 |
| Snyder | | | (*) | (*) | (*) | | (*) | | | |
| Somerville | | | | | | | | | | 0.0 |
| Spur | | | | | 5.0 | | 1.0 | | | 6.0 |
| Stamford | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Texas*—Continued. | | | | | | | | | | |
| Stiles | | | | | 2.6 | | 0.2 | | | 2.8 |
| Stratford | | (*) | (*) | (*) | (*) | 4.5 | (*) | (*) | (*) | |
| Sugarland | | | | | | | | | | 0.0 |
| Sutherland Springs | | | (*) | (*) | (*) | | | | | |
| Sweetwater | (*) | (*) | T. | | 3.4 | | 1.0 | | | |
| Tahoka | (*) | (*) | T. | | 4.8 | | 0.2 | | | |
| Taylor | | | T. | | T. | | T. | | T. | T. |
| Teague | | | | | | | 0.5 | | | 0.5 |
| Temple | | | | | | | | | | 0.0 |
| Thurber | | | | | 7.2 | | 0.8 | | | 8.0 |
| Trinidad | | | T. | | 3.0 | | 1.0 | | | 4.0 |
| Troup | | | | | 0.5 | | 0.5 | | | 1.0 |
| Tulia | | | 5.5 | 1.0 | 7.5 | | 2.0 | | 3.0 | 19.0 |
| Uvalde | | | | | | | (*) | | | |
| Valley Junction | | | | | | | | | | 0.0 |
| Victoria | | | | | | | | | | 0.0 |
| Waco | | | | | | | 0.9 | | | 0.9 |
| Waxahachie | | | | | 4.0 | | 1.0 | | | 5.0 |
| Weatherford | | | | | 8.0 | | T. | | | 8.0 |
| Wellington | | | .05 | | 1.2 | 0.5 | 0.5 | | | 2.7 |
| Whitsett | | | | | | | | | | 0.0 |
| Wichita Falls | | | | | 3.0 | | 0.2 | | | 3.2 |
| Wills Point | | | | | 3.5 | | 0.5 | | | 4.0 |
| Winfield (near) | | | | | 6.0 | | 3.0 | | | 9.0 |
| Winters | | | (*) | (*) | (*) | | | | | |
| Woodsboro | | | | | | | | | | 0.0 |
| Woodville | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | | |
| *Utah.* | | | | | | | | | | |
| Alpine | | | 6.0 | 33.0 | 24.0 | 16.0 | 16.0 | 19.0 | | 114.0 |
| Alton | | | | 24.0 | 22.0 | 28.0 | 3.0 | 26.0 | | 103.0 |
| Beaver | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Beaver Creek Nursery | | 7.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Belknap Ranger Station | | | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | |
| Benmore | | | 3.0 | 25.5 | 12.0 | 11.0 | 10.0 | 8.5 | 3.0 | 73.0 |
| Big Plains | | (*) | (*) | (*) | (*) | (*) | (*) | T. | | |
| Black Rock | | | 5.0 | 13.2 | 12.0 | 16.0 | 9.5 | | | 55.7 |
| Black's Fork | | 7.0 | 16.5 | 35.0 | 17.9 | 21.5 | 16.9 | 31.8 | (*) | |
| Blanding | | | 0.5 | 9.0 | 16.5 | 8.0 | 2.0 | 2.0 | T. | 38.0 |
| Bluff | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | | |
| Brigham City | | | (*) | (*) | (*) | 35.0 | (*) | 1.5 | | |
| Burrville | | | T. | (*) | (*) | (*) | (*) | 12.5 | | |
| Canaan | | (*) | | 4.5 | (*) | (*) | (*) | (*) | (*) | |
| Castle Dale | | | | 6.5 | 4.0 | T. | | (*) | | |
| Castle Rock | (*) | (*) | (*) | 28.0 | 19.0 | 41.0 | 28.0 | 12.0 | T. | |
| Cedar City | | | 5.0 | 11.4 | 17.0 | 2.0 | 15.0 | (*) | (*) | |
| Cedar Fort | | | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Clarkston | | (*) | (*) | (*) | 16.0 | 24.0 | (*) | (*) | | |
| Corinne | | | 3.0 | 17.0 | 11.5 | 33.0 | 4.0 | 11.0 | | 79.5 |
| Cottonwood Nursery | | 12.0 | 27.0 | (*) | (*) | (*) | (*) | (*) | (*) | |
| Cottonwood Sevier | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Cottonwood Wier | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Daniel's Canyon Ranger Station | (*) | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Deseret | | | T. | 8.0 | 10.0 | 9.0 | 8.0 | 3.0 | (*) | |
| Dry Gulch Ranger Station | | 5.0 | 7.0 | (*) | (*) | 19.0 | 4.0 | 2.4 | (*) | |
| Duchesne | | T. | 0.5 | 3.6 | 7.6 | 2.0 | 1.5 | 6.0 | | 21.2 |
| East Fork | | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| East Portal | T. | 4.0 | 16.0 | 43.0 | 17.0 | 25.0 | 11.0 | 14.0 | 15.0 | 145.0 |
| Elberta | | | 1.0 | 14.0 | 7.0 | 9.5 | (*) | | | |
| Elkhorn-Ashley | | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Emery | | | | 4.0 | 5.0 | 3.0 | 1.0 | 10.0 | (*) | |
| Enterprise | | T. | 2.0 | 6.5 | 11.5 | 14.9 | 12.5 | 4.0 | | 51.4 |
| Erekson | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Escalante | | | T. | 14.5 | 15.0 | 10.0 | | 8.0 | | 47.5 |
| Farmington | | | 4.1 | 40.2 | 24.1 | 33.9 | 32.9 | 15.7 | | 150.9 |
| Fillmore | | | 6.0 | 23.5 | 20.5 | 11.0 | 18.5 | 9.0 | | 88.5 |
| Fort Duchesne | (*) | (*) | (*) | (*) | (*) | 3.0 | 3.0 | | | |
| Fruitland | | T. | 10.0 | 26.0 | 14.5 | (*) | 1.8 | 10.5 | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Utah*—Continued. | | | | | | | | | | |
| Garland | | T. | 1.5 | 16.6 | 8.0 | 25.0 | 12.5 | 6.0 | | 69.6 |
| Garrison | | | | 4.0 | 4.0 | (*) | | | (*) | |
| Government Creek | | 2.0 | 4.7 | 21.7 | 9.5 | 6.7 | 8.1 | 4.1 | T. | 56.8 |
| Grantsville | | | 2.0 | 10.5 | 13.1 | 13.0 | 12.0 | 7.0 | | 57.6 |
| Green River | (*) | | | 1.0 | 8.0 | 4.0 | 2.0 | T. | | |
| Hanksville | | | | 4.0 | 7.5 | | 1.0 | | | 12.5 |
| Hatch | | | | 30.0 | 11.0 | 8.0 | 5.0 | 15.5 | 1.5 | 71.0 |
| Hayden | | T. | 2.5 | 5.5 | 12.0 | 9.0 | 5.2 | 2.0 | | 36.2 |
| Heber | | | 8.0 | 66.0 | 14.0 | 15.5 | 14.0 | 12.0 | | 129.5 |
| Henefer | | T. | 9.6 | 37.5 | 13.5 | 29.0 | 8.2 | 1.5 | T. | 99.3 |
| High Line, City Creek | | (*) | 21.5 | 102.5 | 39.0 | 26.0 | 60.5 | 18.0 | | |
| Hole in the Rock | | 3.0 | 9.0 | 16.0 | 9.0 | 10.0 | 6.5 | 26.0 | 22.0 | 101.5 |
| Holestein | | 5.0 | 13.0 | 37.5 | 24.9 | (*) | 22.1 | 21.5 | 3.7 | |
| Howell | (*) | (*) | (*) | (*) | (*) | (*) | 12.0 | (*) | | |
| Huntsville | (*) | (*) | (*) | (*) | (*) | 25.0 | 17.0 | 1.5 | T. | |
| Hurricane | | | | (*) | (*) | (*) | (*) | (*) | | |
| Ibapah | | 2.5 | 3.7 | 14.4 | 13.0 | 12.0 | 9.0 | 3.5 | | 58.1 |
| Indian Canyon Ranger Station | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Indian Farm | | T. | 35.0 | 10.2 | 11.5 | 13.8 | 6.2 | 6.0 | T. | 82.7 |
| Iosepa | | (*) | 0.5 | 9.0 | 16.5 | 11.0 | 4.0 | (*) | (*) | |
| Joseph | | | 1.0 | (*) | (*) | (*) | 3.0 | (*) | | |
| Jozella Ranch | | | T. | 2.6 | 4.0 | 16.0 | T. | | | 22.6 |
| Junction | | T. | T. | 3.8 | 7.3 | 0.4 | 1.9 | 7.2 | | 20.6 |
| Kanab | (*) | (*) | (*) | (*) | (*) | 14.0 | 1.5 | 4.0 | | |
| Kanosh | | | 5.0 | 21.0 | 23.0 | 8.5 | 17.5 | 4.0 | | 79.0 |
| Kelton | | | 1.0 | 8.0 | 5.0 | 9.0 | 10.0 | 10.0 | | 43.0 |
| Lake Creek Ranger Station | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Lake View Farm | | T. | 2.5 | 29.3 | 9.6 | 13.1 | 4.6 | 13.0 | T. | 72.1 |
| La Sal | | 0.1 | 1.8 | 15.1 | (*) | 6.0 | (*) | (*) | (*) | |
| Leeds (near) | | | | 3.0 | T. | 13.0 | T. | | | 16.0 |
| Lehi | | | (*) | 33.2 | 32.5 | 11.0 | (*) | (*) | | |
| Lemay | | | 1.5 | (*) | 4.9 | 4.0 | T. | | | |
| Levan | | 0.5 | 7.3 | 30.7 | 13.4 | 21.0 | 7.0 | 2.5 | 4.5 | 86.9 |
| Lockerby | (*) | (*) | (*) | (*) | (*) | 18.5 | (*) | 3.6 | | |
| Logan | | | 6.5 | 30.5 | 12.5 | 33.5 | 21.0 | 13.0 | | 117.0 |
| Lone Tree | | | (*) | 4.0 | 8.6 | 4.5 | 4.8 | | | |
| Low | | | T. | (*) | (*) | (*) | (*) | (*) | (*) | |
| Lowder Ranger Station | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Lower American Fork | | | 2.7 | 41.8 | 19.5 | 12.8 | 12.5 | 2.0 | | 91.3 |
| Lower Mill Creek | | T. | 10.5 | 55.5 | 27.8 | 26.0 | 47.0 | 16.6 | (*) | |
| Lucin | | T. | 1.5 | 1.5 | 1.0 | 5.6 | 1.7 | 0.7 | | 12.0 |
| Mammoth Ranger Station | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Manila | | 4.0 | 4.5 | 3.0 | 10.0 | 10.5 | 4.0 | 15.0 | 1.0 | 52.0 |
| Manti | | | 4.3 | 4.0 | 11.5 | 9.7 | (*) | 3.3 | T. | |
| Manti Forest, No. 1 | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Manti Forest, No. 2 | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Manti Forest, No. 3 | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Marysvale | | | (*) | (*) | (*) | 1.5 | 2.5 | (*) | (*) | |
| Meadowville | | T. | 5.5 | 21.5 | 6.0 | 29.5 | 6.5 | 5.0 | 2.0 | 76.0 |
| Midlake | | | | 10.0 | 6.0 | (*) | 0.4 | T. | | |
| Midvale | | T. | 5.8 | 29.5 | 14.0 | 17.0 | 20.0 | 8.3 | | 94.6 |
| Milford | | | 2.9 | 7.5 | 13.0 | 5.0 | 5.0 | 1.0 | | 34.4 |
| Mills | | | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Millville | | T. | 11.0 | 36.0 | 11.0 | 34.0 | 16.0 | 15.0 | T. | 123.0 |
| Mineral Mine | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Minersville | | | 1.0 | 6.5 | 8.0 | 1.0 | 7.0 | | | 23.5 |
| Moab | | | T. | 5.0 | (*) | 2.0 | 3.0 | | | |
| Modena | | 0.2 | 0.3 | 10.1 | 10.6 | 9.5 | 6.0 | 5.0 | | 41.7 |
| Mohrland | (*) | (*) | T. | 22.3 | 2.0 | 14.0 | | 8.0 | T. | |
| Monticello | | 2.0 | 2.0 | 17.0 | 24.0 | 19.0 | 8.5 | 7.0 | 6.0 | 85.5 |
| Monticello Ranger Station | | | | 17.0 | 12.0 | 16.0 | (*) | 3.0 | (*) | |
| Morgan | | 1.0 | 4.7 | (*) | 7.0 | 21.5 | 9.0 | 2.5 | (*) | |
| Moroni | | 0.2 | 4.1 | 25.0 | 10.4 | 9.3 | 5.3 | 4.8 | 0.7 | 59.8 |
| Mosida | | | | 17.7 | 6.0 | 6.0 | 2.5 | | | 32.2 |
| Mountain Home | | T. | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Mount Ranch Ranger Station | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Myton | | | 1.5 | 2.0 | 10.4 | 3.0 | 0.7 | 0.2 | | 17.8 |
| Nada | | | 1.0 | 2.0 | 12.3 | 7.5 | 11.5 | 1.5 | | 35.8 |
| Nephi (near) | | | (*) | (*) | (*) | (*) | (*) | | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Utah*—Continued. | | | | | | | | | | |
| New Harmony | ..... | ..... | ..... | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Oak City | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 2.5 | ..... | ..... |
| Ogden | ..... | ..... | 3.0 | 24.4 | 10.0 | 25.0 | 9.5 | (*) | ..... | ..... |
| Orderville | ..... | ..... | ..... | 10.0 | (*) | 20.5 | (*) | (*) | ..... | ..... |
| Panguitch | (*) | (*) | (*) | (*) | 5.5 | 1.5 | 6.0 | 4.0 | ..... | ..... |
| Park City | T. | 4.0 | 11.0 | 54.0 | 12.0 | 32.0 | 26.0 | 24.0 | 8.0 | 171.0 |
| Park Valley | ..... | ..... | 6.0 | 19.8 | 10.3 | 15.2 | 3.5 | 5.5 | ..... | 60.3 |
| Parowan | ..... | T. | (*) | 11.0 | 17.0 | 3.0 | 11.8 | (*) | ..... | ..... |
| Pasadena Ranch | ..... | 0.1 | 2.0 | 8.5 | 21.2 | 14.0 | 16.0 | 7.5 | ..... | 69.3 |
| Payson | ..... | ..... | 5.0 | (*) | 14.5 | (*) | 15.0 | 4.0 | ..... | ..... |
| Pinecrest | (*) | 6.0 | 29.0 | 103.5 | 32.5 | 41.8 | 68.0 | (*) | (*) | ..... |
| Pine Valley | (*) | (*) | ..... | 16.0 | 15.0 | 12.8 | 12.0 | 6.0 | ..... | ..... |
| Pine View | (*) | ..... | 4.0 | 16.0 | (*) | (*) | 3.0 | (*) | (*) | ..... |
| Pinto | ..... | ..... | (*) | 6.4 | 8.0 | 4.1 | 23.1 | T. | ..... | ..... |
| Price | ..... | (*) | (*) | (*) | (*) | 7.7 | 0.3 | 1.5 | ..... | ..... |
| Provo | ..... | ..... | 1.0 | 43.0 | 19.0 | 13.0 | 15.1 | 3.0 | T. | 94.1 |
| Provo Bench | (*) | (*) | (*) | (*) | 25.0 | 15.0 | 19.0 | 7.1 | ..... | ..... |
| Randolph | ..... | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Revere | ..... | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Richfield | ..... | ..... | (*) | 7.2 | (*) | 0.5 | 1.0 | (*) | ..... | ..... |
| Richmond | ..... | 0.2 | 1.6 | 47.5 | 21.6 | 27.7 | 20.2 | (*) | T. | ..... |
| Riverdale | ..... | ..... | 2.0 | (*) | (*) | (*) | 14.0 | 5.0 | ..... | ..... |
| Rozel | ..... | ..... | 0.5 | 15.0 | 7.9 | 16.0 | 9.8 | 8.5 | ..... | 57.7 |
| St. George | ..... | ..... | ..... | 1.5 | 4.8 | 0.8 | 0.1 | ..... | ..... | 7.2 |
| St. John | (*) | (*) | (*) | 15.5 | 11.0 | 8.0 | 6.0 | (*) | ..... | ..... |
| Saltair | ..... | ..... | 5.7 | 18.6 | 15.7 | 14.7 | 15.7 | 2.2 | ..... | 72.6 |
| Salt Lake City | ..... | T. | 5.0 | 31.7 | 15.8 | 13.2 | 33.0 | 5.4 | ..... | 104.1 |
| Santaquin | ..... | T. | (*) | 31.4 | 22.5 | 12.5 | 17.5 | T. | ..... | ..... |
| Scipio | ..... | T. | 10.0 | 13.0 | 12.5 | 25.0 | 0.1 | 2.0 | (*) | ..... |
| Scofield | ..... | 4.5 | 11.7 | 28.0 | 1.5 | 19.0 | 14.5 | 19.0 | 7.0 | 105.2 |
| Silver City | ..... | ..... | (*) | 18.0 | (*) | (*) | (*) | (*) | ..... | ..... |
| Snake Creek | ..... | T. | 14.0 | 70.0 | 13.5 | 36.3 | 19.0 | 20.3 | 3.0 | 170.1 |
| Snowville | ..... | ..... | 4.0 | 20.0 | 18.0 | 20.0 | 11.0 | 6.0 | ..... | 79.0 |
| South Fork Ranger Station | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Spanish Fork | ..... | T. | 6.0 | 37.5 | 18.7 | (*) | 21.0 | 4.9 | T. | 88.1 |
| Springdale | ..... | ..... | ..... | 4.0 | (*) | (*) | (*) | ..... | (*) | ..... |
| Standrod | ..... | 1.3 | 5.0 | 22.6 | 11.5 | 19.7 | 16.8 | 14.6 | 1.9 | 93.4 |
| Sunnyside | ..... | T. | 2.0 | 18.0 | 8.0 | 17.0 | 6.0 | 1.0 | (*) | ..... |
| Teasdale | ..... | T. | 0.2 | 0.7 | 6.8 | 1.2 | 7.8 | 15.7 | 12.0 | 44.4 |
| Thistle | ..... | T. | 19.0 | 53.0 | 20.8 | 16.0 | 22.3 | 18.8 | 0.8 | 150.7 |
| Thompsons | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Tooele | ..... | T. | 9.0 | 33.0 | 23.5 | 14.5 | 23.0 | 13.5 | ..... | 116.5 |
| Tremonton | ..... | ..... | 2.8 | 24.8 | 9.8 | 28.0 | 16.8 | 9.0 | ..... | 91.2 |
| Tropic | (*) | (*) | (*) | (*) | (*) | 20.0 | (*) | (*) | (*) | ..... |
| Trout Creek Ranger Station | ..... | 22.5 | 11.2 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| University of Utah | ..... | ..... | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Utah Experiment Station | ..... | 5.5 | 32.5 | 40.0 | 38.0 | 32.5 | 21.0 | 51.0 | 21.0 | 241.5 |
| Utah Experiment Station, Alpine | T. | (*) | (*) | (*) | (*) | 16.0 | 19.0 | 54.0 | 29.0 | ..... |
| Vernal | ..... | ..... | 1.0 | (*) | (*) | (*) | 6.4 | (*) | ..... | ..... |
| Victor | ..... | ..... | T. | 1.0 | 5.0 | 5.0 | ..... | 10.0 | ..... | 21.0 |
| Warner Ranger Station | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Watson | ..... | T. | 4.0 | 6.4 | 13.2 | 3.5 | 12.1 | 3.4 | ..... | 42.6 |
| Wendover | ..... | ..... | ..... | 0.5 | 1.0 | 7.5 | ..... | (*) | ..... | ..... |
| Whiskey Creek | ..... | ..... | 3.0 | 17.0 | 9.0 | 7.0 | 4.0 | 1.0 | ..... | 41.0 |
| Wild Cat Ranger Station | (*) | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Winder | ..... | ..... | ..... | 13.0 | 9.0 | 26.0 | (*) | (*) | ..... | ..... |
| Woodruff | ..... | T. | 5.7 | 10.0 | 5.3 | 21.9 | 4.4 | 1.5 | ..... | 48.8 |
| *Vermont.* | | | | | | | | | | |
| Bloomfield | ..... | T. | 13.5 | 13.5 | 24.5 | 12.8 | 25.0 | 1.0 | 0.5 | 90.8 |
| Burlington | ..... | T. | 10.6 | 20.2 | 16.6 | 10.2 | 20.5 | 3.1 | 1.0 | 82.2 |
| Cavendish | ..... | ..... | 7.0 | 7.8 | 18.8 | 8.8 | 20.5 | 2.0 | 2.0 | 66.9 |
| Chelsea | ..... | ..... | 13.0 | 11.0 | 18.0 | 8.0 | 20.0 | (*) | 2.0 | ..... |
| Cornwall | ..... | ..... | 10.0 | 18.0 | 18.0 | 7.0 | 13.0 | (*) | (*) | ..... |
| Enosburg Falls | ..... | T. | 7.0 | 17.0 | 24.0 | 18.5 | 21.5 | 10.0 | T. | 98.0 |
| Hyde Park | ..... | T. | 12.5 | 28.0 | 25.0 | 18.5 | 32.0 | 1.0 | 1.0 | 118.0 |
| Northfield | ..... | ..... | 11.6 | 19.1 | 23.2 | 7.4 | 17.1 | 1.6 | 2.6 | 82.6 |
| Rutland | ..... | ..... | 5.5 | 14.0 | 12.6 | 5.0 | 9.6 | 0.5 | (*) | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Vermont*—Continued. | | | | | | | | | | |
| Somerset | | | 14.0 | 25.0 | 21.2 | 14.8 | 23.8 | 3.2 | (*) | |
| St. Johnsbury | | | 12.7 | 11.0 | 24.6 | 10.5 | 22.4 | 1.3 | 4.5 | 87.0 |
| Vernon | | | 2.0 | 8.5 | 16.0 | 8.0 | 10.0 | | (*) | |
| Wells | | | 5.0 | 14.0 | 10.0 | 6.5 | 6.5 | 1.0 | (*) | |
| Woodstock | | T. | 9.0 | 13.5 | 18.0 | 11.0 | 16.0 | T. | 3.0 | 70.5 |
| *Virginia.* | | | | | | | | | | |
| Arcola-Catharpin | | | | 9.8 | 3.1 | 3.8 | 6.6 | 2.0 | | 25.3 |
| Ashland | | | T. | 9.5 | 0.8 | 1.0 | T. | 0.5 | | 11.8 |
| Blacksburg | | | 0.5 | 5.6 | T. | 4.0 | 1.5 | T. | | 11.6 |
| Buchanan | | | T. | 4.0 | | 1.0 | | | | 5.0 |
| Burkes Garden | | | T. | 10.0 | 1.0 | 3.0 | 2.0 | 1.0 | T. | 17.0 |
| Callaville | | | | 4.0 | 2.0 | 3.5 | | | | 9.5 |
| Cape Henry | | | | 0.8 | T. | 1.4 | | | | 2.2 |
| Catawba Sanatorium | | | 0.5 | 6.0 | 1.2 | 4.0 | T. | 1.0 | | 12.7 |
| Charlottesville (near) | | | 0.2 | 9.5 | 2.0 | T. | 0.5 | 1.0 | | 13.2 |
| Clarksville | | | | 7.0 | T. | T. | | | | 7.0 |
| Columbia | | | T. | 9.0 | 4.5 | 2.0 | T. | | | 15.5 |
| Culpeper | | | | 8.0 | (*) | (*) | (*) | | | |
| Dale Enterprise | | | 1.0 | 11.0 | 4.0 | 6.0 | 7.0 | 3.0 | | 32.0 |
| Danville | | | T. | 5.0 | 2.0 | 1.0 | | | | 8.0 |
| Diamond Springs | | | | 0.2 | 0.5 | 0.5 | T. | T. | | 1.2 |
| Boswell (near) | | | | 16.5 | T. | | | | | 16.5 |
| Dry Bridge | | | | 9.5 | | | | | | 9.5 |
| Elk Knob | | | | 8.0 | 2.0 | 1.5 | 0.5 | | | 12.0 |
| Fredericksburg (near) | | | T. | 9.0 | 0.5 | 2.5 | 3.0 | 0.2 | | 15.2 |
| Gordonsville | | | 0.5 | 9.5 | 4.0 | 0.2 | 2.0 | 2.0 | | 18.2 |
| Hopewell | (*) | | T. | 7.6 | T. | T. | | | | |
| Hot Springs | | | T. | 10.6 | 3.9 | 7.2 | 0.4 | 5.7 | | 27.8 |
| Ivanhoe | (*) | (*) | | | | | T. | | | |
| Ivor | | | | 6.8 | 0.2 | 3.2 | | | | 10.2 |
| Lassiter | | | T. | 10.0 | 4.0 | | | | | 14.0 |
| Leeds Manor | | | 0.2 | 9.0 | 3.5 | 9.0 | 9.5 | 4.0 | | 35.2 |
| Lexington | | | | 8.8 | 8.0 | 0.8 | T. | 0.8 | | 18.4 |
| Lincoln | | | | 7.0 | 7.0 | (*) | 12.2 | 2.0 | | 28.2 |
| Lynchburg | | | 0.1 | 5.3 | 0.1 | 0.7 | 0.1 | 0.4 | | 6.7 |
| Mayhurst | | | | 11.5 | 2.0 | 0.8 | 1.0 | 4.5 | | 19.8 |
| Mendota | | | | 7.0 | 2.0 | 2.6 | T. | | | 11.6 |
| Mineral (near) | | | T. | 4.9 | | 0.1 | T. | | | 5.0 |
| Mount Moriah Farm | | | T. | 4.0 | T. | T. | T. | T. | | 4.0 |
| Mount Weather | | | T. | 7.0 | 4.0 | 11.0 | 12.0 | 4.0 | | 38.0 |
| Mouth of Wilson | | | | 6.7 | 1.4 | 2.0 | T. | T. | | 10.1 |
| Narrows | | | | 8.5 | | 3.0 | | | | 11.5 |
| New Canton | | | T. | 9.2 | 3.0 | 1.0 | T. | T. | | 13.2 |
| Newport News | | | T. | 3.5 | 0.5 | 1.5 | T. | T. | | 5.5 |
| Norfolk | | | | 0.8 | T. | 0.1 | T. | T. | | 0.9 |
| North Holston | | | | 5.0 | 1.7 | 1.0 | 1.0 | | | 8.7 |
| Quantico | | | | 5.5 | | T. | T. | T. | | 5.5 |
| Radford | | | 1.0 | 5.0 | 1.0 | 5.0 | 1.0 | 1.0 | | 14.0 |
| Randolph | | | | 7.8 | 1.0 | 1.0 | | | | 9.8 |
| Richmond | | | T. | 9.1 | T. | 0.8 | T. | T. | | 9.9 |
| Roanoke | | | T. | 7.8 | 1.0 | T. | T. | T. | | 8.8 |
| Rocky Mount | | | | 5.0 | | T. | | | | 5.0 |
| Runnymede | | | T. | 7.0 | 1.5 | 2.0 | T. | | | 10.5 |
| Speers Ferry | | | | 10.0 | 4.0 | 1.0 | | | | 15.0 |
| Staunton | | | 1.0 | 9.5 | 5.0 | 4.5 | 3.5 | 4.0 | | 27.5 |
| Wachapreague | | | | 4.0 | | | | | | 4.0 |
| Warsaw (near) | | | | 13.0 | T. | 3.0 | (*) | | | |
| Washington, D. C. | | | T. | 8.5 | 4.3 | 2.5 | 1.5 | 1.5 | | 18.3 |
| West Point | | | T. | 4.5 | 0.1 | T. | 0.8 | T. | | 5.4 |
| Williamsburg | | | T. | 6.0 | 1.0 | 3.5 | T. | T. | | 10.5 |
| Winchester | | | T. | 9.2 | 9.0 | 10.0 | 24.1 | 2.0 | T. | 54.3 |
| Woodstock | | | T. | 6.0 | 5.0 | 6.5 | 13.0 | T. | | 30.5 |
| Wytheville | | | 0.2 | 9.5 | 1.3 | 4.4 | T. | T. | | 15.4 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Washington.* | | | | | | | | | | |
| Aberdeen | | | | 5.0 | 12.0 | 16.0 | T. | | | 33.0 |
| Alder Creek | (*) | (*) | 12.0 | 16.0 | 4.0 | 14.8 | 10.0 | (*) | (*) | |
| Anacortes | | | | 1.5 | 9.0 | 7.2 | T. | | | 17.7 |
| Anatone | | T. | 8.0 | 23.0 | 59.0 | 17.0 | 36.0 | 24.0 | 0.1 | 167.1 |
| Attalia | | | T. | 4.3 | 0.2 | 4.5 | | | | 9.0 |
| Bellingham | | | | 7.0 | 10.2 | 7.5 | | | | 24.7 |
| Blewett | (*) | (*) | 19.0 | 27.0 | 17.0 | 16.0 | 24.0 | 11.0 | (*) | |
| Bremerton | | | | 3.5 | 3.8 | T. | | | | 7.3 |
| Brewster | | T. | 7.2 | 13.2 | 1.0 | (*) | (*) | T. | T. | |
| Buckley | | | | 2.8 | 8.7 | 11.2 | 0.6 | 0.5 | | 23.8 |
| Bumping Lake | | 8.0 | 36.0 | 52.5 | 29.0 | 28.0 | 57.0 | 15.0 | T. | 225.5 |
| Cascade Tunnel | (*) | (*) | 68.0 | 120.0 | 136.0 | 57.0 | 158.0 | 55.0 | (*) | |
| Cedar Lake | | | T. | 38.5 | 26.0 | 24.0 | 38.0 | 8.0 | | 134.5 |
| Centralia | | | | 1.5 | 7.3 | 10.7 | 0.2 | | | 19.7 |
| Clearbrook | | | | 12.0 | 8.0 | 9.0 | | | | 29.0 |
| Cle Elum | | | 9.0 | 28.0 | 22.0 | 21.0 | 45.0 | 4.0 | | 129.0 |
| Colfax | | | 1.5 | 13.0 | (*) | 12.5 | 4.5 | | | |
| Colville | | | 13.0 | 10.1 | 10.8 | 6.4 | 1.6 | 0.3 | | 42.2 |
| Conconully | | T. | 4.9 | 22.3 | 1.7 | 29.3 | 15.3 | 3.5 | | 77.0 |
| Congers Ranch | (*) | 2.0 | 10.0 | 30.0 | 5.0 | 43.8 | 34.8 | 16.5 | (*) | |
| Cougar | (*) | (*) | 2.0 | 30.0 | 18.0 | 32.0 | 45.0 | 9.0 | (*) | |
| Coupeville | | | | 2.5 | 4.0 | 3.0 | | T. | | 9.5 |
| Cowiche | | | T. | 14.5 | 2.0 | 8.0 | 4.0 | | | 28.5 |
| Darrington | | | | 23.2 | 15.0 | 8.5 | 12.5 | | | 59.2 |
| Davenport | | | 5.5 | 11.0 | 6.5 | 8.5 | 8.8 | 2.0 | | 42.3 |
| Davis Ranch | | | 4.7 | 39.6 | 45.0 | (*) | 48.5 | 0.1 | | |
| Dayton | | | T. | 11.4 | 3.6 | 9.8 | 3.5 | T. | | 28.3 |
| Deer Park | | T. | 14.5 | 16.0 | 18.0 | 26.5 | 22.5 | 3.5 | | 101.0 |
| Detroit | | | | 0.5 | 8.0 | 2.0 | T. | T. | | 10.5 |
| Dirtyface Mountain | | 1.0 | 40.0 | 42.5 | 45.0 | 33.0 | 94.0 | 8.0 | | 263.5 |
| Douglas Lake | | | | 1.7 | 14.8 | 13.4 | 1.0 | | | 30.9 |
| Dryden | | | 19.0 | 22.0 | 10.5 | 20.9 | 16.0 | | | 88.4 |
| Ellensburg | | | T. | 11.0 | 12.0 | 3.5 | 1.5 | | | 28.0 |
| Eureka | | | (*) | 15.5 | 3.0 | 11.0 | (*) | | | |
| Everett | | | | 3.0 | 15.0 | 5.0 | 2.0 | | | 25.0 |
| Fairfax | | | | 7.0 | 15.0 | 17.0 | 8.0 | 2.0 | | 49.0 |
| Forks | | | | 0.9 | 10.0 | 9.5 | T. | | | 20.4 |
| Fort Simcoe | | | 0.5 | (*) | 4.0 | 8.5 | 2.7 | | | |
| Glacier | | T. | | 21.7 | 24.2 | 31.0 | 42.0 | | | 118.9 |
| Glenoma | | | | 11.5 | (*) | (*) | (*) | | | |
| Goat Lake | | 11.0 | 18.0 | 102.0 | 74.0 | 34.0 | 127.0 | (*) | 3.0 | |
| Gold Creek | | | 20.0 | 19.0 | 22.0 | 10.9 | 12.5 | 11.0 | | 95.4 |
| Goldendale | | | (*) | 13.0 | (*) | 4.5 | (*) | | | |
| Gold Hill | (*) | (*) | 42.0 | 83.0 | 60.0 | 54.0 | 90.0 | 53.0 | (*) | |
| Granger (near) | | | | 8.1 | 3.0 | 15.0 | | | | 26.1 |
| Granite Falls | | (*) | | 2.0 | (*) | 9.9 | 2.5 | | | |
| Guler | (*) | (*) | 8.5 | 52.0 | 21.0 | 48.0 | 35.5 | | (*) | |
| Hanford | | | T. | 8.5 | 2.2 | 2.8 | | | | 13.5 |
| Harrington | | | T. | 15.0 | 6.0 | (*) | (*) | T. | | |
| Hatton | | | 0.5 | 8.0 | 4.0 | 5.0 | 2.5 | | | 20.0 |
| Headworks | (*) | (*) | (*) | (*) | (*) | (*) | 15.5 | 2.0 | | |
| Hunters | | | 9.1 | 9.0 | 5.8 | 9.5 | 12.0 | 2.0 | | 47.4 |
| Huntsville | | | T. | 14.0 | 2.0 | 7.0 | 2.0 | T. | | 25.0 |
| Irene Mountain | | T. | 3.5 | 10.7 | 5.0 | 15.0 | 3.0 | 2.5 | T. | 39.7 |
| Jay | | (*) | 8.5 | 23.2 | (*) | 20.0 | 14.6 | 9.0 | | |
| Kahlotus | | | 0.1 | 5.2 | 3.0 | 4.5 | T. | | | 12.8 |
| Kalama | (*) | (*) | (*) | (*) | (*) | (*) | 1.0 | | | |
| Kennewick | | | T. | 5.0 | (*) | 4.0 | T. | | | |
| Kent (near) | | | | T. | 4.3 | 6.7 | | (*) | | |
| Kettle Falls | | | 17.5 | 14.2 | 9.0 | 11.0 | 8.0 | 2.0 | | 61.7 |
| Keystone | | | 3.5 | 8.5 | 5.5 | 3.5 | 6.0 | T. | | 27.0 |
| Kiona | | | | 6.0 | 2.5 | 1.0 | | | | 9.5 |
| La Center | | | | 5.6 | 5.5 | 8.2 | 3.5 | T. | | 22.8 |
| La Crosse | | | 2.5 | 8.0 | 7.0 | 8.5 | 6.0 | T. | | 32.0 |
| Lake Clealum | | | 32.0 | 54.0 | 22.0 | 33.0 | 53.5 | (*) | | |
| Lake Cushman | | (*) | (*) | 37.4 | 31.1 | (*) | (*) | 13.5 | (*) | |
| Lake Kachess | | T. | 45.5 | 52.0 | 36.0 | 36.0 | 85.5 | 13.5 | T. | 268.5 |
| Lake Keechelus | | 2.0 | 52.0 | 73.0 | 54.0 | 46.0 | 123.0 | 16.0 | | 366.0 |
| Lakeside | | | 5.0 | 12.0 | 4.5 | 11.0 | 7.5 | | | 40.0 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Washington*—Continued. | | | | | | | | | | |
| Landsburg | | | | (*) | (*) | (*) | (*) | | | |
| Laurel | | | 4.9 | 38.5 | 12.5 | 27.2 | 15.4 | 4.3 | | 102.8 |
| Laurier | | | 16.9 | 21.5 | 24.7 | 17.1 | 11.2 | 5.0 | | 96.4 |
| Leavenworth | | | 16.5 | 18.3 | 22.5 | 14.5 | 20.5 | 2.0 | | 94.3 |
| Lind | (*) | (*) | (*) | (*) | (*) | 4.3 | (*) | (*) | | |
| Little Fish Ranger Station | (*) | (*) | (*) | (*) | (*) | 5.0 | (*) | 6.0 | (*) | |
| Lone Tree | | | | | 1.2 | 3.5 | | | | 4.7 |
| Longmires Springs | | 3.0 | 18.0 | 63.0 | 68.2 | 35.0 | 95.0 | 16.0 | 1.0 | 299.2 |
| Lost Creek | | | 5.0 | 12.8 | 4.0 | 16.5 | 2.0 | | | 40.3 |
| Lowden (near) | | | T. | 8.8 | 2.0 | 7.3 | T. | T. | | 18.1 |
| Marietta | | | (*) | 7.5 | 6.5 | 4.0 | T. | | | |
| Maryhill | | | | 3.4 | 1.0 | 6.0 | | | | 10.4 |
| McConihe | | | 2.8 | 6.1 | 3.0 | 4.2 | 1.5 | | | 17.6 |
| McCumbers Ranch | | | 5.5 | 37.0 | 9.0 | 19.0 | 10.0 | 1.0 | | 81.5 |
| Mill Creek Intake | | | (*) | 42.5 | 17.0 | 11.8 | 9.7 | T. | | |
| Mold | | | (*) | 8.3 | 5.5 | (*) | (*) | (*) | | |
| Mottinger | | | T. | 4.0 | 2.0 | 5.0 | T. | | | 11.0 |
| Moxee | | | 0.5 | 10.4 | 5.0 | 0.9 | T. | | | 16.8 |
| Neppel | | | 1.0 | 5.0 | 2.5 | 0.8 | | | | 9.3 |
| Nespelem | | | 6.0 | 18.5 | 4.7 | 12.0 | 5.0 | | | 46.2 |
| Newport | | T. | 20.7 | 16.0 | 18.0 | 25.0 | 21.5 | 3.0 | | 104.2 |
| North Head | | | | 2.4 | 0.8 | 6.8 | T. | | | 10.0 |
| North Yakima | | | 0.6 | 12.0 | 3.8 | 3.8 | T. | | | 20.2 |
| Oakville | | | | 2.7 | 11.0 | 6.6 | T. | T. | T. | 20.3 |
| Odessa | | | 4.0 | 8.5 | 5.2 | 5.8 | 4.5 | T. | | 28.0 |
| Olga | | | | 2.0 | 7.5 | 4.7 | | | | 14.2 |
| Olympia | | | | 2.0 | 6.9 | 5.9 | | T. | | 14.8 |
| Omak | | | 1.5 | 14.0 | 4.0 | 13.0 | | | | 32.5 |
| Oroville | | | 3.5 | 11.2 | 2.2 | 9.0 | 1.0 | | | 26.9 |
| Paradise Inn | (*) | (*) | (*) | 123.0 | 131.0 | 77.0 | 206.0 | 94.0 | 14.0 | |
| Peola | | 2.2 | 16.9 | 46.6 | 38.0 | 17.4 | 43.1 | 19.0 | 4.0 | 187.2 |
| Pomeroy | | | 0.2 | (*) | 4.0 | 4.5 | T. | | | |
| Port Angeles | | | | 2.0 | 15.4 | 18.9 | 0.4 | | | 36.7 |
| Port Crescent | | | | 3.2 | 10.7 | 8.2 | 0.7 | (*) | | |
| Port Townsend | | | | T. | 5.5 | 4.3 | | | | 9.8 |
| Poulsbo | | | | 2.0 | 4.7 | (*) | | | | |
| Prosser | | | T. | 7.0 | 3.0 | 5.0 | T. | T. | | 15.0 |
| Pullman | | | 6.0 | 13.0 | 18.0 | 10.0 | 11.0 | 5.0 | | 63.0 |
| Puyallup | | | | T. | 7.5 | 4.2 | T. | | | 11.7 |
| Queets River | | | | (*) | 9.3 | 17.2 | 6.4 | (*) | | |
| Quiniault | (*) | (*) | (*) | (*) | (*) | (*) | 11.5 | | | |
| Reardan | | | 11.0 | 16.8 | 10.0 | 16.5 | 10.5 | 2.0 | | 66.8 |
| Ritzville | | | 0.1 | 7.2 | 4.0 | 5.0 | 4.5 | T. | | 20.8 |
| Rockdale | (*) | (*) | 34.0 | 70.0 | 49.0 | 31.0 | 108.0 | 18.0 | (*) | |
| Rock Island | | | 2.0 | 12.7 | T. | 12.0 | T. | T. | | 26.7 |
| Rosalia | | | 2.4 | 11.9 | 5.3 | 10.0 | 6.2 | 4.5 | | 40.3 |
| Russells Ranch | | 1.0 | 16.0 | 30.0 | 27.0 | 14.0 | 43.0 | 18.0 | (*) | |
| Scenic | (*) | (*) | 21.5 | 65.0 | 79.0 | 40.0 | 172.0 | 4.5 | (*) | |
| Seattle | | | | 3.7 | 6.3 | 5.0 | 1.0 | | | 16.0 |
| Sedro Woolley | | | | 2.5 | 13.6 | 5.5 | | | | 21.6 |
| Sequim | | | | T. | 9.5 | 3.7 | T. | | | 13.2 |
| Silverton | | | T. | (*) | (*) | (*) | (*) | (*) | (*) | |
| Sixprong | | | | 6.0 | 2.5 | 3.0 | | | | 11.5 |
| Snohomish | | | | 3.2 | 8.0 | 7.5 | 4.5 | | | 23.2 |
| Snoqualmie Falls | | | | 5.7 | 7.5 | (*) | 1.8 | | | |
| Snoqualmie Pass | | 12.5 | 59.0 | 114.0 | 89.0 | 43.0 | 101.0 | 23.0 | 1.0 | 442.5 |
| Snyders Ranch | | T. | 21.0 | 16.0 | 10.0 | 16.0 | 19.0 | T. | | 82.0 |
| South Bend | | | | 3.0 | 6.8 | 13.0 | 1.0 | | | 23.8 |
| Spokane | | | 5.8 | 13.2 | 8.3 | 11.9 | 9.7 | 1.0 | T. | 49.9 |
| Spikeman Ranger Station | (*) | (*) | (*) | (*) | 3.0 | 24.0 | 19.0 | 4.0 | (*) | |
| Sprague (near) | | | (*) | (*) | (*) | (*) | (*) | | | |
| Stampede | (*) | (*) | 44.0 | 62.0 | 48.0 | 36.0 | 67.0 | 5.0 | (*) | |
| Starbuck | | | T. | 0.1 | T. | 2.0 | (*) | (*) | | |
| State University | | | | 2.0 | (*) | 4.5 | T. | | | |
| Stehekin (near) | | 2.0 | 20.0 | 23.0 | 24.0 | 20.0 | 53.0 | | | 142.0 |
| Stokes Ranch | | 0.5 | 21.4 | 14.8 | 9.3 | 22.0 | 25.5 | 4.0 | | 97.5 |
| Sullivan Lake | | 1.0 | 14.0 | 17.0 | 27.0 | 22.0 | 21.0 | 4.0 | T. | 106.0 |
| Sumner | | | | T. | 8.7 | 4.7 | 0.2 | | | 13.6 |
| Sunnyside | | | T. | 7.9 | 1.2 | 0.9 | | | | 10.0 |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Washington*—Continued. | | | | | | | | | | |
| Tacoma | | | | 1.5 | 11.0 | 12.0 | 2.0 | T. | | 26.5 |
| Tatoosh Island | | | | 1.2 | 13.8 | 5.3 | 0.8 | T. | | 21.1 |
| Tieton Canyon | | T. | 8.0 | 16.5 | 10.5 | 19.0 | 1.0 | T. | | 55.0 |
| Touchet Ridge | | T. | 15.0 | 70.0 | 37.0 | 17.0 | 37.0 | 12.0 | | 188.0 |
| Trinidad | | | 3.0 | 7.0 | 2.0 | 9.0 | 2.0 | | | 23.0 |
| Twentyfive Mile Creek | | | 14.0 | 23.0 | 12.0 | 20.0 | 14.0 | 12.0 | | 95.0 |
| Tye | (*) | (*) | 56.0 | 94.0 | 107.0 | 34.0 | 153.0 | 27.0 | (*) | |
| Upper Clealum Valley | (*) | 12.0 | 63.0 | 109.0 | 76.0 | 55.0 | 136.0 | 45.0 | (*) | |
| Vancouver | | | | 1.3 | 2.0 | 10.1 | | | | 13.4 |
| Vashon Island | | | | (*) | 8.5 | 1.5 | T. | T. | | |
| Wahluke | | | T. | 3.5 | 2.8 | T. | | | | 6.3 |
| Wallace | | T. | 6.4 | 27.0 | 2.0 | 27.0 | 16.0 | 5.7 | | 84.1 |
| Walla Walla | | | | 13.8 | 4.6 | 8.4 | T. | 0.3 | | 27.1 |
| Wapato | | | (*) | 10.8 | 3.8 | 1.5 | T. | | | |
| Washougal (near) | | | | 2.0 | 6.0 | 5.5 | 0.5 | | | 14.0 |
| Waterville | | | 6.0 | 14.5 | 4.5 | 11.5 | 12.0 | 16.0 | | 64.5 |
| Wenatchee | | | 8.7 | 10.0 | 3.3 | 14.0 | 1.4 | | | 37.4 |
| Wenatchee (near) | | | 11.2 | 10.2 | 4.0 | 5.5 | 6.0 | 4.0 | | 40.9 |
| White Bluffs | | | T. | (*) | 1.0 | | | | | |
| White Salmon | | | | 11.5 | 12.8 | 24.0 | 6.0 | | T. | 54.3 |
| Wilbur | | | 5.5 | 10.0 | 7.0 | 8.0 | 3.5 | 1.0 | | 35.0 |
| Willard | (*) | (*) | (*) | 33.0 | 17.0 | 25.0 | 23.0 | 3.0 | (*) | |
| Wind River | | | 3.0 | 39.5 | 17.3 | 61.1 | 44.7 | 8.0 | | 173.6 |
| Winthorp | | | 15.8 | 21.5 | 4.5 | 17.5 | 12.0 | 2.0 | | 73.3 |
| Yacolt | | | | 5.2 | 9.5 | 16.9 | 6.8 | | | 38.4 |
| Yale | | | | 17.5 | 22.5 | 24.0 | 10.5 | 1.5 | | 76.0 |
| *West Virginia.* | | | | | | | | | | |
| Bancroft | | | T. | 14.2 | 10.0 | 9.0 | 7.2 | | | 40.4 |
| Bayard | | T. | 3.2 | 17.0 | 7.4 | 28.5 | 22.5 | 12.0 | 0.2 | 90.8 |
| Beckley | | | | 11.0 | (*) | 6.0 | 4.0 | | | |
| Bens Run | | | 0.5 | 14.0 | 22.0 | 21.0 | 35.0 | 2.0 | | 94.5 |
| Bluefield | | | | 14.0 | 2.0 | 4.5 | (*) | (*) | | |
| Brandonville | | | (*) | 4.0 | 8.0 | (*) | 18.0 | (*) | | |
| Brandywine | | | | 8.0 | 3.3 | 9.0 | 11.0 | T. | | 31.3 |
| Buckhannon | | | T. | 14.0 | 8.0 | 14.0 | 8.0 | 2.0 | | 46.0 |
| Burlington | | | | 6.0 | 8.0 | 12.0 | 27.0 | 1.0 | | 54.0 |
| Cairo | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Camden-on-Gauley | | | T. | 17.0 | 3.0 | 3.0 | (*) | (*) | | |
| Central Station | (*) | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Charleston | | | T. | 16.0 | 9.2 | 3.6 | 6.0 | | | 34.8 |
| Cheat Bridge | | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Clay | | | T. | 26.0 | 8.0 | 2.0 | 4.0 | T. | | 40.0 |
| Cortland | | | (*) | 11.0 | 8.5 | 19.0 | 9.0 | 7.0 | | |
| Creston | | | T. | 10.0 | 9.0 | 10.5 | 8.0 | | | 37.5 |
| Cuba | | | T. | 6.0 | 5.4 | 9.0 | 2.5 | T. | | 22.9 |
| Dam 19 O. R. | (*) | (*) | (*) | 3.0 | 9.5 | 4.5 | 8.0 | T. | | |
| Dam 22 O. R. | (*) | (*) | (*) | 6.7 | 10.3 | 8.5 | 9.0 | | | |
| Dam 26 O. R. | | | T. | (*) | (*) | 10.0 | (*) | | | |
| Davis | | T. | 3.5 | 17.0 | 10.0 | 19.0 | 33.5 | 12.5 | 0.5 | 96.0 |
| Dunlow | | (*) | 0.5 | 11.5 | 4.0 | (*) | (*) | (*) | (*) | |
| Elizabeth | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Elkhorn | | | | 8.2 | (*) | 5.5 | 1.0 | 0.8 | | |
| Elkins | | T. | T. | 16.4 | 7.0 | 14.1 | 8.5 | 2.7 | T. | 48.7 |
| Evans | | | T. | 7.0 | 14.5 | 14.8 | 14.0 | T. | | 50.3 |
| Fairmont | | | T. | 9.0 | 8.5 | 9.0 | 14.0 | T. | | 40.5 |
| Glenville | | | T. | 11.5 | 8.0 | 13.0 | 6.0 | | | 38.5 |
| Grafton | (*) | (*) | (*) | (*) | 9.5 | 10.0 | 18.2 | (*) | T. | |
| Green Sulphur Springs | | | T. | 11.0 | 6.5 | 5.0 | (*) | (*) | | |
| Harpers Ferry | | | | 4.7 | 3.6 | 7.2 | 11.8 | 3.0 | | 30.3 |
| Hinton | | | T. | 10.7 | 1.0 | 3.5 | 1.0 | T. | | 16.2 |
| Holcomb | | | 1.0 | 22.0 | 8.0 | 9.0 | 7.0 | 6.0 | | 53.0 |
| Huntington | | | | 13.5 | 16.1 | 10.9 | 12.8 | T. | | 53.3 |
| Kayford | (*) | | T. | 16.5 | (*) | (*) | 5.5 | 1.0 | | |
| Lewisburg | | | | 9.0 | 3.5 | 2.0 | T. | T. | | 14.5 |
| Lost City | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Lost Creek | | | T. | 8.8 | 9.2 | 11.0 | 9.2 | 2.0 | | 40.2 |
| Madison | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *West Virginia*—Continued. | | | | | | | | | | |
| Mannington | | | 0.7 | 9.8 | 9.5 | 11.7 | 13.6 | 2.0 | | 47.3 |
| Marlington | | | T. | 14.5 | 8.5 | 6.0 | 2.5 | T. | | 31.5 |
| Martinsburg | | | | 4.5 | 8.5 | 6.9 | 22.0 | 3.3 | | 45.2 |
| Moorefield | | | | 8.0 | 7.0 | (*) | (*) | T. | | |
| Morgantown | | | T. | 10.2 | 8.8 | 16.0 | 14.8 | T. | | 49.8 |
| Moundsville | | | (*) | (*) | 6.5 | (*) | (*) | 1.1 | (*) | |
| New Cumberland | | | 2.7 | 6.3 | 10.8 | 6.2 | 8.0 | 1.0 | | 35.0 |
| New Martinsville | | | (*) | 4.0 | 4.0 | (*) | (*) | T. | | |
| Nuttallburg | | (*) | T. | (*) | (*) | (*) | (*) | 4.0 | | |
| Parkersburg | | | T. | 5.4 | 14.3 | 12.1 | 13.9 | 0.2 | | 45.9 |
| Parsons | | | 0.5 | 7.0 | 8.0 | 17.0 | 9.5 | 4.0 | | 46.0 |
| Philippi | | | (*) | 19.0 | 15.0 | 18.0 | 17.0 | 0.5 | | |
| Pickens | | | 4.0 | 28.0 | 16.0 | 24.0 | 22.0 | 17.0 | T. | 111.0 |
| Piedmont | | | T. | 8.1 | 1.8 | 11.0 | 23.5 | | | 44.4 |
| Point Pleasant | | | T. | 3.5 | 13.5 | 11.0 | 13.0 | | | 41.0 |
| Powellton | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Rainelle | (*) | | (*) | (*) | (*) | (*) | (*) | (*) | (*) | |
| Raleigh | (*) | | | 7.0 | 5.0 | (*) | 1.5 | 2.0 | | |
| Renick | | | | (*) | (*) | (*) | (*) | 0.2 | | |
| Robertsburg | | | | 10.0 | 11.0 | 8.5 | 5.0 | | | 34.5 |
| Romney | | | | 8.0 | 6.0 | 15.0 | 34.0 | | | 63.0 |
| Rowlesburg | | | | (*) | (*) | (*) | (*) | (*) | | |
| Ryan | | | T. | 9.3 | 11.9 | 15.0 | 9.0 | 0.1 | | 45.3 |
| St. Marys | | | T. | 7.5 | 6.9 | 7.0 | (*) | (*) | | |
| Sissonville | (*) | | T. | 8.0 | (*) | (*) | (*) | (*) | | |
| Smithfield | | | T. | 12.0 | 14.0 | 19.0 | 11.5 | 1.5 | | 58.0 |
| Spencer | | | T. | 13.0 | 8.0 | 5.0 | 8.5 | (*) | | |
| Sutton | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | | |
| Terra Alta | (*) | (*) | (*) | (*) | 11.0 | 23.5 | 16.5 | 8.0 | T. | |
| Union | | | | 7.0 | | 3.0 | T. | T. | | 10.0 |
| Upper Tract | | | | 10.5 | (*) | 6.5 | (*) | | | |
| Wellsburg | | | T. | 4.1 | 7.1 | 6.0 | 16.2 | 1.0 | | 34.4 |
| Weston | (*) | | T. | 7.0 | 10.0 | 6.0 | (*) | | | |
| Wheeling | | | 0.5 | 6.5 | 8.5 | 3.6 | 14.7 | 1.0 | | 34.8 |
| White Sulphur Springs | | | T. | 11.0 | 2.0 | 2.0 | T. | T. | | 15.0 |
| Williamson | | | | 12.0 | 3.0 | 4.0 | 2.7 | | | 21.7 |
| *Wisconsin.* | | | | | | | | | | |
| Antigo | | | 8.0 | 5.4 | 20.0 | 12.0 | 18.5 | 5.0 | 0.5 | 69.4 |
| Appleton | T. | 0.8 | 10.5 | 10.2 | 23.5 | 6.8 | 4.8 | 5.5 | | 62.1 |
| Ashland | | 0.5 | T. | 7.5 | 3.5 | 4.0 | 23.5 | 6.0 | 1.0 | 46.0 |
| Baraboo | | T. | 6.0 | 12.0 | 21.0 | 8.0 | (*) | T. | T. | |
| Barron | T. | T. | 0.3 | 6.0 | 20.5 | 13.3 | 28.5 | 7.0 | | 75.6 |
| Beloit | | | 0.8 | 2.2 | 7.0 | 1.2 | 0.8 | T. | | 12.0 |
| Big St. Germain Dam | | 2.2 | 9.4 | 3.8 | 11.3 | 9.6 | 19.0 | 9.0 | 2.8 | 67.1 |
| Brodhead | | | 1.0 | 7.0 | 8.0 | 1.0 | T. | T. | T. | 17.0 |
| Burnett | | 3.5 | 5.8 | 8.1 | 14.4 | 5.7 | 3.6 | 2.8 | | 43.9 |
| Cecil | T. | 2.0 | 12.0 | 10.0 | 25.0 | 11.0 | 16.0 | 8.0 | | 84.0 |
| Cornucopia | T. | 1.5 | 1.9 | 17.4 | 7.6 | 7.3 | 32.3 | 8.1 | T. | 76.1 |
| Crandon | T. | (*) | 4.0 | 3.5 | 14.0 | 9.5 | 15.2 | 9.0 | 1.5 | |
| Darlington | | | 1.8 | 6.5 | 11.5 | 3.0 | 1.0 | | 2.0 | 25.8 |
| Deerskin Dam | | 2.0 | 4.6 | 4.5 | 12.2 | 4.5 | 10.8 | 3.2 | T. | 41.8 |
| Delavan | | T. | 0.5 | 5.8 | 7.0 | 4.0 | 3.0 | 0.5 | T. | 20.8 |
| Dodgeville | | | 2.0 | 8.9 | 16.5 | 10.0 | 8.6 | | 3.0 | 49.0 |
| Downing | | T. | T. | 8.0 | 42.0 | 10.0 | 16.0 | 4.0 | | 80.0 |
| Eau Claire | T. | T. | 2.1 | 9.0 | 22.2 | 9.4 | 23.6 | 0.4 | | 66.7 |
| Florence | | 1.0 | 3.0 | (*) | 14.0 | 6.8 | 22.5 | 10.5 | | |
| Fond du Lac | | 2.0 | 9.0 | 9.2 | 17.5 | 14.5 | 2.0 | 2.0 | T. | 56.2 |
| Glen Flora | (*) | (*) | (*) | (*) | 15.0 | 9.5 | (*) | 6.0 | (*) | |
| Grand Rapids | T. | T. | 9.4 | 8.4 | 22.7 | 17.3 | 17.5 | 2.2 | | 77.5 |
| Grand River Locks | T. | T. | 12.5 | 9.0 | 21.0 | 14.0 | 5.0 | 1.5 | | 63.0 |
| Grantsburg | | 1.0 | 0.2 | 2.8 | 13.5 | 7.0 | 28.5 | | | 53.0 |
| Green Bay | | 0.3 | 11.2 | 8.5 | 23.0 | 6.8 | 4.5 | 2.5 | | 56.8 |
| Hancock | T. | | 6.0 | 16.0 | 19.0 | 8.0 | (*) | T. | T. | |
| Hatfield | | | 3.0 | 6.8 | 18.5 | 6.3 | 6.1 | T. | | 40.7 |
| Hayward | | 0.1 | 3.2 | 2.3 | 9.0 | 12.8 | 30.8 | 3.0 | 1.1 | 62.3 |
| High Falls | | T. | 11.0 | 7.8 | 24.2 | 8.5 | 18.2 | 6.5 | | 76.2 |
| Hillsboro | T. | | 7.0 | 10.0 | 15.0 | 4.5 | 7.0 | T. | T. | 43.5 |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Wisconsin*—Continued. | | | | | | | | | | |
| Iron River | ..... | 0.5 | 0.2 | 9.6 | 8.0 | 11.1 | 41.0 | 10.2 | ..... | 80.6 |
| Kewaunee | ..... | ..... | 18.0 | 9.0 | 26.0 | 22.0 | 3.0 | 2.8 | T. | 80.8 |
| Koepenick | T. | 2.0 | 6.0 | 12.0 | 21.5 | 17.0 | 19.0 | 9.0 | ..... | 86.5 |
| La Crosse | ..... | ..... | 6.6 | 16.1 | 22.5 | 8.1 | 9.3 | ..... | ..... | 62.6 |
| Lake Mills | ..... | T. | 2.0 | 6.3 | 10.5 | 4.8 | 3.5 | T. | T. | 27.1 |
| Lancaster | ..... | (*) | (*) | (*) | 13.5 | 2.5 | (*) | (*) | (*) | ..... |
| Long Lake | T. | T. | 3.5 | 3.8 | 12.8 | 7.8 | 17.4 | 3.0 | T. | 48.3 |
| Madison | ..... | T. | 3.0 | 10.1 | 11.5 | 6.6 | 7.2 | 1.4 | T. | 39.8 |
| Manitowoc | ..... | ..... | 20.5 | 14.2 | 24.0 | 8.0 | 3.0 | 4.0 | T. | 73.7 |
| Marshfield | ..... | T. | 6.2 | 7.5 | 29.8 | 5.5 | 9.0 | 5.5 | ..... | 63.5 |
| Mather | ..... | T. | 15.0 | 12.0 | 21.5 | 9.5 | 16.0 | T. | ..... | 74.0 |
| Mauston | T. | T. | 17.5 | 7.0 | 22.1 | (*) | (*) | T. | ..... | ..... |
| Meadow Valley | ..... | ..... | 10.0 | 13.0 | 23.0 | 9.0 | 10.0 | 3.0 | ..... | 68.0 |
| Medford | 1.0 | T. | 5.0 | 5.0 | 16.0 | 7.0 | 20.0 | 8.0 | 1.0 | 63.0 |
| Menasha | ..... | T. | 8.0 | 6.5 | 21.0 | 9.5 | 1.8 | 3.8 | ..... | 50.6 |
| Merrill | ..... | T. | 5.7 | 5.2 | 11.3 | 11.9 | 19.1 | 8.6 | T. | 61.8 |
| Milwaukee | ..... | T. | 0.7 | 7.9 | 14.5 | 4.9 | 4.7 | T. | T. | 32.7 |
| Minocqua | ..... | T. | 2.5 | 2.0 | 10.5 | 11.5 | 23.5 | 9.0 | 1.0 | 60.0 |
| Mondovi | ..... | ..... | 2.2 | 6.0 | 27.0 | 7.0 | 21.0 | T. | ..... | 63.2 |
| Mount Horeb | ..... | ..... | 5.0 | 1.3 | 14.0 | 3.0 | 8.6 | 2.0 | T. | 33.9 |
| Muscoda | ..... | ..... | 2.0 | 3.0 | 6.0 | 4.0 | 6.0 | ..... | ..... | 21.0 |
| Neillsville | T. | T. | 5.0 | 10.0 | 27.6 | 11.6 | 11.4 | 2.5 | T. | 68.1 |
| New London | ..... | T. | 18.0 | 8.0 | 35.0 | 8.0 | 13.0 | 6.0 | ..... | 88.0 |
| New Richmond | ..... | 0.2 | T. | 13.0 | 28.0 | 18.0 | 21.0 | T. | T. | 80.2 |
| Oconto | ..... | T. | 8.0 | 12.0 | 29.0 | 16.0 | 3.0 | 7.0 | ..... | 75.0 |
| Osceola | T. | 2.0 | T. | 2.5 | 20.5 | 16.6 | 30.5 | T. | ..... | 72.1 |
| Oshkosh | ..... | T. | 10.0 | 7.0 | 48.0 | 7.0 | (*) | T. | ..... | ..... |
| Park Falls | T. | 2.5 | 4.5 | 4.0 | 10.0 | 6.8 | 24.8 | 8.5 | 2.0 | 63.1 |
| Pine River | ..... | 0.1 | 8.1 | 11.0 | 19.5 | 9.9 | 13.0 | 8.1 | ..... | 69.7 |
| Plum Island | ..... | ..... | 3.0 | 8.0 | 23.0 | 12.0 | 2.0 | T. | ..... | 48.0 |
| Plymouth | ..... | T. | 14.0 | 11.5 | 19.0 | 7.4 | 3.5 | 1.5 | T. | 76.9 |
| Portage | ..... | T. | 6.0 | 10.9 | 15.3 | 8.8 | 6.0 | 1.0 | T. | 48.0 |
| Port Edwards | ..... | T. | 7.6 | 5.8 | 24.4 | 10.5 | 10.5 | (*) | ..... | ..... |
| Port Washington | ..... | ..... | 2.0 | 15.0 | 16.0 | 11.0 | 4.0 | T. | ..... | 48.0 |
| Prairie du Chien | ..... | ..... | 2.5 | 7.5 | 11.0 | 4.5 | 10.0 | ..... | ..... | 35.5 |
| Prairie du Sac | ..... | T. | 1.5 | 7.8 | 6.2 | 4.5 | 1.5 | T. | ..... | 21.5 |
| Prentice | T. | 1.0 | 4.2 | 2.2 | 14.2 | 12.5 | 24.5 | 8.2 | 0.8 | 67.6 |
| Racine | ..... | T. | T. | 5.0 | 4.0 | 0.5 | 3.0 | T. | ..... | 12.5 |
| Reedsburg | T. | T. | 5.4 | 7.0 | 16.8 | 2.5 | 4.0 | T. | T. | 35.7 |
| Rest Lake | ..... | ..... | 7.0 | 8.0 | 6.0 | 13.0 | 22.0 | 7.0 | 1.0 | 64.0 |
| Rhinelander | T. | T. | 5.5 | 5.0 | 12.0 | 13.0 | 17.5 | 9.0 | 1.0 | 63.0 |
| Ripon | ..... | T. | 12.5 | 6.6 | 13.6 | 7.9 | 3.5 | ..... | ..... | 44.1 |
| Sheboygan | ..... | T. | 8.2 | 12.4 | 12.6 | 7.8 | 2.2 | ..... | T. | 43.2 |
| Shullsburg | ..... | ..... | 1.0 | 6.0 | 11.4 | 1.4 | 0.8 | 2.0 | 1.0 | 23.6 |
| Solon Springs | ..... | 1.0 | T. | 4.0 | 12.5 | 14.0 | 42.0 | 6.0 | ..... | 79.5 |
| Spooner | ..... | T. | 2.0 | 5.5 | 12.5 | 8.5 | 29.0 | T. | ..... | 57.5 |
| Stanley | 2.0 | 0.5 | 4.0 | 8.0 | 21.0 | 7.5 | 23.5 | 8.2 | ..... | 74.7 |
| Stevens Point | T. | T. | 12.0 | 2.5 | 32.0 | 4.0 | 17.0 | 6.0 | T. | 73.5 |
| Sturgeon Bay | ..... | T. | 19.0 | 10.0 | 31.6 | 8.5 | 2.0 | 5.0 | T. | 76.1 |
| Sugar Camp Dam | ..... | T. | 3.0 | 4.0 | 12.0 | 9.2 | 21.2 | 9.0 | 1.5 | 59.9 |
| Superior | ..... | T. | T. | 3.5 | 2.7 | 5.2 | 25.9 | 4.0 | ..... | 41.3 |
| Tomahawk | ..... | T. | 6.0 | 5.5 | 6.0 | 5.0 | 19.2 | 8.0 | T. | 49.7 |
| Twin Lakes Dam | ..... | 3.2 | 3.5 | 4.1 | 8.8 | 7.0 | 15.2 | 18.8 | 2.5 | 63.1 |
| Viroqua | ..... | T. | 4.5 | 5.7 | 16.2 | 4.5 | 10.8 | T. | T. | 41.7 |
| Vudesare | ..... | 3.0 | 11.5 | 4.0 | 13.0 | 28.0 | 39.0 | 8.0 | (*) | ..... |
| Watertown | ..... | 0.9 | 3.9 | 15.2 | 16.4 | 8.1 | 7.6 | T. | T. | 52.1 |
| Waukesha | ..... | ..... | 1.0 | 15.2 | 13.0 | 5.7 | 6.0 | T. | T. | 40.9 |
| Waupaca | ..... | T. | 11.8 | 10.5 | 38.2 | 12.0 | 24.5 | 12.0 | T. | 109.0 |
| Wausau | T. | T. | 8.5 | 8.9 | 26.5 | 14.1 | 17.4 | 9.1 | 0.6 | 85.1 |
| Weyerhaeuser | T. | T. | 2.0 | 6.9 | 20.0 | 8.2 | 27.1 | 10.5 | T. | 74.7 |
| Whitehall | ..... | ..... | 6.0 | 12.0 | 21.0 | 10.0 | 13.0 | ..... | ..... | 62.0 |
| Winter | T. | T. | 6.0 | 3.3 | 8.8 | 14.0 | 13.4 | 4.0 | ..... | 49.5 |
| *Wyoming.* | | | | | | | | | | |
| Afton | ..... | (*) | 6.5 | ..... | ..... | 9.5 | 26.0 | 15.0 | 2.0 | ..... |
| Alta | 3.1 | 9.0 | 6.8 | 31.0 | 20.9 | 19.7 | 19.4 | 9.9 | T. | 119.8 |
| Arapahoe | T. | 10.0 | 4.2 | 10.2 | 1.5 | 5.5 | 7.0 | 15.2 | 6.0 | 59.6 |
| Archer | (*) | (*) | (*) | (*) | (*) | (*) | (*) | 9.0 | 4.0 | ..... |

*Monthly and seasonal snowfall, 1916–1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Wyoming*—Continued. | | | | | | | | | | |
| Arlington | T. | 21.0 | 19.5 | 41.5 | 20.8 | 22.0 | 21.0 | (*) | 20.7 | ..... |
| Basin | (*) | (*) | (*) | (*) | 0.5 | 0.8 | (*) | (*) | (*) | ..... |
| Bedford | ..... | 3.0 | 11.5 | 38.0 | 19.8 | 11.0 | 20.0 | 10.5 | 5.0 | 118.8 |
| Big Creek | 0.5 | 7.0 | 22.0 | 33.5 | 14.0 | 27.0 | 20.5 | 10.5 | 21.0 | 156.0 |
| Border | ..... | (*) | (*) | (*) | 27.0 | (*) | (*) | (*) | T. | ..... |
| Boyd | 2.5 | 7.5 | 11.5 | 28.6 | 22.0 | 17.3 | 16.0 | 23.4 | 3.5 | 132.3 |
| Buffalo | (*) | (*) | 9.0 | 11.0 | 10.0 | 5.0 | 11.0 | 11.0 | (*) | ..... |
| Burns | ..... | (*) | (*) | (*) | 5.0 | 1.5 | (*) | (*) | (*) | ..... |
| Casper | ..... | 13.5 | 8.0 | 12.8 | 6.0 | 11.2 | 22.5 | 4.0 | (*) | ..... |
| Centennial | T. | 12.1 | 15.3 | 45.7 | 17.0 | 26.1 | 25.8 | 30.7 | 14.5 | 187.2 |
| Cheyenne | T. | 9.6 | 12.1 | 5.2 | 4.1 | 12.6 | 12.7 | 15.4 | 3.9 | 75.6 |
| Chugwater | ..... | 10.0 | 13.5 | 7.0 | 6.0 | 12.0 | 8.2 | 14.0 | (*) | ..... |
| Clark | ..... | 3.0 | 7.7 | 4.5 | 6.8 | 6.5 | 20.7 | 3.5 | 4.0 | 56.7 |
| Cody | ..... | 16.0 | 4.0 | 5.2 | 9.0 | 5.2 | 5.0 | 19.0 | 10.0 | 73.4 |
| Cokeville | ..... | 4.0 | 4.0 | 26.0 | 14.2 | 18.0 | 14.2 | 8.5 | 3.0 | 91.9 |
| Colony | ..... | 2.0 | 4.0 | 12.0 | 7.9 | 4.0 | 23.0 | 13.0 | 3.0 | 68.9 |
| Crandall Creek | (*) | 26.0 | (*) | (*) | 7.5 | 14.2 | (*) | (*) | (*) | ..... |
| Crowhill | T. | 13.5 | 18.5 | 18.2 | 10.5 | 9.8 | 24.8 | 18.8 | 11.5 | 125.6 |
| Deaver | ..... | 2.0 | 1.0 | 8.0 | 1.0 | 1.5 | 5.0 | 1.5 | 1.0 | 21.0 |
| Dome Lake | 5.0 | 33.9 | 19.0 | 26.5 | 14.0 | 18.8 | 25.2 | 53.0 | 47.0 | 242.4 |
| Douglas | ..... | 4.5 | 4.5 | 5.2 | 1.7 | (*) | 15.5 | 16.8 | T. | ..... |
| Dubois | T. | 2.0 | 6.0 | 6.8 | 2.9 | 10.0 | 5.5 | 14.0 | 5.0 | 52.2 |
| Dutch Joe | (*) | (*) | (*) | 26.0 | 23.0 | 22.0 | 9.0 | (*) | (*) | ..... |
| Dwyer | ..... | 17.0 | 6.5 | 12.0 | 5.5 | 13.5 | 22.0 | 44.0 | 7.0 | 127.5 |
| Eaton's Ranch | ..... | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... | ..... |
| Echeta | ..... | 7.0 | 9.0 | 14.5 | 9.0 | 1.0 | 19.0 | 13.5 | (*) | ..... |
| Eden | (*) | 0.5 | ..... | 4.0 | T. | 5.0 | ..... | 7.0 | (*) | ..... |
| Elk Mountain | ..... | 16.0 | 13.0 | (*) | (*) | 16.2 | (*) | 18.1 | 14.2 | ..... |
| Encampment | ..... | 4.0 | 9.5 | 12.6 | 21.3 | 30.2 | 13.8 | 8.9 | 19.9 | 120.2 |
| Ervay | 2.0 | 13.0 | 16.0 | 8.0 | 5.0 | 9.5 | 22.0 | 30.0 | (*) | ..... |
| Evanston | ..... | 2.0 | 3.0 | 9.5 | 9.0 | 20.0 | 3.0 | 2.0 | 1.0 | 49.5 |
| Fort Laramie | ..... | (*) | 2.5 | (*) | 5.9 | 2.5 | 15.5 | (*) | T. | ..... |
| Foxpark | 4.0 | (*) | 33.0 | 14.5 | 11.0 | (*) | 7.5 | (*) | (*) | ..... |
| Germania | ..... | 1.5 | 4.2 | 8.5 | 1.7 | 3.5 | 1.2 | 5.5 | 0.5 | 26.6 |
| Gillette | T. | 3.0 | 4.2 | 9.5 | 14.0 | (*) | 19.0 | T. | (*) | ..... |
| Green River | ..... | (*) | 0.6 | (*) | 1.5 | (*) | 1.1 | 11.4 | (*) | ..... |
| Hecla | 0.5 | 5.5 | 8.5 | 8.5 | 2.8 | 18.5 | 6.0 | 16.2 | 10.5 | 77.0 |
| Hunter's Station | ..... | 21.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Hyattville | ..... | 11.0 | 3.0 | 11.0 | ..... | 2.0 | 8.0 | (*) | 2.0 | ..... |
| Jackson | T. | 0.8 | 11.0 | (*) | 7.1 | 38.8 | 35.9 | 8.3 | 0.9 | ..... |
| Jireh | (*) | (*) | (*) | 5.0 | 7.5 | 1.0 | 20.5 | 8.0 | 5.5 | ..... |
| Kendall | (*) | (*) | 12.3 | 18.5 | 15.2 | (*) | 18.0 | (*) | 7.0 | ..... |
| Kinnear | T. | 4.0 | 8.4 | 8.8 | 0.5 | 8.1 | 7.4 | 13.0 | 3.0 | 53.2 |
| Kirtley | 1.0 | 14.0 | 8.0 | 5.0 | 7.0 | ..... | 17.5 | 32.0 | 7.0 | 91.5 |
| Kirwin | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Knowles | T. | 9.2 | 9.1 | 22.4 | 10.9 | 10.8 | 22.7 | 25.3 | 6.7 | 117.1 |
| Lagrange | ..... | 11.0 | 7.5 | 5.0 | 8.2 | 1.8 | 6.5 | 8.5 | ..... | 48.5 |
| Lander | T. | 17.4 | 8.4 | 14.6 | 8.0 | 9.1 | 11.6 | 20.0 | 12.8 | 101.9 |
| Laramie | 0.2 | 5.3 | 6.4 | 6.2 | 3.2 | 12.0 | 9.5 | 9.3 | 12.0 | 64.1 |
| Lovell | ..... | T. | 3.5 | 12.0 | 4.0 | 2.0 | 5.0 | 1.0 | 1.5 | 29.0 |
| Lusk | ..... | 4.5 | 10.0 | 1.0 | 4.0 | ..... | 13.0 | 22.5 | ..... | 55.0 |
| Middle Fork | (*) | (*) | (*) | 17.0 | 10.0 | 21.9 | 20.0 | 71.0 | 43.0 | ..... |
| Moorcroft (near) | ..... | 6.0 | 6.5 | 7.5 | 11.0 | 8.5 | 17.5 | 10.0 | 4.5 | 71.5 |
| Moore | 0.6 | 21.9 | 17.8 | 14.0 | 19.8 | 14.8 | 11.7 | 32.2 | 10.0 | 142.8 |
| Moran | ..... | (*) | 8.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Opal | (*) | 9.0 | (*) | 19.0 | (*) | (*) | 7.0 | ..... | (*) | ..... |
| Painter | 0.2 | 14.0 | 4.0 | 7.0 | 7.0 | 8.0 | 4.0 | (*) | 13.0 | ..... |
| Pathfinder | T. | 5.3 | 4.5 | 5.5 | 4.2 | 5.8 | 5.0 | 15.0 | T. | 45.3 |
| Pinebluff | (*) | (*) | 11.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Pinedale | 0.1 | 12.3 | 2.0 | 18.5 | 7.2 | 12.5 | 4.2 | 6.6 | 1.8 | 65.2 |
| Powell | ..... | (*) | 4.0 | 5.8 | 3.3 | T. | 5.0 | 10.8 | T. | ..... |
| Rawlins | T. | 14.0 | 3.0 | 10.0 | 12.0 | 16.5 | 15.5 | 13.0 | T. | 84.0 |
| Rock River | T. | 12.5 | 12.5 | 18.5 | 11.3 | 15.0 | 5.5 | 23.7 | 3.0 | 102.0 |
| Rockypoint | ..... | 5.0 | 8.0 | 10.0 | 8.5 | 12.0 | 16.0 | 8.0 | 3.0 | 67.8 |
| Sand Lake | 1.5 | 23.8 | 40.5 | (*) | (*) | (*) | 78.5 | 46.8 | (*) | ..... |
| Saratoga (near) | ..... | (*) | 9.8 | 17.0 | 13.0 | 14.0 | 14.5 | 4.0 | 27.0 | ..... |
| Seven-mile Creek | 2.0 | 31.0 | 21.2 | (*) | (*) | (*) | (*) | 4.0 | 45.0 | ..... |
| Sheridan | T. | 13.2 | 8.8 | 15.7 | 11.7 | 5.1 | 14.9 | 55.5 | 0.4 | 75.3 |
| Sheridan Creek | ..... | 6.0 | 9.5 | 22.0 | 15.5 | 38.0 | 30.9 | 22.5 | 12.0 | 156.4 |
| Sherman | 4.0 | 5.0 | 13.0 | 5.5 | 1.8 | 20.0 | 23.0 | (*) | 29.0 | ..... |

*Monthly and seasonal snowfall, 1916-1917*—Continued.

| Stations. | 1916 | | | | 1917 | | | | | Seasonal. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May. | |
| *Wyoming*—Continued. | | | | | | | | | | |
| Shoshone Dam | T. | 10.4 | 8.1 | 4.2 | 2.4 | 2.2 | 3.4 | 3.7 | 10.0 | **44.4** |
| South Pass City | ..... | 7.2 | 5.0 | 24.3 | 11.3 | 19.0 | 11.8 | 23.9 | 7.5 | **110.0** |
| Sundance | 6.0 | 10.0 | 12.5 | 53.5 | 22.0 | 6.5 | 22.0 | 19.2 | 17.0 | **168.7** |
| Superior | ..... | 3.5 | T. | 8.0 | 1.2 | 5.5 | 2.0 | 3.9 | 4.5 | **28.6** |
| Thermopolis | ..... | 13.5 | 10.0 | 7.0 | 1.8 | 4.5 | 15.5 | 8.5 | 13.0 | **73.8** |
| Timber Creek | (*) | (*) | (*) | (*) | (*) | 10.5 | 13.5 | 49.0 | 32.0 | ..... |
| Upton | (*) | (*) | (*) | 9.0 | 7.5 | 5.0 | 14.0 | 8.1 | T. | ..... |
| Valley | ..... | 19.0 | 11.0 | 12.0 | 6.0 | 18.0 | 10.0 | 20.0 | 33.0 | **129.0** |
| Van Tassel | ..... | 5.0 | 6.7 | 7.2 | (*) | (*) | (*) | (*) | (*) | ..... |
| Verona | ..... | 9.2 | 11.0 | 21.0 | 16.0 | 4.0 | 17.0 | 9.0 | 2.0 | **89.2** |
| Wheatland | (*) | 14.0 | 6.0 | 3.5 | 4.5 | 1.5 | 8.0 | (*) | (*) | ..... |
| Willow Springs | (*) | (*) | (*) | (*) | 18.0 | 13.0 | 18.0 | 16.5 | 7.0 | ..... |
| Worland | ..... | (*) | 1.0 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Wyncote | ..... | 9.5 | 6.5 | 5.5 | 5.5 | 3.0 | 15.5 | 12.0 | T. | **57.5** |
| Yellowstone Park [1] | 1.1 | 21.8 | 9.4 | 33.9 | 7.3 | 15.6 | 21.9 | 22.7 | 8.0 | **141.7** |
| Bechler River [1] | (*) | (*) | 40.0 | 42.5 | 26.5 | 25.0 | 38.5 | 16.0 | 6.5 | ..... |
| Fountain [1] | 2.0 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Gallatin [1] | 8.0 | (*) | 12.0 | 40.5 | 22.0 | 26.0 | 25.0 | 25.0 | 8.0 | ..... |
| Grand Canyon [1] | 1.5 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Norris [1] | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Riverside [1] | T. | 8.0 | 14.0 | 31.0 | 11.0 | 28.0 | 26.0 | 19.0 | 9.0 | **146.0** |
| Snake River [1] | (*) | (*) | 25.5 | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Soda Butte [1] | T. | 16.5 | (*) | 37.0 | 17.5 | 12.0 | 17.0 | 10.5 | 2.6 | ..... |
| Thumb [1] | 1.5 | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Tower Falls [1] | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| Upper Geyser Basin [1] | T. | (*) | (*) | (*) | (*) | (*) | (*) | (*) | (*) | ..... |
| *Canadian Stations.* | | | | | | | | | | |
| St. Johns, Newfoundland | ..... | ..... | 11.0 | 6.0 | 11.0 | 61.0 | 14.4 | 3.0 | ..... | **106.4** |
| Sydney, Cape Breton Island | ..... | ..... | 13.5 | 12.0 | 22.5 | 7.0 | 13.0 | 1.0 | 1.5 | **70.5** |
| Halifax, Nova Scotia | ..... | ..... | 1.5 | 5.5 | 12.6 | 9.6 | 7.3 | 4.7 | 2.2 | **43.4** |
| Yarmouth, Nova Scotia | ..... | ..... | 2.5 | 9.9 | 17.5 | 21.5 | 17.7 | 9.1 | 5.7 | **83.9** |
| Charlottetown, Prince Edward Island | ..... | ..... | 11.7 | 10.5 | 15.1 | 11.1 | 7.9 | 2.8 | 0.2 | **59.3** |
| Chatham, New Brunswick | ..... | ..... | 10.2 | 26.4 | 21.3 | 22.1 | 19.8 | 13.6 | 3.6 | **117.0** |
| Father Point, Quebec | ..... | 7.6 | 8.6 | 60.4 | 10.5 | 30.0 | 3.2 | 14.7 | 0.7 | **135.7** |
| Quebec, Quebec | ..... | 1.0 | 8.8 | 15.5 | 47.0 | 24.1 | 29.5 | 0.9 | 5.2 | **132.0** |
| Montreal, Quebec | ..... | 0.2 | 3.4 | 19.4 | 40.2 | 21.1 | 19.0 | 2.0 | T. | **105.3** |
| Stonecliffe, Ontario | ..... | 2.2 | 1.4 | 8.8 | 20.9 | 14.5 | 13.0 | 4.6 | ..... | **65.4** |
| Ottawa, Ontario | ..... | T. | 4.4 | 22.8 | 38.8 | 17.6 | 23.6 | 9.7 | T. | **116.9** |
| Kingston, Ontario | ..... | ..... | 3.1 | 23.9 | 13.9 | 15.4 | 15.8 | 1.6 | T. | **73.7** |
| Toronto, Ontario | ..... | ..... | 6.4 | 12.6 | 17.9 | 6.0 | 10.2 | 2.3 | T. | **55.4** |
| White River, Ontario | 0.5 | 12.0 | 9.7 | 15.1 | 9.7 | 13.4 | 19.8 | 2.6 | 6.6 | **89.4** |
| Port Stanley, Ontario | ..... | ..... | 1.7 | 13.1 | 16.8 | 11.8 | (*) | 2.7 | ..... | ..... |
| Southampton, Ontario | ..... | ..... | 22.3 | 33.9 | 28.9 | 30.4 | 10.2 | 10.0 | 0.5 | **136.2** |
| Parry Sound, Ontario | ..... | 0.4 | 8.0 | 36.8 | 46.0 | 22.7 | 23.1 | 3.9 | 1.2 | **142.1** |
| Port Arthur, Ontario | ..... | 3.3 | 1.0 | 7.6 | 3.3 | 7.8 | 9.0 | 0.7 | ..... | **32.7** |
| Winnipeg, Manitoba | T. | 9.7 | 1.1 | 17.0 | 11.0 | 8.8 | 3.3 | 0.8 | ..... | **51.7** |
| Minnedosa, Manitoba | 0.5 | 15.4 | 1.0 | 3.0 | 22.2 | 15.7 | 2.0 | 8.6 | ..... | **68.4** |
| Qu'Appelle, Saskatchewan | T. | 25.5 | 1.5 | 9.2 | 21.5 | 7.7 | 5.8 | 15.1 | T. | **86.3** |
| Medicine Hat, Alberta | ..... | 5.4 | 5.5 | 12.5 | 5.2 | 4.7 | 1.4 | 5.0 | ..... | **39.7** |
| Swift Current, Saskatchewan | ..... | 8.7 | 6.2 | 11.0 | 11.3 | 10.8 | 13.5 | 9.0 | ..... | **70.5** |
| Calgary, Alberta | T. | 11.4 | 2.8 | 5.0 | 3.4 | 5.0 | 1.6 | 7.8 | 0.4 | **37.4** |
| Banff, Alberta | 2.3 | 6.9 | 9.2 | 2.4 | 7.2 | 3.4 | 11.3 | 7.8 | 9.9 | **60.4** |
| Edmonton, Alberta | T. | 0.9 | 7.0 | 17.4 | 18.7 | 10.9 | 1.2 | 10.3 | (*) | ..... |
| Prince Albert, Saskatchewan | 1.0 | 4.2 | 6.5 | 2.6 | 11.6 | 1.0 | 9.0 | 10.4 | 3.0 | **49.3** |
| Battleford, Saskatchewan | ..... | 2.7 | T. | 2.2 | 10.8 | 2.0 | 3.0 | 11.0 | 0.2 | **31.9** |
| Kamloops, British Columbia | ..... | T. | 1.8 | 10.6 | 8.0 | 4.0 | 1.0 | 1.2 | ..... | **26.6** |
| Victoria, British Columbia | ..... | ..... | ..... | 1.4 | 18.6 | 11.0 | 0.3 | ..... | ..... | **31.3** |
| Barkersville, British Columbia | 4.5 | 2.2 | 49.7 | 25.0 | (*) | 25.0 | 32.5 | 12.0 | ..... | ..... |
| Hamilton, Bermuda | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | **0.0** |

[1] Yellowstone Park stations.